PC-1

Revamping of THQ Hospital, Phalia District Mandi Baha-ud-Din

ORIGINAL APPROVED COST	**PKR Million. 377.080/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Phalia District Mandi Baha-ud-Din

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. MANDI BAHAUDDIN

2.2. TEHSIL(S)

I. PHALIA

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	**GS No:**5290
3	**Total Allocation:**0.000
4	**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.

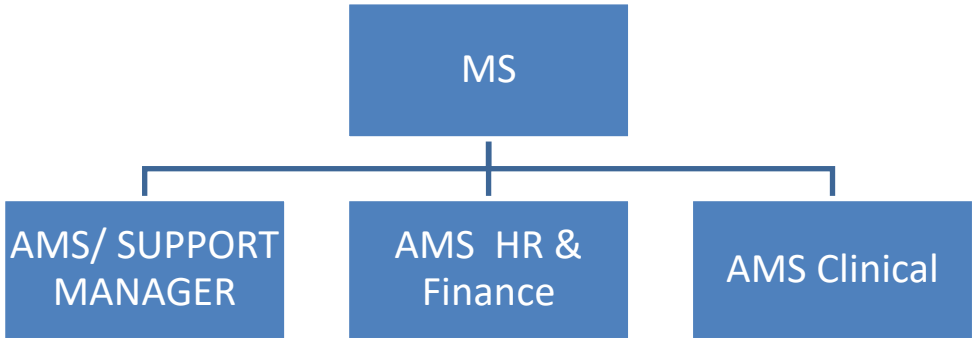
5.4.5 Security

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

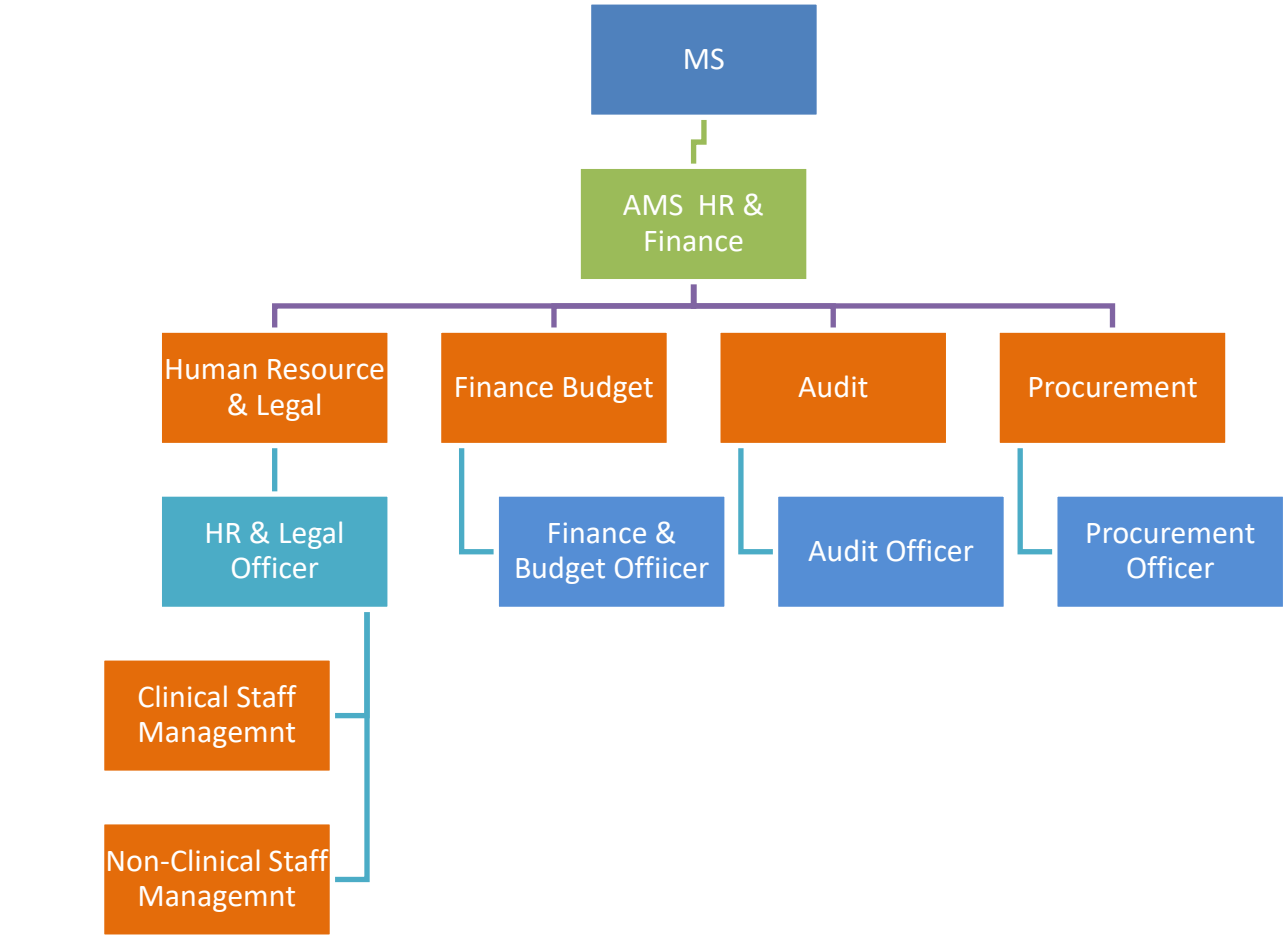
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

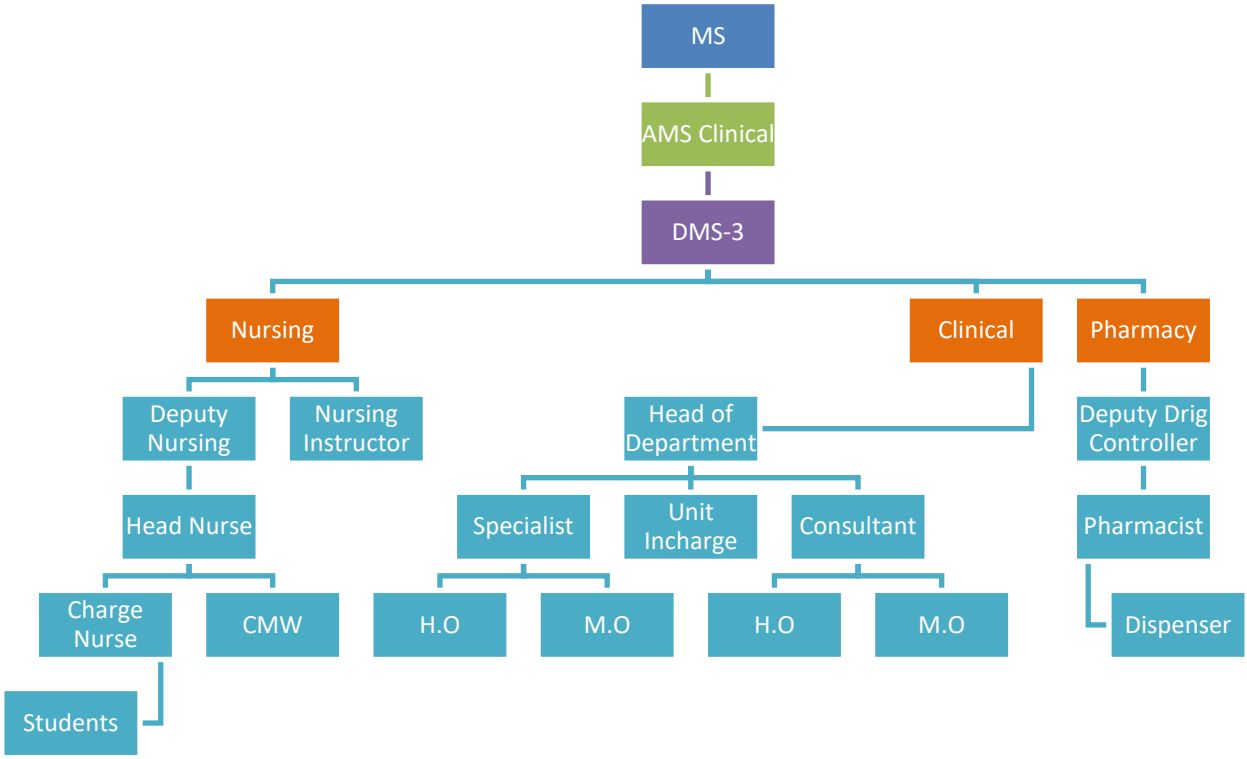
New Organogram of Hospital



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

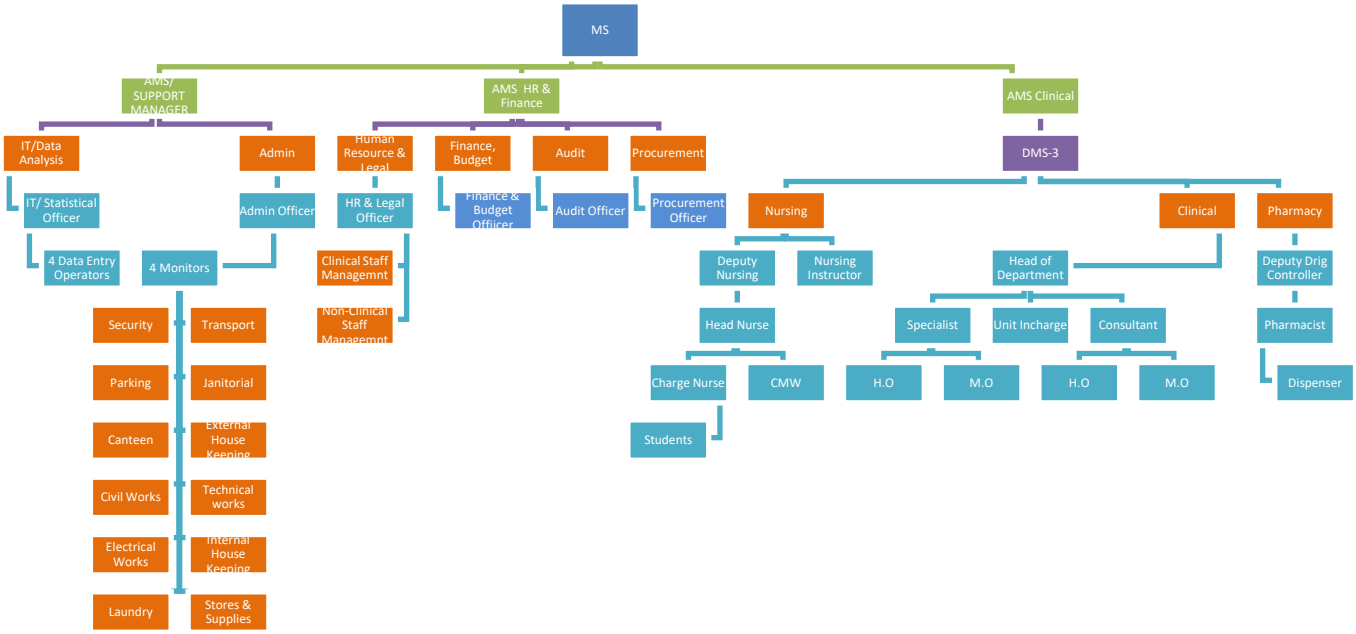
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

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 Phalia District Mandi Baha-ud-Din is more than 0.580 million. The area of the THQ Hospital Phalia District Mandi Baha-ud-Din is 308,837 SFT land.

6.1 Description and Justification

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

Revamping of THQ Phalia District Mandi Baha-ud-Din 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. 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.

2. 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.

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:LO17011167
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	187.394	0.000	50.000	0.000	50.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**187.394**	**0.000**	**50.000**	**0.000**	**50.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO21010608
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	89.686	0.000	0.000	0.000	0.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**89.686**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	Revamping of THQ PHALIA														
	Original			1st Revised			2nd Revised			Amended 2nd Revised			3rd Revised		
Scope of work	Cost in million														
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component															
Internal development	0.000	21.125	21.125	0.000	21.125	21.125	23.012	10.000	33.012	43.487	10.000	53.487	43.487	10.000	53.487
External development	0.000	4.316	4.316	0.000	4.316	4.316	34.485	0.000	34.485	42.754	0.000	42.754	42.754	0.000	42.754
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	3.413	0.000	3.413	3.445	0.000	3.445	3.445	0.000	3.445
Total Capital Component	**0.000**	**31.041**	**31.041**	**0.000**	**31.041**	**31.041**	**60.909**	**10.000**	**70.909**	**89.686**	**10.000**	**99.686**	**89.686**	**10.000**	**99.686**
Revenue component															
Emergency	0.000	22.128	22.128	0.000	22.128	22.128	0.000	30.064	30.064	0.000	30.064	30.064	0.000	46.082	46.082
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	12.938	12.938
Med. Machinery and Equipment	0.000	67.376	67.376	0.000	67.376	67.376	0.000	89.334	89.334	0.000	89.334	89.334	0.000	95.947	95.947
Electricity	0.000	11.319	11.319	0.000	11.319	11.319	0.000	15.919	15.919	0.000	15.919	15.919	0.000	23.334	23.334
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	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	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.035	3.035	0.000	3.035	3.035	0.000	4.271	4.271	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	35.040	35.040	0.000	35.040	35.040	0.000	50.414	50.414
LC Deficit during procurement (currency fluctuation)								3.900	3.900		3.900	3.900		3.900	3.900
Total Revenue component	**0.000**	**159.344**	**159.344**	**0.000**	**159.344**	**159.344**	**0.000**	**220.001**	**220.001**	**0.000**	**220.001**	**220.001**	**0.000**	**277.394**	**277.394**
Outsourcing component															
Janitorial Services	0.000	12.889	12.889	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.602	5.602	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000	0.000	0.000
MEP	0.000	4.686	4.686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.000	0.000	0.000
Horticulture services	0.000	3.680	3.680	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 outsourcing cost	**0.000**	**40.174**	**40.174**	**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**	**230.558**	**230.558**	**0.000**	**190.385**	**190.385**	**60.909**	**230.001**	**290.910**	**89.686**	**230.001**	**319.687**	**89.686**	**287.394**	**377.080**
Contingency (1%) only on Civil Component	0.000	0.311	0.311	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	0.000	2.306	2.306	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Validation (TPV) (1%)	0.000	2.306	2.306	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**235.480**	**235.480**	**0.000**	**190.385**	**190.385**	**60.909**	**230.001**	**290.910**	**89.686**	**230.001**	**319.687**	**89.686**	**287.394**	**377.080**

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=7+S=0+E=7)	Unit Price	Total Cost(Rs)	Required Quantity (T=7+S=0+E=7)	Unit Price	Total Cost(Rs)	Required Quantity (T=7+S=0+E=7)	Unit Price	Total Cost(Rs)	Required Quantity (T=7+S=0+E=7)	Unit Price	Total Cost(Rs)
1	Reception Area	Table	0	0	99,750	-	0	99,750	-	0	99,750	-	0	99,750	-
2		Chairs	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	7	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	7	15,750	110,250	7	15,750	110,250	7	30,000	210,000	7	30,000	210,000
7		Gurney WITH FOOT STEP)*(N)	3	7	420,000	2,940,000	7	420,000	2,940,000	7	460,000	3,220,000	7	800,000	5,600,000
8		Mercury B.P apparatus*(N)	2	5	33,600	168,000	5	33,600	168,000	5	36,000	180,000	5	36,000	180,000
9		Laryngoscope paeds &adult each*(N)	2	5	10,500	52,500	5	10,500	52,500	5	12,000	60,000	5	20,000	100,000
10		Diagnostic set*(N)	1	3	45,150	135,450	3	45,150	135,450	3	50,000	150,000	3	85,000	255,000
11		ECG Machine (with trolley) *(N)	1	3	169,785	509,355	3	169,785	509,355	3	180,000	540,000	3	300,000	900,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	5	125,265	626,325	5	125,265	626,325	5	215,000	1,075,000	5	250,000	1,250,000
14		SUCKER MACHINE*(N)	1	3	259,350	778,050	3	259,350	778,050	3	275,000	825,000	3	275,000	825,000
15		Resuscitation Trolley (fully equipped))*(N)	1	3	244,733	734,199	3	244,733	734,199	3	400,000	1,200,000	3	500,000	1,500,000
16		INSTRUMENT CABINET*N	1	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900
17		MEDICINE TROLLY*N	1	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,200,000	2,200,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	6,000,000	6,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	275,000	275,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	500,000	500,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	385,000	385,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	550,000	550,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4	0	420,000	-	0	420,000	-	0	460,000	-	0	650,000	-
29		Sucker machine *(N)	2	0	259,350	-	0	259,350	-	0	275,000	-	0	275,000	-
30		Nebulizer HD*(N)	2	0	125,265	-	0	125,265	-	0	215,000	-	0	300,000	-
31		Center Oxygen supply*N	1	0	420,000	-	0	420,000	-	0	-	-	0	-	-
32		Resuscitation Trolley (fully equipped))*(N)	1	0	237,618	-	0	237,618	-	0	400,000	-	0	500,000	-
33		Defibrillator*N	1	0	302,605	-	0	302,605	-	0	650,000	-	0	800,000	-
34		Pulse- oximeter*(N)	4	0	104,000	-	0	104,000	-	0	160,000	-	0	225,000	-
35		Bedside-monitor*(N)	4	0	301,665	-	0	301,665	-	0	550,000	-	0	1,200,000	-
36		ECG MACHINE)*(N)	1	0	169,785	-	0	169,785	-	0	169,785	-	0	300,000	-
37		BP APPARATUS*N	1	0	15,750	-	0	15,750	-	0	16,000	-	0	16,000	-
38		FOOT STEP)*(N)	1	0	3,150	-	0	3,150	-	0	4,000	-	0	5,500	-
39		ATTANDANT BENCH)*(N)	1	0	5,250	-	0	5,250	-	0	8,000	-	0	10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps*(N)	7	7	210,000	1,470,000	7	210,000	1,470,000	7	400,000	2,800,000	7	600,000	4,200,000
41	7	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	160,000	960,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	900,000	2,700,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	275,000	550,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paeds with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,000,000	2,000,000
		Total				**22,127,778**			**22,127,778**			**30,064,435**			**46,082,400**
						22.128			22.128			30.064			46.082

MSDS

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEM DESCRIPTION	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	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	250,000	250,000
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	450,000	900,000
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**	**Unit Price**	**Total Cost(Rs)**	**Quantity Required**	**Unit Price**	**Total Cost(Rs)**	**Quantity Required**	**Unit Price**	**Total Cost(Rs)**	**Quantity Required**	**Unit Price**	**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**			**12,937,942**
				8.647			8.647			9.654			12.938

