PC-1

Revamping of THQ Hospital, Pindi Bhattian District Hafizabad

ORIGINAL APPROVED COST	**PKR Million. 285.470/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Pindi Bhattian District Hafizabad

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. HAFIZABAD

2.2. TEHSIL(S)

I. PINDI BHATTIAN

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5227
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** The scheme will be financed out of block scheme included in ADP 2022-23 at G.S. No. 660 with an allocation of Rs.1300 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 2^{nd} 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 <u>water filtration plant</u> is proposed accordingly. For ease of patients, <u>drinking water supply network</u> 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 <u>express line or dual electrical supply</u> in all hospitals under revamping. Despite these two facilities based, on the current and proposed electrical load of hospital <u>new transformers were proposed</u> to step down the voltage to desired level and complete generator backup system was designed and <u>generators along with automatic transfer switches</u> 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 <u>pole lights</u> to lighten up the pathways and <u>garden lights</u> 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 <u>Access towards the Emergency Department</u>

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 <u>Medical Infrastructure Emergency:</u>

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 <u>General Building Interventions</u>:

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 <u>Monitoring and Quality Assurance (Process Interventions)</u>

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 <u>MSDS (Minimum Service Delivery Standards)</u>

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 <u>Video Surveillance through CCTVs</u>

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 <u>Medicine Store</u>

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 <u>Day Care Center</u>

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.

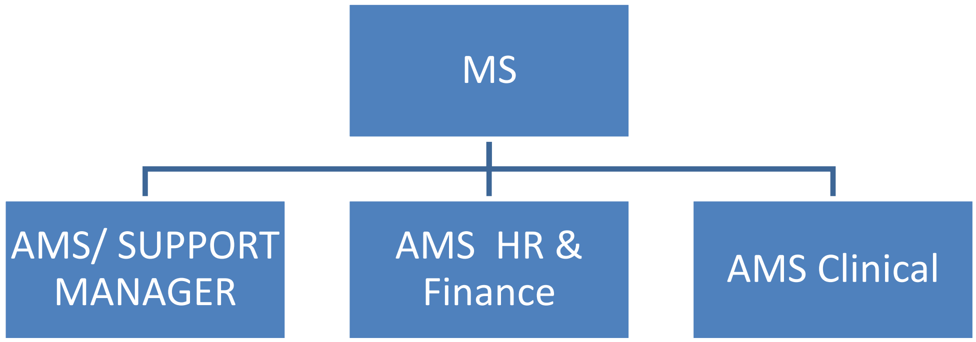
5.4.5 Security

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

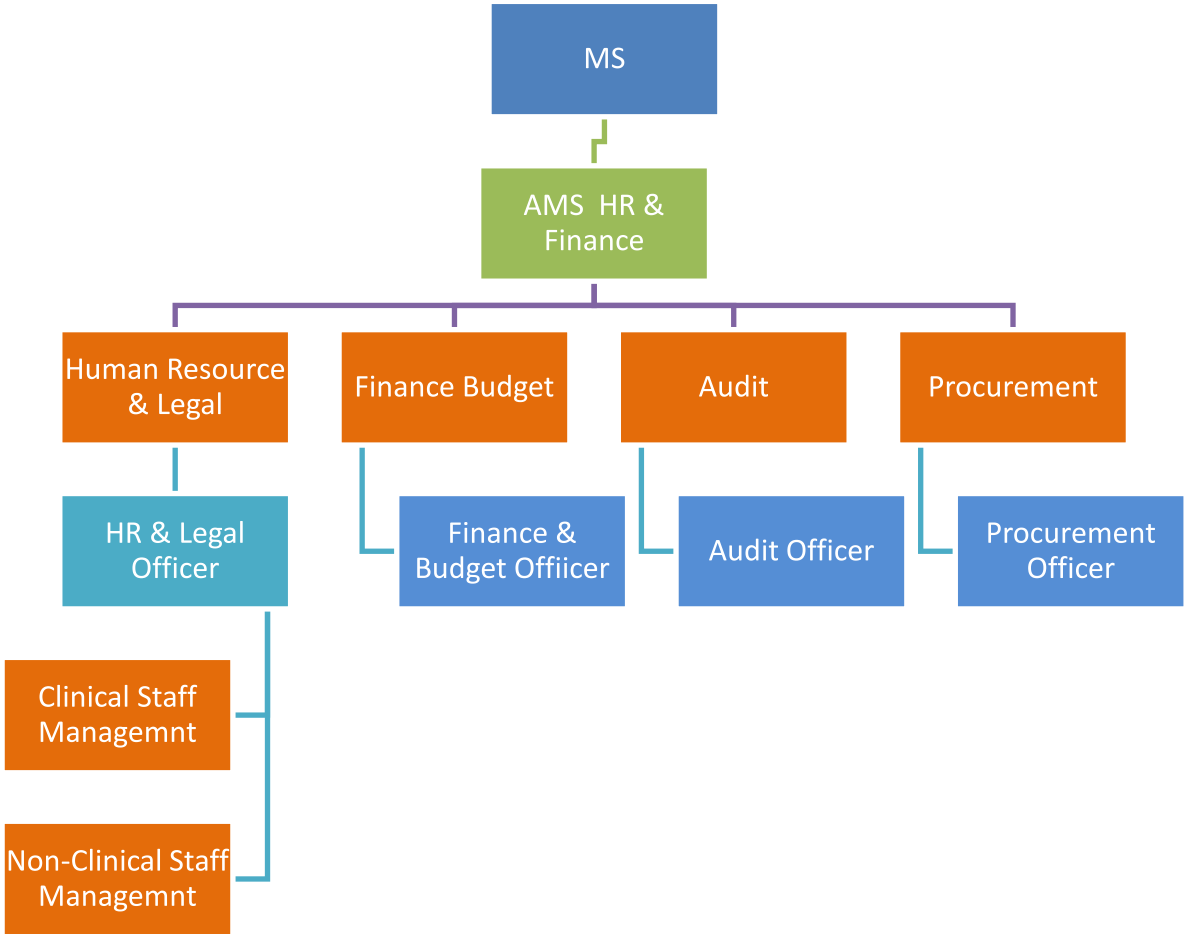
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

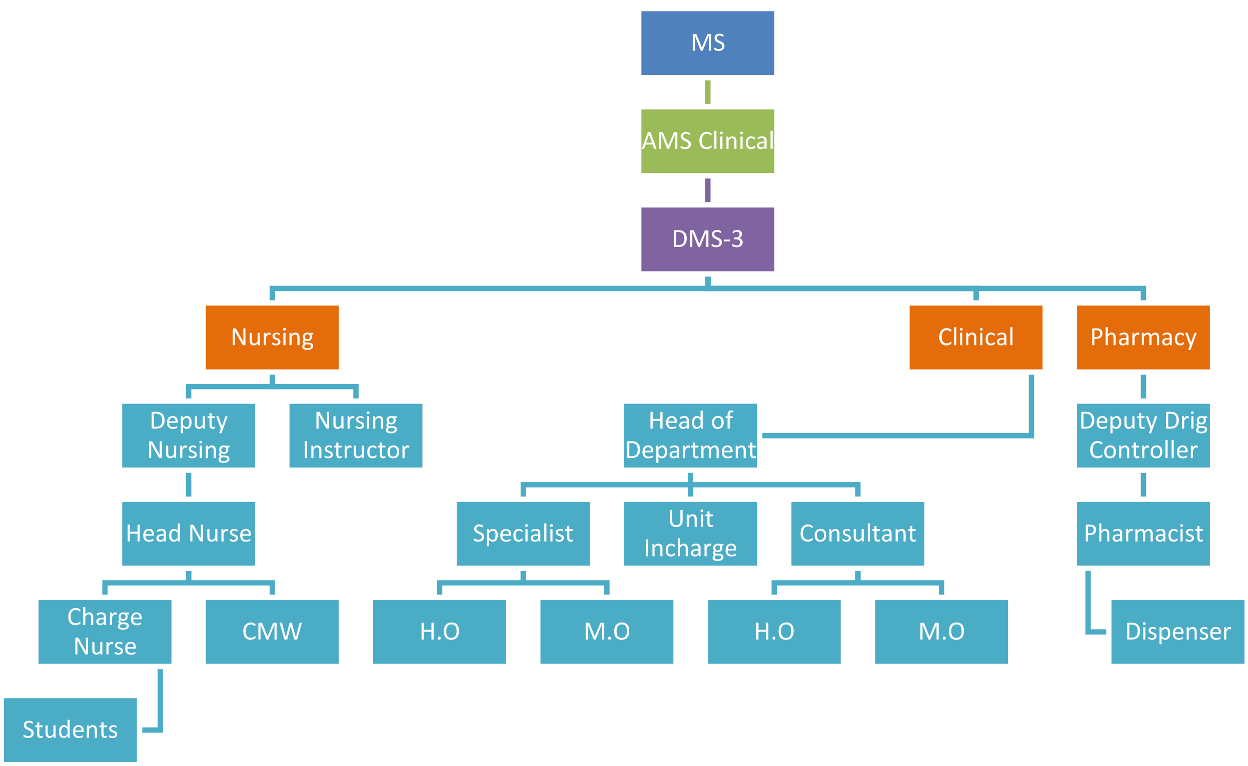
New Organogram of Hospital



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 <u>Admin Officer</u>

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.

<u>Eligibility Criteria</u>

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 <u>Human Resource Officer</u>

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

<u>Eigibility Criteria</u>

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 <u>IT/Statistical Officer</u>

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.

<u>Eligibility Criteria</u>

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 <u>Objectives</u>

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 <u>Scope of Work</u>

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 <u>Reporting Arrangements</u>

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

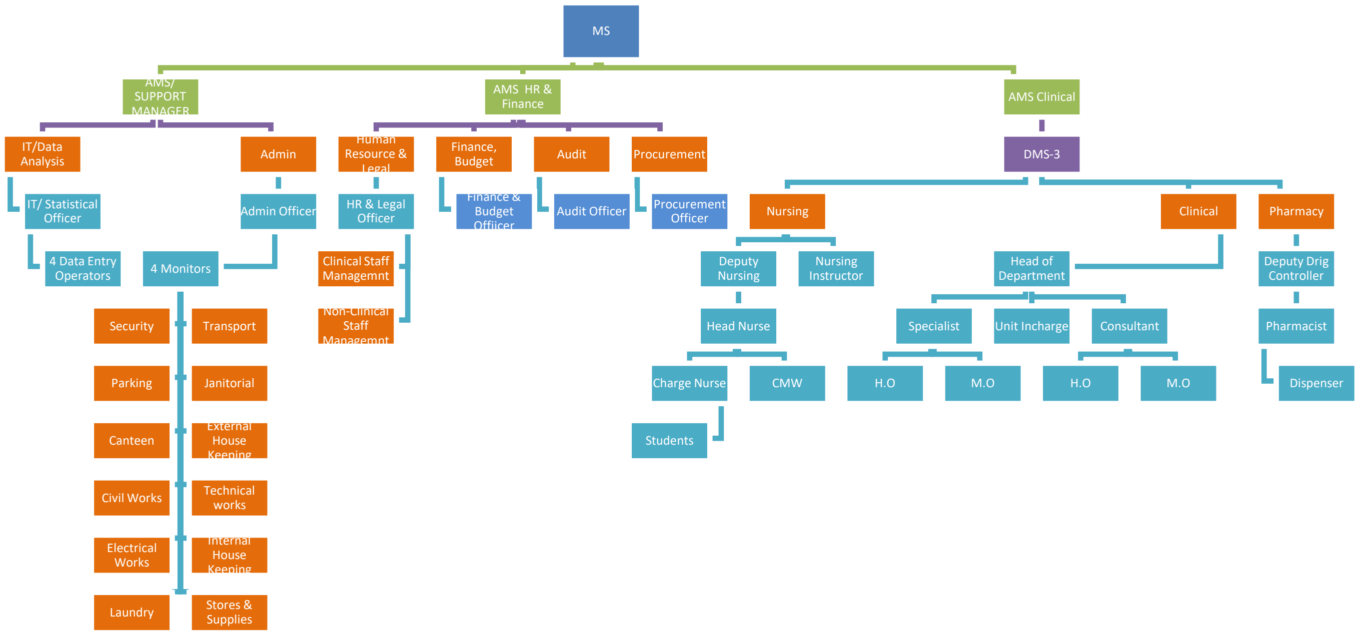
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

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

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

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

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

The Government of the Punjab, Primary & Secondary Healthcare Department is in the process of undertaking number of initiatives to improve health care delivery system in the province. The Government of the Punjab is firmly committed to provide health care services at the doorstep of the community through integrated approach. A number of projects to improve emergency health care service particularly targeting on the promptness and quality have been initiated. Although major focus is on disease prevention and health promotion strategies by providing specialist health care services to victims of various diseases in the patients is one of the top most priority. The instant project will be a major wing to health department with line departments.

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Pindi Bhattian District Hafizabad is more than 0.527 million. The area of the THQ Hospital Pindi Bhattian District Hafizabad is 208,752 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 Pindi Bhattian District Hafizabad.

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

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

Justification for 3rd Revision of PC-I

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

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

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

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

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

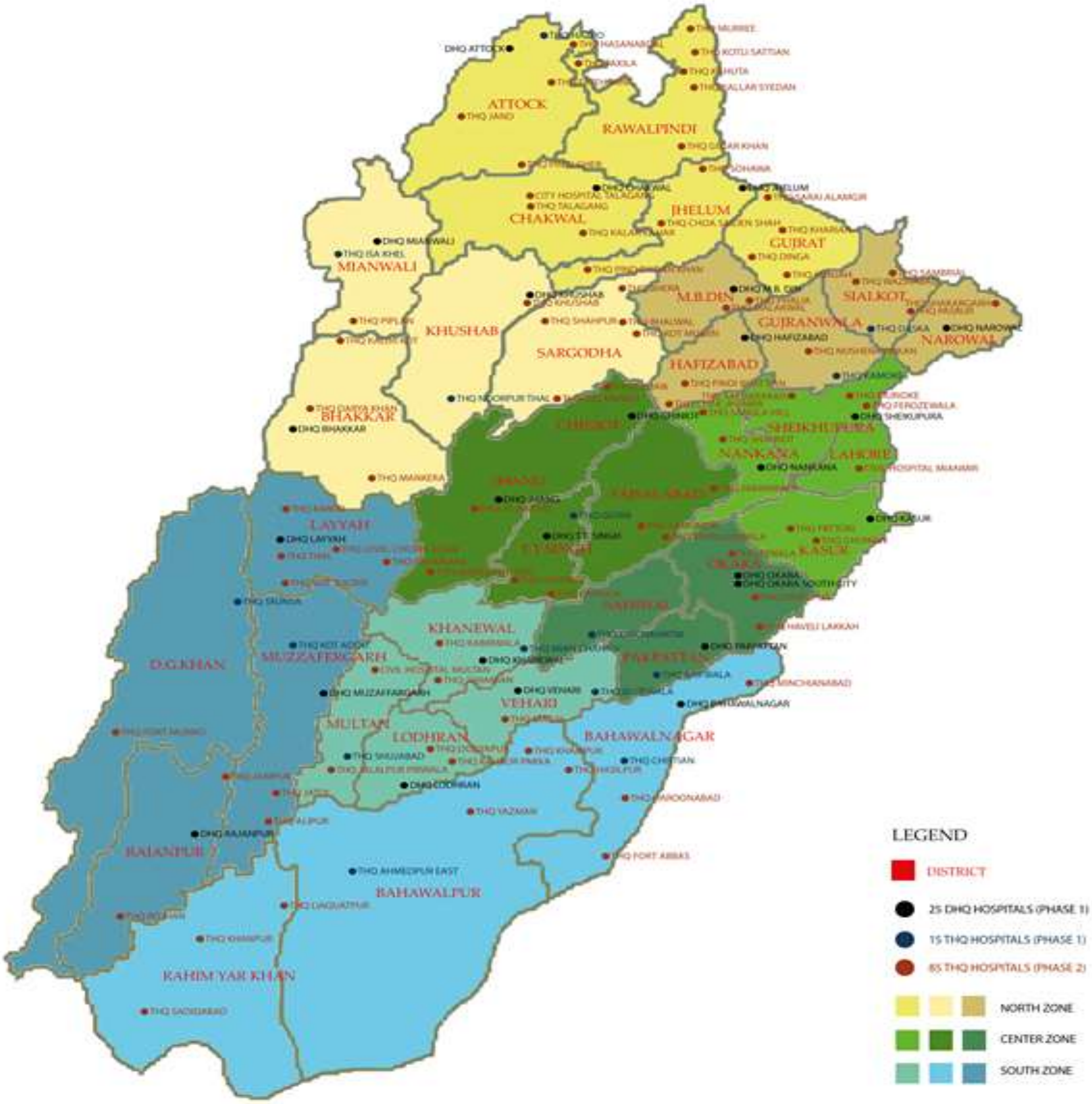
4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 71.599 million to Rs. 47.940 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17010551
A/C To be Credited: Assan Assignment