Medical Equipment

						Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick			Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1		Semi Auto Clinical Chemistry Analyzer	1	427,900	1.05	0	1	449,295	449,295	0	1	449,295	449,295	0	1	550,000	550,000	0	1	219,300	219,300
2		Hematology Analyzer	1	407,000	1.05	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000
3		Electrolyte Analyzer	1	407,000	1.05	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	2,614,150	1.05	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	126,500	1.05	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
6	Laboratory	Water Bath	1	15,000	1.05	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7		Hot air Oven	1	200,000	1.05	0	1	210,000	210,000	0	1	210,000	210,000	0	1	385,000	385,000	0	1	198,315	198,315
8		Distilled water plant	1	50,000	1.05	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	75,000	75,000
9		Auto pipettes	10	30,000	1.05	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,500	405,000	0	10	45,000	450,000
10		glass wares	0	100,000	1.05	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	142,225	1.05	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	250,000	500,000
12		Static X-ray Machine	1	4,000,000	1.05	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	6,000,000	6,000,000	0	1	6,000,000	6,000,000
13		Mobile X-Ray Machine	0	3,667,166	1.05	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	4,300,000	-
14		Computerized Radiography System	0	3,826,900	1.05	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15		Dental X-Ray	0	269,500	1.05	0	0	282,975	-	0	0	282,975	-	0	0	350,000	-	0	0	525,000	-
16	X-Rays	Lead apron and PPE	2	50,000	1.05	0	2	52,500	105,000	0	2	52,500	105,000	0	2	60,000	120,000	0	2	85,000	170,000
17		Density meter personal (Add)	0	200,000	1.05	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	100,000	1.05	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	500,000	1.05	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	968,642	1.05	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,500,000	-	0	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	3,522,200	1.05	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	4,500,000	4,500,000
22		ICU MONITOR	2	287,300	1.05	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	300,000	1.05	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		Defibrillator	1	284,908	1.05	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25	CCU	ECG Machine Three Channel	2	161,700	1.05	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570
26		ETT Machine	0	1,925,560	1.05	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	4,458,848	1.05	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	247,000	1.05	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	275,000	550,000
29		Blood Cabinet	1	1,229,085	1.05	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	700,000	700,000
30	Blood Bank	Centrifuge Machine	2	142,225	1.05	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	250,000	500,000
31		Slide viewer	1	40,000	1.05	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	126,500	1.05	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	1,000,000	1.05	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	2,200,000	11,000,000
34		Baby Cot	10	13,970	1.05	0	10	14,669	146,685	0	10	14,669	146,685	0	10	16,000	160,000	0	10	12,699	126,990
35		Phototherapy Unit	2	124,000	1.05	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	655,000	1,310,000
36		Infant Warmer	2	414,893	1.05	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	985,000	1,970,000
37	Nursery	Pulse Oximeter	6	90,000	1.05	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	160,000	960,000
38		Infant Incubator	2	875,173	1.05	0	2	858,932	1,717,864	0	2	858,932	1,717,864	0	2	900,000	1,800,000	0	2	900,000	1,800,000
39		Suction Pump	1	247,000	1.05	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	275,000	275,000
40		Hospital Grade Nebulizer Heavy Duty	2	119,300	1.05	0	2	125,265	250,530	0	2	125,265	250,530	0	2	215,000	430,000	0	2	300,000	600,000
41		Anesthesia Machine with Ventilator	1	2,390,051	1.05	0	1	2,509,554	2,509,554	0	1	2,509,554	2,509,554	0	1	3,000,000	3,000,000	0	1	3,000,000	3,000,000
42		BED SIDE PATIENT MONITOR	2	420,000	1.05	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	550,000	1,100,000
43		Defibrillator	2	294,012	1.05	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	578,600	1.05	0	1	507,530	507,530	0	1	507,530	507,530	0	1	700,000	700,000	0	1	700,000	700,000
45		Operation Table	1	1,358,300	1.05	0	1	1,426,215	1,426,215	0	1	1,426,215	1,426,215	0	1	2,000,000	2,000,000	0	1	2,000,000	2,000,000
46	O.T (04)	Ceiling Operating Light	1	393,346	1.05	0	1	413,013	413,013	0	1	413,013	413,013	0	1	800,000	800,000	0	1	800,000	800,000
47		STEAM STERILIZER	1	3,300,000	1.05	0	1	3,465,000	3,465,000	0	1	3,465,000	3,465,000	0	1	4,000,000	4,000,000	0	1	4,000,000	4,000,000
48		Suction Pump	2	247,000	1.05	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	275,000	550,000
49		Resuscitation trolley With Crash Cart	2	233,079	1.05	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	400,000	800,000
50		mayo table	4	20,000	1.05	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	13,488	53,952
51		MOBILE OPERATING LIGHT	1	356,400	1.05	0	1	304,220	304,220	0	1	304,220	304,220	0	1	400,000	400,000	0	1	500,000	500,000
52		Operation Table	0	1,358,300	1.05	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	1,436,895	1.05	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-
54	Orthopedic	Plaster Cutting Pneumatic	1	425,000	1.05	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	450,000	450,000
55		Pneumatic Tourniquets	0	250,000	1.05	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
56		Orthopedic Instruments	0	412,022	1.05	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-

Medical Equipment

						Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick			Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
57	Gynea (20 beds)	Portable/Mobile Ultrasound	1	1,351,389	1.05	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	1,500,000	1,500,000
58		Autoclave	1	473,000	1.05	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	550,000	550,000
59		Delivery Set	10	30,000	1.05	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,000	400,000	0	10	16,277	162,770
60		Delivery Table	2	45,000	1.05	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	37,332	74,664
61		BED SIDE PATIENT MONITOR	2	280,000	1.05	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	550,000	1,100,000
62		D & C Set	2	33,000	1.05	0	2	34,650	69,300	0	2	34,650	69,300	0	2	40,000	80,000	0	2	16,135	32,270
63		Vaccume Extractor	1	247,000	1.05	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	300,000	300,000
64		CTG Machine	1	664,809	1.05	0	1	628,049	628,049	0	1	628,049	628,049	0	1	725,000	725,000	0	1	725,000	725,000
65		ECG Machine Three Channel	1	161,700	1.05	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	180,000	180,000
66		Portable O.T Light	2	125,000	1.05	0	2	304,220	608,440	0	2	304,220	608,440	0	2	400,000	800,000	0	2	400,000	800,000
67		Baby Cot	2	13,970	1.05	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000
68		Delivery trolly	2	45,000	1.05	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500
69		Desktop Fetal Heart Rate Detector	1	137,500	1.05	0	1	144,375	144,375	0	1	144,375	144,375	0	1	175,000	175,000	0	1	175,000	175,000
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	2,624,618	1.05	0	0	3,355,849	-	0	0	3,355,849	-	0	0	4,000,000	-	0	0	4,000,000	-
71		Operation Table	0	1,358,300	1.05	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,000,000	-
72		MOBILE OPERATING LIGHT	0	271,872	1.05	0	0	285,466	-	0	0	285,466	-	0	0	400,000	-	0	0	400,000	-
73		Suction Pump	0	247,000	1.05	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	275,000	-
74		Laryngoscope	0	9,280	1.05	0	0	9,744	-	0	0	9,744	-	0	0	12,000	-	0	0	20,000	-
75		Set of Surgical Instruments	0	135,000	1.05	0	0	141,750	-	0	0	141,750	-	0	0	160,000	-	0	0	220,000	-
76	Others	Stretcher	10	65,000	1.05	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	33,185	331,850
77		wheel chair	10	30,000	1.05	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	28,503	285,030
78		foot support	6	4,000	1.05	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	226,303	1.05	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	400,000	2,000,000
80		BP Appratus	15	15,000	1.05	0	15	15,750	236,250	0	15	15,750	236,250	0	15	16,000	240,000	0	15	16,000	240,000
81		Ventilator	0	2,090,552	1.05	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	1,046,200	1.05	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,100,000	2,100,000
83		X-RAY PROCESSOR	1	912,800	1.05	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	925,000	925,000
84		Hand wash Scrub Double Bay	2	90,000	1.05	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	82,560	165,120
85		Image Inensifier	0	4,445,200	1.05	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	9,000,000	-
86		Central Medical Gass Pipe Line System	7	1,099,000	1.05	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	200,000	1.05	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	400,000	1,600,000
88		Sphygmomanometer wall mtd	4	15,000	1.05	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	233,079	1.05	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	400,000	800,000
90		Defibrilator	1	284,908	1.05	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	315,000	1.05	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	161,700	1.05	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	180,000	-
93		Syringe pump	1	103,600	1.05	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	125,000	125,000
94		Suction Pump	0	247,000	1.05	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	275,000	-
95		ICU Monitor	0	284,000	1.05	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	13,000	1.05	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	10,900	10,900
97		Ward instruments	0		1.05	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	2,299,519	1.05	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	3,500,000	7,000,000
99		CPAP with humidifier	0	1,046,200	1.05	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,100,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	22,700	1.05	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
101		Ambu-Bag, adult	4	16,500	1.05	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
102		Ambu-Bag, paeds	4	16,500	1.05	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	5,400,520	1.05	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,000,000	3,000,000
104	Dental Unit	Dental Unit	2	1,800,000	1.05	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
105		Autoclave	1	420,000	1.05	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	550,000	550,000
106		Dental X-RAY Machine	1	269,500	1.05	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	350,000	350,000
107		Digital Intra Oral Camera	0	90,000	1.05	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108		DENTAL CAUTERY	0	80,000	1.05	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	1	115,000	1.05	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000
110		Curing lights	1	50,000	1.05	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	190,096	1.05	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000
112		Dental cabinet	0	40,000	1.05	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	150,000	1.05	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114	Beds	Fowler beds with Mattress	60			0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	150,000	9,000,000
		Total							**67,376,362**				**67,376,362**				**89,334,320**				**95,947,369**
									67.376				**67.376**				**89.334**				**95.947**

Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-
4	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
5	2 Ton air conditioners (split)	20	55,500	1,110,000	20	55,500	1,110,000	20	55,500	1,110,000	20	139,150	2,783,000
6	2 Ton air conditioners (Cabinet)	9	78,000	702,000	9	78,000	702,000	9	78,000	702,000	9	187,200	1,684,800
7	4 Ton air conditioners (Cabinet)	6	120,000	720,000	6	120,000	720,000	6	120,000	720,000	6	353,899	2,123,394
8	Ceiling Fans 56"	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700	30	6,975	209,250
10	Bracket Fans 18"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	6,600	475,200
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	9,000,000	9,000,000	1	10,000,000	10,000,000
	Total			**11,318,860**			**11,318,860**			**15,918,860**			**23,333,644**
				11.319			**11.319**			**15.919**			**23.334**

IT & QMS & Surveillance

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

Furniture and Fixtures

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

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	9,914	59,484	6	9,914	59,484	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,070	54,420	6	9,070	54,420	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	110,223	110,223	1	110,223	110,223	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,162	141,620	10	14,162	141,620	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,040	22,040	1	22,040	22,040	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,549	29,549	1	29,549	29,549	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,490	36,490	1	36,490	36,490	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,314	44,314	1	44,314	44,314	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,741	51,741	1	51,741	51,741	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,783	23,349	3	7,783	23,349	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	46,253	277,518	6	46,253	277,518	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	40,355	80,710	2	40,355	80,710	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,037	445,185	5	89,037	445,185	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,790	338,950	5	67,790	338,950	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	50,206	200,824	4	50,206	200,824	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	50,788	203,152	4	50,788	203,152	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,842	89,894	7	12,842	89,894	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,691	73,820	20	3,691	73,820	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	849	84,900	100	849	84,900	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,394	139,400	100	1,394	139,400	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,538	176,900	50	3,538	176,900	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,800	18,000	10	1,800	18,000	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,245	12,450	10	1,245	12,450	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,385	47,700	20	2,385	47,700	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,662	103,310	5	20,662	103,310	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,129	53,225	25	2,129	53,225	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	640	3,200	5	640	3,200	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,120	11,200	10	1,120	11,200	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	870	13,050	15	870	13,050	15	1,225	18,375	15	1,225	18,375
		Total			**2,946,618**			**2,946,618**			**4,146,482**			**4,146,482**
		Designing and Site Supervision			88,399			88,399			124,394			124,394
		Grand Total			**3,035,017**			**3,035,017**			**4,270,877**			**4,270,877**
					3.035			3.035			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
1	Cylinder Block	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
2	Geometrical Cabinet (36 pcs)	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
3	Geometrical Solids (10 pcs)	1	2,200	2,200	1	2,200	2,200	1	2,200	2,200	1	2,200	2,200
4	Base for Geometrical Solids (14 pcs)	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
5	Constructive Triangles (4 box)	1	400	400	1	400	400	1	400	400	1	400	400
6	Metal Insets (10 - shape)	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
7	Stand for metal insets	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
8	Paper Board for metal insets (10 Boards)	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
9	Sandpaper Alphabets (English)	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
10	Sandpaper Alphabets (Urdu)	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500
11	Sandpaper Number	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
12	Hammer Case	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
13	Soft Reading Book	15	200	3,000	15	200	3,000	15	200	3,000	15	200	3,000
14	Shape Sorting Case	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
15	Transport Set (Model)	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
16	Model Puzzles (S)	7	300	2,100	7	300	2,100	7	300	2,100	7	300	2,100
17	Model Puzzles (B)	7	500	3,500	7	500	3,500	7	500	3,500	7	500	3,500
18	Storybook	20	100	2,000	20	100	2,000	20	100	2,000	20	100	2,000
19	Information Book (Large)	20	350	7,000	20	350	7,000	20	350	7,000	20	350	7,000
20	Basket (L)	10	1,000	10,000	10	1,000	10,000	10	1,000	10,000	10	1,000	10,000
21	Basket (S)	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
22	Color table Box	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
23	ABC Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
24	Number Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
25	Color Pensils (Large)	5	450	2,250	5	450	2,250	5	450	2,250	5	450	2,250
26	Color Crayons (Large)	5	300	1,500	5	300	1,500	5	300	1,500	5	300	1,500
27	Marker Color (Board and Permanent)	15	395	5,925	15	395	5,925	15	395	5,925	15	395	5,925
28	Fruits Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
29	Vegetables Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
30	Animal Sets	2	600	1,200	2	600	1,200	2	600	1,200	2	600	1,200
31	Insects sets	2	400	800	2	400	800	2	400	800	2	400	800
32	Shape Sorting House	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000
33	Flash card (Small)	10	120	1,200	10	120	1,200	10	120	1,200	10	120	1,200
34	Flash card (Big)	10	325	3,250	10	325	3,250	10	325	3,250	10	325	3,250
35	Sand Play	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000
36	Gym Play	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000
37	Straight Mats	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000
38	Folding Mats	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000
39	Diaper Changing Mats	3	300	1,500	3	300	1,500	3	300	1,500	3	300	1,500
40	Cube Cushion	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
41	Square Cushion	2	500	600	2	500	600	2	500	600	2	500	600
42	Baby Mirror	3	300	2,400	3	300	2,400	3	300	2,400	3	300	2,400
43	Pink Tower With Stand	1	800	500	1	800	500	1	800	500	1	800	500
44	Dressing Frames	10	500	8,000	10	500	8,000	10	500	8,000	10	500	8,000
45	Monkey Stuffed	2	800	2,400	2	800	2,400	2	800	2,400	2	800	2,400
46	Lion Stuffed	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400
47	Cater Pillar Stuffed	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000
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
	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								**6.900**				**9.94**					
	Total of HR Component												**35.04**					**50.414**

Janitorial Services

	Original			From 1st Revised to Onward
Assumptions				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residential area	26,604	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	4	Persons		
Road and ROW area	56,907	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	4	Persons		
Number of washroom blocks	12	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	4	Persons		
Total sweeper in morning shift	12	Persons		
Total number of sweepers in evening shift	6	Persons		
Total number of sweepers in night shift	6	Persons		
Total number of sweepers in all shifts	23	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	24	22,000	6,360,922	
Sewer men	3	22,000	792,000	
Supervisors	3	26,000	936,000	
Cost of Supply per Month		400,000	4,800,000	
Sub Total (Salary component)			**12,888,922**	

12.889

Security and Parking

	Original	From 1st Revised to Onward
Assumptions		In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residences	26,604	
Covered Area per guard	15,000	
Number of guards	**2**	
Open area excluding parking area	56,907	
Area covered per guard per shift for open area excluding parking	15,000	
Number of guards for total area excluding parking area	**4**	
Number of gates	2	
Number of guards at gates	**4**	
Total No of Guard	**10**	
Total number of all guards for second shift	**5**	
Lady Searcher	**4**	
Number of parking areas	1	
Number of guards for parking lot per shift (Morning+ Evening)	**2**	
Total no. of Supervisors	**2**	

Type of worker	No of workers	Salary per month	Salary per Month for all Person	Salary for One year
Supervisors	2	24,675	49,350	592,200
Ex-Army	5	21,525	107,625	1,291,500
Civilian	9	21,000	189,000	2,268,000
Lady Searcher	4	21,525	86,100	1,033,200
Parking	2	21,525	43,050	516,600
Sub total				**5,701,500**
Equipment cost				
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000
Sub total				**400,000**
Subtracting Parking Fees				500,000
Total Security and Parking Services				**5,601,500**
				5.602

Laundry Services

	Original			From 1st Revised to Onward
Number of beds	60			In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Type of Item	**No of Beds**	**Per bed cost per year**	**Total Cost**	
No of Bed	60	30,000	1,800,000	
Transport Charges			1,200,000	
Total for laundry items			**3,000,000**	
Total			**3.000**	

Maintenance of Generator

	Original			From 1st Revised to Onward
Item Name	**Quantity**	**Cost per year**	**Total Cost**	
Periodical Maintenance Cost				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
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	

MEP

	Original				From 1st Revised to Onward
Type of worker / Component	**No of workers**	**Salary per month**	**Salary per Month for all persons**	**Salary for One Year**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			**217,000**	**2,604,000**	
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**	
A/C	200	6,665	1,333,000	1,333,000	
Fridge	10	4,000	40,000	40,000	
UPS	15	8,000	120,000	120,000	
Water Cooler	20	4,000	80,000	80,000	
Exhaust	10	3,000	30,000	30,000	
Geyser	20	4,000	80,000	80,000	
Water Pump	8	3,000	24,000	24,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				**2,082,000**	
General Total				**4,686,000**	
				4.686	

Medical Gases

		Original				From 1st Revised to Onward
Scope of Work		**Monthly Consumption per THQ Hospital**	**Annual Consumption per THQ Hospital**	**Rate per Cylinder**	**Total Annual Cost per THQs**	
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000	
Nitrous Oxide	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000	
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000	
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000	
Total					**1,304,400**	
					1.304	

Cafeteria

Pre-Fabrication Cateen (Procurement)

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

6.743

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to Onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	10,459	20	209,178	
1.2	**STONE / PEBBLES**					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375	34,375	
1.3	**GRASSING**					
a	**GRASSING (EXISTING NON MAINTANE LAWNS)**					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings , Specifications and as approved by the Engineer.	Sft	14,344	7	100,405	
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	17,930	11.25	201,707	
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	73	1,500	109,500	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc.	No's	17	270	4,590	
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, Callisternon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	6,520	69	449,880	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	1,025	195	199,875	
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	6,963	12	83,556	
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	8	3,675	29,400	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	11	1,800	19,800	
1.8	**CREEPERS**					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	35	195	6,825	
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	1434	150	215,100	
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	14,698	102,886	
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	4	27,700	110,800	
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	6	3,850	23,100	
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	1	45,000	45,000	
3	**SOFT LANDSCAPE MAINTENANCE** (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	35,859	7.50	268,943	
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	140	550	77,000	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	18	550	9,900	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	33	550	18,150	
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**3,088,908**	
	PRA(16%)				494,225	
	Design Consultancy				96,750	
	Grand Total				**3,679,883**	
					3.680	

From

The Chief Engineer,
Punjab Buildings Department (NZ),
(BRS) Near New Campus UOP,
Lahore.

To

The Director Infrastructure
Project Management Unit (PMU)
Primary & Secondary Healthcare Department
31/E-1, Shahra-e-Imam Hussain Gulberg-III,
Lahore.

No.CEBNZ / 2452 /D, Dated 28 / 12 /2021

SUBJECT: AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF T.H.Q HOSPITAL IN PUNJAB ONE AT T.H.Q HOSPITAL PHALIA DISTRICT MANDI BAHAUDDIN". A.D.P SCHEME NO.792 FOR THE YEAR (2021-22).

REFERENCE: Superintending Engineer Building Circle No.1 Gujranwala office letter No.7810/DB, dated 27.12.2021 (received on 28.12.2021)

As approved by the competent authority, the amended rough cost estimate received through above referred communication is sent hereby dully vetted for **Rs. 89.686 (M)** for favour of consideration and arranging amended administrative approval under proper head of account.