PKR Million

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

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010031
A/C To be Credited: Account-I

PKR Million

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

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

Abstract of Cost

Name of THQ Hospital	Pindi Bhattian											
Scope of work	**Cost in million**											
	Original			**1st Revised**			**2nd Revised**			**3rd Revised**		
	Capital	**Revenue**	**Total**	**Capital**	**Revenue**	**Total**	**Capital**	**Revenue**	**Total**	**Capital**	**Revenue**	**Total**
Capital component												
Internal Development	0.000	8.768	8.768	0.000	8.768	8.768	26.654	3.000	29.654	13.197	3.000	16.197
External Development	0.000	1.240	1.240	0.000	1.240	1.240	43.595	0.000	43.595	31.457	0.000	31.457
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	1.350	0.000	1.350	3.286	0.000	3.286
Total Capital Component	**0.000**	**15.609**	**15.609**	**0.000**	**15.609**	**15.609**	**71.599**	**3.000**	**74.599**	**47.940**	**3.000**	**50.940**
Emergency	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	45.411	45.411	0.000	45.411	45.411	0.000	62.423	62.423	0.000	99.053	99.053
Electricity	0.000	11.300	11.300	0.000	11.300	11.300	0.000	11.900	11.900	0.000	18.900	18.900
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.035	3.035	0.000	3.035	3.035	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	39.940	39.940	0.000	56.577	56.577
LC Deficit during procurement (currency fluctuation)								1.735	1.735		1.735	1.735
Total Revenue component	**0.000**	**115.232**	**115.232**	**0.000**	**115.232**	**115.232**	**0.000**	**161.741**	**161.741**	**0.000**	**234.482**	**234.482**
Outsourcing component												
Janitorial Services	0.000	12.317	12.317	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.595	5.595	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.920	1.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.764	3.764	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	1.767	1.767	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	**0.000**	**36.410**	**36.410**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**
Total	**0.000**	**167.250**	**167.250**	**0.000**	**130.888**	**130.888**	**71.599**	**164.789**	**236.388**	**47.940**	**237.530**	**285.470**
Contingency (1%) only on Civil Component	0.000	0.155	0.155	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	1.673	1.673	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	1.673	1.673	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**170.750**	**170.750**	**0.000**	**130.888**	**130.888**	**71.599**	**164.789**	**236.388**	**47.940**	**237.530**	**285.470**

Internal development

	Original					Revised				
Scope of Work	**Quantity**		**Unit Cost**		**Cost in millions**	**Quantity**		**Unit Cost**		**Cost in millions**
Flooring and Skirting										
Covered area of hospital excluding emergency	26,976	sft				26,976	sft			
Area of emergency	2,755	sft				2,755	sft			
Total covered area	29,731	sft				29,731	sft			
Cost of granite flooring	7,477	sft	177	per sft	1.323	7,477	sft	177	per sft	1.323
Cost of granite skirting	9,750	sft	212	per sft	2.067	9,750	sft	212	per sft	2.067
Dismantling of tiles	-	sft	70	per sft	0.000	-	sft	70	per sft	0.000
Sub total (Flooring & Skirting)					**3.390**					**3.390**
Improvement of ramps										
Total length of ramp	-	Rft				-	Rft			
Total area of ramp	-	sft				-	sft			
Cost of coarse grained tile on ramp area	-	sft	200	per sft	0.000	-	sft	200	per sft	0.000
Cost of hand/guard railing on ramps	-	R ft	815	per rft	0.000	-	R ft	815	per rft	0.000
Total length of stairs	-	Rft			0.000	-	Rft			0.000
Marble slab fixture on stairs	-	sft	200	per sft	0.000	-	sft	200	per sft	0.000
Cost of hand/guard railing on stairs	-	R ft	815	per rft	0.000	-	R ft	815	per rft	0.000
Connection between Old and New Block	-	sft	2,000	per sft	0.000	-	sft	2,000	per sft	0.000
Sub total (Improvement of Ramps)					**0.000**					**0.000**
Internal paint and PVC wall paneling										
Total area to be painted	56,795	sft				56,795	sft			
Total cost of area to be painted	56,795	sft	10	per sft	0.567	56,795	sft	10	per sft	0.567
Total area requiring PVC paneling	-	sft			0.000	-	sft			0.000
Total cost of PVC paneling	-	sft	330	per sft	0.000	-	sft	330	per sft	0.000
area requiring for steel cladding of columns	-	sft			0.000	-	sft			0.000
cost requiring for steel cladding of columns	-	sft	600	per sft	0.000	-	sft	600	per sft	0.000
Sub total (Paint and PVC)					**0.567**					**0.567**
Low Epoxy paint										
Area of operation theaters and ICU cum CCU	-	sft				-	sft			
Area of Gynae/Labour	-	sft				-	sft			
cost of low epoxy paint	-	sft	1,000	per sft	0.000	-	sft	1,000	per sft	0.000
Sub total (Low Epoxy Paint)					**0.000**					**0.000**
Façade improvement										
Addition of portico infront of main building	-	sft	2,000		0.000	-	sft	2,000		0.000
Cost of Gutka tile	-	sft	190	per sft	0.000	-	sft	190	per sft	0.000
Number of entrance/side and junction doors	7	doors			0.000	7	doors			0.000
Cost of entrance doors	196	sft	536	per sft	0.105	196	sft	536	per sft	0.105
Number of façade windows	6	windows			0.000	6	windows			0.000
Cost of façade windows	216	sft	752	per sft	0.162	216	sft	752	per sft	0.162
Sub total (Façade Improvement)					**0.267**					**0.267**
Internal Fixtures										
Total number of internal doors		Nos					Nos			
PVC Doors	665	38 in No.(sft)	240	per sft	0.160	665	38 in No.(sft)	240	per sft	0.160
Hollow Core Flush Shutters	113	18in No (sft)	536	per sft	0.061	113	18in No (sft)	536	per sft	0.061
Number of doors requiring repair/repolishing	7		4,500	per door	0.032	7		4,500	per door	0.032
Total number of internal windows	75				0.000	75				0.000
Total area of internal windows requiring replacement	563	sft	401	per sft	0.226	563	sft	401	per sft	0.226
Total area of internal windows requiring repair	675		300		0.203	675		300		0.203
Total area of corridor grills requiring repair work	675	sft	80		0.054	675	sft	80		0.054
New installation of corridor grills	-	sft	183	per sft	0.000	-	sft	183	per sft	0.000
Number of wards	5	Nos			0.000	5	Nos			0.000
number of existing nursing counters	2	Nos			0.000	2	Nos			0.000
Addition of new nursing counters	1	Nos			0.000	1	Nos			0.000
Cost of nursing counter	-	Nos	50,000	per counter	0.000	-	Nos	50,000	per counter	0.000
Number of blocks	1	Nos			0.000	1	Nos			0.000
Number of reception counters	-	Nos	100,000	per counter	0.000	-	Nos	100,000	per counter	0.000
Sub total (Internal Fixtures)					**0.735**					**0.735**
Internal electrification										
Total covered area	26,976					26,976				
Number of LED lights required	67.44					67.44				
cost of LED Lights as per plan	45	Nos	6,500	per LED	0.293	45	Nos	6,500	per LED	0.293
Internal Wiring and Distribution boxes	1	Job	0.50	per Job	0.500	1	Job	0.50	per Job	0.500
Sub total (Internal Electrification)					**0.793**					**0.793**
Addition/Alteration in building										

Internal development

	Original					Revised				
Scope of Work	**Quantity**		**Unit Cost**		**Cost in millions**	**Quantity**		**Unit Cost**		**Cost in millions**
For Dialysis					0.100					0.100
For emergancy					0.250					0.250
For Yellow Room	-				0.050	-				0.050
For mortuary					0.050					0.050
For Pantries					0.000					0.000
For QMS/EMR					0.000					0.000
For Triage					0.000					0.000
For Medicine Stores					0.000					0.000
For Waiting area					0.000					0.000
For Dispensaries					0.000					0.000
for link passages					0.000					0.000
For nursing counters					0.050					0.050
For reception counters					0.050					0.050
For external paint					1.500					1.500
For gate and gate pillars (with gantry)					0.100					0.100
For Guard rooms					0.000					0.000
Sub total (Addition/Alteration)					**2.150**					**2.150**
Special repair work of building										
Roof Insulation for dampness control (Dismantling of existing tiles, Jambolan and provision of new tiles)	-	sft	150	per sft	0.000	-	sft	150	per sft	0.000
Khuras on roof	8	Nos	443	per No	0.004	8	Nos	443	per No	0.004
cost of repair of false ceiling		sft		per sft	0.000		sft		per sft	0.000
Other repairs					0.000					0.000
Total length requiring of L-Section steel for edge protection	7	rft			0.000	7	rft			0.000
L-Section on turning points on walls	35	rft	136	per rft	0.005	35	rft	136	per rft	0.005
Total cost of L-Section steel for edge protection	-	rft		per rft	0.000	-	rft		per rft	0.000
Total insulation length on construction joints		rft		per rft	0.000		rft		per rft	0.000
Total cost of insulation on construction joints	-	rft		per rft	0.000	-	rft		per rft	0.000
PVC Rain water pipes	96	rft	267	per rft	0.026	96	rft	267	per rft	0.026
Sub total (special repair)					**0.034**					**0.034**
Toilet block/Lavatories										
Number of existing toilet blocks	12	Nos (3 units per block)				12	Nos (3 units per block)			
Cost of new toilet block	-	blocks	425,000	per block (3 units)	0.000	-	blocks	425,000	per block (3 units)	0.000
Number of toilet blocks to be renovated	7				0.000	7				0.000
Required flush tanks, seats and tap	21	units	35,000	per unit	0.735	21	units	35,000	per unit	0.735
Required Basins	14	units	6,954	per basin	0.097	14	units	6,954	per basin	0.097
Sub total (Toilet Block/Lavatories)					**0.832**					**0.832**
Removal/Dismantaling of old structures										
Removal of walls	-	cft	24	per cft	0.000	-	cft	24	per cft	0.000
Sub total (dismantling)					**0.000**					**0.000**
Total (Internal Development)					**8.768**					**8.768**

External Development

Scope of Work	Original Quantity		Original Unit Cost		Original Cost in millions	Revised Quantity		Revised Unit Cost		Revised Cost in millions
Area of Complex	**238,483**	**sft**				**238,483**	**sft**			
Asphalting of Internal Roads										
Total area of internal roads and P.C.C.	13,108	sft				13,108	sft			
area of roads requiring asphalt	-	sft	62.61	per sft	-	-	sft	62.61	per sft	-
Tough paver	5,272	sft	118	per sft	0.622	5,272	sft	118	per sft	0.622
P.C.C to be dismantled		cft	62.49	per cft	-		cft	62.49	per cft	-
P.C.C to be relaid		cft	198.76	per cft	-		cft	198.76	per cft	-
Sub total (Ashpalting)					**0.622**					**0.622**
External platforms										
Total Tough Paver area	16,200					16,200				
Relaying of tougher paver (where required)	1,620	sft	10	per sft	0.016	1,620	sft	10	per sft	0.016
Other area requiring tough paver	-	sft	88.7	per sft	-	-	sft	88.7	per sft	-
Construction of missing boundry wall		cft	189.06	per cft	-		cft	189.06	per cft	-
Sub total (Flooring)					**0.016**					**0.016**
Sewerage system										
Total length of sewarage system		rft		per rft			rft		per rft	
Length of sewrage system requiring relaying		rft		per rft			rft		per rft	
Length of sewrage system requiring rehablitation		rft		per rft			rft		per rft	
Total cost of relaying and rehabilitation	-				0.200	-				0.200
Sub total (Sewerage)					**0.200**					**0.200**
Water supply system										
Available OHR size	10,000	Gallons				10,000	Gallons			
Proposed OHR size		Gallons		**per gallon**			Gallons		**per gallon**	
Required additional length of water distribution line		rft					rft			
Required additional length of drinking water distribution lines	470	rft	219	per rft	0.103	470	rft	219	per rft	0.103
Proposed Turbine		cusecs		per cusecs	-		cusecs		per cusecs	-
Water pump and storage tank					-					-
Sub total (Water Supply)					**0.103**					**0.103**
External Electrification										
Area of roads and ROW	13,108	sft				13,108	sft			
Number of poles required for roads and ROW	7	poles	38,423	per pole	0.269	7	poles	38,423	per pole	0.269
Area of lawns requiring electrification	9,132	sft			-	9,132	sft			-
Number of garden lights	1.00	lights	10,000	per light	0.010	1.00	lights	10,000	per light	0.010
Total resistive load of hospital					-					-
Sub total (External Electrification)					**0.279**					**0.279**
Waiting area										
Internal waiting area										
Number of beds of hospital	60					60				
Monthly OPD of hospital	-	persons				-	persons			
Daily OPD of hospital	-	persons				-	persons			
Expected number of visitors during peak hours	60.00	persons				60.00	persons			
Number of benches required	20	benches				20	benches			
Number of indoor benches in internal waiting area	20	benches				20	benches			
Sub total (Internal Waiting Area)					**-**					**-**
External waiting area										
Area required for waiting shed	517.50	sft				517.50	sft			
Existing area of waiting sheds	-	sft				-	sft			
Minimum Area of proposed waiting shed	518	sft				518	sft			
Approximate area of waiting shed	-	sft				-	sft			
Number of outdoor benches in proposed waiting area	15	benches				15	benches			
Cost of external waiting shed	-	sft	700	per sft	-	-	sft	700	per sft	-
Sub total (External Waiting Area)					**-**					**-**
Improvement of Parking area										
Expected number of motorcycles	30	bikes				30	bikes			
Area required for parking of bikes	720	sft				720	sft			
Expected number of motor cars	5	cars				5	cars			
Area required for parking of motor cars	1,120.00	sft				1,120.00	sft			
Total area of parking		sft					sft			
Approximate area of parking		sft					sft			
Fixutre of barriers	1	units	20,000	per unit	0.020	1	units	20,000	per unit	0.020
Preparation of road(rehandling and compaction)	-	Cft	8	per cft	-	-	Cft	8	per cft	-
Sub-Base for parking	-	Cft	47.33	per cft	-	-	Cft	47.33	per cft	-
Tough paver for pakring lot	-	sft	118	per sft	-	-	sft	118	per sft	-
Sub total (Parking)					**0.020**					**0.020**
Total (External Development)					**1.240**					**1.240**

Water filtration plant			
		Original	**Revised**
Sr. No.	**Description**	**Cost (in Million)**	**Cost (in Million)**
	Electro-Mechanical Works	2.366	2.366
1	(Installation of Small Tube Well, UF Plant 2000 Liter Per Hour capacity)with Arsenic removal facility		
	CIVIL WORKS	0.618	0.618
2	(Plant Room and Other Allied Items)		
	OPERATION & MAINTENANCE CHARGES		
3	(Electricity Charges + HR Charges + Minor repair / replacement) For 5-Years)	2.222	2.222
	Sub-Total	**5.207**	**5.207**
4	Miscellenious work	0.393	0.393
	Grand Total	**5.600**	**5.600**

MSDS

		Original			1st Revised			2nd Revised		
Sr. No.	**ITEM DESCRIPTION**	**Quantity Required**	**Actual Unit Price**	**Actual Total Cost(Rs)**	**Quantity Required**	**Actual Unit Price**	**Actual Total Cost(Rs)**	**Quantity Required**	**Actual Unit Price**	**Actual Total Cost(Rs)**
1	Histology slide boxes	3	3,100	9,299	3	3,100	9,299	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	Safe Transportation Boxes	2	15,750	31,500	2	15,750	31,500	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
5	Centrifuge Machine	0	149,336	-	0	149,336	-	0	250,000	-
6	Hot plates	2	26,250	52,500	2	26,250	52,500	2	45,000	90,000
7	Water bath	1	157,500	157,500	1	157,500	157,500	1	157,500	157,500
8	Complaint boxes	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
10	Sensitometer	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
12	Box of Films	2	26,250	52,500	2	26,250	52,500	2	30,000	60,000
13	Aluminium Step Wedge	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
15	Brass or copper mesh screen	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	-
17	Statures	0	67,830	-	0	67,830	-	0	75,000	-
18	Blood Warmer	3	246,750	740,250	3	246,750	740,250	3	275,000	825,000
19	Sequence Compression Device	2	210,000	420,000	2	210,000	420,000	2	230,000	460,000
20	Blood Bank Refrigerators with	0	682,500	-	0	682,500	-	0	700,000	-
21	Data Coder	1	84,000	84,000	1	84,000	84,000	1	100,000	100,000
22	Plasma Separator 1	0	4,200,000	-	0	4,200,000	-	0	4,500,000	-
23	Blood Storage Cabinet	1	682,500	682,500	1	682,500	682,500	1	700,000	700,000
24	Resuscitation Trolley	0	244,733	-	0	244,733	-	0	400,000	-
25	Ultra sound machine gyne	0	1,403,325	-	0	1,403,325	-	0	1,700,000	-
26	Delivery Table	0	47,250	-	0	47,250	-	0	47,250	-
27	Height and weight scale	4	8,400	33,600	4	8,400	33,600	4	10,000	40,000
28	Suction Electronic	0	259,350	-	0	259,350	-	0	275,000	-
29	Fetal Heart Rate Detector	1	144,375	144,375	1	144,375	144,375	1	175,000	175,000
30	Ambo bag	0	17,325	-	0	17,325	-	0	19,000	-
31	Neonatal size face mask	4	578	2,310	4	578	2,310	4	1,200	4,800
32	Exchange transfusion trays	2	10,000	20,000	2	10,000	20,000	2	10,000	20,000
33	Shoe racks SS	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	-
35	Washer disinfector	0	-	-	0	-	-	0	-	-
36	Packing table	0	-	-	0	-	-	0	-	-
37	Digital Sealer Printer	1	420,000	420,000	1	420,000	420,000	1	480,000	480,000
38	Backup Auto Clave	0	441,000	-	0	441,000	-	0	550,000	-
39	Racks for Manual	10	21,000	210,000	10	21,000	210,000	10	37,500	375,000
40	Locked Racks for MSDS Data	2	21,000	42,000	2	21,000	42,000	2	37,500	75,000
41	Eye Wash Station with shower	3	300,000	900,000	3	300,000	900,000	3	350,000	1,050,000
42	Air Curtain	4	50,190	200,760	4	50,190	200,760	4	60,000	240,000
43	Fire Sand Buckets with stand	5	15,000	75,000	5	15,000	75,000	5	20,000	100,000
44	Smoke Detectors	10	7,350	73,500	10	7,350	73,500	10	8,500	85,000
45	Heat Detector	5	8,400	42,000	5	8,400	42,000	5	10,000	50,000
46	Gas Detector	5	6,300	31,500	5	6,300	31,500	5	7,500	37,500
47	Fire Blankets	10	2,783	27,825	10	2,783	27,825	10	3,200	32,000
48	Fire Alarms	10	5,250	52,500	10	5,250	52,500	10	6,500	65,000
49	Identification Bands	100	3	315	100	3	315	100	3	300
50	Wet Flooring Signages	0	431	-	0	431	-	0	550	-
51	Key Box	6	8,190	49,140	6	8,190	49,140	6	10,000	60,000
52	Dehumidifier	0	58,800	-	0	58,800	-	0	70,000	-
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	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
58	Vein Finder	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
60	Bassinets	5	21,000	105,000	5	21,000	105,000	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
62	Digital Tempurature Humidity Guage	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
	Total			**8,647,094**			**8,647,094**			**9,653,822**
				8.647			8.647			9.654

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	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3		Electrolyte Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	550,000	-
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	2	0	132,825	-	2	0	132,825	-	2	0	180,000	-	2	0	250,000	-
6	Laboratory	Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7		Hot air Oven	1	1	0	210,000	-	1	0	210,000	-	1	0	385,000	-	1	0	450,000	-
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,500	324,000	2	8	45,000	360,000
10		glass wares	0	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-
11		Centrifuge Machine	2	2	0	149,336	-	2	0	149,336	-	2	0	250,000	-	2	0	400,000	-
12		Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	########	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15	X-Rays	Dental X-Ray	0	1	0	282,975	-	1	0	282,975	-	1	0	350,000	-	1	0	525,000	-
16		Lead apron and PPE	2	1	1	52,500	52,500	1	1	52,500	52,500	1	1	60,000	60,000	1	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	2	0	1,371,331	-	2	0	1,371,331	-	2	0	1,500,000	-	2	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	1	0	3,698,310	-	1	0	3,698,310	-	1	0	4,500,000	-	1	0	5,500,000	-
22		ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25	CCU	ECG Machine Three Channel	2	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
29		Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30	Blood Bank	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34		Baby Cot	10	1	9	14,669	132,017	1	9	14,669	132,017	1	9	16,000	144,000	1	9	16,000	144,000
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	850,000	1,700,000
36		Infant Warmer	2	6	0	335,638	-	6	0	335,638	-	6	0	985,000	-	6	0	1,050,000	-
37	Nursery	Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	225,000	1,350,000
38		Infant Incubator	2	1	1	858,932	858,932	1	1	858,932	858,932	1	1	900,000	900,000	1	1	1,750,000	1,750,000
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000
41		Anesthesia Machine with Ventilator	1	2	0	2,509,554	-	2	0	2,509,554	-	2	0	3,000,000	-	2	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	2	0	441,000	-	2	0	441,000	-	2	0	550,000	-	2	0	1,200,000	-
43		Defibrillator	2	1	1	308,713	308,713	1	1	308,713	308,713	1	1	650,000	650,000	1	1	800,000	800,000
44		Electrosurgical Unit	1	2	0	507,530	-	2	0	507,530	-	2	0	700,000	-	2	0	900,000	-
45		Operation Table	1	2	0	1,426,215	-	2	0	1,426,215	-	2	0	2,000,000	-	2	0	2,500,000	-
46	O.T (04)	Ceiling Operating Light	1	2	0	413,013	-	2	0	413,013	-	2	0	800,000	-	2	0	950,000	-
47		STEAM STERILIZER	1	2	0	3,465,000	-	2	0	3,465,000	-	2	0	4,000,000	-	2	0	7,800,000	-
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	900,000	-
52		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-
54	Orthopedic	Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,500,000	-	1	0	2,400,000	-
58		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
59		Delivery Set	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,000	320,000	2	8	65,000	520,000
60		Delivery Table	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	55,000	-
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
62		D & C Set	2	2	0	34,650	-	2	0	34,650	-	2	0	40,000	-	2	0	60,000	-
63	Gynea (20 beds)	Vaccume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-
65		ECG Machine Three Channel	1	1	0	169,785	-	1	0	169,785	-	1	0	180,000	-	1	0	300,000	-
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	900,000	900,000
67		Baby Cot	2	1	1	14,669	14,669	1	1	14,669	14,669	1	1	16,000	16,000	1	1	16,000	16,000
68		Delivery trolly	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250
69		Desktop Fetal Heart Rate Detector	1	0	1	144,375	144,375	0	1	144,375	144,375	0	1	175,000	175,000	0	1	200,000	200,000
70		Steam Sterilizer	0	1	0	3,355,849	-	1	0	3,355,849	-	1	0	4,000,000	-	1	0	7,800,000	-
71		Operation Table	0	2	0	1,426,215	-	2	0	1,426,215	-	2	0	2,000,000	-	2	0	2,500,000	-
72	Surgical Emergency (10 beds)	MOBILE OPERATING LIGHT	0	3	0	285,466	-	3	0	285,466	-	3	0	400,000	-	3	0	900,000	-
73		Suction Pump	0	9	0	259,350	-	9	0	259,350	-	9	0	275,000	-	9	0	300,000	-
74		Laryngoscope	0	2	0	9,744	-	2	0	9,744	-	2	0	12,000	-	2	0	20,000	-
75		Set of Surgical Instruments	0	29	0	141,750	-	29	0	141,750	-	29	0	160,000	-	29	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000
80		BP Appratus	15	10	5	15,750	78,750	10	5	15,750	78,750	10	5	16,000	80,000	10	5	16,000	80,000
81	Others	Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	########	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87		Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94	ICU	Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000

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
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
103	**MORTUERY**	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000
104	**Dental Unit**	Dental Unit	2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114		Shortwave diathermy	1	0	1	844,562	844,562	0	1	844,562	844,562	0	1	1,500,000	1,500,000	0	1	2,750,000	2,750,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000

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
120	Physiotherapy unit	C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121		Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122		Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	1,404,000	1,404,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trollies	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	Beds	Fowler beds with Mattress	60	0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	150,000	9,000,000
		Total					**45,410,956**				**45,410,956**				**62,422,941**				**99,053,388**
							45.411				**45.411**				**62.423**				**99.053**

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)	0	450,000	-	0	450,000	-	0	450,000	-	0	450,000	-
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	16	55,500	888,000	16	55,500	888,000	16	55,500	888,000	16	55,500	888,000
7	2 Ton air conditioners (Cabinet)	27	78,000	2,106,000	27	78,000	2,106,000	27	78,000	2,106,000	27	78,000	2,106,000
8	4 Ton air conditioners (Cabinet)	0	120,000	-	0	120,000	-	0	120,000	-	0	120,000	-
9	Ceiling Fans 56"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	10,000,000	10,000,000
	Total			**11,299,960**			**11,299,960**			**11,899,960**			**18,899,960**
				11.300			**11.300**			**11.900**			**18.900**

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

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**
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								**11.800**				**16.10**					
	Total of HR Component												**39.94**					**56.577**

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	29,731	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	4	Persons		
Road and ROW area	38,440	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	3	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	11	Persons		
Total number of sweepers in evening shift	5	Persons		
Total number of sweepers in night shift	5	Persons		
Total number of sweepers in all shifts	22	Persons		
Number of sewer men required	3	Persons		
Number of supervisors	3	Persons		
Salary component				
Type of worker	**No of workers**	**Salary per month**	**Salary for One Year**	
Sweepers / Janitors	22	22,000	5,789,062	
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)			**12,317,062**	
			12.317	

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	29,731				
Covered Area per guard	15,000				
Number of guards	**2**				
Open area excluding parking area	38,440				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**3**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**11**				
Total number of all guards for second shift	**5**				
Lady Searcher	**2**				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**2**				
Total no. of Supervisors	**2**				
Type of worker	**No of workers**	**Salary per month**	**Salary per Month for all Person**	**Salary for One year**	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	6	21,525	129,150	1,549,800	
Civilian	10	21,000	210,000	2,520,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				**5,695,200**	
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				**5,595,200**	
				5.595	

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

MEP

Original

Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year
Supervisors	1	56,420	56,420	677,040
Plumber	1	32,550	32,550	390,600
AC/ Technician	1	34,720	34,720	416,640
Electrician	2	31,465	62,930	755,160
Car painter	1	30,380	30,380	364,560
Total (Salary component)			**217,000**	**2,604,000**
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**
A/C	79	6,665	526,535	526,535
Fridge	3	4,000	12,000	12,000
UPS	12	8,000	96,000	96,000
Water Cooler	15	4,000	60,000	60,000
Exhaust	7	3,000	21,000	21,000
Geyser	15	4,000	60,000	60,000
Water Pump	3	3,000	9,000	9,000
Carpentry Work		-	180,000	180,000
Electrical Work		-	120,000	120,000
Plumbing Work		-	75,000	75,000
Sub Total				**1,159,535**
General Total				**3,763,535**
				3.764

From 1st Revised to onward

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

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	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.
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000	
Nitrous Oxide	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000	
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000	
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000	
Total					**1,304,400**	
					1.304	

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	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.
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	

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original	From 1st Revised to onward
	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 whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	2,664	20	53,280	
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	3,653	7	25,571	
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	4,566	11.25	51,368	
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	19	1,500	28,500	
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	4	270	1,080	
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	-	600	-	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	1,660	69	114,540	
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	261	195	50,895	
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	1,773	12	21,276	
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	2	3,675	7,350	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	3	1,800	5,400	
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	9	195	1,755	
2	**HARD LANDSCAPE**					

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onward
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	365	150	54,750	
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	14,698	29,396	
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	27,700	27,700	
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	2	3,850	7,700	
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	9,132	7.50	68,490	
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	36	550	19,800	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	5	550	2,750	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	9	550	4,950	
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				**1,400,865**	
	PRA(16%)				224,138	
	Design Consultancy				100,000	
	TPV (3%)				42,026	
	Grand Total				**1,767,029**	
					1.767	

BUILDINGS DIVISION

HAFIZABAD

AMENDED ROUGH ESTIMATE

REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL
PINDI BHATTIAN,

47.940

~~43.533~~ (M)

Rs. ~~101.357~~ (M)

BUILDINGS SUB DIVISION PINDI BHATTIAN

OFFICE OF THE
MEDICAL SUPRINTENDENT
THQ HOSPITAL PINDI BHATTIAN

No. 615 /THQ Dated 17-03-2021

To

Director Infrastructure,
Project Management Unit, P&SHD,
Lahore.

Subject: **OBSERVATION IN ROUGH COST ESTIMATE OF THQ HOSPITAL PINDI BHATTIAN.**

With reference to the subject cited above.

It is submitted in your good honor that changes required in rough cost estimates against the observations identified are as follows:

Sr. NO	OBSERVATION	REQUIREMENTS
	New Construction could not be included in estimates, but a new name of [illegible] is taken in the estimate	Not Required
	[illegible] work taken in the estimate	Tiles work of Operation Theater, & Labor Room, [illegible] Medicine [illegible]
	Already [illegible] PCC [illegible] estimate	Already included [illegible] of remaining areas, in scope of work
	[illegible] flooring is missing in the estimate	Not required
	Ramps are not included in the estimate [illegible] of stairs taken in the estimate	Ramps are required adjacent to: 1) Main Door #2 2) [illegible] Ward 3) Peads Corridor 4) Dispensary Door 5) Dental Door
6	Façade work is not taken in the estimate	Already included in scope of work
7	Merchanies are not included in the estimate	Tiles Work, Wash Basin, Lights
8	[illegible] sections are not included in the estimate	Already included in scope of work
9	Internal electrification is not included in the estimate	Not Required
10	Water supply line missing in the estimate	Not Required
11	External/Street lights & electric poles are missing in the estimate	Already included in scope of work
12	Lead lining in the X-Ray room not included	Already included in scope of work
13	No PVC doors taken in the estimate	Required of all washrooms

It is submitted in your good honor for your kind approval and necessary action please.

MEDICAL SUPERINTENDENT
THQ HOSPITAL PINDI BHATTIAN

(2)

Fresh Receipt
1. H/C
2. A/B
3. H/D
4. S/G
5. SDO HFD
6. SDO P

XEN (Building)
HFD
02/01/2021

No. PMU/(P&SHD)/2020/845
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore, Ph: 042-99231208)
Dated the Lahore December 31, 2020

To
Executive Engineer,
Buildings Division,
Hafizabad.

REMINDER

SUBJECT: ROUGH COST ESTIMATE FOR TEHSIL HEADQUARTER HOSPITAL OF DISTRICT HAFIZABAD

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

2. Now, the Department intends to carry out further revamping program of Phase – II through Communication and Works Department Punjab. The THQ Hospital of District Hafizabad is listed below.