DA/
Copy of
vetted estimate

Deputy Director-I
For Chief Engineer
Punjab Buildings Deptt. (N.Z),
Lahore

C.C
A Copy is forwarded for information & necessary action to the:-

1. Secretary, to Govt. of the Punjab, Primary & Secondary Healthcare Department, Lahore.
2. Commissioner Gujranwala, Division Gujranwala.
3. Superintending Engineer, Building Circle No.1 Gujranwala, with reference to his office letter referred as above.
4. Chief Executive Officer District (Health) Authority Mandi Bahauddin.
5. Executive Engineer, Building Division Mandi Bahauddin.
6. Chief Draftsman (Local)

(2)

EXECUTIVE ENGINEER BUILDINGS DIVISION MANDI BAHAUDDIN

PROVINCE: -	**PUNJAB**
DIVISION: -	**MANDI BAHAUDDIN**
SUB DIVISION: -	**SUB DIVISION PHALIA**
NAME OF WORK: -	**AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF ALL T.H.C HOSPITALS IN PUNJAB ONE AT TEHSIL PHALIA, DISTRICT MANDI BAHAUDDIN".** **(ADP NO. 792 FOR THE YEAR 2021-22)**
ESTIMATED COST: -	**Rs. 89.686 Million**

ESTIMATED FRAMED BYEXECUTIVE ENGINEER BUILDINGS DIVISION MANDI BAHAUDDIN.

AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF ALL T.H.Q HOSPITALS IN PUNJAB ONE AT TEHSIL PHALIA, DISTRICT MANDI BAHAUDDIN".
(ADP NO. 792 FOR THE YEAR 2021-22)

HISTORY:-

The scheme "Programme for Revamping of all THQ Hospitals in Punjab" is reflected at serial No. 792 of ADP 2021-22 with a block allocation of Rs.15000 (M). The Project Manager (civil), Project Management Unit (PMU) Primary & Secondary Health Department vide letter No.14 Dated.08-01-2020 has desired to prepare rough cost estimate of the scheme "REVAMPING OF TEHSIL HEAD QUARTER (T.H.Q) HOSPITAL PHALIA, DISTRICT MANDI BAHAUDDIN".

So keeping in view the scope enlisted with the letter and according to the requirement of the Medical Officer THQ hospital Phalia, the rough cost estimate amounting to **Rs.60.910 Million** had been prepared and forwarded to the client department duly wetted by the Chief Engineer, Punjab Buildings Department North Zone Lahore, according to **MRS 1st BI Annual 2021 for formulation of ADP 2021-22.** After receiving MRS 2nd Bi annual 2021 and on desire of client department a changed/Amended Rough cost Estimate Amounting to **Rs. 72.636 Million** was forwarded to the client Department vide Letter No._____ Dated:_____ for the purpose of **Administrative approval and funds allotment.**

Consequent upon the decision of the Departmental Development Sub Committee (DDSC), held on 30.07.2020, the Governor of the Punjab accorded an administrative approval of 15 sub Schemes under block scheme titled "Programme for Revamping of all T.H.Q Hospitals in Punjab" vide Secretary P&SH Department letter No. PO(D-II)1-237/2021 Dated 30-09-2021 the subjected scheme is one these schemes with an amount of Rs.60.910 Million on the Basis of MRS 1st BI annual 2021.

The Detailed Cost Estimate for the work amounting to Rs._____ had been framed based accordingly on 1st Bi-Annual-2021 (1st Janauary-2021 to 30th June -2021) and Technical Sanction was issued by the Chief Engineer, Punjab Buildings Department North Zone Lahore vide Letter No._____ Dated:_____. The tender of scheme have been called a couple of times, however no contractor has participated in the tendering process due to old MRS rates (i.e 1st BI-Annual 2021) and high inflation rate countrywide.

Hence, The Amended Rough cost estimate amounting to Rs.89.686 Million has been framed on the basis of to the MRS 1st BI annual 2022 (Period 1st Jan 2022 to 30st June 2022),

(4)

for Arrangement of Amended Administrative Approval and allotment of funds from the competent authority/forum.

RATES: - Estimate has been prepared on the basis of Market Rates for Based on MRS, 1st BI-ANNUAL-2022 (01.01.2022 to 30.06.2022) DISTRICT MANDI BAHAUDIN

COST: - **Rs. 89.686 (Million).**

LAND: - Available.

TIME LIMIT: - **18** Months (Subject to availability of full funds).

CARRYING OUT OF WORK: - The work will be got executed through an approved Govt. Contractors of Building Department after observing all the codal formalities.

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(5)

No. PMU/(P&SHD)/2020/
PROJECT MANAGEMEN
P&S HEALTHCARE DEPA
(31-E/1, Shahrah-e-Hazrat Ima
Gulberg-III, Lahore, Ph: 042-9
Dated the Lahore December

14
08/01/2021

FR	
To	
EC	
RD	
AC	
SHO Model	
SE	

Executive Engineer,
Buildings Division,
Mandi Bahauddin.

REMINDER

SUBJECT: ROUGH COST ESTIMATE FOR TEHSIL HEADQUARTER HOSPITALS OF DISTRICT MANDI BAHAUDDIN

In continuation of letter no. **PMU/(P&SHD)/2020/730 dated 25-11-20** it is stated that the Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping prog P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Pu These hospitals have been divided in to two Phases of Revamping Program i.e. Pha (25 DHQ and 15 THQ Hospitals Annexure - A) and Phase – II. The P&SHD has ca out the civil works under revamping program in Phase – I hospitals through Infrastruc Development Authority Punjab (IDAP). The scope of work of the revamping civil w was i) Internal Development ii) External Development and iii) External Electrification of now around 60% of work on these schemes has been completed by IDAP. reasonable revamping civil works has been carried out in Phase – II Hospitals up till n

2. Now, the Department intends to carry out further revamping progra Phase – II through Communication and Works Department Punjab. The THQ Hosp of District Mandi Bahauddin are listed below.

Sr. No.	FACILITY NAME	District
1	THQ Hospital Phalia	Mandi Bahaudd
2	THQ Hospital Malakwal	

3. Hence, in this regard, cost estimates for revamping civil works of th hospitals are desired so that the work on these schemes can be executed promptly. Department has prepared the CAD Maps of most of these hospitals, which can be sha on email as well. The detailed design document containing detailed scope requireme

also attached at Annexure – B (The estimates of only clinical blocks of hospital may be provided).

4. It is pertinent to mention that P&SHD intends to revamp the infrastructure of these Phase – II hospitals similar to Phase – I hospitals to achieve uniformity. Hence, in order to have a better idea of specifications and materials, the visits of revamped DHQ and THQ Hospitals are recommended (list already attached at Annexure-A)

5. In view of all above, it is requested to prepare the cost estimates for Hospitals (clinical building only) for District Mandi Bahauddin of Punjab and furnish office to develop the schemes/ PC-Is. This may be assigned as top priority.

Project Manager (Civil)
Project Management Unit
Primary & Secondary
Healthcare Department

CC:

1. Secretary, Primary and Secondary Healthcare Department Punjab
2. Additional Secretary (D & F), P&SH Department
3. Project Director, PMU, P&SH Department
4. Deputy Project Director, PMU, P&SH Department
5. Chief Engineer Building (North Zone), Buildings Department Lahore
6. Director Infrastructure, PMU, P&SH Department
7. Director Operation, PMU, P&SH Department
8. Chief Executive Officer, District Health Authority, Mandi Bahauddin
9. File (I & C, Wing)

(7)

No. PMU/P&SHD/22
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat I
Gulberg-III, Lahore, Ph: 042
Dated the Lahore Novemb

To

Chief Engineer Buildings (North Zone)
Government of the Punjab,
Buildings Department,
Lahore.

868/2

SUBJECT: COST ESTIMATES FOR REVAMPING OF TEHSIL HEADQU HOSPITALS

Primary and Secondary Healthcare Department (P&SHD) has tran its secondary healthcare establishments through revamping program. P&SHD is 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospit been divided in to two Phases of Revamping Program i.e. Phase – I (25 DHQ THQ Hospitals Annexure - A) and Phase – II (Remaining Hospitals Annexure - B). I has carried out the civil works under revamping program in Phase – I hospitals t Infrastructure Development Authority Punjab (IDAP). The scope of work of the reva civil works was i) Internal Development ii) External Development and iii) E Electrification. As of now around 60% of work on these schemes has been comple IDAP. No reasonable revamping civil works has been carried out in Phase – II Hos up till now.

2. Now, the Department intends to carry out further revamping progr Phase – II through Communication and Works Department Punjab. Hence, in this re cost estimates for revamping civil works of these hospitals are desired so that the on these schemes can be executed promptly. The department has prepared the Maps of most of these hospitals, which can be shared on email as well. The de design document containing detailed scope requirement is also attached at Anne C (The estimates of only clinical blocks of hospital may be provided).

3. It is pertinent to mention that P&SHD intends to revamp the infrastructure of these Phase – II hospitals similar to Phase – I hospitals to achiev uniformity. Hence, in order to have a better idea of specifications and materials, the visits of revamped DHQ and THQ Hospitals are recommended (list already attach Annexure-A)

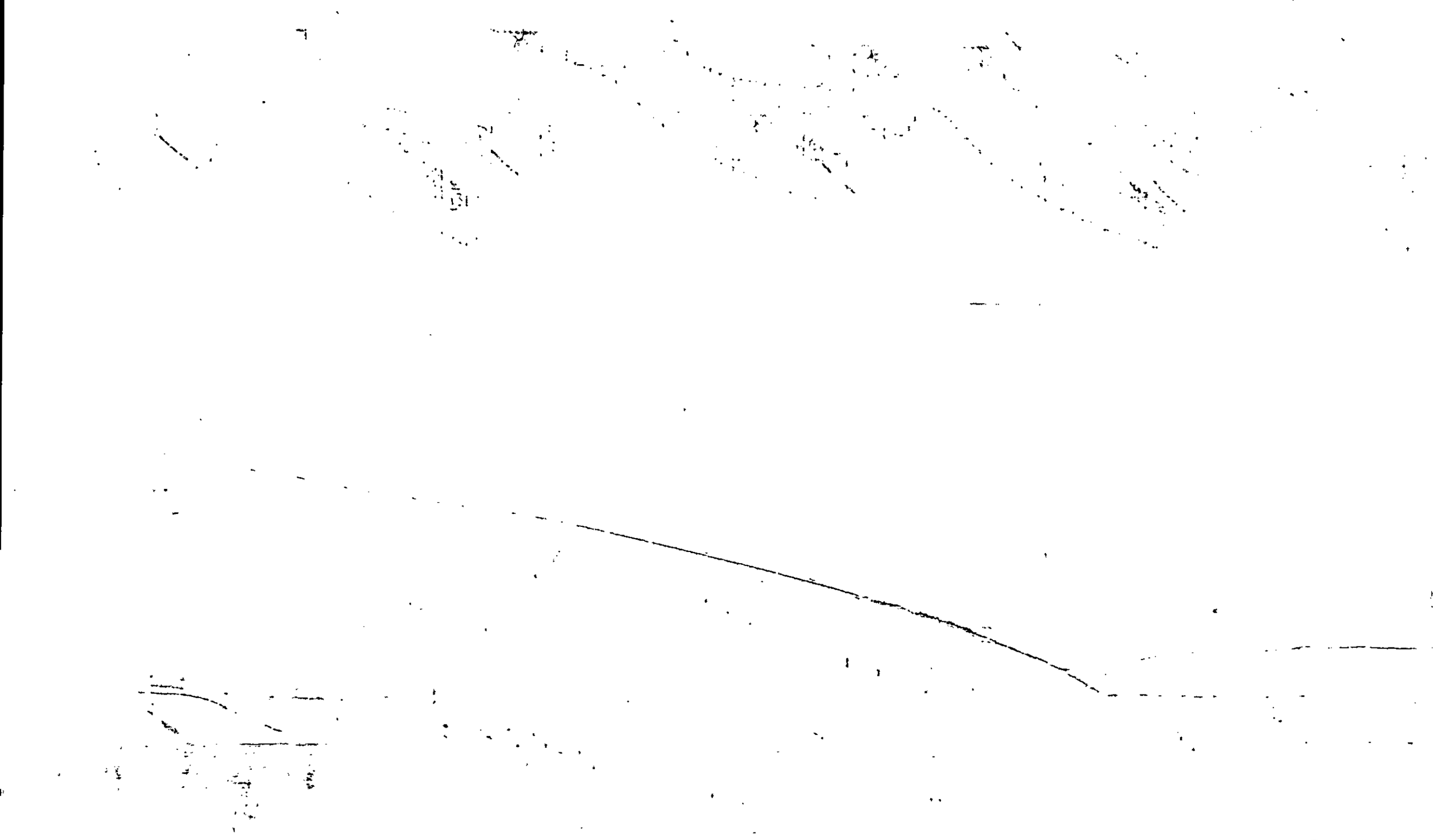
(8)

4. In view of all above, it is requested to prepare the cost estimates for TH... Hospitals (clinical building only) for North Zone (list attached at Annexure-B) of Punj... and furnish this office to develop the schemes/ PC-Is. This may be assigned as t... priority.

FARHAN
(Farhan Waheed)
Director Infrastructure
PMU, P&SHD

A copy is forwarded for information to the:

1. Secretary, Primary and Secondary Healthcare Department Punjab
2. Additional Secretary (D & F), P&SH Department Punjab
3. Chief Executive Officers, District Health Authority i) Attock ii) Bhakkar iii) Chakw... iv) Gujrat v) Hafizabad vi) Jhelum vii) Khushab viii) Mandibahauddin ix) Mianw... x) Narowal xi) Rawalpindi xii) Sargodha xiii) Gujranwala and xiv) Sialkot with t... request to coordinate with the concerned field formations of Punjab Buildi... Department in their respective Districts so that the process can be expedited



Annexure

Sr. No.	Name of Hospital	District
1	DHQ Hospital Hafizabad	Hafizabad
2	DHQ Hospital M.B. Din	M.B. Din
3	DHQ Hospital Narowal	Narowal
4	THQ Hospital Kamoke	Gujranwala
5	Civil Hospital Daska	Sialkot
6	DHQ Hospital Chakwal	Chakwal
7	DHQ Hospital Jehlum	Jehlum
8	DHQ Hospital Attock	Attock
9	THQ Hospital Hazro	Attock
10	DHQ Hospital Mianwali	Mianwali
11	THQ Hospital Isa Khel	Mianwali
12	DHQ Hospital Bhakhar	Bhakhar
13	DHQ Hospital Khushab	Khushab
14	THQ Hospital Noor Pur Thal	Khushab
15	DHQ Hospital T.T. Singh	T.T. Singh
16	Govt.Eye-Cum-General Hospital Gojra	T.T. Singh
17	DHQ Hospital Jhnag	Jhang
18	DHQ Hospital Chiniot	Chiniot
19	DHQ Hospital Sheikupura	Sheikupura
20	DHQ Hospital Nankana	Nankana
21	DHQ Hospital Kasur	Kasur
22	DHQ Hospital Okara	Okara
23	DHQ Hospital Okara South City	Okara South City
24	DHQ Hospital Pakpattan	Pakpattan
25	THQ Hospital Arifwala	Pakpattan
26	THQ Hospital Chichawatni	Sahiwal
27	DHQ Hospital Bahwalnagar	Bahwalnagar
28	THQ Hospital Chishtian.	Bahawalnagar
29	THQ Hospital Ahmadpur East.	Bahawalpur
30	DHQ Hospital Layyah	Layyah
31	DHQ Hospital Rajanpur	Rajanpur
32	DHQ Hospital Muzaffrgarh	Muzaffrgarh
33	THQ Hospital Taunsa	DG Khan
34	THQ Hospital Kot Adu	Muzaffargarh
35	DHQ Hospital Vehari	Vehari
36	DHQ Hospital Khanewal	Khanewal
37	DHQ Hospital Lodhran	Lodhran
38	THQ Hospital Burewala	Vehari
39	THQ Hospital Mian Channu	Khanewal
40	THQ Hospital Shujabad	Multan

Document for Scope of THQs Revamping

A. External Development

Road Networking (Asphait)

Rehabilitation and Repair of Existing Road Network

Construction of new asphalt road where required

External Plat forms/Pathways

Addition, Alteration and Rehabilitation of plat forms / external pathways other asphalt road (e.g. P.C.C, Tough Paver etc.) in order to have easiest access to al facilities of complex should be designed

Boundary Wall

Existing boundary wall of complex should be examined and addition of missing (Clinical Side), and strengthening solutions of existing wall dismantling/reconstruction (if required) should be assessed

Sewerage System

The functionality of the existing sewerage system of clinical blocks of hospitals ne to be examined and provisions for its optimal functions keeping in view the pres and future hospital requirements are required. Provisions for replacement blocked/undersized existing sewerage line along with rehabilitation of manholes n also be incorporated therein.

Water Supply System

Repair of existing external water supply line of clinical blocks of hospital

Provision for new water supply lines where required.

Water Filtration plant with supply system

Provision for new water filtration plant vis-à-vis the hospital requirements may incorporated. All important points including OPD, wards, waiting areas, emerge and other blocks must be provided with drinking water stations, for which distribution system needs to be planned and made a part of the estimates.

Repair / Rehabilitation of existing water filtration plant along with provision of drink wa er distribution system as mentioned above.

External Electrification

Provisions of main power supply cable (4 – Core), main power panels / distribu boxes (from transformer to main meter and main meter to distribution boxes) sh

be incorporated keeping in view the current distributive and future electric load of t
complex

Provisions of external pole lights should be made within the clinical blocks of hospita

Provision of complete earthing and lighting protection system for clinical bloc
including all electrical equipment.

External Waiting Area and Parking Facility

External waiting area should be provided according to the space requirement.

Parking facility should be provided according to the space requirement.

B. Internal Development

Tile work

Suitable tile work for flooring and skirting/dado (5') by keeping in view the existing ar
adjacent tile work condition should be proposed in complete hospital. (Provisions of
x 2' full body porcelain tile for flooring and 2' x 1' for dado are suggested to matc
with the tile work of already revamped 40 DHQ/THQ Hospitals).

The tile work where found in good condition should only be incorporated for mino
repair rather than complete replacement.

Ramps and Stairs

Coarse Grained / Rough Textured / Anti-skid flooring should be proposed on t
ramp/stretcher way along with guard and handrails for stable movement of stretch
on ramp and patient/attendants on stairs should be proposed.