Sr. No.	FACILITY NAME	District
1	THQ Pindi Bhattian	Hafizabad

3. Hence, in this regard, cost estimate for revamping civil works of the hospital is desired so that the work on the above scheme can be executed promptly. The Department has prepared the CAD Maps of most of the hospitals, which can be shared on email as well. The detailed design document containing detailed ~~scope requirement~~ is

No. 74/H date 04/01/2021
copy is forwarded to S.D.O (B) Pindi Bhattian for necessary action

Executive Engineer
Building Division

(3)

No. PMU/(P&SHD)/2020/790
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore, Ph: 042-99231208)
Dated the Lahore November 25, 2020

To

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

808/BHU

SUBJECT: **COST ESTIMATES FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS**

Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospitals have been divided in to two Phases of Revamping Program i.e. Phase – I (25 DHQ and 15 THQ Hospitals Annexure - A) and Phase – II (Remaining Hospitals Annexure - B). P&SHD has carried out the civil works under revamping program in Phase – I hospitals through Infrastructure Development Authority Punjab (IDAP). The scope of work of the revamping civil works was i) Internal Development ii) External Development and iii) External Electrification. As of now around 60% of work on these schemes has been completed by IDAP. No reasonable revamping civil works has been carried out in Phase – II Hospitals up till now.

2. Now, the Department intends to carry out further revamping program of Phase – II through Communication and Works Department Punjab. Hence, in this regard, cost estimates for revamping civil works of these hospitals are desired so that the work on these schemes can be executed promptly. The department has prepared the CAD Maps of most of these hospitals, which can be shared on email as well. The detailed design document containing detailed scope requirement is also attached at Annexure – 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 civil infrastructure of these Phase – II hospitals similar to Phase – I hospitals to achieve the uniformity. Hence, in order to have a better idea of specifications and materials, the field visits of revamped DHQ and THQ Hospitals are recommended (list already attached at Annexure-A)

(4)

Annexure (A)

No.	Name of Hospital	District	Zone
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	North
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	
[illegible]	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	Center
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	South
[illegible]	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	

Annexure (B)

Document for Scope of THQs Revamping

A. External Development

Road Networking (Asphalt)

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 than asphalt road (e.g. P.C.C, Tough Paver etc.) in order to have easiest access to all the facilities of complex should be designed

Boundary Wall

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

Sewerage System

The functionality of the existing sewerage system of clinical blocks of hospitals needs to be examined and provisions for its optimal functions keeping in view the present and future hospital requirements are required. Provisions for replacement of blocked/undersized existing sewerage line along with rehabilitation of manholes may 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 be incorporated. All important points including OPD, wards, waiting areas, emergency and other blocks must be provided with drinking water stations, for which the distribution system needs to be planned and made a part of the estimates.

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

External Electrification

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

Façade Improvement

In order to match with Façade already revamped by IDAP, Suitable options may be 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 to elevation shown below depending upon the existing façade.

Internal Fixtures

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

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

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

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

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

The nursing counters should be provided covering all the wards

Internal Electrification

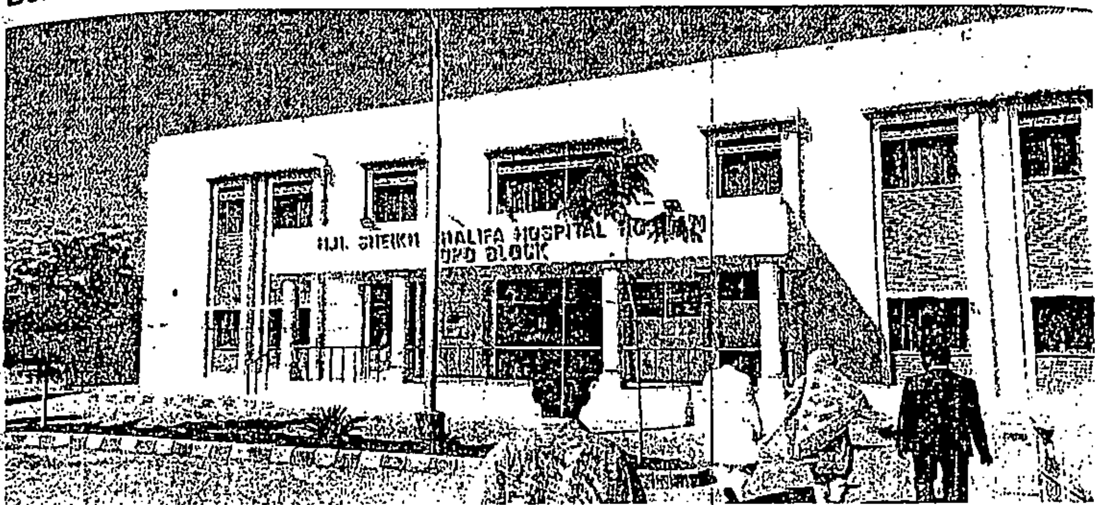
Internal lighting system of hospital should be incorporated including the type, position, power and other details of illuminating devices meeting with the standards of light requirement of hospitals

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

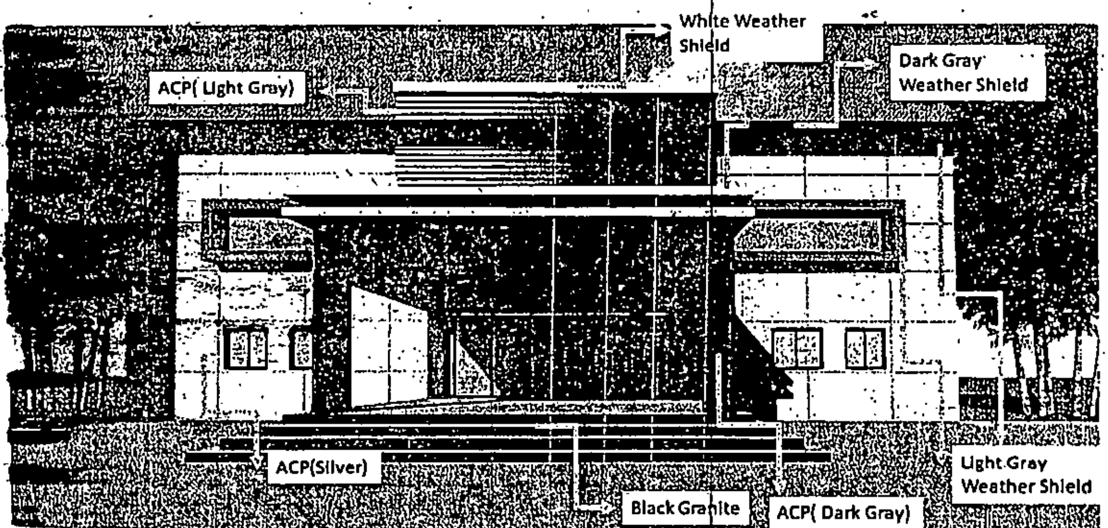
Provisions of power supply cable (4 – Core), distribution power panels (from main distribution panel to sub distribution panel) should be incorporated keeping in view the current distributive and future electric load of the Hospital building.

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

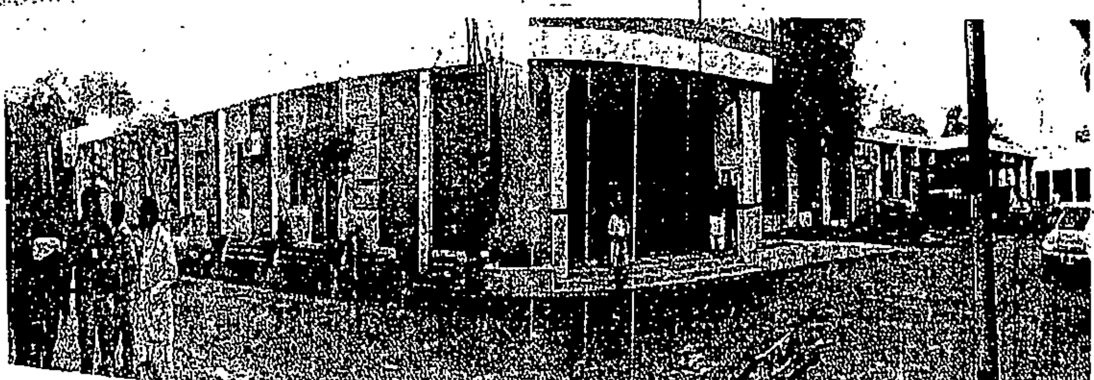
Before



After



Before



Amended rough cost estimate framed by the office of : Executive Engineer Buildings Division Hafizabad

For the expense of : REVAMPING OF TEHSIL HEAD QUARTER (T.H.Q) HOSPITAL PINDI BHATTIAN, DISTRICT HAFIZABAD.

History

Punjab Government has taken dynamic and historical steps for the amelioration of the public. In this connection Primary & Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program, P&SHD is having 26 DHQ and 133 THQ Hospitals across the Punjab. This program has been divided into two phases. The Phase-I was carried out through Infrastructure Development Authority Punjab (IDAP) which was left incomplete at Hospital. Now the Primary & Secondary Healthcare Department (P&SHD) desires to carry out the further revamping program of Phase-II through Buildings Department (C&W Department) in Tehsil Head Quarters Hospital Pindi Bhattian District Hafizabad vide letter No.PMU/(P&SHD)/2020/845 dated 31-12-2020. In pursuance of the desired scope, the Rough cost estimate amounting to **Rs.71.599 (M)** was prepared for arrangement of administrative approval and funds from the competent authority. In the meeting of DDSC held on 17-08-2021, the Governor of the Punjab pleased to accord 2nd revised Administrative approval of 60-sub schemes under block scheme titled **"PROGRAMME FOR REVAMPING OF ALL THQ HOSPITAL IN PUNJAB"** and AA was issued by Secretary Government of the Punjab (P&SHD) vide his office order No. PO(D-II)1-237/2021 dated 04-11-2021 for amounting to **Rs.71.599 (M)**. Hence, the detailed estimate amounting to **Rs. 70.959 (M)** for the said scheme was prepared by this office. Meanwhile, the contractors of Buildings Department started boycott of tendering process due to substantial increase in market rates. The Planning & Development Department Government of Punjab also issued a circular vide No.7(78)/P)(PB)/P&D/2021 dated 17-12-2021 indicating 24% increase in market in building sector. The Finance Department Government of the Punjab has issued 2nd-biannual 2022 market rates in order to meet with escalation in market. Accordingly amended rough cost estimate according to 2nd bi-annual 2022 is prepared amounting to **Rs.~~104.587~~(M)** and is hereby submitted to get accord Amended Administrative Approval from the competent forum.

Design & Scope:-

1	Provision of tuff paver	90888	Sft
2	Construction of boundary wall with razor wire	270	Rft
3	Construction of overhead reservoir	10000	Gln
4	Boring of turbine i/c turbine chamber and sewer-line	1	Job
5	Construction of water filter plant with chamber	1	Job
6	Construction of sludge and room	1	Job.
7	Renovation of operation theatre/labour rooms	1	Job
8	External electrification i/c street lights etc		Job
9	Provision of ramps	05	Nos.
10	Renovation of clinical building (paneling, false ceiling, doors, windows and painting etc)		
11	Improvement of reception counter		
12	Provision of fire alarm and smoke detector		
13	L-Section of main building	26000	Sft
14	Granite tile work		
15	PVC doors/waiting shed & steel railing		
16	Gate & gate pillars		
17	Culverts	2	Nos.
18	Construction of Dhobi Ghat	2	Nos.
19	Construction of Security Guard room	1	No.
		1	No.

Specifications	The work will be carried out according to the standard specifications of Buildings Department.
Carrying out of work	The work will be carried out through approved contractors of Buildings Department after fulfilling all the codal formalities of Department.
Time limit	It will take 24-months to complete the work.
Cost	Total cost of the project works out to be Rs. ~~101.357~~ 93.533 M (Million)

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

ORDER

No.PO(D-III)1-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 17.05.2021, the Governor of the Punjab is pleased to accord 2nd revised Administrative Approval of 66 sub schemes under block scheme titled **"Programme for Revamping of all THQ Hospitals in Punjab"** at cost mentioned against each sub-scheme, with revised gestation period upto 30.06.2023

Rs. in Million

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
1	Revamping of THQ Hospital, 18-Hazari District Jhang	14.956	205.709	220.665
2	Revamping of THQ Hospital, Ahmedpur Sial District Jhang	31.060	191.65[illegible]	222.654
3	Revamping of THQ Hospital, Bhera District Sargodha	47.352	198.313	245.665
4	Revamping of THQ Hospital, Chak Jhumra District Faisalabad	47.323	195.857	243.180
5	Revamping of THQ Hospital, Choa Saiden Shah District Chakwal	101.824	206.80[illegible]	308.633
6	Revamping of THQ Hospital, Dinga District Gujrat	14.858	199.147	214.005
7	Revamping of THQ Hospital, Fateh Jhang District Attock	44.181	198.227	242.408
8	Revamping of THQ Hospital, Sillanwali District Sargodha	44.782	180.970	225.752
9	Revamping of THQ Hospital, Sohawa District Jhelum	87.554	189.648	277.202
10	Revamping of THQ Hospital, City Hospital Talagang District Chakwal	48.005	198.007	246.012
11	Revamping of THQ Hospital, Bhalwal District Sargodha	47.643	204.362	252.005
12	Revamping of THQ Hospital, Shorkot District Jhang	40.307	185.070	225.377
13	Revamping of THQ Hospital, Ferozewala District Sheikhupura	33.815	200.0[illegible]	233.905
14	Revamping of THQ Hospital, Kallar Kahar District Chakwal	46.028	200.58[illegible]	246.616
15	Revamping of THQ Hospital, Kallar Syedan District Rawalpindi	116.706	214.153	330.859
16	Revamping of THQ Hospital, Kot Momin District Sargodha	47.789	166.71	214.500

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
17	Revamping of THQ Hospital, Pindi Bhattian District Hafizabad	71.599	164.7[illegible]9	236.388
18	Revamping of THQ Hospital, Sharakpur Sharif District Sheikhupura	49.730	201.7[illegible]	251.482
19	Revamping of THQ Hospital, Hassan Abdal District Attock	94.954	172.7[illegible]	267.675
20	Revamping of THQ Hospital, Khairpur Tamewali District Bahawalpur	35.773	186.0[illegible]	221.856
21	Revamping of THQ Hospital, Noshehra Virkan District Gujranwala	14.984	190.699	205.683
22	Revamping of THQ Hospital, Safdarabad District Sheikhupura	49.949	193.357	243.306
23	Revamping of THQ Hospital, Sambrial District Sialkot	80.617	193.38[illegible]	273.999
24	Revamping of THQ Hospital, Shakargarh District Narowal	95.535	225.6[illegible]4	321.209
25	Revamping of THQ Hospital, Talagang District Chakwal	35.911	193.007	229.918
26	Revamping of THQ Hospital, Depalpur District Okara	66.879	195.386	262.265
27	Revamping of THQ Hospital, Hasilpur District Bahawalpur	36.223	205.33[illegible]	241.554
28	Revamping of THQ Hospital, Kharian District Gujrat	14.419	202.03[illegible]	216.451
29	Revamping of THQ Hospital, Khushab District Khushab	87.683	196.338	284.021
30	Revamping of THQ Hospital, Muridke District Sheikhupura	60.392	208.8[illegible]9	269.221
31	Revamping of THQ Hospital, Pasrur District Sialkot	10.882	208.416	219.298
32	Revamping of THQ Hospital, Pindi Gheb District Attock	163.123	236.342	399.465
33	Revamping of THQ Hospital, Shahkot District Nankana	49.809	197.01[illegible]	246.821
34	Revamping of THQ Hospital, Shahpur District Sargodha	48.998	190.36[illegible]	239.358
35	Revamping of THQ Hospital, Yazman District Bahawalpur	44.523	160.991	205.514
36	Revamping of THQ Hospital, Chowk Azam District Layyah	47.156	210.[illegible]	257.550
37	Revamping of THQ Hospital, Lalian District Chiniot	19.914	190.140	210.054
38	Revamping of THQ Hospital, Murree District Rawalpindi	14.996	180.758	195.754
39	Revamping of THQ Hospital, Rojhan District Rajanpur	14.048	200.54[illegible]	214.591

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
40	Revamping of THQ Hospital, Thal (Nawaz Sharif Hospital) District Layyah	49,457	216 699	266 156
41	Revamping of THQ Hospital, Darya Khan District Bhakkar	37.975	211 198	249 173
42	Revamping of THQ Hospital, Dunyapur District Lodhran	10 040	165 3[illegible]	175 354
43	Revamping of THQ Hospital, Jahanian District Khanewal	26 965	203.353	230 318
44	Revamping of THQ Hospital, Kotli Sattian District Rawalpindi	26 949	199 680	226 629
45	Revamping of THQ Hospital, Kot Sultan District Layyah	45.918	201.877	247 795
46	Revamping of THQ Hospital, Alipur District Muzaffargarh	38.221	197.18[illegible]	235 409
47	Revamping of THQ Hospital, Choubara District Layyah	36.589	206 216	242 805
48	Revamping of THQ Hospital, Fort Abbas District Bahawalnagar	9 932	197 810	207.742
49	Revamping of THQ Hospital, Haroonabad District Bahawalnagar	12.235	193.588	205 823
50	Revamping of THQ Hospital, Jalalpur Pirwala District Multan	25 103	206 06[illegible]	231.171
51	Revamping of THQ Hospital, Jampur District Rajanpur	44,967	182 199	227.166
52	Revamping of THQ Hospital, Jatoi District Muzaffargarh	52 216	207 414	259 630
53	Revamping of THQ Hospital, Kabirwala District Khanewal	24.787	219.815	244.602
54	Revamping of THQ Hospital, Kamalia District Toba Tek Singh	72 400	189 701	262 101
55	Revamping of THQ Hospital, Karor Lalesan District Layyah	45.900	227 684	273.584
56	Revamping of THQ Hospital, Kehror Pacca District Lodharan	41 127	208.091	249.218
57	Revamping of THQ Hospital, Mailsi District Vehari	48 045	196 999	245 044
58	Revamping of THQ Hospital, Minchinabad District Bahawalnagar	11 667	213 995	225 663
59	Revamping of THQ Hospital, Pind Dadan Khan District Jehlum	85 879	219 752	305 631
60	Revamping of THQ Hospital, Kunjah District Gujrat	25.236	184 414	209.850

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

Scanned by CamScanner

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 - 073101 General Hospital Services.*

(IMRAN SIKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

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

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

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

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL PINDI BHATTIAN, DISTRICT HAFIZABAD.

Already approved

S. NO	DESCRIPTION	Plinth Area	Unit	Rate as per MRS 2nd Annual 2021 (1 July to 31 December) B.P	Extra for Strip Foundation	Extra for each 1-ft deep found	E.I	P.H	S.G	Total Rate (5-10)	AMOUNT
1	2	3	4	5	6	7	8	9	10	11	12
A	***EXTERNAL DEVELOPMENT***										
1	Construction of new tuff tile paver	90888	P.Job		-	Detail attached		-	-	216	19,631,808
2	Construction of Boundary wall 9" thick and 8' high.	270	P.Rft	-	-	-	-	-	-	5500	1,485,000
(i)	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"x15) 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.	270	P.Rft	380	-	-	-	-	-	450	121,500
3	Water Supply		-	-	-	-	-	-	-	0	0
(i)	Construction of OHRW	10000	P.Gl		-	-	-	-	-	253	2,530,000
(ii)	Boring of Turbine i/c Construction of Turbine Chamber	1	P.Job		-	Detail attached		-	-	7067722	7,067,722
(iii)	Construction of water filtration plant (building)	380	Sft	2285			118	92	31	2526	959,880
(a)	Cost of Filtration plant	1	P.Job							1285000	1,285,000
(iv)	sludge pump with room	1				Detail attached				552000	552,000
(v)	Public Health portico	1	P.Job			Detail Attached				328000	328,000
4	External Electrification (P/F Street lights etc)	1	P.Job		-	Detail Attached			-	5221000	5,22[illegible]
5	Ramps	5	P.Job		-	Detail Attached		-	-	10780	53,900
6	L Section	1	P.Job		-	Detail Attached		-	-	321641	321,641
B	***INTERNAL DEVELOPMENT***		-	-	-	-	-	-	-	0	0
1	Granite tile work (mortary, L/ Room, Med store)	1	P.Job		-	Detail Attached		-	-	2941000	2,941,000
2	Patient waiting shed, steel railling and PVC doors and wash room	1	P.Job		-	Detail Attached		-	-	2212000	2,212,000

3	Renovation of clinical building (i.e. tile work, paint, door, windows and internal fixtures)	1	P.Sft		-	Detail attached			-	-	#######	10,999,713
4	Improvement to reception counter	1	P.Sft		-	Detail attached			-	-	306000	306,000
5	Provision of fire alarm and smoke deductor	45	P.Job		-	Detail Attached			-	-	26000	1,170,000
6	Operation theater/ Labour Room	1	P.Job		-	Detail Attached			-	-	4179000	4,179,000
7	Gate and gate pillars	2	P.Job		-	Detail Attached			-	-	219247	438,494
8	Culverts	2	P.Job		-	Detail Attached			-	-	839289	1,678,578
9	Construction of Dhobi ghatt	700	Sft	2300	-			118	92	31	2541	1,778,700
9	Security Guard Room	256	Sft	2300	-				92	31	2423	620,288
	Cost of Dismantling	1	P.Job			Detail Attached			-	-	134000	134,000

Total	66,015,224
D/d Credit of Old material	1,073,000
Total	64,942,224
Add 5% External Development	3,247,111
Total	68,189,335
Add 5% PST	3,409,467
Total	71,598,802
Say Rs.	71.599 M

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

TECHNICALLY VETTED

Say Rs. 71.599 (M) Million

Unit Engineer — Design Officer — Chief Draftsman
Punjab Buildings Deptt. North Zone Lahore

Superintending Engineer
Buildings Circle No. 1
Gujranwala

AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER (T.H.Q) HOSPITAL PINDI BHATTIAN, DISTRICT HAFIZABAD

S: No.	Description of work	As per approved rough cost estimate based on Plinth area rates for 2nd bi-annual 2021			Amount	As per amended rough cost estimate based on Plinth area rates for 2nd bi-annual 2022			Amount	Difference Amount		Remarks
		Qty	Unit	Rates.		Qty	Unit	Rates		Excess	Saving	
A	***EXTERNAL DEVELOPMENT***											
1	Construction of new tuff tile paver	90888	PSft	216/-	19631808	10000 ~~90888~~	PSft	287/-	~~26084856~~ 2,870,000	6453048	0	
2	Construction of Boundary wall 9" thick and 8' height.	270	P.Rft	5500/-	1485000	270	P.Rft	7634/-	2061180	576180	0	
(i)	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	270	P.Rft	450/-	121500	270	P.Rft	541.20	146124	24624	0	
3	Water Supply									0	0	
(i)	Construction of OHRW	10000	P.Gl	253/-	2530000	10000	P.Gl	355 ~~375/-~~	3550000 ~~3750000~~	1220000	0	
(ii)	Boring of Turbine i/c Construction of Turbine Chamber	1	P.Job	7067722/-	7067722	1	P.Job	10381793/-	10381793	3314071	0	
(iii)	Construction of water filtration plant (building)	380	Sft	2526/-	959880	380	Sft	4176/-	1586880	627000	0	
(b)	Cost of Filtration plant	1	P.Job	1285000/-	1285000	1	P.Job	1700000/-	1700000	415000	0	
(iv)	Sludge pump with room	1		552000/-	552000	1		824000/-	824000	272000	0	
(v)	Public Health portion	1	P.Job	328000/-	328000	1	P.Job	551000/-	~~551000~~ 623000	223000	0	
4	External Electrification (P/F Street lights etc.)	1	P.Job	5221000/-	5221000	1	P.Job	~~6795000/-~~ 5807318	~~6795000~~ ~~6645000~~ 5807318	~~1574000~~	0	
5	Ramps	5	P.Job	10780/-	53900	5	P.Job	74721/-	373605	319705	0	
6	L Section	1	P.Job	321641/-	321641	1	P.Job	558394/-	558394	236753	0	
B	***INTERNAL DEVELOPMENT***											
1	Granite tile work (mortury, L/ Room, Medicine store)	1	P.Job	2941000/-	2941000	1	P.Job	4145000/-	~~4146000~~ 4005424	1205000	0	

2	Patient waiting shed, steel railling and PVC doors/wash rooms	1	P.Job	2212000/-	2212000	1	P.Job	~~2970000/-~~ 0	~~2970000~~ 0	758000	0
3	Renovation of clinical building (i.e. tile work, paint, door, windows and internal fixtures)	1	P.Sft	10999713/-	10999713	1	P.Sft	~~16824041/-~~	~~16824041~~ ~~14228000~~ 5660869	~~5824328~~	0
4	Improvement to recption counter	1	P Job	306000/-	306000	1	P Job	472000/-	472000	166000	0
5	Provision of fire alarm and smoke deductor	45	P.Job	26000/-	1170000	~~45~~	P.Job	~~40000/-~~	~~1800000~~ 0 2862706	~~090000~~	0
6	Operation theater/ Labour Room	1	P.Job	4179000/-	4179000	1	P.Job	4382000/-	~~4382000~~	203000	0
7	Gate and gate pillars	2	P.Job	219247/-	438494	2	P.Job	430000/-	860000	421506	0
8	Culverts	2	P.Job	839289/-	1678578	2	P.Job	1291504/-	2583008	904430	0
9	Construction of Dhobi Ghat	700	Sft	2541/-	1778700	700	Sft	4176/-	~~2923200~~	1144500	0
10	Construction of Security guard room	256	Sft	2423/-	620288	256	Sft	4076 ~~4059/-~~	~~1043456~~ 0 ~~1039104~~ 0	~~418816~~	0
12	Cost of Dismantling	1	P.Job	134000/-	134000	1	P.Job	195000/-	195000	61000 47121301	0
				Total:-	66015224			Total:-	~~90265496~~ ~~93007185~~	4 ~~26991961~~	~~0~~
	Deduction cost of old material			(--)	1073000			(--)	~~1464000~~ ~~1073000~~		
				Total:-	64942224			Total:-	~~88801496~~ ~~91934185~~	45657301	
	Add 5% external development			(+)	3247111			(+)	~~2776770~~ 0 ~~4596709~~		
				Total:-	68189335			Total:-	~~89079173~~ ~~96530894~~	45657301	
	Add 5% Provincial Sales Tax (PRA)			(+)	3409467			(+)	~~4453958~~ ~~4826545~~	2,282865	
				Total:-	71598802			Total:-	~~93533131~~ ~~101357439~~	47940166	
				SAY	71.599 (M)			SAY	~~101.357~~ (M)	47,940,200	

SAY ~~93.533~~ (M)
~~29.36% above~~
47.940(M)

47.940 (M)
TECHNICALLY VETTED
~~93.533~~ (M)
For Rs. ________ (Million)

Chief Engineer
Punjab Buildings Deptt;
North Zone, Lahore.

Deputy Director
Punjab Buildings Deptt;
North Zone, Lahore.

Chief Draftsman
Punjab Buildings Deptt;
North Zone, Lahore.

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

Superintending Engineer
Buildings Circle No. 1
Gujranwala.

Sr	Description	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
2	~~Patient waiting shed, steel railling and PVC doors/wash rooms~~	~~1~~	~~P.Job~~	~~2212000/-~~	~~2212000~~	1	P.Job	2970000/-	~~2970000~~ 0	758000	0
3	Renovation of clinical building (i.e tile work, paint, door, windows and internal fixtures)	1	P.Sft	10999713/-	10999713	1	P.Sft	~~16824041/-~~	~~16824041~~ ~~14228000~~ 5660869	~~5824328~~	0
4	Improvement to reception counter	1	P.Job	306000/-	306000	1	P.Job	472000/-	472000	166000	0
5	Provision of fire alarm and smoke deductor	45	P.Job	26000/-	1170000	45	P.Job	40000/-	~~1800000~~	630000	0
6	Operation theater/ Labour Room	1	P.Job	4179000/-	4179000	1	P.Job	4382000/-	~~4382000~~ 2862706	203000	0
7	Gate and gate pillars	2	P.Job	219247/-	438494	2	P.Job	430000/-	860000	421506	0
8	Culverts	2	P.Job	839289/-	1678578	2	P.Job	1291504/-	2583008	904430	0
9	Construction of Dhobi Ghat	700	Sft	2541/-	1778700	700	Sft	4176/-	~~2923200~~ 0	1144500	0
10	Construction of Security guard room	256	Sft	2423/-	620288	256	Sft	4076 ~~4059/-~~	~~1043456~~ ~~1039104~~ 0	~~410816~~	0
12	Cost of Dismantling	1	P.Job	134000/-	134000	1	P.Job	195000/-	195000	61000	0
				Total:-	66015224			Total:-	~~90265496~~ ~~93007185~~	47121301 ~~26991961~~	~~0~~
	Deduction cost of old material			(--)	1073000			(--)	1484000 ~~1073000~~		
				Total:-	64942224			Total:-	~~88781496~~ ~~91934185~~	45657301	
	Add 5% external development			(+)	3247111			(+)	~~2776770~~ ~~4596709~~		
				Total:-	68189335			Total:-	~~89079173~~ ~~96530894~~		
	Add 5% Provincial Sales Tax (PRA)			(+)	3409467			(+)	~~4553958~~ ~~4826545~~		
				Total:-	71598802			Total:-	~~93533131~~ ~~101357439~~		
				SAY	71.599 (M)			SAY	~~101.357 (M)~~	47940200	

SAY ~~93.533~~ (M)
~~29.36% above~~
47.940

47.940 (M)
~~93.533~~ (M)

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

Superintending Engineer
Buildings Circle No
Gujranwala.

AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER (T.H.Q) HOSPITAL PINDI BHATTIAN, DISTRICT HAFIZABAD

S: No.	Description of work	As per approved rough cost estimate based on Plinth area rates for 2nd bi-annual 2021			Amount	As per amended rough cost estimate based on Plinth area rates for 2nd bi-annual 2022			Amount	Difference Amount		Remarks
		Qty	Unit	Rates.		Qty	Unit	Rates		Excess	Saving	
A	***EXTERNAL DEVELOPMENT***											
1	Construction of new tuff tile paver	90888	PSft	216/-	19631808	90888	PSft	287/-	~~26084856~~ 2,870,000	6453048	0	
2	Construction of Boundary wall 9" thick and 8' height.	270	P.Rft	5500/-	1485000	270	P.Rft	7634/-	2061180	576180	0	
(i)	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	270	P.Rft	450/-	121500	270	P.Rft	541.20	146124	24624	0	
3	Water Supply									0	0	
(i)	Construction of OHRW	10000	P.Gl	253/-	2530000	10000	P.Gl	~~375/-~~ 355	~~3750000~~ 3550000	1220000	0	
(ii)	Boring of Turbine i/c Construction of Turbine Chamber	1	P.Job	7067722/-	7067722	1	P.Job	10381793/-	10381793	3314071	0	
(iii)	Construction of water filtration plant (building)	380	Sft	2526/-	959880	380	Sft	4176/-	1586880	627000	0	
(b)	C[illegible]st of F[illegible]ration [illegible]ant	1	P.Job	1285000/-	[illegible]28500[illegible]	1	[illegible]	[illegible]	[illegible]	435030	0	
(iv)	Sludge pu[illegible]p with room	1		552000/-	552000	1		824000/-	8[illegible]	272[illegible]	0	
(v)	Public Health portion	1	P.Job	328000/-	328000	1	P.Job	551000/-	~~551000~~ 623000	223000	0	
4	External Electrification (P/F Street lights etc)	1	P.Job	5221000/-	5221000	1	P.Job	~~6795000/-~~	~~6795000~~ ~~6645000~~	~~1574000~~ ~~53~~ 5807318	0	
5	Ramps	5	P.Job	10780/-	53900	5	P.Job	74721/-	373605	319705	0	
6	L Section	1	P.Job	321641/-	321641	1	P.Job	558394/-	558394	236753	0	
B	***INTERNAL DEVELOPMENT***											
1	Granite tile work (mortury, L/ Room, Medicine store)	1	P.Job	2941000/-	2941000	1	P.Job	4105000/-	~~4146000~~ 4005424	1125000	0	

ABSTRACT OF COST OF TUFF PAVER

S#	Description	Qty	Rate Rs.		Amount Rs.
			MRS-2nd Bi-annual 2022		
1	Construction of (Tuff) Paver	10,000 ~~90888~~	287.00		2,870000 ~~26084856~~
			Total Rs:		~~26084856~~ 2870000

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

Walk way tuff tiles paver in THQ Pindi Bhattian (100X40)

X-Section.