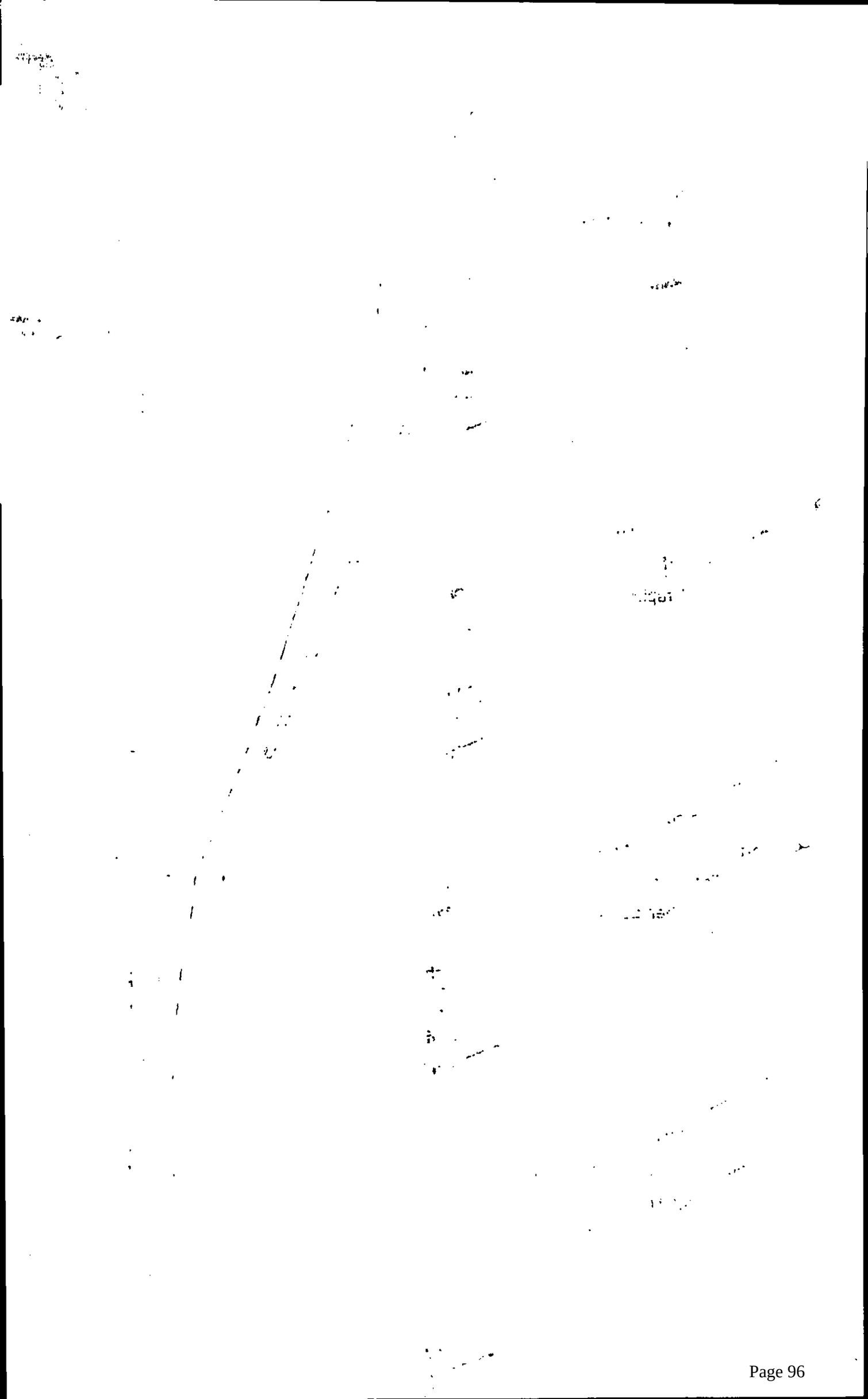
Paint and dampness works

Paint work type on interior and exterior side of clinical blocks of hospital should
assessed by keeping in view the existing paint condition of hospital

Assessments regarding elimination of dampness origin or source and regardi
concealment of existing dampness should be made and appropriate solutions sho
be incorporated

Flooring, Ceiling and Wall requirements of high cleanliness requiring areas
Operation Theaters (OTs), Gynecology OT, Labor room and ICU cum CCU should
incorporated with Anti-Bacterial Material (Provision of Antistatic, Antimicrobial V
Flooring and Wall panels with monolithic false ceiling of gypsum or non-por
aluminum are suggested)

Provision of lead lining in X-Ray Rooms should be made.



Façade Improvement

In order to match with Façade already revamped by IDAP, Suitable options may selected from the elevations shown below depending upon existing façade for façade uplifting in hospital.

Provision for addition/alteration of portico should be made or uplifted according elevation shown below depending upon the existing façade

Internal Fixtures

Total number of doors leading to the existing and proposed entrance of main build of hospital, junction doors connecting wards, doors leading towards the major hea facilities of hospital etc. are required to be incorporated and to be replaced w aluminum doors

- All doors of hospital building should be examined and proposals regarding re-painti and re-polishing and replacing (if cannot be repaired) should be given.

All windows of hospital building should be examined and proposals regardi repairing and replacing (if cannot be repaired) should be given (replacement wi aluminum windows are suggested).

The repair of corridor wire mesh and grills of windows should be incorporated whe required and replacement should be given where repair not possible.

Provision of reception counters should be made at main entrance lobby of separa blocks of hospital building and repair/rehabilitation should be done where alread existed.

The nursing counters should be provided covering all the wards

- **Internal Electrification**

Internal lighting system of hospital should be incorporated including the type, positio power and other details of illuminating devices meeting with the standards of lig requirement of hospitals

Existing internal wiring system of hospital should be considered by keeping in vie the distributive load of hospital and possible replacements, up gradations or additio in wiring system should be made for all electrical equipment/ appliances.

Provisions of power supply cable (4 – Core), distribution power panels (from ma distribution panel to sub distribution panel) should be incorporated keeping in view th current distributive and future electric load of the Hospital building.

Replacement of electric fuses, under sized power panels, switches for appliances a equipment should be incorporated or any other electrical rectification should be don

Provision of Automatic Transfer Switches (ATS) for all existing generators, if not available, should be made.

The walls and floor conditions along with electrical generators pads need to renovated based on existing conditions.

Emergency equipment and exit plan

Provision of fire alarms and smoke detectors should be made and testing should be made as per standard.

External emergency exit of hospital should be proposed where required

Miscellaneous Repair Work of Building

The toilet blocks of hospital should be examined and repair work of toilet blocks including replacement of flush seats, tanks, basins etc. should be incorporated.

Need of Roof treatment for prevention of dampness from rainwater should provided / repaired based on the preset condition of roof

Steel L-section quantity should be assessed for edge protection on turns and doors

Structural Repair of building should be suggested, and rehabilitated accordingly

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER (T.H.Q) HOSPITAL PHALIA, DISTRICT MANDI BAHAUDDIN".

NO	DESCRIPTION	Plinth Area	Unit	MRS 1st BI-ANNUAL-2021						AMOUNT	Remarks
				B.P	Extra for Strip Foundation	Extra for each 1-ft deep found		E.I	P.H	Total Rate (5-10)		
1	2	3	4	5	6	7		8	9	11	12	13
1	*EXTERNAL DEVELOPMENT*											Estimate has been framed on the basis of plinth area rates notified by the Chief Engineer Buildings (N.Z.) Lahore, 2nd B-I Annual 2018 (Period 1st July 2018 to 31st Dec 2018)
i	External Roads (New construction and Widening/Reconstruction)	1	P.Job	~~6310000~~	-	Detail attached			-	~~6310000~~	6269000 ~~6,310,000~~	
2	Re-construction of Boundary wall 9" thick and 8' high. 2551=188÷827÷498÷199÷32÷201÷129÷180÷119÷244-2*(20÷4÷3*3)	2551	P.Rft	4781	-	-	-	-	-	4781	12,196,331	
ii	Construction of Gate and Gate Pillars	1	P.Job	313000	-	Detail attached				313000	313,000	
iii	Construction of Ornamental Gate and Gate Pillars	1	P.Job	~~831000~~	-	Detail attached				~~831000~~	793000 ~~831,000~~	
iii	P/F of razor wire having double sharp 4 no's pointer razor @ 1-1/4" c/c making in circular shape 24" dia ring @ 3" c/c fixed with 2 nose m.s bar 1/2"x1/2" square welding horizontally and 1 nos post of M.S angle iron 1-1/2"x1-1/2"x3/16" vertically 27" clear height and 9" embedded in pcc 1:2:4 (4-1/2"x4-1/2"x1') fixing at site i/c labor and carriage charges i/c painting 3 coats complete in all respect as approved by the engineer in charge.	2551	P.Rft	309 ~~380~~	-	-	-	-	-	309 ~~384~~	765300 ~~969,780~~	
3	Water Supply											
i	Construction of room for water filtration plant size (14'x14') and 4' wide verandah (20.25x15.5)	314	P.Sft	2060				100		2160	678,240	
ii	Installation of Water filtration plant i/c all accessories	1	P.Job	~~2494000~~	-	Detail attached			-	~~2494000~~	2497000 ~~2,497,000~~	

S. NO	DESCRIPTION	Plinth Area	Unit	MRS Ist BI-ANNUAL-2021								Remarks
				B.P	Extra for Strip Foundation	Extra for each 1-ft deep found		E.I	P.H	Total Rate (5-10)	AMOUNT	
(iii)	Construction of OHRW 60' height	10000	P.GI	~~215~~ ~~236~~	-	-	-	-	-	~~215~~ ~~236~~	~~2,357,000~~	2150000
(vi)	Boring of Tubewell i/c Turbine 1/4 cusic and Construction of Turbine Chamber	1	P.Job	~~3648000~~	-	Detail attached			-	~~3648000~~	~~3,648,000~~	3630000
	External Electrification (P/F Street lights etc.)	1	P.Job	~~2117000~~	-	Detail Attached			-	~~2117000~~	~~2,117,000~~	1788000
	Establishment of Parking Area i/c Fiber glass shed	1	P.Job	4409000	-	Detail Attached			-	4409000	4,409,000	✓
B	***INTERNAL DEVELOPMENT***											
	Renovation of Clinical Building (i.e Tile work, Paint, door, windows and internal fixture etc.)	1	P.Job	~~6124000~~	-	Detail Attached			-	~~6124000~~	~~6,124,000~~	6004000
	Renovation of OT Block	1	P.Job	~~1713000~~	-	Detail Attached			-	~~1713000~~	~~1,713,000~~	1682000
	Improvement to the Reception Counters	1	P.Job	~~541000~~	-	Detail Attached			-	~~541000~~	~~541,000~~	511000
	Construction of Ramps	1	P.Job	~~258000~~	-	Detail Attached			-	~~258000~~	~~258,000~~	369000
	Façade Improvement	1	P.Job	~~3590000~~	-	Detail Attached			-	~~3590000~~	~~3,590,000~~	3479000
6	Internal Electrification Emergency/OPD Block = 10243 Sft Diagnostic Block =5848 Sft Indore Block = 8272 Sft Laundry =1217 Sft Total =25580 Sft	25580	P.Sft	-	-	-	-	100	-	100	2,558,000	✓
	Construction of Generator pad and shifting of Generator	1	P.Job	~~203000~~	-	Detail Attached			-	~~203000~~	~~203,000~~	188000
8	Emergency Equipment and Exit Plan		-	-	-	-	-	-	-	0	0	

NO	DESCRIPTION	Plinth Area	Unit	MRS 1st BI-ANNUAL-2021						AMOUNT	Remarks
				B.P	Extra for Strip Foundation	Extra for each 1-ft deep found	E.I	P.H	Total Rate (5-10)		
(i)	Provision of Fire Alarm and Smoke Detectors	25580	P.Sft	30	-	-	-	-	30	767,400	
(ii)	Construction of 4 No's Emergency Exists	1	P.Job	96000	-	Detail Attached	-		96000	96,000	
9	Miscellaneous Repair Work										
(i)	Miscellaneous Repair Work (i.e roof treatment etc.)	1	P.Job	4755000	-	Detail Attached	-		~~4755000~~	~~4,755,000~~	4637000
(ii)	Public Health portion	1	P.Job	74000	-	Detail Attached	-		74000	74,000	
10	Construction of Public Washroomos (set of 4 toilets)	2	Set	673000	-	Detail Attached	-		671000 ~~673000~~	~~1,346,000~~	1342000
11	Cost of Dismantling	1	P.Job	582000		Detail Attached	-		582000	582,000	
									Total	~~58,240,731~~	5771871
									D/d Credit of Old material	~~714,000~~	932000
									Total	~~57,526,731~~	5678671
									Add 3% Contingencies on all except item No ~~A.2,4.3(i) and B.6~~	~~1,262,825~~	122590
									Add 5% PST	~~2,876,337~~	290043
									Total	~~61,665.893~~	6090934
									Say Rs.	~~61,666(M)~~	

4075300

5800886/-

60-909 (M)

Technical Officer
Public Buildings Department
Circle Zone) Lahore.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

Superintending Engineer
Buildings Circle No.1
Gujranwala

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF ALL T.H.Q HOSPITALS IN PUNJAB ONE AT TEHSIL PHALIA, DISTRICT MANDI BAHAUDDIN".

(ADP NO. 792 FOR THE YEAR 2021-22)

S.NO	DESCRIPTION	Plinth Area	Unit	MRS 2nd BI-ANNUAL-2021					AMOUNT	Remarks
				B.P		E.I	P.H	Total Rate (5-10)		
1	2	3	4	5		8	9	11	12	13
A	*EXTERNAL DEVELOPMENT*									Estimate has been framed on the basis of plinth area rates notified by the Chief Engineer Buildings (N.Z.) Lahore, MRS, 2nd BI-ANNUAL-2021 (01.07.2021 to 31.12.2021). DISTRICT MANDI BAHAUDIN
1	External Roads (New construction and Widening/Reconstruction)	1	P.Job	6502000	ail attached		-	6502000	6,502,000	
	Construction of Shingle 9" Thick & high									
2	External Roads (New construction and Widening/Reconstruction)	2551	P.Rft	5500	-	-	-	5500	14,030,500	
(i)	Construction of Gate and Gate Pillars	1	P.Job	352000	ail attached			352000	352,000	
(ii)	Construction of Ornamental Gate and Gate Pillars	1	P.Job	959000	ail attached			959000	959,000	
(iii)	P/F of razor wire having double sharp 4 no's pointer razor @ 1-1/4" c/c making in circular shape 24" dia ring @ 3" c/c fixed with 2 nose m.s bar 1/2"x1/2" square welding horizontally and 1 nos post of M.S angle iron 1-1/2"x1-1/2"x3/16" vertically 27" clear height and 9" embedded in pcc 1:2:4 (4-1/2"x4-1/2"x1') fixing at site i/c labor and carriage charges i/c painting 3 coats complete in all respect as approved by the engineer in charge.	2551	P.Rft	400	-	-	-	400	1,020,400	
3	Water Supply									
(i)	Construction of room for water filtration plant size (14'x14') and 4' wide verandah (20.25x15.5)	314	P.Sft	2300		118		2418	759,252	
(ii)	Installation of Water filtration plant i/c all accessories	1	P.Job	2500000	ail attached		-	2500000	2,500,000	
(iii)	Construction of OHRW 10000 Gallons capasity 60' height	10000	P.Gl	269	-	-	-	269	2,690,000	
(vi)	Boring of Tubewell i/c Turbine 1/4 cusic and Construction of Turbine Chamber	1	P.Job	4182000	ail attached		-	4182000	4,182,000	

S. NO	DESCRIPTION	Plinth Area	Unit	MRS 2nd BI-ANNUAL-2021 B.P		E.I	P.H	Total Rate (5-10)	AMOUNT	Remarks
(i)	Miscellaneous Repair Work (i.e roof treatment etc.)	1	P.Job	5152000	ail Attached		-	5152000	5,152,000	
(ii)	Public Health portion	1	P.Job	107000	ail Attached		-	107000	107,000	
10	Construction of Public Washroomos (set of 4 toilets)	2	Set	794000	ail Attached		-	794000	1,588,000	
11	Cost of Dismantling	1	P.Job	588000	ail Attached		-	588000	588,000	
								Total	**68,463,692**	
								D/d Credit of Old material	766,000	
								Total	67,697,692	
								Add 3% Contingencies on all except item No.A.2,A.3(i) and B.6	1,479,045	
								Total	69,176,737	
								Add 5% PST	3,458,837	
								Total	72,635,574	
								Say Rs.	**72.636(M)**	

TECHNICALLY VETTED
For Rs. 72.636 (Million)
Chief Engineer, Punjab Buildings Deptt; North Zone, Lahore.
Design Engineer, Punjab Buildings Deptt; North Zone, Lahore.
Chief Draftsman, Punjab Buildings Deptt; North Zone, Lahore.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

Superintending Engineer
Buildings Circle No.1
Gujranwala

(81)

S. NO	DESCRIPTION	Plinth Area	Unit	MRS 2nd BI-ANNUAL-2021				Total Rate (5-10)	AMOUNT	Remarks
				B.P		E.I	P.H			
4	External Electrification (P/F Street lights etc.)	1	P.Job	2024000	ail Attached		-	2024000	2,024,000	
5	Establishment of Parking Area i/c Fiber glass shed	1	P.Job	5500000	ail Attached		-	5500000	5,500,000	
B	***INTERNAL DEVELOPMENT***									
1	Renovation of Clinical Building (i.e Tile work, Paint, door, windows and internal fixture etc.)	1	P.Job	6865000	ail Attached		-	6865000	6,865,000	
2	Renovation of OT Block	1	P.Job	3029000	ail Attached		-	3029000	3,029,000	
3	Improvement to the Reception Counters	1	P.Job	1608000	ail Attached		-	1608000	1,608,000	
4	Construction of Ramps	1	P.Job	390000	ail Attached		-	390000	390,000	
5	Façade Improvement	1	P.Job	4024000	ail Attached		-	4024000	4,024,000	
6	Internal Electrification Emergency/OPD Block = 10243 Sft Diagnostic Block =5848 Sft Indore Block = 8272 Sft Laundry =1217 Sft Total =25580 Sft	25580	P.Sft	-	-	118	-	118	3,018,440	
7	Construction of Generator pad and shifting of Generator	1	P.Job	325000	ail Attached		-	325000	325,000	
8	Emergency Equipment and Exit Plan									
(i)	Provision of Fire Alarm and Smoke Detectors	25580	P.Sft	45	-	-	-	45	1,151,100	
(ii)	Construction of 4 No's Emergency Exists	1	P.Job	99000	ail Attached		-	99000	99,000	
9	Miscellaneous Repair Work									

Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 30-07-2021

ORDER

No.PO(D-II)1-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), held on 30.07.2020, the Governor of the Punjab is pleased to accord a 2nd Revised Administrative Approval of 15 sub-schemes under block scheme titled **"Programme for Revamping of all THQ Hospitals in Punjab"** at a cost mentioned against each scheme, with gestation period upto 30-06-2023.

Sr. No.	Hospital	Capital Component	Revenue Component	Total Cost
1.	Revamping of THQ Hospital Jaranwala District Faisalabad	40.494	227.555	268.049
2.	Revamping of THQ Hospital Samundri District Faisalabad	39.531	199.048	238.579
3.	Revamping of THQ Hospital Tandilianwala District Faisalabad	38.500	165.394	203.894
4.	Revamping of THQ Hospital Wazirabad District Gujranwala	31.882	208.283	240.166
5.	Revamping of THQ Hospital Mankera District Bhakkar	29.664	200.293	229.957
6.	Revamping of THQ Hospital Kalurkot District Bhakkar	45.004	164.078	209.082
7.	Revamping of THQ Hospital Jand District Attock	50.854	204.420	255.274
8.	Revamping of THQ Hospital Piplan District Mianwali	39.296	197.057	236.353
9.	Revamping of THQ Hospital Raynala District Okara	37.334	210.727	248.062
10.	Revamping of THQ Hospital Haveli Lakha District Okara	41.435	195.974	237.409
11.	Revamping of THQ Hospital Malakwal District Mandi Baha-ud-Din	18.420	203.788	222.207
12.	Revamping of THQ Hospital Phalia District Mandi Baha-ud-Din	60.909	230.001	290.910
13.	Revamping of THQ Hospital Sangla Hill District Nankana	39.913	196.133	236.046
14.	Revamping of THQ Hospital Pattoki District Kasur	47.834	208.618	256.452
15.	Revamping of THQ Hospital Chunnian District Kasur	29.650	208.074	237.724

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

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

Revenue Component — Grant No. PC-22036 (036) Development -07Health - 073 –Hospital Services-0731-General Hospital Services -07310I 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. PSO to Secretary, P&SH Department.
10. PA to Additional Secretary (Dev & Fin), P&SH Department.
11. PA to Additional Secretary (Admin), P&SH Department.