1	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. **(CH#3 Item 21)**											
2	Toe Wall	2	x	100	x	1 1/2	x	1.50	=	450 Cft		
									Total =	450 Cft	10677.75 %0Cft	4805
3	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.											
	Toe Wall	2	x	100	x	1 1/2	x	0.50	=	150 Cft		
									Total =	150 Cft	9023.50 %Cft	13535
4	Pacca brick work in foundation and plinth:- i) cement, sand (1:6).											
	Toe Wall	2	x	100	x	3/4	x	2.50		375 Cft		
									Total =	375 Cft	30229.55 %Cft	113361
5	Filling watering ramming earth under floor with surplus earth from foundation. **(CH#3 Item 15)**											
		0.67	x	450					=	302 Cft	5090.45 %oCft	1535
6	Filling, watering and ramming earth under floor with new earth excavated from lead upto one mile											
		1	x	100	x	40	x	0.75	=	3000 Cft		
				Net				3000-302	=	2698 Cft	14345.90 %oCft	38705
7	Providing and laying sub base course											
	Rigid Portion	1	x	100	x	40	x	0.50	=	2000 Cft		
									Total =	2000 Cft	9870.60 %Cft	197412
8	Providing and laying tuff pavers having 7000 psi crushing strength of approved manufacture over 2" to 3" sand cushion grouting with sand 80mm thick											
		1	x	100	x	40				4000 P.sft	194.9 P.sft	779600

Total Rs	**1148953**
Per Sft Rate Rs	**287.24**
Per Sft Rate (say) Rs	**287/-**

Sub Divisional Officer
Buiuldings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

Detail of Walkway (Area)

1 Providing and laying tuff pavers having 7000 psi crushing strength of approved manufacture over 2" to 3" sand cushion grouting with sand 80mm thick

1	61	10		610
1	86	42		3612
1	22	10		220
1	300	22		6600
1	250	22		5500
1	20	22		440
1	25	18		450
1	70	70		4900
1	63	52		3276
1	88	10		880
2	10	5		100
1	86	25		2150
1	10	5		50
1	85	26		2210
3	10	10		300
1	24	57		1368
1	17	46		782
1	64	80		5120
1	20	120		2400
1	200	20		4000
1	164	5		820
1	220	5		1100
1	200	5		1000
1	155	40		6200
1	112	50		5600
1	100	100		10000
1	200	20		4000
1	200	50		10000
1	180	40		7200
			Total	90888 Sft

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

ANALYSIS FOR OVER HEAD RESERVOIR UPTO 50' HEIGHT

MRS-2nd Bi-annual 2022 Hafizabad Distt:

1 Excavation in foundation of building, 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 5' (in ordinary) soil.

1	16	16	6	1536	Cft	
			Total	1536	Cft	
			@	10,677.75	%0 Cft	16401

2 Cement concrete plain i/c placing, compacting ,finishing and curing complete including screening and washing of stone aggregate 1:4:8

1	16	16	0.33	85	Cft	
			Total	85	Cft	
			@	28986.90	% Cft	24639

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

				3/8" dia	1/2" dia	3/4" dia
For raft Bottom	16	15.5				248
Bot wetal	14	12				168
To 3/4" dia	24	12.75				306
Top wrtal 3/4" dia	22	10				220
Raft Beam Bottom Steel	16	15.5				248
Top 3/4" dia	16	15.5				248
Top contain 3/4" dia	16	7.67				123
Bot Ent 3/4" dia	4	5.83				23
Rigs 3/4" dia	64	6				384
Column Steel 3/4" dia	32	56				1792
Ring 3/8" dia outer	268	4.5		1206		
3/8" dia Ent.	268	3.33		892		
Braces Beam Botton 3/4" dia	48	10.25				492
Top 3/4" dia	32	10.25				328
Top Extra 3/4" dia	32	4				128
Ring 3/8" dia	224	3.5		784		
Base Slab beam bot 3/4" dia	16	10.25				164
Top 3/4" dia	8	10.25				82
Bot wrt 3/4" dia	8	8				64
Top Extra 3/4" dia	8	3.83				31
Ring 3/8" dia	88	4.83		425		
Steel for landing 1/2" dia	28	5.5			154	
holding 3/8" dia	8	3		24		
For base slab tank 1/2" bottom	18	13.75			248	
1/2" bottom	18	45.83			825	
1/2" top	18	13.75			248	
1/2" top	18	14.83			267	
Negative steel 1/2" top	48	3.75			180	
3/8" holding	16	10.25		164		
Corners 3/8" dia	60	3		180		
Pardi vertical steel 1/2" outr	144	16.75			2412	
1/2" inner	164	11			1804	
3/8" holding 3/8" outer	80	14.58		1166		
3/8" inner	80	14.58		1166		
top slab steel 1/2" dia	32	14.58			467	
Negative 3/8" dia	72	3.75		270		
holding 3/8" dia	12	13.42		161		
			Total	6438	6604.94	5049

3/8" dia	6438	0.375	0.454		1096	Kg
1/2" dia	6605	0.667	0.454		2000	Kg
3/4" dia	5049	1.5	0.454		3438	Kg
				Total	6535	Kg
				@	31381.2	% Kg	2050615

4 Reinforcement of cement concrete in slab of rafts/ strip foundation, base of column and retaining walls: etc and other structural members other than these mentioned in above not requiring from work (i. e horizontal shuttering) complete in all respect (1:2:4

Base	1	15.5	15.5	1	240	Cft	
Beam	4	15.5	1.25	1	78	Cft	
				Total	318	Cft	
				@	454.6	P Cft	144563

5 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1:1-1/2:3)

upto 20' height	4	1.25	1.25	20	125		
				@			
upto 30' height	4	1.25	1.25	10	63		
				@			
upto 40' height	4	1.25	1.25	10	63		
				@			
upto 50' heigth	4	1.25	1.25	10	63		
Tank Base	1	14.83	14.83	0.67	147		
Pardi	2	13.5	0.67	9.75	176		
	2	14.83	0.67	9.75	194		
top	1	15.83	15.83	0.42	105		
				Total	685.000	Cft	
				@	553.30	P Cft	379011

6 Providing and laying reinforced coment concrete (i/c prestressed concrete) using coarse sand and screened graded and washed aggretate, in required shape and design, i/c forms, moulds, shuttering, lifting, compacting, curing rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in positiuon, Precast reinvforced cement concrete and pretressed reinforced cement concrete in columns, beams lintels, stair cases, shelves, etc type C (nominal mis 1:2:4

Brases Beam	4	10.25	1	1	41	Cft	
Base beam under tanki	4	10.25	1	1	41	Cft	
Landing	4	2.5	0.33	3	10	Cft	
				Total	92	Cft	
				@	532.85	P Cft	49022

7 Fabricationof mild steel reinforcement bar cage for R.C.C bored piles, including cutting, bending laying in position, welding and fastening, i/c cost of binding wire and labour cahrges for binding of steel reinforcement (also includes removal of rust from the bars) deformed bars.

3/4" dia	64	2			128	Rft	
	9	2			18	Rft	
	2	9			18	Rft	
				Total	164	Rft	
Cwt	164	1.5	0.454		112	Kg	
				@	31381.20	% Kg	35147

8 Providing and fixing stair railing (all types and designs) of hard wood i/c bends and corners, screwed to 5/8"x5/8" (16x16 mm) square bars 2.75 ft. (838 mm) high, at 5.5 inch (137 mm) inch centre to centre fixed 1 Steps of stair, M.S flat 1"x1/8" (25x3 mm) welded to bars, painting polishing 3-coats, etc complete

	6	16			96	Rft	
				Total	96	Rft	
				@	~~2063.55~~	~~P Rft~~	~~198101~~

9 Providing and fixing terrace railing of 2" (50 mm) i/c conduit pipe 16 SWG welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respect as per design and drawing.

	4	14.83			59	Rft	
				Total	59	Rft	
				@	1586.8	P Rft	93621

10 Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: using gray cement: ½" thick (13 m)

	1	13.5	13.5		182	Sft	

		2	13.50+13.50x9.75			527	Sft	
					Total	709	Sft	
					@	20,965.90	% Sft	148648
11	Providing and installing M.blind pipe socket welded joint M.S. reducer (where necessary, in tubewell bore hole, including jointing welding with strainer etc 4" dia							
	Inlet	1	80			80	Rft	
	outlet	1	80			80	Rft	
	cover pipe	1	50			50	Rft	
	over flow	1	70			70	Rft	
					Total	250	Rft	
					@	1005	P Rft	251250
12	Water level indication guage meter rod or plumb bob compete with erection complete in all respect							
						1	Nos.	
					@	50000/-	Each	50000
13	S/E of 2"x2"x1/8" copper plate including revitting to coppper tape and placing in mixture of salt and chared etc							
						1	Nos.	
					@	7,557.95	Each	7558
14	S/E of copper tape i/c copper staple copper nail cement sand etc (1-1/2"x1/8")							
						200	Rft	
					@	396.3	P Rft	79260
15	S/E of 25mm 1" dia one meter long lighting conductor copper rod with 5 spikes on ball and base etc complete.							
						1	Job	
					@	4,274.00	P Job	4274
16	P/F 2-No 24" dia C.I man hole cover on top of servitor with ring complete in all respect.							
						2	Nos.	
	19-39-iii				@	11,558.40	Each	23117
17	Providing and fixing sluice valve of B.S.S quality and weight, for Asbestos coment pipe line, with comet joint and rubber ring, complete i/c cost of jointing materials. 4" dia							
						2	Nos.	
					@	18331.5	Each	36663
18	Providing and applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect 2-coats.							
		4	14.83	10		593	Sft	
					Total	593	Sft	
					@	5245.3	% Sft	31105
19	Pacca brick work 1:6 in foindation plinth for plinth							
		4	15.5	1.5	0.25	23	Cft	
		4	15.5	1.125	0.25	17	Cft	
		4	15.5	0.75	3	140	Cft	
					Total	180	Cft	
					@	30229.55	% Cft	54413
20	Filling water ramming earth under floor lead upto 1-0 mile							
		1	14	14	2	392	Cft	
					Total	1024	Cft	
					@	14345.9	%0 Cft	14690
21	S/F sand under floor or pluging in well.							
		1	14	14	0.33	65	Cft	
					Total	65	Cft	
					@	2943.3	% Cft	1913
22	Dry rammed brick ballast 1-1/2" to 2" guage							
		1	14	14	0.33	65	Cft	
					Total	65	Cft	
					@	9023.50	% Cft	5865
23	1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :- (a) using grey cement. (used sulphate resistance cement)							
		1	15.5	15.5		240	Sft	
					Total	240	Sft	
					@	19,573.00	% Sft	46975

24. Providing and fixing marble strip of any shade for dividing the mosaic flooring into pannels size 1-1/2"x3/8" (40x10 mm).

240 60 / 100		144	Rft		
	Total	144	Rft		
	@	19.8	P Rft	2851	
			Total	~~3749702~~ 3551601	

Rate P.Gallon   3551601 ~~3749702~~ / 10000   ~~375/-~~ 355

Say P.Gln

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

ABSTRACT OF COST OF TURBINE & BORING & SEWERLINE

S#	Description	Qty		Rate Rs.		Amount Rs.
				MRS-2nd Bi-annual 2022		
1	Construction of turbine & boring	1	x	5823000/-		5823000
2	Construction of turbine chamber	1	x	724000/-		724000
3	Construction of sewerline	1	x	3834793/-		3834793
				Total Rs:		**10381793**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

BORING OF TUBE WELL WITH TURBINE

S#	Description		Qty	Rate Rs.	Amount Rs.
				MRS-2nd Bi-annual 2022	
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	770.65	154130
i	Exceeding 250' depth below Ground level 15" to 18" i/d.	P.Rft	300	770.65	231195
2	P/Installation M.S Baill Plug in Tube well bore hole 8" i/d	Each	1.000	4840.65	4841
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	9727.20	778176
4	Providing strong substantially built box of deodar wood 4"x2-1/2"x9" with compartments lock and locking arrangements complete	Each	1	35757.50	35758
5	Furnishing sample of water from bore hole	P.Set	3	183.95	552
6	Testing and developing of Tube Well of size 6" i/d and above continuously upto 1.5 discharge	P.Hor	72	2828.55	203656
7	Shrouding with graded pea gravel 3/8" to 1/8" around Tube well in bore hole 22/7x1-1/2x1-1/2x400/4 = 706 Cft 22/7x2/3x2/3x398/4 = 544 Cft Total : = 162 Cft	P.Cft	162	149.10	24154
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	2881.15	1066026
I	Do--------- 12" dia	P.Rft	100	3092.90	309290
9	KSB DEEP Well Turbine Pump Capacity: 1/2 Cusic ; Head: 160 Feet, Setting depth: 120 feet Pump Model: DWT B7B/10+10HP / 4P Siemens V-1 Motor, 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.	Each	1	3000000/-	3000000
10	P/F air valve 2-1/2" dia BSS quality. Single	Each	1	5008.05	5008
11	P/F Bell mouth 4" dia.	P.Rft	4	2500/-	10000
				Total Rs:	**5822784**
				Say Rs:	**5823000**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

(CONSTRUCTION OF TUBEWELL CHAMBER SIZE 12'X12')
(BUILDINGS PORTION)

MRS-2nd Bi-annual 2022 Hafizabad Distt:

S.No	Description	Nos	Length	Breadth	Depth	Qty		Amount
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							
		2	15.25	2.5	4	305	Cft	
		2	10.25	2.5	4	205	Cft	
		2	37.5	1.5	1	113	Cft	
					Total	**623**	**Cft**	
		(@)Rs	10,677.75	%0Cft			Rs.	6647
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.							
	Ratio 1: 6: 12							
		2	15.25	2.5	0.75	57	Cft	
		2	10.25	2.5	0.75	38	Cft	
		2	20.25	1.5	0.33	20	Cft	
		2	17.25	1.5	0.33	17	Cft	
					Total	**133**	**Cft**	
		(@)Rs	21237.25	%Cft			Rs.	28192
3	Pacca brick work (1:6) cement mortor in foundation and plinth.							
	Horizontal walls							
		2	14.625	1.875	0.25	14	Cft	
		2	14.25	1.5	0.25	11	Cft	
		2	13.875	1.125	0.25	8	Cft	
		2	13.5	0.75	8	162	Cft	
		2	10.125	1.875	0.25	9	Cft	
		2	11.25	1.5	0.25	8	Cft	
		2	11.625	1.125	0.25	7	Cft	
		2	12	0.75	8	144	Cft	
	P.P	2	19.5	0.75	2.5	73	Cft	
		2	18	0.75	2.5	68	Cft	
					Total	**503**	Cft	
		(@)Rs	30229.55	%Cft			Rs.	152144
4	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1½" thick (40 mm).							
		2	2	13.5	0.75	41	Sft	
		2	2	12	0.75	36	Sft	
					Total	77	Sft	
		(@)Rs	8659.85	%Sft			Rs.	6625
5	P/L 1/2"thick vertical damp proof course of cement sand plaster (1:3) with one coat bitumen and one layer of polythene sheet 500-gauge.							
		4	12	1.5		72	Sft	
					Total	72	Sft	
		(@)Rs	5682.05	%Sft			Rs.	4091
6	Filling, watering ramming earth under floor with surplus earth from foundation .							
	Qty as per item No.1	1	623		0.667	**415**	**Cft**	
		(@)Rs	5,090.45	%0Cft			Rs.	2114

7	Pacca brick work (1:6) cement mortor in Ground Floor.							
		2	13.5	0.75	9	182	Cft	
		2	12	0.75	9	162	Cft	
					Total	344	Cft	
	Deduction openings							
		1	4	0.75	7	21	Cft	
		2	4	0.75	4	24	Cft	
		3	5	0.75	0.5	6	Cft	
					Total	51	Cft	
	Net Total (344 - 51)					**294**	**Cft**	
		(@)Rs	32413.35	%Cft			Rs.	95174
A	Do--------------- 1:4 in G.F							
	13.50+12=25.50	2	25.5	0.75	0.25	10	Cft	
		(@)Rs	34084.1	%Cft			Rs.	3408
8	P/L RCC in raft/strip foundation Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) strength 3000 PSI.							
		2	13.5	0.75	0.75	15	Cft	
		2	12	0.75	0.75	14	Cft	
					Total	29	Cft	
		(@)Rs	454.60	P.Cft			Rs.	13183
9	P/L RCC in roof slab beam column and lintel etc from foundation Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) strength 3000 PSI							
		3	5	0.75	0.5	6	Cft	
		1	15	15	0.42	95	Cft	
					Total	100	Cft	
		(@)Rs	553.30	P.Cft			Rs.	55330
10	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) deformed bars 40 grade.							
	Qty as per item above 8, 9	1	129	6.75	0.454	395	Kg	
		(@)Rs	31381.20	%Kg			Rs.	123956
11	Cement plaster ½" (13 mm) thick 1:4 upto 20' (6.00 m) height with 14 Lbs bitumen coating and polythene sheet 500 gauge under bearing of roof slab.							
	13.50+13.50=27	2	13.5	0.75		20	Sft	
		2	12	0.75		18	Sft	
					Total	**38**	**Sft**	
		(@)Rs	5720.80	%Sft			Rs.	2174

12	Cement plaster 3/8" (10 mm) thick 1:3 cement sand mortar under soffit of R.C.C. roof slabs only, upto 20' height.							
		1	12	12		144	Sft	
	16.50+13.50=30	2	30	1.5		90	Sft	
		4	16.5	0.5		33	Sft	
					Total	267	Sft	
		(@)Rs	3708.60	%Sft			Rs.	9902
13	Cement plaster 1:5 upto 20' (6.00 mm) height ½" (13 mm) thick.							
	12+12=24	2	24		9	432	Sft	
					Total	**432**	**Sft**	
		(@)Rs	3096.90	%Sft			Rs.	13379
14	Supplying and filling sand under floors or pluging in wells.							
		1	12	12	0.33	48	Cft	
		2	18	2.25	0.25	20	Cft	
		2	13.5	2.25	0.25	15	Cft	
					Total	**83**	**Cft**	
		(@)Rs	2943.30	%Cft			Rs.	2442
15	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects							
	Take qty as per item above					83	Cft	
		(@)Rs	9434.40	%Cft			Rs.	7827
16	Providing and laying conglomerate flooring (two coat work) with top layer of ½"(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16"(6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels i/c rubbing and polishing floor, repairing voids uneven surface, complete in all respects 2"(40 mm)							
		1	12	12		144	Sft	
	P.P	2	19.5	3		117	Sft	
		2	13.5	3		81	Sft	
					Total	**342**	**Sft**	
		(@)Rs	9,614.80	%Sft			Rs.	32883
17	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" (40 x 10 mm).							
	Qty item No.16	1	342	x	60%	**205**	**Rft**	
		(@)Rs	19.8	P.Rft			Rs.	4063
18	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete new surface two coats.							
		4	13.5		12.5	675	Sft	
					Total	**675**	**Sft**	
		(@)Rs	5245.3	%Sft			Rs.	35406
19	Distempering 3 coats on new surface.							
		1	12		12	144	Sft	
	12+12=24	2	24		9	432	Sft	
					Total	**576**	**Sft**	
		(@)Rs	1295	%Sft			Rs.	7459

20	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. Single Leaf.							
	D1	1	4		7	28	Sft	
		(@)Rs	1795/-	P.Sft			Rs.	50246
21	Providing and fixing windows consisting of M.S Box section with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc fixed with wire gauze, 22 SWG glass pane 5 mm thick i/c M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design,							
	W1	2	4		4	32	Sft	
		(@)Rs	1338.50	P.Sft			Rs.	42832
22	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded over sheet polythene sheet 500 gauge complete in all respects.							
		1	12	12		144	Sft	
					Total	144	Sft	
		(@)Rs	11646.40	%Sft			Rs.	16771
23	Cement pointing deep struck joint 1:2 with red oxide pigment.							
		4	19.5	2.5		195	Sft	
					Total	195	Sft	
		(@)Rs	4170.85	%Sft			Rs.	8133

Total Rs. 724380

Say Rs. 724000

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Buildings Division
Hafizabad

Sewer Line

1 Earthwork excavtion in open cutting for sewer man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7' depth from G.L.

		1	1640	2	2.5		8200	
		1	694	3	2.5		5205	
		1	300	4	3.5		4200	
					Total		17605	
(@)Rs	11,740.40	%0Cft					Rs.	206690

2 P/L RCC pipe sewers moulded with cement concrete 1:1.5:3 confiriming to ASTM specification C-76-79 ClassII wall B including carriage of pipe from factary to site of work lowering in trenching to correct allignment and grade jointing with rubber ring cutting pipes where necessary, testing etc. complete

a 12" dia pipe			1640	
(@)Rs	695.60	PRft	Rs.	1140784
b 24" dia pipe			694	
(@)Rs	1,694.10	PRft	Rs.	1175705
c 36" dia pipe			300	
(@)Rs	4,002.80	PRft	Rs.	1200840

3 Rehandling of earthwork lead upto single throw of khassi, phorah or showel

		1	1640	2	2.5		8200	
		1	694	3	2.5		5205	
		1	300	4	3.5		4200	
					Total		17605	
d/d		1	1640	0.785			1287	
		1	694	3.14			2179	
		1	300	7.065			2120	
					Total (-)		5586	
					Net		12019	
(@)Rs	2,539.70	%0Cft				Rs.		30525

Screening Chamber

1 Earthwork excavtion in open cutting for sewer man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7' depth from G.L.

		1	8	4.5	4	144	
(@)Rs	11,740.40	%0Cft				Rs.	1691

2 Cement concrete brick or stone ballest 1.5" to 2" 1:6:12

		1	8	4.5	0.5	18	
(@)Rs	21,237.25	%Cft				Rs.	3823

3 Pucca brick work 1:4 O.T.B

		2	7.5	0.75	7.5	84	
		2	2.5	0.75	7.5	28	
				Total		112	
(@)Rs	32,985.10	%Cft				Rs.	36943

4 Cement plaster 1:5)1/2" thick upto 20' height

		2	(6+2.5)	7.25	128	
		2	(7.5+4)	3	69	
		2	(7.5+2.5)	0.75	15	
				Total	212	
(@)Rs	3,096.90	%Sft			Rs.	6565

5 Cement concrete 1:2:4 using course and sand washed aggregates placing comparcting curing finshing complete (in bed)

		1	6	2.5	0.25	4	
(@)Rs	38,178.90	%Cft				Rs.	1527

6 Extra for making and finishing of benching floor work of man holes 1/8" thick cement finish.

		1	6	2.5	15	
(@)Rs	2,934.10	PSft			Rs.	440

7 Rehandling of earth upto single throw

		Quantity as per item no 1	144	
(@)Rs	2,539.70	%0Cft	Rs.	366

8 Fabrication of heavy steel work with angle tees flat iron round iron and sheet iron for making trusses guraders tanks etc including cutting drilling riviting handling assembling and fixing butt excluding erection in position

1.5" X1.5" X0.25" angle iron

(2X7.25)	(2X2.5)	(4X1.5)	22 Rft		
	(22X2.30X0.454)			23	
(@)Rs	32,465.20	%Kg		Rs.	7467

MS square bar 5/8" X 5/8"

1	15	7.25	109 Rft		
	(109X1.33X0.454)			66	
(@)Rs	32,465.20	%Kg		Rs.	21427

Total **3834793**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

(CONSTRUCTION OF SLUDGE PUMP ROOM SIZE 12'X12')
(BUILDINGS PORTION)

MRS-2nd Bi-annual 2022

S.No	Description	Nos	Length	Breadth	Depth	Qty		Amount
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.							
		2	15.25	2.5	4	305		
		2	10.25	2.5	4	205		
		2	37.5	1.5	1	113		
					Total	623	Cft	
		(@)Rs	10,677.75	%0Cft			Rs.	6647
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in Ratio 1: 6: 12							
		2	15.25	2.5	0.75	57		
		2	10.25	2.5	0.75	38		
		2	20.25	1.5	0.33	20		
		2	17.25	1.5	0.33	17		
					Total	133	Cft	
		(@)Rs	21237.25	%Cft			Rs.	28192
3	Pacca brick work (1:6) cement mortor in foundation and plinth.							
	Horizontal walls							
		2	14.625	1.875	0.25	14		
		2	14.25	1.5	0.25	11		
		2	13.875	1.125	0.25	8		
		2	13.5	0.75	8	162		
		2	10.125	1.875	0.25	9		
		2	11.25	1.5	0.25	8		
		2	11.625	1.125	0.25	7		
		2	12	0.75	8	144		
	P.P	2	19.5	0.75	2.5	73		
		2	18	0.75	2.5	68		
					Total	503	Cft	
		(@)Rs	30229.55	%Cft			Rs.	152144
4	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1½" thick (40 mm).							
		2	2	13.5	0.75	41		
		2	2	12	0.75	36		
					Total	77	Sft	
		(@)Rs	8659.85	%Sft			Rs.	6625
5	P/L 1/2"thick vertical damp proof course of cement sand plaster (1:3) with one coat bitumen and one layer of polythene sheet 500-gauge.							
		4	12	1.5		72		
					Total	72	Sft	
		(@)Rs	5682.05	%Sft			Rs.	4091
6	Filling, watering ramming earth under floor with surplus earth from foundation							
	Qty as per item No.1	1	623		0.667	415	Cft	
		(@)Rs	5,090.45	%0Cft			Rs.	2114
7	Pacca brick work (1:6) cement mortor in Ground Floor.							
		2	13.5	0.75	9	182		
		2	12	0.75	9	162		
					Total	344		
	Deduction openings							
		1	4	0.75	7	21		
		2	4	0.75	4	24		
		3	5	0.75	0.5	6		

					Total	51		
	Net Total (344 - 51)					294	Cft	
		(@)Rs	32413.35	%Cft			Rs.	95174
A	Do--------------- 1:4 in G.F 13.50+12=25.50	2	25.5	0.75	0.25	10	Cft	
		(@)Rs	34084.1	%Cft			Rs.	3408
8	P/L RCC in raft/strip foundation Providing and laying reinforced cement concrete (i/c prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) strength 3000 PSI.							
		2	13.5	0.75	0.75	15		
		2	12	0.75	0.75	14		
					Total	29		
		(@)Rs	454.6	P.Cft			Rs.	13183
9	P/L RCC in roof slab beam column and lintel etc from foundation Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) strength 3000 PSI.							
		3	5	0.75	0.5	6		
		1	15	15	0.42	95		
					Total	100	Cft	
		(@)Rs	553.3	P.Cft			Rs.	55330
10	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) deformed bars 40 grade.							
	Qty as per item above 8, 9	1	129	6.75	0.454	**395**	**Kg**	
		(@)Rs	31381.2	%Kg			Rs.	123956
11	Cement plaster ½" (13 mm) thick 1:4 upto 20' (6.00 m) height with 14 Lbs bitumen coating and polythene sheet 500 gauge under bearing of roof slab.							
	13.50+13.50=27	2	13.5	0.75		20		
		2	12	0.75		18		
					Total	**38**	**Sft**	
		(@)Rs	5720.8	%Sft			Rs.	2174
12	Cement plaster 3/8" (10 mm) thick 1:3 cement sand mortar under soffit of R.C.C. roof slabs only, upto 20' height.							
		1	12	12		144		
	16.50+13.50=30	2	30	1.5		90		
		4	16.5	0.5		33		
					Total	267	**Sft**	
		(@)Rs	3708.6	%Sft			Rs.	9902
13	Cement plaster 1:5 upto 20' (6.00 mm) height ½" (13 mm) thick.							
	12+12=24	2	24		9	432		
					Total	**432**	**Sft**	
		(@)Rs	3096.9	%Sft			Rs.	13379
14	Supplying and filling sand under floors or pluging in wells.							
		1	12	12	0.33	48		
		2	18	2.25	0.25	20		
		2	13.5	2.25	0.25	15		
					Total	**83**	**Cft**	
		(@)Rs	2943.3	%Cft			Rs.	2442

15	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.							
	Take qty as per item above					83	Cft	
		(@)Rs	9434.4	%Cft			Rs.	7827
16	Providing and laying conglomerate flooring (two coat work) with top layer of ½"(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16"(6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing In panels i/c rubbing and polishing floor, repairing voids uneven surface, complete in all respects 2"(40 mm)							
		1	12	12		144		
	P.P	2	19.5	3		117		
		2	13.5	3		81		
					Total	**342**	**Sft**	
		(@)Rs	9,614.80	%Sft			Rs.	32883
17	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" (40 x 10 mm).							
	Qty item No.16	1	342	x	60%	**205**	**Rft**	
		(@)Rs	19.8	P.Rft			Rs.	4063
18	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 new surface two coats.							
		4	13.5		12.5	675		
					Total	**675**	**Sft**	
		(@)Rs	5245.3	%Sft			Rs.	35406
19	Distempering 3 coats on new surface.							
		1	12		12	144		
	12+12=24	2	24		9	432		
					Total	**576**	**Sft**	
		(@)Rs	1295	%Sft			Rs.	7459
20	Providing and fixing M.S door with angle iron chowkat 1-1/2"x1-1/2" x1/4" welded with M.S flat 2"x1/4" leaf frame comprising of angle iron 1-1/4"x1-1/4"x3/16", using 18-SWG M.S sheet for shutter i/c braces of 1-1/4"x 1-1/4"x1/8" complete i/c locking arrangement and painting 3-coats of approved colour complete in all respect as approved by the engineer Incharge.							
	D1	1	4		7	**28**	**Sft**	
		(@)Rs	1794.5	P.Sft			Rs.	50246
21	Providing and fixing windows consisting of M.S Box section with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc fixed with wire gauze, 22 SWG glass pane 5 mm thick i/c M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including ainting three coats, complete in all respects.							
	W1	2	4		4	**32**	**Sft**	
		(@)Rs	1338.50	P.Sft			Rs.	42832

22	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded over sheet polythene sheet 500 gauge complete in all respects.							
		1	12	12		144		
					Total	144	Sft	
		(@)Rs	11646.40	%Sft			Rs.	16771
23	Cement pointing deep struck joint 1:2 with red oxide pigment.							
		4	19.5	2.5		195		
					Total	195	Sft	
		(@)Rs	4170.85	%Sft			Rs.	8133
24	P/F Submercible pump (KSB)							
		1					No	
		(@)Rs	100000	Each			Rs.	100000
						Total	Rs.	824380
						Say	Rs.	**824000**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

Sr. No	Description of Work	No.	Dimensions L	Dimensions B	Qty	Rate	Unit	Amount
	Plumbing Work (MRS 2nd biannual 2022)							
1	P/F coloured glazed earthen ware water closet squatter type (Orisa pattern) combined with foot rest (Coloured) i/c " P" trap:- 10 cm (4") glazed							
		34			34	2458.35	Each	83584
2	P/F coloured glazed earthen ware wash hand basin size 22"x16" with pedistal i/c bracket set waste pipe and waste coupling., ~~coloured with pedestal~~ Vanity Basins Under-Counter					7329.95		175,919
		24			24	~~4629.95~~	Each	~~103919~~
3	P/F glazed earthen ware low down flushing cistern 3-gallons capacity i/c bracket set copper connection Colored							
		32			32	4629.35	Each	148139
4	P/F C. P Tee stop cock ½" dia.							
		36			36	955.00	Each	34380
5	P/F C. P. Mixing valve for WHB complete							
		34			34	2228.55	Each	75771
6	P/F C. P. bib cock ½" dia.							
		44			44	553.75	Each	24365
7	P/F floor trap of cast iron 4"x2" i/c concrete chamber all round and C. I. Grating.							
		23			23	627.95	Each	14443
8	P/F looking glass size 22"x16",5 mm thick first quality.							
		22			22	1700.00	Each	37400
9	P/F CP towel rail 24"							
		22			22	549.30	Each	12085
10	Providing and fixing, chromium plated soap dish.							
		32			32	278.75	Each	8920
11	Providing,laying,cutting,jointing,testing and disinfecting PPRC Pipes.PN-25							
	3/4" i/d	1	45		45	55.80	Per Rft	2511
	1/2"	1	45		45	123.60	Per Rft	5562
							Total Rs:-	~~551078~~ 623078
							Say Rs:-	551000 623,000