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

Page 102 of 02

(22)

SCOPE OF WORK

S. NO	DESCRIPTION	Qty	Unit
A	***EXTERNAL DEVELOPMENT***		
1	External Roads (New construction and Widening/ Reconstruction) (Detail Attached)	1	P.Job
2	Re-Construction of Boundary wall 9" thick and 8' high.	2551	P.Rft
(i)	Construction of Gate and Gate Pillars (Detail Attached)	1	P.Job
(ii)	Construction of Ornamental Gate and Gate Pillars (Detail Attached)	1	P.Job
(iii)	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4 c/c fixed on 2'-3" high M/S angle iron post 1½"x 1½"x 3/16" embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. complete in all respects as pproved and directed by the Engineer incharge. 24 " diameter	2551	P.Rft
3	Water Supply		
(i)	Construction of room for water filtration plant size (14'x14') and 4' wide verandah (20.25x15.5)	314	P.Sft
(ii)	Installation of Water filtration plant i/c all accessories (Detail Attached)	1	P.Job
(iii)	Construction of OHRW 10000 Gallons capasity 60' height	10000	P.Gl
(vi)	Boring of Tubewell i/c Turbine 1/4 cusic and Construction of Turbine Chamber (Detail Attached)	1	P.Job
4	External Electrification (P/F Street lights etc.) (Detail Attached)	1	P.Job
5	Establishment of Parking Area i/c Fiber glass shed (Detail Attached)	1	P.Job
B	***INTERNAL DEVELOPMENT***		
1	Renovation of Clinical Building (i.e Tile work, Paint, door, windows and internal fixture etc.) (Detail Attached)	1	P.Job
2	Renovation of OT Block (Detail Attached)	1	P.Job
3	Improvement to the Reception Counters (Detail Attached)	1	P.Job
4	Construction of Ramps (Detail Attached)	1	P.Job
5	Façade Improvement (Detail Attached)	1	P.Job
6	Internal Electrification Total Area =25580 Sft	25580	P.Sft
7	Construction of Generator pad and shifting of Generator (Detail Attached)	1	P.Job
8	Emergency Equipment and Exit Plan (Detail Attached)		
(i)	Provision of Fire Alarm and Smoke Detectors	25580	P.Sft
(ii)	Construction of 4 No's Emergency Exists (Detail Attached)	1	P.Job
9	Miscellaneous Repair Work		
(i)	Miscellaneous Repair Work (i.e roof treatment etc.) (Detail Attached)	1	P.Job
(ii)	Public Health portion (Detail Attached)	1	P.Job
10	Construction of Public Washroomos (set of 4 toilets) (Detail Attached)	2	Set
11	Cost of Dismantling (Detail Attached)	1	P.Job
12	Credit of Old material	1	P.Job

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

AMANDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF ALL T.H.Q HOSPITALS IN PUNJAB ONE AT TEHSIL PHALIA, DISTRICT MANDI BAHAUDDIN".

(ADP NO. 792 FOR THE YEAR 2021-22)

NO	DESCRIPTION	As per MRS 1st BI-ANNUAL-2021						As per MRS 1st BI-ANNUAL-2022						Excess	Saving	Remarks
		Plinth Area	Uint	B.P	E.I	Total Rate	Amount	Plinth Area	Unit	B.P	E.I	Total Rate (5-10)	AMOUNT			
1	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	***EXTERNAL DEVELOPMENT***															
1	External Roads (New construction and Widening/ Reconstruction) (Detail Attached)	1	P.Job	6209000		6209000	6,209,000	1	P.Job	7272000		7272000	7,272,000	1063000		
2	Re-Construction of Boundary wall 9" thick and 8' high.	2551	P.Rft	4781		4781	12,196,331	2551	P.Rft	6254	-	6254	15,953,954	3757623		
(i)	Construction of Gate and Gate Pillars (Detail Attached)	1	P.Job	313000		313000	313,000	1	P.Job	463000		463000	463,000	150000		
(ii)	Construction of Ornamental Gate and Gate Pillars (Detail Attached)	1	P.Job	793000		793000	793,000	1	P.Job	1221000		1221000	1,221,000	428000		

ified by the Chief Engineer Buildings (N.Z.)
5.2022) DISTRICT MANDI BAHAUDIN

(23)

NO	DESCRIPTION	As per MRS 1st BI-ANNUAL-2021						As per MRS 1st BI-ANNUAL-2022						Excess	Saving	Remarks
		Plinth Area	Uint	B.P	E.I	Total Rate	Amount	Plinth Area	Unit	B.P	E.I	Total Rate (5-10)	AMOUNT			
(iii)	Providing and fixing anti climb high security galvanized **razor cut wire** having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4 c/c fixed on 2'-3" high M/S angle iron post 1½"x 1½"x 3/16" embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire,painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge. **24 " diameter**	2551	P.Rft	300		300	765,300	2551	P.Rft	322.55	-	323	822,825	57525		Estimate has been framed on the basis of plinth area rates not Lahore, MRS, 1st BI-ANNUAL-2022 (01.01.2022 to 30.0
3	Water Supply															
(i)	Construction of room for water filtration plant size (14'x14') and 4' wide verandah (20.25x15.5)	314	P.Sft	2060	100	2160	678,240	314	P.Sft	2810	160	2970	932,580	254340		
(ii)	Installation of Water filtration plant i/c all accessories (Detail Attached)	1	P.Job	2497000		2497000	2,497,000	1	P.Job	2512000		2512000	2,512,000	15000		
(iii)	Construction of OHRW 10000 Gallons capasity 60' height	10000	P.Gl	215		215	2,150,000	10000	P.Gl	320	-	320	3,200,000	1050000		

NO	DESCRIPTION	As per MRS 1st BI-ANNUAL-2021						As per MRS 1st BI-ANNUAL-2022						Excess	Saving	Remarks
		Plinth Area	Uint	B.P	E.I	Total Rate	Amount	Plinth Area	Unit	B.P	E.I	Total Rate (5-10)	AMOUNT			
(vi)	Boring of Tubewell i/c Turbine 1/4 cusic and Construction of Turbine Chamber (Detail Attached)	1	P.Job	3630000		3630000	3,630,000	1	P.Job	4785000		4785000	4,785,000	1155000		
4	External Electrification (P/F Street lights etc.) (Detail Attached)	1	P.Job	1788000		1788000	1,788,000	1	P.Job	4216000		4216000	4,216,000	2428000		
5	Establishment of Parking Area i/c Fiber glass shed (Detail Attached)	1	P.Job	4409000		4409000	4,409,000	1	P.Job	4820000		4820000	4,820,000	411000		
B	*INTERNAL DEVELOPMENT*					0	0									
1	Renovation of Clinical Building (i.e Tile work, Paint, door, windows and internal fixture etc.) (Detail Attached)	1	P.Job	6004000		6004000	6,004,000	1	P.Job	8487000		8487000	8,487,000	2483000		
2	Renovation of OT Block (Detail Attached)	1	P.Job	1682000		1682000	1,682,000	1	P.Job	9005000		9005000	9,005,000	7323000		
3	Improvement to the Reception Counters (Detail Attached)	1	P.Job	511000		511000	511,000	1	P.Job	2006000		2006000	2,006,000	1495000		
4	Construction of Ramps (Detail Attached)	1	P.Job	369000		369000	369,000	1	P.Job	349000		349000	349,000		20000	
5	Façade Improvement (Detail Attached)	1	P.Job	3479000		3479000	3,479,000	1	P.Job	5097000		5097000	5,097,000	1618000		

NO	DESCRIPTION	As per MRS 1st BI-ANNUAL 2021						As per MRS 1st BI-ANNUAL 2022						Excess	Saving	Remarks
		Plinth Area	Uint	B.P	E.I	Total Rate	Amount	Plinth Area	Unit	B.P	E.I	Total Rate (5-10)	AMOUNT			
6	Internal Electrification Emergency/OPD Block = 10243 Diagnostic Block =5848 Sft Indore Block = 8272 Laundry =1217 Sft Total =25580 Sft	25580	P.Sft	-	100	100	2,558,000	25580	P.Sft	-	160	160	4,092,800	1534800		
7	Construction of Generator pad and shifting of Generator (Detail Attached)	1	P.Job	188000		188000	188,000	1	P.Job	551000		551000	551,000	363000		
8	Emergency Equipment and Exit Plan (Detail Attached)															
(i)	Provision of Fire Alarm and Smoke Detectors	25580	P.Sft	30		30	767,400	25580	P.Sft	50	-	50	1,279,000	511600		
(ii)	Construction of 4 No's Emergency Exists (Detail Attached)	1	P.Job	96000		96000	96,000	1	P.Job	121000		121000	121,000	25000		
9	Miscellaneous Repair Work															
(i)	Miscellaneous Repair Work (i.e roof treatment etc.) (Detail Attached)	1	P.Job	4637000		4637000	4,637,000	1	P.Job	4874000		4874000	4,874,000	237000		
(ii)	Public Health portion (Detail Attached)	1	P.Job	74000		74000	74,000	1	P.Job	132000		132000	132,000	58000		
10	Construction of Public Washroomos (set of 4 toilets) (Detail Attached)	2	Set	671000		671000	1,342,000	2	Set	832000		832000	1,664,000	322000		

(26)

NO	DESCRIPTION	As per MRS 1st BI-ANNUAL-2021						As per MRS 1st BI-ANNUAL-2022						Excess	Saving	Remarks
		Plinth Area	Uint	B.P	E.I	Total Rate	Amount	Plinth Area	Unit	B.P	E.I	Total Rate (5-10)	AMOUNT			
11	Cost of Dismantling (Detail Attached)	1	P.Job	582000		582000	582,000	1	P.Job	633000		633000	633,000	51000		
						Total	**57,718,271**					**Total**	**84,489,159**	**26770888**		
						D/d Credit of Old material (Detail Attached)	932,000					D/d Credit of Old material (Detail Attached)	932,000			
						Total	**56,786,271**					**Total**	**83,557,159**	**26770888**		
						Add 3% Contingencies on all except item No.A.2,A.3(i) and B.6	1,223,151					Add 3% Contingencies on all except item No.A.2,A.3(i) and B.6	1,858,345	635194		
						Total	58,009,422					Total	85,415,504	27406082		
						Add 5% PST	2,900,471					Add 5% PST	4,270,775	1370304		
						Total	60,909,893					Total	89,686,279	28776386		
						Say Rs.	**60.910(M)**					**Say Rs.**	**89.686(M)**	**28.776(M)**		

60.909 (M)

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

27/12/2021

Superintending Engineer
Buildings Circle No.1
Gujranwala

TECHNICALLY VETTED
For Rs. 89.686 (M) (Million)

Chief Engineer	Design Officer	Chief Draftsman
Punjab Buildings Deptt; North Zone, Lahore.	Punjab Buildings Deptt; North Zone, Lahore.	Punjab Buildings Deptt; North Zone, Lahore.

(27)

(28)

Construction of External Roads

S#	Description	No	L	B	QTY	Unit	Amount Rs.
				MRS-1st Bi-annual 2021			
1	**Construction of New Roads**						
	Towards parking	1	419	18	7542	Sft	
		1	77	18	1386	"	
	Branch road toward Wards	1	161	12	1932	"	
	Back side road from front to Parking	1	131	10	1310	"	
		1	55	10	550	"	
		1	140	10	1400	"	
		1	108	10	1080	"	
				Total	15200	Sft	
				(@)Rs.	**354.40**	**Rs.**	**5386880**
2	**Widening and Reconstruction of Existing Roads**			Detail Attached			**1759000**
3	**Constrcution of PCC Roads**			Detail Attached			**126000**
						Total Rs:	**7271880**
						Say Rs.	**7272000**

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
M.B.Din

(29)

ANALYSIS OF ROAD

				Unit	100'x10'	1000	Sft	
1	Excavation in foundation for buildings bridges and other structure, i/c dag-belling dressing refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5ft in ordinary soil By manual							
		2	100	1.5	1	300	Cft	
					Total	**300**	"	
					(@)Rs.	**8727.85**	**%0Cft**	**Rs. 2618**
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:18)							
		2	100	1.5	0.333	100	Cft	
					Total	100	"	
					(@)Rs.	**13848.30**	**%Cft**	**Rs. 13834**
3	Pacca brick work 1:6 cement mortar in f&p							
		2	100	1.125	2.25	506	Cft	
					Total	506	"	
					(@)Rs.	**25403.05**	**%Cft**	**Rs. 128603**
4	Filling, watering ramming earth under floors with surplus earth .							
	Take qty item No:1	1	300	0.67		201	Cft	
					(@)Rs.	**4197.60**	**%0Cft**	**Rs. 844**
5	Earthowrk in ordinary soil for embankments lead upto 10 ft. (30 m), including ploughing and mixing with blade graor disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all where necessary. respects:- (lead upto 3 mile).							
	i) 95% to 100% maximum modified AASHO dry density							
		1	100	10	1	1000	Cft	
					Total	**1000**	"	
	D/D Surplus earth					201	"	
					Total	201	"	
					Net Total	**799**	"	
					(@)Rs.	**13353.85**	**%0Cft**	**Rs. 10670**
6	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including car r i age of al l mater i al to si te of wor k ex cept gr av el and. aggregate. Cr ushed stone aggr egate. i/c carriage from the quary Pit run or bed run gravel.							
		1	100	10	0.5	500	Cft	
					Total	500	"	
					(@)Rs.	**10044.70**	**%Cft**	**Rs. 50224**
8	P/L Concrete Pavers 60-mm thick having 7000 psi, crushing strength manufactured by tuff tile / concrete concept pvt, ltd texla or eq, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to required slope complete in all respect & as approved by the engineer incharge (50% grey / 50% coloured). 60mm							
		1	100	10		1000	Sft	
					Total	1000	"	

(30)

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

2	100	1.125	0.17	38	Cft		
			Total	38	"		
			(@)Rs.	**28971.35**	**%Cft**	**Rs.**	**11082**

10 cement pointing deep stuck joint 1:2 i/c red oxide pigment

2	100	1.5		300	Sft		
			Total	300	"		
			(@)Rs.	**3390.55**	**%Sft**	**Rs.**	**10172**
					Total	Rs.	**354396**

Hence rate P.Sft 354396/1000 = **354.3959**

Say Rs. **354.4**

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(31)

Widening/Reconstruction of Existing Roads in THQ Hospital Phalia

1	Dismantling and removing road pavement, etc. including screening and staking of by products upto one chain lead.									
	p	1	x	511	x	12	x	0.50	= 3066 Cft	
								Total =	**3066 Cft**	2199.25 **%Cft** 67429
2	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead b) in ordinary soil.									
	Toe Wall	2	x	511	x	1 1/4	x	1.00	= 1278 Cft	
								Total =	**1278 Cft**	8727.85 **%0Cft** 11150
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:18)									
	Toe Wall	2	x	511	x	1 1/4	x	0.25	= 319 Cft	
								Total =	**319 Cft**	13848.30 **%Cft** 44228
4	Pacca brick work in foundation and plinth:- i) cement, sand mortar:- 1:6									
	Toe Wall	2	x	511	x	1 1/8	x	0.25	287 Cft	
		2	x	511	x	3/4	x	1.75	= 1341 Cft	
								Total =	**1341 Cft**	25403.05 **%Cft** 340750
5	Relaying of dismantled material of road pavement i/c watering ramming compaction complete in all respect. (Labour only of item no.18.3ai)									
	Qty as per Item No.2	3066	x	90%					= **2759** Cft	3727.50 **%Cft** 102857
6	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including car r i age of al l mater i al to si te of wor k ex cept gr av el and. aggregate. Cr ushed stone aggr egate. i/c carriage from the quary Pit run or bed run gravel.									
		1	x	511	x	18	x	0.33	= 3063 Cft	
								Total =	**3063 Cft**	
	D/d Dismantelled material. (Qty as per item No.6)								**-2759** Cft	
								Total =	**304** Cft	**10044.70 %Cft** 30489
7	P/L Concrete Pavers 60-mm thick having 7000 psi, crushing strength manufactured by tuff tile / concrete concept pvt, ltd texla or eq, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to required slope complete in all respect & as approved by the engineer incharge (50% grey / 50% coloured).									
		1	x	511	x	18			= 9198 Cft	
								Total =	**9198** P.Sft	126.35 **P.Sft** 1162167
									Total	**1759070**
									Say Rs.	**1759000**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
M.B.Din

(32)

PCC Road Detail

Sr. No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	Length	Width	Hieght				
1	Dismantling of brick or fledge flooring (tuff tile)								
		1	125 3/4	5		629			
					Total	629	700.15	% Cft	4402
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio (1:6:18)								
		1	125 3/4	5	1/2	314			
					Total	314	13848.30	% Cft	43536
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4								
		1	125 3/4	5	1/2	314			
					Total	314	28971.35	% Cft	91079
								Total	**139016**
		Credit of old tuff tile			629	@	20.00	P.Sft	-12575
								Net Total	126441
								Say Rs.	**126000**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
M.B.Din

33

GATE & GATE PILLAR

S#	Description	No	Measurements			Qty		Rate Rs.	Amount Rs.
								MRS-2nd Bi-annual 2021	
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								
		3	3.500	3.500	3.000	110	Cft		
						110	%0Cft	8727.85	962
2	Cement concrete using brick / stone ballast 1-1/2"-2" gauge in F & P ratio (1:6:12)								
		3	3.500	3.500	0.500	18	Cft		
						18	%Cft	15127.50 %Cft	2780
3	RCC in slab of rafts / strip foundation base slab of column & retaining walls type "C" nominal mix (1:2:4).								
		3	3.000	3.000	1.000	27	Cft		
		3	2.000	2.000	1.000	12	Cft		
		3	1.125	1.125	8.000	30	Cft		
						69	Cft	378.54	26262
4	Fabrication of MS reinforcement i/c cutting bending & laying in position (Deformed bars).								
	Take qty as per item above	69	6.750	0.454		212	%Kg	25930.40	55079
5	Pacca brick work in (1:4) cement sand mortar in other than building								
		3	2.250	0.375	9.500	24	Cft		
		6	1.500	0.375	9.500	32	Cft		
		6	1.875	1.875	9.500	200	Cft		
		6	1.500	1.500	0.250	3	Cft		
						260	%Cft	27456.95	71354
6	Cement pointing 1:2 deep struck joints on wall mixed with red oxide pigments.								
		6	2.250	8.000		108	Sft		
		6	2.250	8.000		108	Sft		
						216	%Sft	3390.55 %Sft	7324
7	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.								
		1	20.000	6.000		120	Sft		
		1	4.000	6.000		24	Sft		
						144	Sft	2034.45	292961
8	Preparing surface and painting of doors and windows any type (including edges):-								
		2	144.000			288	Cft		
						288	%Sft	2242.30	6458
								Total Rs:	**463179**
								Say Rs:	**463000**

Sub Divisional Officer
BuildingsSub Division

Executive Engineer
Buildings Division

(34)

ORNAMENTAL GATE & GATE PILLAR

S#	Description	No	Measurements			Qty		Rate Rs.	Amount Rs.
								MRS-1st Bi-annual 2021	
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) in ordinary soil								
		3	5.000	5.000	4.000	300	Cft		
						300	Cft	8727.85 %0Cft	2618
2	Cement concrete using brick / stone ballast 1-1/2"-2" gauge in F & P ratio (1:6:12)								
		3	4.250	4.250	0.500	27	Cft		
						27	Cft	15127.50 %Cft	4099
3	RCC in slab of rafts / strip foundation base slab of column & retaining walls type "C" nominal mix (1:2:4).								
		3	4.250	4.250	1.500	81	Cft		
		3	3.250	3.250	1.000	32	Cft		
						113	Cft	378.54 P.Cft	42764
3	RCC in roof slabs beams and lintels etc complete in all respects type "C" nominal mix (1:2:4).								
	Columns	3	3.000	1.500	20.000	270	Cft		
	Beam	1	27.000	3.000	1.500	122			
						392	Cft	500.04 P.Cft	195767
4	Fabrication of MS reinforcement i/c cutting bending & laying in position (Deformed bars).								
	Take qty as per item above	113							
	Take qty as per item above	392							
	Total	504	6.750	0.454		1545	Kg	25930.40 %Kg	400516
5	Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick								
	columns	6	3.000		18.000	324	Sft		
		6	1.500		18.000	162	Sft		
		2	27.000	3.000		162			
		2	27.000	1.500		81			
						729	Sft	2595.85 %Sft	18924
6	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) new surface: two coats								
	Take qty as per item above	729				729			
						729	Sft	4685.25	34155
7	Making & fixing steel grated door with 1/16" thick sheeting i/c Angle iron frame 2"x2"x3/8" & ¾" square bar 4" i/c hole fast etc complete								
		2	12.500	8.000		200	Sft		
						200	Sft	2034.45	406890

(35)

8	Preparing surface and painting of doors and windows any type (including edges):-						
		2	200.000	400	Cft		
				400	Cft	2242.30 %Sft	8969
9	S/E of LED flood lights 50 Watt of approved manufecturer (made of GET technology or equivalent) 85-285 voltage, working frequency 50-60HZ LED chip USA origin, color warn white, life span 7000 hours i/c 2m G.I pipe, connection charges, laboure and carriage etc. complete in all respects as approved by the Engineer incharge						
		6		6	Nos		
				6	Each	12500.00	75000
10	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 an capping/G.I. wire/trenches (rate for cables only):- 7/0.74 mm (7/0.029")						
		1	250.000	250	P.Rft		
				250	P.Rft	33.00	8250
11	Painting letters with shade. tehsile head quarter hospital (THQ) Phalia	37	24.000	888	P.l/in		
				888	P.l/in	25.75 %Sft	22866
					Total Rs:		**1220819**
					Say Rs:		**1221000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(36)

DEATAIL OF WATER FILLTRATION PLANT

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
4	Providing and installation and fixing Reverse Osmosis Drinking water filtration plant consisting CNP or equivqalent water pressure pump, anti scalant dosing system (up to 02 liter per huors capacity with 80ltrs tank) , frp (pentair) pressure sand filter (16*65), frp (pentair) gac purifier (16" dia and 65" hight), heavy duty jumbo filters, Arsenic (Poison) filtration system and Arsenic removal media, semi auto multi-port valve, Activated carbon purifier (16" dia and 65" hight), ultra-violet system membrnes of 1000- gallons per hour capacity i/c water reservoir of 250 gallons, upvc fittings of pipe line with upvc pipes i/c outlet supply of filtered water with g.i line pipe 3" dia and required bib cocks complete in all respect. 1set 1200 gpd i/c water chiller brand new compressor 1.5, water tank made of non magnetic stainless steel 304 type (food grade) of 18 guage body made of stainless steel (magnetic) of 22 gauge copper coiling and as approved by the engineer incharge with one year warranty.								
		1				1			
	i/c GST and contractor profit				Total	1	2381250	Rft	2381250
	Providing & laying, cutting, jointing with fusion machine, disinfecting, testing PPRC pipe PN-25 (Dadex/Beta) or any approved firm, cost of sockets, Tees, Elbows, Bends, valves, crosses, unions and plugs are included in the rates, except threaded specials, laid in trenches/recessed in wall, cutting, jharries and repair surface, complete in all respects, as approved and to the entire satisfaction of the Engineer incharge								
	3/4" dia.	1	120			120	53.55	P.Rft	6426
	1" dia	1	260			120	88.80	P.Rft	10656
	1 1/2 " dia	1	520			120	199.60	P.Rft	23952
	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE),double ply polyethelene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.								
	As per RO plant requirement	300				300			
					Total	300	92.9	Rft	27870
	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts. 7/1.63 mm (7/0.06								
		1	250			250			
					Total	250	245.65	Rft	61413
								Total	**2511567**
								Say Total	**2512000**

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
M.B.Din

(57)

ABSTRACT OF COST BORING OF TUBE WELL I/C TURBINE CHAMBER SIZE 12'X12'

S#	Description	Qty	Rate Rs.		Amount Rs.
			MRS-1st Bi-annual 2021		
1	Provision of Turbine with boring				4257000
i	Cost of Turbine Chamber 12'x12' (2810+89)	182	Sft 2899.00	=	527618
			Total Rs:		**4784618**
			Say Rs:		**4785000**

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
M.B.Din

(38)

BORING OF TUBE WELL 550' Deep

S#	Description		Qty	Rate Rs.	Amount Rs.
				MRS-1st Bi-annual 2021	
1	Direct Rotary/Reverse Rotary Drilling of bore for Tube well in all type of soil except shingle gravel & rock.From Ground level to 250' below Ground level 15" to 18" (1x250)	P.Rft	200	635.20	127040
i	Exceeding 250' depth below Ground level 15" to 18" i/d.	P.Rft	350	635.20	222320
2	P/Installation M.S Baill Plug in Tube well bore hole 8" i/d	Each	1.000	4184.35	4184
3	P/Installation brass strainer in Tube well hole i/c socket special socket studs etc: complete 8" i/d 3/16" thick	P.Rft	80	6105.00	488400
4	Providing strong substantially built box of deodar wood 4'x2½'x9" (1200x750x225 mm), with compartments, lock and locking arrangement, for preserving samples of strata from bore hole	Each	1	27813.55	27814
5	Furnishing sample of water from bore hole	P.Set	3	174.00	522
6	Testing and developing of Tube Well of size 6" i/d and above continuously upto 1.5 discharge	P.Hor	72	1475.20	106214
7	Shrouding with graded pea gravel 3/8" to 1/8" around Tube well in bore hole [450 x 22/7 x {(1.5)^2 - (2/3)^2}]/ 4 = 638 Cft [100 x 22/7 x {(1.5)^2 - (1)^2}]/ 4 = 98 Cft Total : = 736 Cft	P.Cft	736	125.40	92294
8	P/F of M.S Blind pipe with socket/ welded joints M.S reducer where necessary in bore hole i/c jointing welding with strainer 8" dia 3/16" thick.	P.Rft	370	2379.20	522236
I	Do--------- 12" i/d, ¼" (300 mm i/d 6 mm) thick	P.Rft	100	3901.40	390140
9	KSB DEEP Well Turbine Pump Capacity: 1/4 Cusic ; Head: 140 Feet, Setting depth: 120 feet Pump Make: Siemens IE2/ABB B7B/10+ 10HP/4P Scope of work:- KSB Deep Well Turbine Pump with 10 Stages + Siemens Motor 10HP/(1450-rpm) + Column set + Top set + Discharge Head + Priming Tank + Erection Clamps + Suction Stainer + Sluice + Reflex valve + MCU ASD-10 (Motor Control Unit comprising of Automatic Starter, MCCB, Ammeter, Volt Meter, Dry Running Protection Device, Phase failure Device & Over/under Load Relay, all components are fixed in steel cabinet with lockable arrangement) i/c making PCC foundation. i/c 10% Contractor profit	Each	1	1853500	1853500
10	P/F air valve 2-1/2" dia BSS quality.	Each	1	4015.70	4016
11	P/F Steel girder 4"x8" size 14' long of heavy weight	P.Rft	14	1000.00	14000
12	P/F Bell mouth 4" dia.	Each	4	3500.00	14000
13	PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, non armoured with G.I. wire 16 SWG. 19/2.11 mm (19/0.083")	P.Rft	150	2605.05	390758
				Total Rs:	**4257438**
				Say Rs:	**4257000**

Sub Divisional Officer
Buildings Sub Division

Executive Engineer
Buildings Division

(39)

PROVISION OF STREET LIGHTS

Sr. No	Description of Work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	H				
	galvanized angle iron lattice steel structure pole 37 ft. (11.25 m) long 30 ft. (9 m) above ground level), 34" square (850 mm) at base, 13.75" (35 mm) square at top, for electric distribution line, using 2"x2"x5/32" (50x50x4mm) high tensile steel angle iron legs, and 1-3/8"x 1-3/8"x1/8" (35x35x3 mm) M.S. angle iron bracings fixed between legs on all the four sides in diagonal position as per standard drawing including silver painting of								
		25				25			
					Total	25	77582.75	Each	1939569
	Supply and fitting of mercury vapour lamp,250 watt complete with choke set. i/c pole mounted street light, holders, shade and glass, etc., complete								
		25				25			
					Total	25	6825.35	Each	170634
4	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 an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, (3/0.029")								
		1	1500			1500			
					Total	1500	20.95	Rft	31425
B	----------do---------- 7/0.044"								
		1	3600			3600			
					Total	3600	60.60	Rft	218160
C	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-19/1.32 mm (19/0.052")								
		1	1500			1500			
					Total	1500	995.35	Rft	1493025
	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.								
		25				25			
					Total	25	8020.25	Rft	200506

(40)

	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 6" deep (i) 20~60A (18"x24"x6")								
		3				3			
					Total	3	41912.65	Each	125738
	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. Double phase 6-63 Amp (10 KA)								
		3				3			
					Total	3	5126.40	Each	15379
B	----------do---------- Single Phase 6-40 Amp (6 KA)								
		25				25			
					Total	25	866.40	Each	21660
								Total	**4216096**
								Say Total	**4216000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(41)

Establishment of Parking Area i/c Fiber glass Praking shed

Sr. No	Description of Work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	H				
1	Excavation in foundation of building, bridges and other structures, including degbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift up to 5 ft. (1.5 m) in ordinary soil.								
	Toe wall	1	80	1 1/2	1	120			
		1	150	1 1/2	1	225			
	MRS Ref. 21b/Earth Work				Total	345	8727.85	%o Cft	3,011
2	Cement concrete using brick / stone ballast 1-1/2"-2" gauge in F & P ratio (1:6:12)								
	Toe wall	1	80	1 1/8	1/3	30			
		1	150	1 1/8	1/3	56			
	MRS Ref. 3d/Concrete				Total	86	15127.50	% Cft	13,010
3	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Rati o 1:2								
	Toe wall	1	80	1 1/8	3 1/2	315			
		1	150	1 1/8	3 1/2	591			
					Total	906	25403.05	% cft	230,152
4	Filling, watering and ramming earth under floors:-								
			345	x	2/3	230			
					Total	230	4,197.60	% 0cft	965
B	Filling, watering and ramming earth under floors:-from outside, lead upto one chain 3mile.								
		1	150	78 1/2	2 1/4	26494			
		1	127	16	2 1/4	4572			
					Total	31066			
	D/d surplus					230			
					Total	30836	15,177.05	% 0cft	468,000
5	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including car r i age of al l mater i al to si te of wor k ex cept gr av el and. aggregate. Cr ushed stone aggr egate. i/c carriage from the quary Pit run or bed run gravel.								
		1	150	78 1/2	1/2	5888			
		1	127	16	1/2	1016			
					Total	6904	10044.70	% cft	693,486

(92)

6	Providingandl aying Tuff pavers, having 7000PSI, 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. 60mm (50% Grey / 50% Coloured)								
		1	150	80		12000			
		1	127	16		2032			
					Total	14032	126.35	P.Sft	1,772,943
7	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P:C:C (1:2:4) i/c the cost of excavation,cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge.								
	Parking shed	1	150	20		3000			
					Total	3000	546.15	P.sft	1638450
								Total	**4820017**
								Say Total	**4820000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

Renovation of Clinical Building

Sr. No	Description of Work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	H				
1	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour **aluminium doors,** using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections ncluding the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. **2mm thick**								
	D3	15	3		9	405			
	D4	5	3 1/2		9	158			
	D5	1	4		9	36			
	D6	2	4 1/2		9	81			
	D7	2	5		9	90			
	OT block main door	1	7 1/2		12	90			
					Total	860	756.50	P.sft	650212
2	Providing and fitting all types of glazed **aluminium windows** of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.								
	W2	6	4		6	144			
	W3	3	6		6	108			
					Total	252	606.50	P.sft	152838
B	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 size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.								
	Take qty item No.2		252			252			
					Total	252	688.35	P.sft	173464

Sr. No	Description of Work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	H				
3	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								
	Emergency/OPD admin block W2	37	4		6	888			
	'----------do---------- W3 (30-7)	7	6		6	252			
	OTB/X-Ray block W2	22	4		6	528			
	----------do---------- W3	9	6		6	324			
	----------do---------- W4	9	8		6	432			
	----------do---------- W1a	3	2		2	12			
	Indore block/Gallery W2	0	4		6	0			
	----------do---------- W3	11	6		6	396			
	----------do---------- W1a	28	2		2	112			
	Ventilators	16	2		2	64			
					Total	3008	647.7	P.Sft	1,948,282
4	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" (13mmx3 mm) and machine made screws.								
	Emergency/OPD admin block W2	37	4		6	888			
	----------do---------- W3 (30-23)	7	6		6	252			
	OPD/X-Ray block W2	22	4		6	528			
	----------do---------- W3	9	6		6	324			
	----------do---------- W1a	3	2		2	12			
	Indore block/Gallery W2	0	4		6	0			
	----------do---------- W3	11	6		6	396			
	----------do---------- W1a	28	2		2	112			
	Ventilators	16	2		2	64			
					Total	2576	135.55	P.Sft	349,177

(95)

Sr. No	Description of Work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	H				
5	Providing and laying superb quality **Porcelain glazed tiles flooring** of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm (16"x16")								
	yellow room	1	10	18		180			
	repairing work	1	8	9		72			
					Total	252	260.75	P.Sft	65,709
6	Providing and laying superb quality **Porcelain glazed tiles of Master brand, skirting/dado** of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm (16"x16")								
	Emergency/OPD admin block								
	Emergecy room Hz Walls	2	(25.000	+14.000)	1/2	39			
	Doc room	2	(7.250	+14.000)	1/2	21			
	Waiting	2	(12.250	+14.000)	1/2	26			
	Doc room	2	(18.250	+14.000)	1/2	32			
		2	(11.000	+14.000)	1/2	25			
	side room	4	(5.000	+7.250)	1/2	25			
	Doc room	2	(11.666	+14.000)	1/2	26			
	M.S room side room	2	(12.583	+7.625)	1/2	20			
	Admin office	2	(15.000	+14.000)	1/2	29			
	medicine store	2	(15.000	+14.000)	1/2	29			
		2	(12.000	+14.000)	1/2	26			
	eye room	2	(6.625	+14.000)	1/2	21			
	side room	2	(5.000	+7.500)	1/2	13			
	dental room	2	(6.625	+13.500)	1/2	20			
	side room	2	(5.000	+7.125)	1/2	12			
	Doc room	2	(12.000	+13.500)	1/2	26			
	Waiting	2	(15.000	+14.000)	1/2	29			
	record room	2	(5.583	+13.500)	1/2	19			
	medicine store	2	(10.000	+13.500)	1/2	24			
	Doc room	2	(7.833	+13.500)	1/2	21			
	dispancry	2	(14.000	+13.500)	1/2	28			
	G.doc room	2	(16.000	+13.500)	1/2	30			
	WMO	2	(12.000	+13.500)	1/2	26			
	side room	4	(5.000	+7.125)	1/2	24			
	Doc room	2	(11.833	+13.500)	1/2	25			
	EPI	2	(11.250	+13.500)	1/2	25			
	Waiting	2	(17.833	+13.500)	1/2	31			
	Doc room	2	(11.875	+13.500)	1/2	25			
	Emergency doc room	2	(11.875	+13.500)	1/2	25			
	Corridor	.2	108 2/3		1/2	109			

Sr. No	Description of Work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	H				
		2	92 1/5		1/2	92			
		2	8		1/2	8			
	Front Corridor	2	81		1/2	81			
		2	101 1/2		1/2	102			
		2	7		1/2	7			
	main corridor	4	15		1/2	30			
		2	20 3/4		1/2	21			
		2	19 1/2		1/2	20			
		2	15		1/2	15			
		2	37		1/2	37			
		2	20 1/4		1/2	20			
		2	20 1/8		1/2	20			
	OPD/X-Ray block								
	X-Ray Room	2	(12.000	+18.000)	1/2	30			
		2	(12.000	+8.666)	1 1/2	62			
	Egg room	2	(12.000	+8.583)	1/2	21			
	Corridor	2	25 1/2		1 1/2	77			
	CT	2	(14.000	+13.500)	1 1/2	83			
		2	27		1	54			
		2	59 1/2		1	119			
	dressing	2	(8.000	+13.500)	1/2	22			
	nursing station	2	(8.000	+10.583)	1/2	19			
	Indore block								
	ward	4	(35.500	+46.660)	1/2	164			
	nursing room	4	(12.000	+18.666)	1/2	61			
	record room	4	(6.000	+12.000)	1/2	36			
	general store	4	(10.000	+18.666)	1/2	57			
	nursing station	4	(11.000	+11.583)	1/2	45			
	medicine store	4	(5.000	+10.000)	1/2	30			
	head nursing	4	(10.000	+16.166)	1/2	52			
	Corridor	4	30 1/2		1/2	61			
					Total	2274	260.75	P.Sft	592937
7	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:- ii) G.I. sheet, 18 SWG								
		10	12			120			
					Total	120	199.45	P.Rft	23934
8	Cement pointing struck joints, on walls, upto 20' (6.00 m) hiehgt:- ratio 1:2								
	Indore block	2	65		14 1/2	1885			
		2	58 1/2		14 1/2	1697			
		2	66		14 1/2	1914			
	Corridor	2	35		14 1/2	1015			
	Dianostic block	2	74		14 1/2	2146			
		2	50		14 1/2	1450			
		2	25 1/2		14 1/2	740			
	Corridor	2	20		14 1/2	580			
	OPD	1	110		14 1/2	1595			
		1	98 3/4		14 1/2	1432			
	Toilets	4	22		10	880			
		4	10 2/3		10	427			
					Total A	15760			
	Deductions for openings								

(47)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
		2	92 1/5		1/2	92			
		2	8		1/2	8			
	Front Corridor	2	81		1/2	81			
		2	101 1/2		1/2	102			
		2	7		1/2	7			
	main corridor	4	15		1/2	30			
		2	20 3/4		1/2	21			
		2	19 1/2		1/2	20			
		2	15		1/2	15			
		2	37		1/2	37			
		2	20 1/4		1/2	20			
		2	20 1/8		1/2	20			
	OPD/X-Ray block								
	X-Ray Room	2	(12.000	+18.000)	1/2	30			
		2	(12.000	+8.666)	1 1/2	62			
	Egg room	2	(12.000	+8.583)	1/2	21			
	Corridor	2	25 1/2		1 1/2	77			
	CT	2	(14.000	+13.500)	1 1/2	83			
		2	27		1	54			
		2	59 1/2		1	119			
	dressing	2	(8.000	+13.500)	1/2	22			
	nursing station	2	(8.000	+10.583)	1/2	19			
	Indore block								
	ward	4	(35.500	+46.660)	1/2	164			
	nursing room	4	(12.000	+18.666)	1/2	61			
	record room	4	(6.000	+12.000)	1/2	36			
	general store	4	(10.000	+18.666)	1/2	57			
	nursing station	4	(11.000	+11.583)	1/2	45			
	medicine store	4	(5.000	+10.000)	1/2	30			
	head nursing	4	(10.000	+16.166)	1/2	52			
	Corridor	4	30 1/2		1/2	61			
					Total	2274	260.75	P.Sft	592937
7	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:- ii) G.I. sheet, 18 SWG								
		10	12			120			
					Total	120	199.45	P.Rft	23934
8	Cement pointing struck joints, on walls, upto 20' (6.00 m) hiehgt:- ratio 1:2								
	Indore block	2	65		14 1/2	1885			
		2	58 1/2		14 1/2	1697			
		2	66		14 1/2	1914			
	Corridor	2	35		14 1/2	1015			
	Dianostic block	2	74		14 1/2	2146			
		2	50		14 1/2	1450			
		2	25 1/2		14 1/2	740			
	Corridor	2	20		14 1/2	580			
	OPD	1	110		14 1/2	1595			
		1	98 3/4		14 1/2	1432			
	Toilets	4	22		10	880			
		4	10 2/3		10	427			
	Deductions for openings				Total A	15760			

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
	Emergency/OPD admin block W2	23	4		6	552			
	OT/X-Ray block W2	15	4		6	360			
	----------do---------- W3	9	6		6	324			
	Indore block/Gallery W2	17	4		6	408			
	----------do---------- W3	17	6		6	612			
	----------do---------- W1a	10	2		6	120			
					Total B	2376			
					Net	13384	3390.55	%sft	453775
9	Preparing surface and painting with emulsion paint two coats i/c scraping Ordinary distemper, oil bound distemper or paint of wall								
	Emergency/OPD admin block								
	Emergecy room Hz Walls	2	(25.000	+14.000)	7	546			
	Doc room	2	(7.250	+14.000)	7	298			
	Waiting	2	(12.250	+14.000)	7	368			
	Doc room	2	(18.250	+14.000)	7	452			
		2	(11.000	+14.000)	7	350			
	side room	4	(5.000	+7.250)	7	343			
	Doc room	2	(11.666	+14.000)	7	359			
	M.S room side room	2	(12.583	+7.625)	7	283			
	Admin office	2	(15.000	+14.000)	7	406			
	medicine store	2	(15.000	+14.000)	7	406			
		2	(12.000	+14.000)	7	364			
	eye room	2	(6.625	+14.000)	7	289			
	side room	2	(5.000	+7.500)	7	175			
	dental room	2	(6.625	+13.500)	7	282			
	side room	2	(5.000	+7.125)	7	170			
	Doc room	2	(12.000	+13.500)	7	357			
	Waiting	2	(15.000	+14.000)	7	406			
	record room	2	(5.583	+13.500)	7	267			
	medicine store	2	(10.000	+13.500)	7	329			
	Doc room	2	(7.833	+13.500)	7	299			
	dispancry	2	(14.000	+13.500)	7	385			
	G.doc room	2	(16.000	+13.500)	7	413			
	WMO	2	(12.000	+13.500)	7	357			
	side room	4	(5.000	+7.125)	7	340			
	Doc room	2	(11.833	+13.500)	7	355			
	EPI	2	(11.250	+13.500)	7	347			
	Waiting	2	(17.833	+13.500)	7	439			
	Doc room	2	(11.875	+13.500)	7	355			
	Emergency doc room	2	(11.875	+13.500)	7	355			
	OT/X-Ray block				7				
	X-Ray Room	2	(12.000	+18.000)	7	420			
		2	(12.000	+8.666)	7	289			
	Egg room	2	(12.000	+8.583)	7	288			
	Corridor	2	25 1/2		7	357			
	CT	2	(14.000+	+13.500)	7	385			
		2	27		7	378			
		2	59 1/2		7	833			
	dressing	2	(8.000+	+13.500)	7	301			
	nursing station	2	(8.000+	+10.583)	7	260			
	Indore block				7				
	ward	4	(35.500+	+46.660)	7	2300			
	nursing room	4	(12.000+	+18.666)	7	859			
	record room	4	(6.000+	+12.000)	7	504			

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
	general store	4	(10.000+	+18.666)	7	803			
	nursing station	4	(11.000+	+11.583)	7	632			
	medicine store	4	(5.000+	+10.000)	7	420			
	head nursing	4	(10.000+	+16.166)	7	733			
	Corridor	2	108 2/3		7	1521			
		2	92 1/5		7	1291			
		2	8		7	112			
	Front Corridor	2	81		7	1134			
		2	101 1/2		7	1421			
		2	7		7	98			
	main corridor	4	15		7	420			
		2	20 3/4		7	291			
		2	19 1/2		7	273			
		2	15		7	210			
		2	37		7	518			
		2	20 1/4		7	284			
		2	20 1/8		7	282			
	Baths Emergecy	2	(8.666+	+8.875)	7	246			
		4	(5.000+	+6.000)	7	308			
		2	(12.583+	+6.000)	7	260			
		4	(5.000+	+6.000)	7	308			
		4	(6.333+	+13.500)	7	555			
		4	(5.000+	+6.000)	7	308			
	Baths OPD	2	(10.000+	+13.500)	7	329			
		2	(7.666+	+13.500)	7	296			
		2	(8.000+	+3.833)	7	166			
	Baths indore	4	(5.000+	+6.125)	7	312			
		8	(5.125+	+6.166)	7	632			
		4	(5.000+	+5.750)	7	301			
		4	(20.500+	+9.125)	3	356			
	Roof								
	Emergency/OPD admin block								
	Emergecy room Hz Walls	1	25	14		350			
	Doc room	1	7 1/4	14		102			
	Waiting	1	12 1/4	14		172			
	Doc room	1	18 1/4	14		256			
		1	11	14		154			
	side room	2	5	7 1/4		73			
	Doc room	1	11 2/3	14		163			
	M.S room side room	1	12 4/7	7 5/8		96			
	Admin office	1	15	14		210			
	medicine store	1	15	14		210			
		1	12	14		168			
	eye room	1	6 5/8	14		93			
	side room	1	5	7 1/2		38			
	dental room	1	6 5/8	13 1/2		89			
	side room	1	5	7 1/8		36			
	Doc room	1	12	13 1/2		162			
	Waiting	1	15	14		210			
	record room	1	5 4/7	13 1/2		75			
	medicine store	1	10	13 1/2		135			
	Doc room	1	7 5/6	13 1/2		106			
	dispancry	1	14	13 1/2		189			
	G.doc room	1	16	13 1/2		216			
	WMO	1	12	13 1/2		162			
	side room	2	5	7 1/8		71			
	Doc room	1	11 5/6	13 1/2		160			
	EPI	1	11 1/4	13 1/2		152			

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
	Waiting	1	17 5/6	13 1/2		241			
	Doc room	1	11 7/8	13 1/2		160			
	Emergency doc room	1	11 7/8	13 1/2		160			
	OT/X-Ray block					0			
	X-Ray Room	1	12	18		216			
		1	12	8 2/3		104			
	Egg room	1	12	8 4/7		103			
	Corridor	1	25 1/2			26			
	CT	1	14	13 1/2		189			
		1	27			27			
		1	59 1/2			60			
	dressing	1	8	13 1/2		108			
	nursing station	1	8	10 4/7		85			
	Indore block					0			
	ward	2	35 1/2	46 2/3		3313			
	nursing room	2	12	18 2/3		448			
	record room	2	6	12		144			
	general store	2	10	18 2/3		373			
	nursing station	2	11	11 4/7		255			
	medicine store	2	5	10		100			
	head nursing	2	10	16 1/6		323			
	Baths Emergecy	1	8 2/3	8 7/8		77			
		2	5	6		60			
		1	12 4/7	6		75			
		2	5	6		60			
		2	6 1/3	13 1/2		171			
		2	5	6		60			
	Baths OPD	1	10	13 1/2		135			
		1	7 2/3	13 1/2		103			
		1	8	3 5/6		31			
	Baths indore	2	5	6 1/8		61			
		4	5 1/8	6 1/6		126			
		2	5	5 3/4		58			
		2	20 1/2	9 1/8		374			
					Total A	43756			
	Deductions for openings								
	Emergency/OPD admin block W2	37	4		3.5	518			
	----------do---------- W3	30	6		3.5	630			
	OTB/X-Ray block W2	11	4		3.5	154			
	----------do---------- W3	9	6		3.5	189			
	Indore block/Gallery W2	0	4		3.5	0			
	----------do---------- W3	11	6		3.5	231			
	----------do---------- W1a	28	2		3.5	196			
	Ventilators	16	2		3.5	112			
	Doors D2	28	2 1/2		7				
	D3	17	3		9	459			
	D4	27	3 1/2		9	851			
	D5	1	4		9	36			
	D6	2	4 1/2		9	81			
	D7	0	5		9	0			
					Total B	3457			

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
					Net A-B	87512	2399.70	P.Sft	2100024
10	Painting doors and windows, any type: two coats on old surface								
	Doors								
	Doors D2	28	2 1/2		7	490			
	D3	2	3		9	54			
	D4	3	3 1/2		9	95			
	D5	1	4		9	36			
					Total	675	1346.60	% Sft	9083
11	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: old surface:								
	Emergency/OPD back	1	98 2/3		15	1480			
		1	110 1/6		15	1652			
		2	20		15	600			
	OT/x-ray	2	50		15	1500			
		2	75		15	2250			
		2	25 1/2		15	765			
		2	35 1/2		15	1065			
		2	65		15	1950			
		2	58 1/2		15	1755			
		2	66		15	1980			
		4	22		10	880			
		4	10 2/3		10	427			
	Mortuary	1	19 1/2		14 1/2	283			
		1	1 1/2		14 1/2	22			
		1	22 3/8		14 1/2	324			
		1	24 1/2		14 1/2	355			
		1	11 1/4		14 1/2	163			
		1	9		14 1/2	131			
		1	10 1/2		14 1/2	152			
					Total A	17734			
	Deductions for openings								
	Emergency/OPD admin block W2	23	4		6	552			
	OT/X-Ray block W2	15	4		6	360			
	----------do---------- W3	9	6		6	324			
	Indore block/Gallery W2	17	4		6	408			
	----------do---------- W3	17	6		6	612			
	----------do---------- W1a	10	2		6	120			
					Total B	2376			
					Net Total	15358	1723.15	%Sft	264645
12	P/F stainless steel angle of 1 1/2" x 1 1/2" x 3/16" on the vertical edging of the walls, cloumns and doors etc. for protection of skirting i/c screws, laboure and carriage etc. complete in all respects as approved by the Engineer in charge								
	Emegency/OPD Block								

(52)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
	Doors	41	4		5	820			
	Corners	42			5	210			
	Diagonastic Block								
	Doors	30	4		5	600			
	Corners	14			5	70			
	Indore Block								
	Doors	34	4		5	680			
	Corners	16			5	80			
	Pillars	8	4		5	160			
					Total	2620	650	P.Rft	1,703,000
								Total	**8487079**
								Say Total	**8487000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(53)

Renovation of OT's in THQ Hospital Phalia

Sr. No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	Length	Width	Hieght				
1	Providing and laying superb quality **Porcelain glazed tiles flooring** of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm (16"x16")								
	Floor tile								
	store	1	8	13 1/2		108			
	privat room	1	16	13 1/2		216			
	store	1	6 5/6	13 1/2		92			
	Doc Room	1	8	9 1/4		73			
	Corridor	1	57	7 5/6		446			
		1	8	7		56			
		1	12	9 1/4		111			
	D3	6	3	3/4		14			
	D4	1	3 1/2	3/4		3			
	D5	1	4	3/4		3			
	D6	2	4 1/2	3/4		7			
	D7	2	5	3/4		8			
	3-21b				Total	1136	260.75	P.Sft	296125
2	Providing and laying superb quality **Porcelain glazed tiles of Master brand, skirting/ dado** of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm (16"x16")								
	store	2	8		5	80			
		2	13 1/2		5	135			
	privat room	2	16		5	160			
		2	13 1/2		5	135			
	store	2	6 5/6		5	68			
		2	13 1/2		5	135			
	Doc Room	2	8		5	79			
		2	9 1/4		5	93			
	Corridor	2	57		5	569			
		2	7		5	70			
		2	9 1/4		5	93			
	D3 (1x2)x5/8x9	8	2	5/8	9	90			
		2	2	5/8	9	23			
	D4	2	2	5/8	9	23			
	D5	1	2	5/8	9	11			
	D6	2	2	5/8	9	23			

(54)

Sr. No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	Length	Width	Hieght				
	D7	2	2	5/8	9	23			
	D7	1	2	5/8	9	11			
					Total	1842	Sft		
	D/D								
	D3	8	3		5	120			
		2	3		10	60			
	D4	2	3 1/2		5	35			
	D5	1	4		10	40			
	D6	2	4 1/2		5	45			
		2	4 1/2		10	90			
	D7	2	5		9	90			
	D7	1	5		5	25			
					Total B	505			
					Net Total	1337	260.75	P.Sft	348531
	6-3e								
	P/L anti static vinyle flooring 2mm thick properly welded at edges and joints according to the latest international OR standards electrical discharge flooring with heat welding joint fire rating 685 electrical resistance 10x6 anti bactarial and fungus resistance EN 423 installation with corbon base conductive non toxic halogen free adhasive and copper strip complete in all respect as approved/ directed by the Engineer Incharge								
	Flooring								
	Opretion T.	1	20	18		360			
	scrub room	1	12	9 1/4		111			
	eye room	1	13 2/3	18		246			
	labour room	1	16	18		288			
	Walls								
	Opretion T.	2	20		10	400			
		2	18		10	360			
	scrub room	2	12		10	240			
		2	9 1/4		10	185			
	eye room	2	13 2/3		10	273			
		2	18		10	360			
	labour room	2	16		10	320			
		2	18		10	360			
	6-3e				Total	3503	2175.00	P.Sft	7619695
5	P/F False ceilling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.								
	Opretion T.	1	20	18		360			
	scrub room	1	12	9 1/4		111			
	eye room	1	13 2/3	18		246			

55

Sr. No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	Length	Width	Hieght				
	Doc room	1	15	14		210			
					Net Total	1215	350.00	P.Sft	425246
3	Providing and laying **superb quality Ceramic tile floors** of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"								
	Bath	1	8	3 5/6		30			
		1	7 2/3	13 1/2		103			
		1	8	7		56			
	7-4i				Total	190	202.80	P.Sft	38498
4	----------do---------- for dado/Skirting								
	Bath	2	8		7	111			
		2	3 5/6		7	54			
		4	7 2/3		7	215			
		2	13 1/2		7	189			
		2	3 2/3		7	51			
		2	8		7	112			
		2	7		7	98			
					Total	829			
	D/D					0			
	D2	6	2 1/2		7	105			
	D3	2	3		7	42			
					Total	147			
					Net Total	682	209.70	P.Sft	143111
6	Preparing surface and painting with emulsion paint:- i/c scraping Ordinary distemper, oil bound distemper or paint of wall								
	Walls								
	scrub room	2	12		7	168			
		2	9 1/4		7	130			
	store	2	8		7	112			
		2	13 1/2		7	189			
	privat room	2	16		7	224			
		2	13 1/2		7	189			
	store	2	6 5/6		7	96			
		2	13 1/2		7	189			
	Doc Room	2	8		7	111			
		2	9 1/4		7	130			
	Corridor	2	57		7	797			
		2	7		7	98			
		2	9 1/4		7	130			
	Bath	2	8		5	79			

(56)

Sr. No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	Length	Width	Hieght				
		4	7 2/3		5	153			
		2	13 1/2		5	135			
		2	3 2/3		5	37			
		2	8		5	80			
		2	7		5	70			
	Roof					0			
	scrub room	1	12	9 1/4		111			
	store	1	8	13 1/2		108			
	privat room	1	16	13 1/2		216			
	store	1	6 5/6	13 1/2		92			
	Doc Room	1	8	9 1/4		73			
	Corridor	1	57	7 5/6		446			
		1	8	7		56			
		1	12	9 1/4		111			
	Bath	1	8	3 5/6		30			
		1	7 2/3	13 1/2		103			
		1	8	7		56			
					Total A	4556	Sft		
	D3	8	3		4	96			
	D4	2	3 1/2		4	28			
	D6	2	4 1/2		4	36			
	D7	1	5		4	20			
	W2	6	4		6	144			
		6	4		6	144			
	W1a	6	2		2	24			
	W4	1	8		6	48			
					Total B	540	Sft		
					Net A-B	4016	2399.70	P.Sft	96382
6	P/F PVC (Polyvinyl chloride) Cladding panels, printed face wall paneling comprising of 7mm thick (Average) 7" to 10" width cladding strip hollow made of approved colour and design (Vinylobuilt or approved equivalent) having heat resistant up to 60°c i/c cost of beading on edges / corners fixed with nails, screw etc complete in all respect as approved by the Engineer Incharge.								
	Doc room	2	15		5	150			
		2	14		5	140			
					Total	290			
	D4	1	3 1/2		4	14			
	W2	2	4		3 1/2	28			
					Total B	42	Sft		
					Net A-B	248	150.00	P.Sft	37200
							Total		9004788
							Say		9005000

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(57)

Improvement to the Reception Counters in THQ Hospital Phalia

Size 19x14.25

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
1	Pacca brick work in ground floor: c/s mortor (1:6)								
	openings	4	5	3/4	6	90			
	front	1	12	3/4	12	108			
					Total	198			
	D/d opening D1	1	3 1/2	3/4	8 1/2	22			
	w1	1	4	3/4	6	18			
					Total B	40			
					Ne Total	158	27192.95	%cft	42880
2	Pacca brick work in fouundation and plinth c/s mortor 1:4								
	Counter	2	17	3/8	3	38			
		4	2	3/8	3	9			
					Ne Total	47	28359.75	%cft	13400
3	(a) (i) Reinforced cement concrete in roof slab, beams,columns lintels, girders and other structural members laid insitu or precast laid in position, or prestressed members cast in situ, complete in all respects:-(3) (c) Type C (nominal mix 1: 2: 4)								
	Counter	1	17	2	3/8	13			
	Lintels	2	5 1/2	3/4	1/2	4			
					Ne Total	17	500.04	P.cft	8438
4	Fabrication of mild steel reinforcement for cement concrete,including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):(b) Deformed bars (Grade-40)								
	Lintels	=	17	x6.75x.453		52			
					Ne Total	52	25930.40	P.Kg	1337996
5	Providing and laying superb quality **Porcelain glazed tiles flooring** of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm (16"x16")								
	Reception room	1	17 1/2	12		210			
					Total	210	265.75	P.Sft	55,808

(58)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
6	Providing and laying superb quality **Porcelain glazed tiles of Master brand, skirting/dado** of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm (16"x16")								
	Room	2	17 1/2		5	175			
		2	12		5	120			
	counter	8	2		3	48			
					Total	343	265.75	P.Sft	91152
7	Providing and laying 3/4" thick full width Prepolished **Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture** (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona								
		1	17 1/4	2 1/4		39			
					Total	39	369.40	P.Sft	14337
8	Cement plaster 1:5 c/s plaster 1/2" thick								
		2	17 1/2		7	245			
		2	12		7	168			
					Total	413	2493.60	P.Sft	10299
9	Preparing surface and painting with emulsion paint: three coats on new surface								
		1	17 1/2	12		210			
	as per above qty					413			
					Total	623	2553.15	P.Sft	15906
10	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour **aluminium doors,** using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections ncluding the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. **2mm thick**								
	D4	1	3 1/2		8 1/2	30			
					Total	30	756.50	P.sft	22506

(59)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
11	Providing and fitting all types of glazed **aluminium windows** of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.								
	W2	1	4		6	24			
	Counter	1	17		1 1/2	26			
					Total	50	606.50	P.sft	30022
B	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 size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.								
	Take qty item No.2		50			50			
					Total	50	688.35	P.sft	34073
12	Providing and fixing 2.00 ft deep M.Steel Lockers (Wardrobes) consisting of 1-1/4"x1-1/4"x3/16" angle Iron Frame & 1"x1"x1/8" MS Flat for center vertical bracing duly welded with MS sheet 24-SWG Sheet on all Sides, Back & Top and for partitions / Shelves and 1"x1"x1/8" Angle Iron for Leaf Frame duly welded with 18- SWG for Front Door and hinges and locking arragement ,handles duly painted with hammar paint 3-coats complete in all respect as approved by the Engineer Incharge.								
	for OPD counters	3	3 1/4		5	49			
	for Indore nursing counters	4	3 1/4		5	65			
					Total	114	1913.10	P.Sft	218093
13	P/F stainless steel non magenatic stair railing 2 3/4" high c/O 2" dia 18SWG pipe top hand rail w/o vertical balustrade of 1.5" wide 3/8" thick stainless steel double strip with stainless stud w/t fency reducer 2"x1/2" at top and ms tikki 3" dia I/4" thick at bottom fixed on steps with holding down rawal bolt 3"x3/8" ms tikki coverd with articture al multi offset shape stainless cap 3" dia at bottom and reduce to 1.5" dia at top in 2" hight in horizontal cap 3" dia at bottom and reduced to 1.5" dia at top complete in all respects as approved by the engineer incharge								

(60)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
					Total	60	1775.10	P.Rft	106506
14	Refixing of already available railing complete in all respects as approved by the engineer in charge	2				2			
					Total	2	2500.00	P.Job	5000
								Total	**2006417**
								Say Total	**2006000**

Sub Divisonal Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

61

Construction of 4 No's Ramps

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
1	Excevation in foundation of building bridges and other structure in ordinery soil								
	Ramp Toe wall (4x2)	8	6	1 1/2	1 1/2	108			
	plate form	4	7	8	1 1/2	336			
					Total	444	8727.85	%0cft	3875
2	Dry rammed brick or stone ballast 1 1/2"-2" guage								
	Toe wall (4x2)	8	6	1 1/2	1/3	24			
	plate form	4	7	8	1/3	75			
					Total	99	5596.80	%0cft	5541
3	Pacca brick work in foundation and plinth c/s (1:6)								
	Toe wall (4x2)	4	6	1 1/2	3	108			
	plate form	4	6	5	2 1/2	300			
	steps	4	6	3	3/4	54			
		4	6	2	1/2	24			
		4	6	1	1/2	12			
					Total	498	25403.05	% cft	126507
4	Supplying and filling sand under floor; or plugging in wells								
	Ramp	4	5	6	1 1/2	180			
					Total	180	2863.20	% cft	5154
5	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.								
	Ramp	4	5	6	1/3	40			
					Total	40	6211.3	% cft	2485
14	Providing and laying **flooring** with **China Verona Marble** having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortor i/c the cost of matching sealer,cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge ii) 3/4" thick (12"x24"/12"x36")								
	Platform	4	6	5		120			
					Total	120	314.30	P.Sft	37716
16	P/L 3/4" thick prepolished marble slab of China verona marble of uniform texture spotless laid over a bed of 3/4" thick c/s mortar 1:2 i/c cutiing and making nosing on one side upto 4-Sft size for stair steps complete in all respect as approved by the engineer incharge. for steps								

(62)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
6	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **(Non-Skid Chequred Tiles)** 300mmx300mm								
	Ramp	4	5	6		120			
					Total	120	190.60	P.Sft	22872
7	P/F stainless steel non magenatic stair railing 2 3/4" high c/O 2" dia 18SWG pipe top hand rail w/o vertical balustrade of 1.5" wide 3/8" thick stainless steel double strip with stainless stud w/t fency reducer 2"x1/2" at top and ms tikki 3" dia I/4" thick at bottom fixed on steps with holding down rawal bolt 3"x3/8" ms tikki coverd with articture al multi offset shape stainless cap 3" dia at bottom and reduce to 1.5" dia at top in 2" hight in horizontal cap 3" dia at bottom and reduced to 1.5" dia at top complete in all respects as approved by the engineer incharge								
	Ramp	4	2	6		48			
		1	1	6		6			
					Total	54	1775.10	P.Rft	95855
								Total	**348605**
								Say Total	**349000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

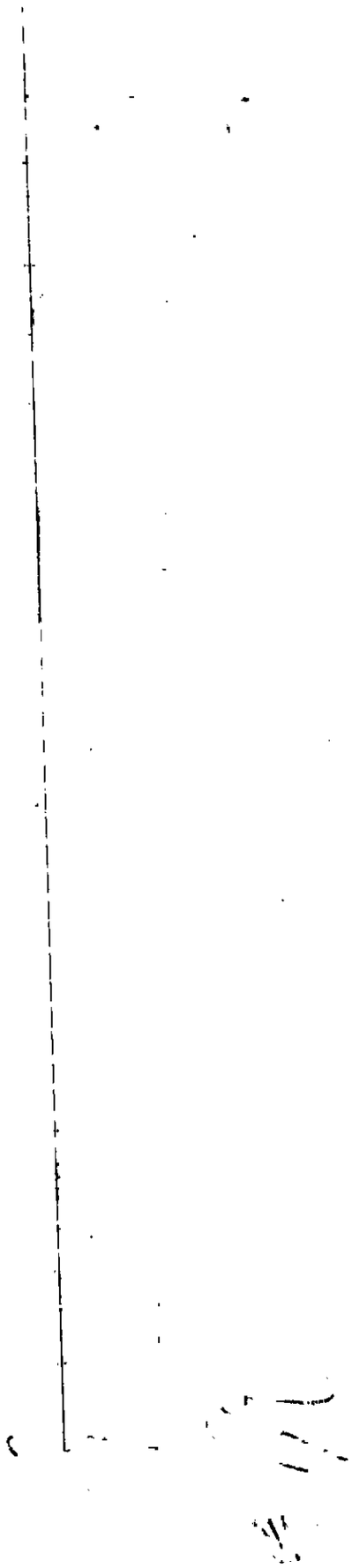
(46)

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
	Parapit	1	101 1/2		3 1/2	355			
		1	81		3 1/2	284			
		2	8 1/8		3 1/2	57			
		2	38 1/2		3 1/2	270			
					Total	1782	292.30	P.Sft	520879
18	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour **aluminium doors,** using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections ncluding the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. **2mm thick**								
	Main Entrance	1	10		9	90			
	Emergency Entrance	1	8		9	72			
					Total	162	756.50	P.sft	122553
19	Providing and fitting all types of glazed **aluminium windows** of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.								
	W2	3	4		6	72			
	W3	23	6		6	828			
					Total	900	606.50	P.sft	545850
B	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 size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.								
	Take qty item above		900			900			
					Total	900	688.35	P.sft	619515

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
20	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								
	W2	3	4		6	72			
	W3	23	6		6	828			
					Total	900	647.7	P.Sft	582,930
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: two coats on new surface:								
		1	101 1/2		14 1/2	1472			
		1	81		14 1/2	1175			
		2	8 1/8		14 1/2	236			
		2	38 1/2		14 1/2	1117			
					Net Total	4000	4685.25	%Sft	187410
22	P/F stainless steel non magenatic stair railing 2 3/4" high c/o 2" dia 18SWG pipe top hand rail w/o vertical balustrade of 1.5" wide 3/8" thick stainless steel double strip with stainless stud w/t fency reducer 2"x1/2" at top and ms tikki 3" dia 1/4" thick at bottom fixed on steps with holding down rawal bolt 3"x3/8" ms tikki coverd with articture al multi offset shape stainless cap 3" dia at bottom and reduce to 1.5" dia at top in 2" hight in horizontal cap 3" dia at bottom and reduced to 1.5" dia at top complete in all respects as approved by the engineer incharge								
	Ramp	4	12			48			
					Total	48	1775.10	P.Rft	85205
								Total	5096568
								Say Total	5097000

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin



70

Roof Treatment of the THQ Hospital Phalia

Sr. No	Description of Work	No.	Dimensions L	B	H	Qty	Rate	Unit	Amount
1	1 1/2" wide Expension joint treatment with polyurethane sealant chemaflex and backing up rod i/c cleaning/washing of roof before treatment including cost of labour, material and carriage complete in all respects as approved by the Engineer in charge.								
		2	46 5/8			93			
		1	50			50			
		1	58 3/4			59			
					Total	202	682.00	P.Rft	137764
2	Pacca brick work in ground floor:- cement, sand mortar:- 1:6								
		1	55	3/4	1 1/2	62			
		1	24	3/4	1 1/2	27			
		3	16	3/4	1 1/2	54			
					Total	143	27192.95	% Cft	38,852
3	Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and directed by the Engineer Incharge 3mm thick								
	Emergency block	1	216 1/2	37		8011			
		1	203 1/2	8 1/8		1653			
		1	20	7 5/8		153			
	OT/X-ray block	1	108	48 1/2		5238			
		1	34 3/4	9		313			
	Indore block	1	139 5/8	56 1/2		7889			
		2	6	6		72			
	Bath	2	20 1/2	9 1/4		379			
	Laundry	1	36 1/4	30 3/4		1115			
					Total	24822	76.55	P.Sft	1900119
4	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, complete in all respects:- Thermopore sheet 1" (25 mm) thick								
	Emergency block	1	216 1/2	37		8011			
		1	203 1/2	8 1/8		1653			
		1	20	7 5/8		153			
	OT/X-ray block	1	108	48 1/2		5238			
		1	34 3/4	9		313			
	Indore block	1	139 5/8	56 1/2		7889			
		2	6	6		72			
	Bath	2	20 1/2	9 1/4		379			

74

S.No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	L	B	H				
5	Dismantling glazed or encaustic tiles, etc.								
	OT's								
	Floor tile								
	store	1	8	13 1/2		108			
	privat room	1	16	13 1/2		216			
	store	1	6 5/6	13 1/2		92			
	Doc Room	1	7 11/12	9 1/4		73			
	Corridor	1	63 11/12	7 5/6		501			
		1	8	7		56			
		1	12	9 1/4		111			
	D3	6	3	3/4		14			
	D4	1	3 1/2	3/4		3			
	D5	1	4	3/4		3			
	D6	2	4 1/2	3/4		7			
	D7	2	5	3/4		8			
	Bath	1	7 11/12	3 5/6		30			
		1	7 2/3	13 1/2		103			
		1	8	7		56			
	OT's Skirting					0			
	store	2	8		4 1/2	72			
		2	13 1/2		4 1/2	122			
	privat room	2	16		4 1/2	144			
		2	13 1/2		4 1/2	122			
	store	2	6 5/6		4 1/2	61			
		2	13 1/2		4 1/2	122			
	Doc Room	2	7 11/12		4 1/2	71			
		2	9 1/4		4 1/2	83			
	Corridor	2	56 11/12		4 1/2	512			
		2	7		4 1/2	63			
		2	9 1/4		4 1/2	83			
	Bath	2	7 11/12		4 1/2	71			
		2	3 5/6		4 1/2	34			
		4	7 2/3		4 1/2	138			
		2	13 1/2		4 1/2	122			
		2	3 2/3		4 1/2	33			
		2	8		4 1/2	72			
		2	7		4 1/2	63			
						3369			
	Deduction of Openings								
	D2	1	2 1/2		4 1/2	11			
	D3	8	3		4 1/2	108			
	D4	2	3 1/2		4 1/2	32			
	D5	1	4		4 1/2	18			
	D6	4	4 1/2		4 1/2	81			
	D7	2	5		9	90			
	D7	1	5		4 1/2	23			
				Total b		362			
					Net Total	3006	1932.50	%Sft	58097
6	Dismantling brick work in lime or cement mortar.								
	B/Wall								
	N/Side (188-20x2)	1	148	3/4	7	777			
	S/Side	1	498	3/8	4	747			
	E/Side	1	827	3/8	4	1241			
	W/Side	1	561	3/8	4	842			
		1	180	3/8	4	270			
		1	119	3/8	4	179			
		1	244	3/8	4	366			

75

S.No.	Description of Work	Dimensions No.	L	B	H	Qty	Rate	Unit	Amount
				Total a		4580			
	Add 5% Foundation		4580	5%		229			
	Net Total					4809	3500.65	% Cft	168,346
7	Dismantling cement concrete einforced,. separating reinforcement from concrete, cleaning and straightening the same.								
	G.pillars	5	1 1/2	1 1/2	7	79			
	Façade (main enterance) roof	1	23	16 1/2	5/12	158			
	---do--- Columns	4	1 1/8	1 1/8	12	61			
					Total	298	14826.25	%cft	44182
8	Dismantling brick work in lime or cement mortar.								
	dangerous Parapit	1	55	3/4	1 1/2	62			
		1	24	3/4	1 1/2	27			
		3	16	3/4	1 1/2	54			
	Fornt Parapit (façade)	1	101 1/2	3/4	1 1/2	114			
	---do---	1	81	3/4	1 1/2	91			
	---do---	1	8 1/8	3/4	1 1/2	9			
	---do---	1	38 1/2	3/4	1 1/2	43			
	Net Total				Total	400	3500.65	% Cft	13,998
								Total Rs:-	**633,354**
								Say Rs	**633000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(76)

CREDIT OF OLD MATERIAL

Sr. No.	Description of Work	Dimensions				Qty	Rate	Unit	Amount
		No.	L	B	H				
1	Old Bricks 9"x 4 1/2"x 3" Partially serviceable		400	13.50	60%	3239			
			4,809	13.50	60%	38953			
					Total	42192	4500	%oNos	189864
B	Old Bats unserviceable								
			400		40%	160	Cft		
			4,809		40%	1924			
					Total	2084	2500	% Cft	52100
2	Old Bricks tiles 9"x 4 1/2"x 1.5" partially serviceable		23,707	3.50	60%	49785			
					Total	49785	4000	%oNos	199140
B	Old Bats unserviceable (old kluur eaten not reuseable in masonary work)								
			23,707	0.125	40%	1185	Cft		
					Total	1185	2000	% Cft	23700
3	Old G.I pipe 4" dia unserviceable totally rusted								
		60				60	Rft		
						60	60	P.Rft	3600
3	Old Steel completely unserviceable received from dangerous building								
	OHRW	680		x4.5x.453		1385.85	kg		
	B/Wall	79		x4.5x.453		161.042	kg		
	Façade	298		x4.5x.454		607.473	kg		
						2154.37	5600	%Kg	120645
4	Old Steel stair unsrviceable received from dangerous building								
		1	60.00			60	Rft		
					Total	60	270	P.Rft	16200
5	Old solid flush door reserviceable								
		25	No			25	No		
					Total	25	2500	Each	62500
5	Aluminum door reuseable								
		1	No			1	No		
					Total	1	3500	Each	3500
6	Old Aluminum windows reuseable after repairing								
		26	No			26	No		
						26	2500	Each	65000
6	Old windows unserviceable								
		7	No			7	No		
						7	700	Each	4900
4	Old Precast girder recoverd from b/wall unserviceable								
		210	No			210	No		
					Total	210	50	Each	10500

(77)

4	Old Steel Gate reuseable received								
	10x6	2	No			2	No		
					Total	2	16000	Each	32000
	4x6	1	No			1	No		
					Total	1	3500	Each	3500
							Total		**932312**
							Say Rs		**932000**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(78)

LEAD CHART

Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

Sargodha Quarry to THQ Hospital Phalia					
S.No	Description	Length	Unit	Rate	Amount
1	1st Km	1	KM	255.3	255.3
2	2nd Km	1	KM	118.75	118.75
3	3rd Km	1	KM	89.5	89.5
4	4th Km	1	KM	61.15	61.15
5	5th Km	1	KM	56.45	56.45
6	6th Km	1	KM	55.35	55.35
7	7th Km	1	KM	51.05	51.05
8	8th Km	1	KM	50.4	50.4
9	9th Km	1	KM	46.9	46.9
10	10th Km	1	KM	43.4	43.4
11	11th Kms to 200Kms	102	KM	35.1	3580.2
				Total	4408.45
			Rate P.Cft	4408.5 x.88/100	38.79

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(79)

LEAD CHART

Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

Sargodha Quarry to THQ Hospital Phalia						
S.No	**Description**	**Length**		**Unit**	**Rate**	**Amount**
1	1st Km	1		KM	255.3	255.3
2	2nd Km	1		KM	118.75	118.75
3	3rd Km	1		KM	89.5	89.5
4	4th Km	1		KM	61.15	61.15
5	5th Km	1		KM	56.45	56.45
6	6th Km	1		KM	55.35	55.35
7	7th Km	1		KM	51.05	51.05
8	8th Km	1		KM	50.4	50.4
9	9th Km	1		KM	46.9	46.9
10	10th Km	1		KM	43.4	43.4
11	11th Kms to 200Kms	102		KM	35.1	3580.2
					Total	4408.45
					Rate %Cft	**4408.45**

Sub Divisional Officer
BuildingsSub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

ANALYSIS OF RATES

1 1/2" wide Expension joint treatment with polyurethane sealant chemaflex and backing up rod i/c cleaning/washing of roof before treatment including cost of labour, material and carriage complete in all respects as approved by the Engineer in charge.

UNIT RATE P.RFT

		Qty		Rate	Unit	Amount
A	**MATERIAL**					
i	Expansion joint treatment of 1 ½ " wide with Polyurethane Sealant					
	1x10	10				
	5% wastage	0.5				
	Total (579.15=495+495*17%)	10.5	Sft	579.15	P.Rft	6081
				Total		**6081**
	10% Contractor profit					**608**
				Total		**6689**
B	**LABOUR**					
i	Cleaning and washing of Joints	10	Rft	10	P.Rft	100
				Total		100
	Sundries 5%					5
				Total		105
	10% over head charges+10% Contractor profit					21
				Total		126
	ITEM RATE					
	Composit Rate %Sft					6815
	Composit Rate P.Sft					**681.52**
				Say Rs	**P.Rft**	**682.00**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the MRS, 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022) DISTRICT MANDI BAHAUDIN

Sub Divisional Officer
Buildings Sub Division
Phalia

Executive Engineer
Buildings Division
Mandi Bahauddin

(81)

Rate Analysis for

Providing and fixing transparent fiber glass roofing/shed with the whole frame of anodised bronze colour Aluminium frame 100mm x 30mm x 1.6mm (Champ) and 5 ply transparent (maximum transparent) fiber glass sheet i.c triangular gola and rubber gasket to support the glass, using approved standard fittings, and hardware any required complete in all respects as as approved by the engineer in-charge. 2mm thick.

	Detail	Unit Rate P.Sft.				
		Quantity		Rate per unit (Rs)		Amount
	For Analysis ((10x10=100 Sft)					
	MATERIAL					
1	Aluminum frame 100mm x 30mm x 2mm (Champ) 25.061 hz frame 3x10 =30 Rft Vertical 3x10 =30 Rft Total =60 Rft Add 5% Wastage =3 Total =63Rft	63.00	Rft	575	P.Rft	36225.00
7	Aluminiun triangular gola (25.053) 4x10 =40 Rft Total =40 Rft Add 5% Wastage =2 Total =42 Rft	42.00	Rft	14	P.Rft	588.00
	Leaf Frames Section					
10	Fiber glass 3 mm imported quality (max transparent) 1x10x10 =100 Sft Add 5% Wastage =5 Total =105Sft	105.00	Sft	280	P.Sft	29400.00
13	Cost of Hard Ware	L.S				600.00
	Total					66813.00
	Contractor's Profit & Ove 20 Percent -					13362.60
	Total					**80175.60**
	Labour					
	i). Blacksmith (LB-028)	1	Nos	1050	P.Day	1050
	ii).Un skilled Coolies (LB-015)	2	Nos	780	P.Day	1560
	iii). helper (LB-061)	0.5	No	780	P.Day	390
					Total	3000.00
	10% Sundries Charges					300.00
	Contractor's Profit & Ove 20 Percent -					600.00
	Total					3900.00
	Item Rate					
	Labour Rate P.Sft	45.88				
	Composite Rate for 85 Sft					84075.60
	Composite Rate P.Sft	84075.60				989.12
		85				
				Say Rs.	**989.00**	**P.Sft**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the MRS, 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022) DISTRICT MANDI BAHAUDIN

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.

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO21010608
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		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:LO21010608
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		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**

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

10. 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	59.000	25.690	2.184	3.488	3.830	7.208	101.400
Utilization	33.856	25.516	2.094	1.985	3.766	0.733	67.952

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	30.000	20.000	50.000
Utilization	0	0	0	0	29.996	0.000	29.996

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

11.3 PACT ANALYSIS

.

11.4 ECONOMIC ANALYSIS

Impact of Delays on Project Cost and Viability

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

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

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

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

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

.

12.3 IMPLEMENTATION PLAN

.

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

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

.

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of New Management Structure is available in PC-I

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

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

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

Prepared By:

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

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

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

Checked By:

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

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

Approved By:

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

17. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Phalia District Mandi Baha-ud-Din

20. MARGINALISATION OF PC-1

SR.NO.	CRITERIA	YES/NO	COMMENTS
Description & Objectives			
1	does the pc-i specify link/alignment with punjab growth strategy, punjab spatial strategy (if relevant) & sustainable development goals?	NO	
2	do project objectives/justification include focus on marginalised groups (women, pwds, minorities, transgender, poor etc.)?	NO	
Use of Gender Disaggregated Data			
1	has gender disaggregated data been used to determine need for the project? if yes, identity the source. if not, what additions/observations have been made to strengthen the pc-i?	NO	
2	was gender disaggregated data used to identify potetialimpact of the project on selected beneficiaries?	NO	
Social Impact			
1a	have marginalised groups been included as beneficiaries of the project?	NO	
1b	if yes, does the pc-1 specify a specific quota/percentage for the marginalised (women, peds, etc.)?	NO	
2	does the pc-1 include specific provisions for capacity building / training of women (if applicable)?	NO	
Results Based Monitoring			
1a	does the pc-i include a results based monitoring framework (rbmf)/logical framework?	NO	
1b	if yes, does the framework include measurable targets relating to impact on marginalised groups?	NO	
2	were sdg indicators used for determining targets included in the pc-i?	NO	
3	was gender disaggregated data used to establish baseline and develop quantifiable targets/key indicators?	NO	
4	if yes, identify the source/refresh institute(s)?	NO	
Inculsion/Participation			
1	was female representation ensured in planning and adp formulization?	NO	
2a	was stakeholder consultation held during adp formulization and/or pc-idevelopment?	NO	

2b	if yes, did the consultation include experts and representatives of marginalised groups and csos?	NO	
3	was participation of representatives of marginalised groups ensured in pc-1 rist assessment planning?	NO	
Monitoring & Evaluation			
1	does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO	
2a	does the project include formation of a steering committee and/or project implementation committiees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	