Sub Divisional Officer
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S.#		Description	Qty	Unit	Rate	Amount
A		**L.T. (LV) SUB-STATION EQUIPMENT**				
2		P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb Wiring, Netural & Earth Bar, glands.Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Main DB (for ACs and Hospital)				
		Incoming from Panel				
	i)	**LT Switchboards**				
		a) 2.50 Ft deep	90	cft	3433.8	309042
		(ii) 400A (3.0'x6'x2.5')				
		Incoming Breaker for Main DB (for ACs (OPD))				
	1	Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.	2	each	62,433	124866
	(a)	Tripple Pole 400A(36 KA)				
		Outgoing Breakers for Main DB (for ACs (OPD))				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge	4	each	39813	159252
	(a)	Tripple Pole 200A(36 KA)				
3		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter.Digital Ammeter.Volt Selector Switch,Ammeter selector switch.Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Sub Main DB (for ACs)				
		Incoming from Main DB (for ACs)				
	(b)	12" deep	48	cft	4497.0	215856
		(ii) 250A (3'x4'x12")				
		Incoming Breaker for Main DB (for ACs)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.	4	each	39813	159252
	(a)	Tripple Pole 250A(36 KA) (1*2=2)				
		Outgoing Breakers for Main DB for ACs				
	1	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.	6	each	8433	50600
	(a)	Tripple Pole 63A(10 KA) (6*2=12)	8	each	1298 65	10389
	(c)	Single Pole 32A(10 KA) (8*2=16)	8	each	1298.65	10389
	(d)	Single Pole 20A(10 KA) (8*2=16)				
3		P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands.Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Main DB (for Lighting)				
		Incoming from Panel				
	i)	**LT Switchboards**				
		a) 2.50 Ft deep	24	cft	4497.0	107928.0
		(ii) 250A (3.0'x4'x12")				
		Incoming Breaker for Main DB (for Lighting (OPD))				
	1	Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.	2	each	62,433	124866
	(a)	Tripple Pole 400A(36 KA)				
		Outgoing Breakers for Main DB (for Lighting (OPD))				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.	4	each	18093	72372
	(b)	Tripple Pole 150A(36 KA)				
3		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Sub Main DB (for Lighting)				
		Incoming from Main DB (for Lighting)				
	(b)	12" deep	36	cft	5131.1	184718
		(ii) 150A (3'x3'x12")				
		Incoming Breaker for Main DB (for Lighting)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.	4	each	18093	72372
	(a)	Tripple Pole 150A(36 KA) (1*2=2)				
		Outgoing Breakers for Main DB (for Lighting)				
	1	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.	6	each	1299.95	7800
	(c)	Single Pole 32A(10 KA) (8*2=16)	8	each	1299.95	10400
	(d)	Single Pole 20A(10 KA) (8*2=16)	8	each	1299.95	10400
	(d)	Single Pole 10A(10 KA) (8*2=16)				
B		**LT POWER CABLE**				
		Supply and erection of non armoured copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
	1	240 mm sq (61/0.099") PVC insulated, PVC sheathed 4 core, 600/1000 volts, copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Transformer)**	384.9	rft	1,767.15	680176.035
	2	70 mm sq (61/0.099") PVC insulated, PVC sheathed 4 core, 600/1000 volts, copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Main DB for ACs)**	160	rft	2,655.80	424928
		TOTAL				2735605

PROVISION OF Electric Items

Sr. No	Description of Work	No.	Dimensions L	Dimensions H	Qty	Rate	Unit	Amount
1	S/E of street light single arm with 10 meter high octagonal pole hot dip galvanized base 150mm and top dia 60mm thickness 350mm with arm light 500 mm and base plate of 300x300x14mm thick with 80 Watt LED light made of GET technology 7000hrs lifespan i.c foundation complete in all respects as approved by the Engineer in charge.	15			15			1593345
		~~20~~			~~20~~			
				Total	20	106223/-	Each	~~2124460~~
2	S/E of ceiling lights LED 2' X 2'	50			50	3000/-	Each	150000
3	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		3000		~~3000~~			77,100
	---do--- 3/0.029"	1	~~6000~~		~~6000~~	25.70	Rft	~~154200~~
B	---do--- 7/0.029"	1	~~4500~~ 2000		2000 ~~4500~~	40.75	Rft	~~183375~~ 81,500
C	---do--- 7/0.044"	1	~~3200~~ 1500		1500 ~~3200~~	75.10	Rft	~~240320~~ 112,650
D	~~---do--- 19/0.052" 4 core~~	~~1~~	~~600~~		~~600~~	~~1204.55~~	~~Rft~~	~~722730~~
E	---do--- 19/1.63 mm (19/0.064) 4 core	1	350		350	1705.35	Rft	596873
4	S/E of switch piano type	250			250	72.00	Each	18000
5	S/E of socket	250			250	125.6	Each	31400
6	S/E of power plugs ✓	160			160	754.5	Each	120720
7	S/E LED bulb 20 watt ✓	200			200	550 ~~1300/-~~	Each	~~260000~~ 110000
8	S/E LED bulb 45 watt ✓	100			100	1800/-	Each	180000
9	~~S/E of Electric Panel Board consisting of 16-SWG M/S Sheet box (18"x24"x6") duly powder coated i/c cost of 1-No. circuit breaker 30-Amp and 25-No. 10-15-Amp 3-No. volt meter, 1-No. Amp meter, selector switch, L.E.D Neon lights, bus bars, thimbling connections having glass front with rubber gas kit alongwith locking arrangement complete in all respect as approved by the Engineer Incharge.~~							
				~~Total~~	~~6~~	~~35500/-~~	~~Each~~	~~213000~~
10	~~S/E Connection of wires cables and commissioning of distribution board concealed or to be installed on wall, circuit bracker ICU 6 ka make GE, Euprope and USA, overload and short circuit protection including cast of necessary accesiories complete in all respects, earthing with 16 SWG cooper wire, G.I pipe 3/4" dia, 100' long with socket etc~~ (Main DB & SMDBs)	~~1~~			~~1~~	~~1800000/-~~	~~Each~~	~~1800000~~
							Total	~~6705078/-~~
							Say Total	~~6795000/-~~

~~6645078~~
5807318

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

1

ANALYSIS OF RATES

Electric Panel Board 100-AMP

Electric Panel Board consisting of 16-SWG M/S Sheet box **(18"x24"x6")** duly coated i/c cost of 1-No. circuit breaker 30-Amp and 25-No. 10-15-Amp 3-No. meter, 1-No. Amp meter, selector switch, L.E.D Neon lights, bus bars, thimbling ections having glass front with rubber gas kit alongwith locking arrangement complete respect as approved by the Engineer Incharge.

Material	Unit Rate Each			
	Quantity	Unit	Rate	Amount
P/F M.S iron box for housing main switching made of 1/16" thick M.S sheet with locking arrangement complete in all respect (18"x24"x6")	3	P.Sft	3500.00	10500.00
Volt meter 500-Volts	1	Each	550.00	550.00
Ampere mater 500-Amp	1	Each	550.00	550.00
Selector switch	1	Each	500.00	500.00
L.E.D Neon light	3	Each	400.00	1200.00
Thimbles	4	Each	60.00	240.00
Nuts & Bolts		(L.S)		100.00
Power & control cable for internal power and control wiring alongwith airing accessories etc.	1	Each	1500.00	1500.00
IN-COMING				
1-No.30-ampere MCCB Double Pole	1	Each	1600	1600.00
OUT-GOING				
10-No. 10-15-Ampere TP 10KA Legrand, France, Terrasaki Japan.	25	Each	400	10000.00
				26740.00
Labour				
Electrician	1	P.Day	757	~~757.00~~ 1250
Helper skilled cooly	1	P.Day	757	~~757.00~~ 1250
Carriage			**L.S**	350.00
				~~**1864.00**~~ 2850
Sundries 10 percent				~~186.40~~ 285
			TOTAL-B	~~**2050.40**~~ 3135
TOTAL (A+B)				~~**28790.40**~~ 29875
Add Contractors Profit & over head charges 20 percent				~~5758.08~~ 5975
G-TOTAL				~~**34548.48**~~ 35850
		SAY RS.		~~**34,500/**~~ 35500/-

(14)

DISTRIBUTION PANELS/EARTHING

S.No	Description of Item	Qty.		Rate	Unit	Amount
1-	Supply / Installation Connection of wires cable & Commissioning of distribution boards concealed or to be installed on wall, made of 16.SWG M.S Sheet with hinged door, handle, catcher, earthing bar & neutral link with necessary holes, nuts, belts, washers, earthing of DB door with braided copper internal wiring PVC Cable glands for incoming & outgoing wires / cables, 02 earthing terminals designation label engraved on plastic sheet of appropriate size to be pasted on the front side of DB 3-Phase indication lawyer of colour red, yellow, blue make Hager, leg round (France) SV-122, SV 125, SV,126 moulded case circuit breaker with over load & Sheet circuit protection (MCCB) to be installed on the incoming side, ICU not less than 10-KA & for miniature circuit breakers ICU 6-KA make G.E (Europe & USA) M.G Legrand (France) ABB (Italy) Terrasaki (JAPAN) having overload & Short circuit protection i/c cost of necessary accessories, complete in all respect make PEL, SIEMENS, ELECT OPS Engineering's.					
a)	54"x24"x11" 250 Amp (TP) in coming 100 Amp (TP) Out going	2	Nos	225,000	Each	450000
b)	36"x16"x08"	4	Nos	125,000	Each	500000
c)	24"x16"x08" 60 Amp (TP) Out going	6	Nos	100,000	Each	600000
d)	24"x16"x06" (DP)	3	Nos	70,000	Each	210000
2	Earthing with 16-SWG copper wire i/c copper strip 60x16mm and G.I pipe 3/4"dia 100-ft long with socket 100-ft below from ground level i/c making bore hole and filling with salt and charcoal mixture etc complete in all respect and as approved by the engineer incharge.	2	Nos	20,000	Each	40000
				Total	=	1800000
				Say Rs	=	1800000

RAMPS 5 Nos.

S.No	Description		Length		Breadth	Depth		Contents	Amount

1 Pacca Brick work in Ground Floor With Cement sand morter Ratio (1:4).

(5x2) x 8 x 0.75 x 0+3/2 = 90

= 90

@ 34084.10 %cft 30676/-

2 P/Laying Dry Rammed Brick or Stone Ballast 1-1/2" to 2" (40mm to 50mm) guage.

5 x 8 x 2.5 x 0.25 = 25

@ 9023.50 %cft 2256/-

3 Filling ,watering ,Ramming Earth under floor outside lead upto 1 Mile

5 x 8 x 2.5 x 0+2.5/2 = 125

@ 14345.90 %0cft 1793/-

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

5 x 8 x 2.5 x 0.125 = 13

@ 38178.90 %sft 4963/-

5 1-1/2"thick mosaic flooring c/o ½"mosaic 1-1/2"thick mosaic flooring c/o ½"mosaic topping one part of topping one part of cement and marble powder cement and marble powder in ratio (3:1) and two parts of marble in ratio (3:1) and two parts of marble chips laid chips laid over 1" thick floor (1:2:4) i/c rubbing & polishing (Using over 1" thick floor (1:2:4) i/c rubbing & grey cement) polishing (Using grey cement)

5 x 8 x 4 = 160

@ 19573.00 %sft 31317/-

6 1/2" thick cement plaster (1:5) upto 20' height

5 x 2 x 8 x 0+3/2 = 120

@ 3096.90 %sft 3716/-

Total **74721/-**

SAY **74700/-**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

L-Section Main Building

S.No	Description		Length	Breadth	Depth		Contents	Amount
1	Excavation in foundtion for building i/c dag belling, dressing, refilling around structure watering and ramming lead upto one chain and lift upto 5-ft in ordinary soil.							
	1 x	10 x	2 x	3	=		60	
	3 x	14 x	2 x	3	=		252	
	2 x	24 x	2 x	3	=		288	
				Total	=		600	
	@	10677.75					%oCft	= 6407/-
2	Cement concrete using brick or stone ballast 1-1/2" to 2" (1:6:12)							
	1 x	10 x	2 x	0.75	=		15	
	3 x	14 x	2 x	0.75	=		63	
	2 x	24 x	2 x	0.75	=		72	
				Total	=		150	
	@	21237.25					%Cft	= 31856/-
3	Cement concrete plain including placing, compacting ,finishing, curing complete (including screening and washing stone aggregate) ratio (1:4:8)							
	1 x	10 x	2 x	0.25	=		5	
	3 x	14 x	2 x	0.25	=		21	
	2 x	24 x	2 x	0.25	=		24	
				Total	=		50	
	@	24911.65					%Cft	= 12456/-
4	R.C.C in roof slab, beam, columns, lintels, girder and other structural members complete type-C (1:2:4) w/o shuttering							
	1 x	8 x	1.5 x	2	=		24	
	3 x	12 x	1.5 x	2	=		108	
	2 x	22 x	1.5 x	2	=		132	
				Total	=		264	
	@	454.60					PCft	= 120014/-
5	R.C.C in roof slab, beam, columns, lintels, girder and other structural members cast in situ complete type-C (1:2:4)							
	21 x	0.75 x	1.5 x	16.5	=		390	
	21 x	0.75 x	1.5 x	5	=		118	
				Total	=		508	
	@	553.30					PCft	= 281076/-
6	Providing and applying wheather shield paint of approved quality on external surface of building including preparation of surface,application of primer complete in all respect new surface 2 coats.							
	21 x	2 (0.75+1.5) x		21.5	=		2032	
	@	5245.30					%Sft	= 106584/-
							Total	558394/-

SAY= 558000/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

Granite Tile Work

S.No	Description			Length		Breadth		Depth		Contents	Amount
1	Dismantling cement concrete 1:2:4 plain.										
	O.T	1	x	16	x	18	x	0.125	=	36	
		1	x	17.25	x	16	x	0.125	=	35	
		1	x	16	x	18	x	0.125	=	36	
		1	x	10.5	x	7	x	0.125	=	9	
		1	x	7	x	6.5	x	0.125	=	6	
		1	x	7.25	x	9	x	0.125	=	8	
		1	x	4	x	9	x	0.125	=	5	
		1	x	17	x	16	x	0.125	=	34	
		1	x	7	x	9.5	x	0.125	=	8	
		1	x	20	x	9	x	0.125	=	23	
		1	x	9	x	9	x	0.125	=	10	
	Corridor	1	x	31.75	x	9	x	0.125	=	36	
		2	x	31.75	x	24.75	x	0.125	=	196	
		1	x	31.75	x	24.75	x	0.125	=	98	
		1	x	18	x	4	x	0.125	=	9	
	Morchary	1	x	9	x	12	x	0.125	=	14	
		1	x	9	x	5	x	0.125	=	6	
		1	x	9	x	4	x	0.125	=	5	
		1	x	16.5	x	9	x	0.125	=	19	
									=	593	
					@	38178.90				%Cft	226401/-
2	P/Laying Dry Rammed Brick or Stone Ballast 1-1/2" to 2" (40mm to 50mm) guage.										
	O.T.	1	x	16	x	18	x	0.33	=	95	
		1	x	17.25	x	16	x	0.33	=	91	
		1	x	16	x	18	x	0.33	=	95	
		1	x	10.5	x	7	x	0.33	=	24	
		1	x	7	x	6.5	x	0.33	=	15	
		1	x	7.25	x	9	x	0.33	=	22	
		1	x	4	x	9	x	0.33	=	12	
		1	x	17	x	16	x	0.33	=	90	
		1	x	7	x	9.5	x	0.33	=	22	
		1	x	20	x	9	x	0.33	=	59	
		1	x	9	x	9	x	0.33	=	27	
	Corridor	1	x	31.75	x	9	x	0.33	=	94	
		2	x	31.75	x	24.75	x	0.33	=	519	
		1	x	31.75	x	24.75	x	0.33	=	259	
		1	x	18	x	4	x	0.33	=	24	
	Morchary	1	x	9	x	12	x	0.33	=	36	
		1	x	9	x	5	x	0.33	=	15	
		1	x	9	x	4	x	0.33	=	12	
		1	x	16.5	x	9	x	0.33	=	49	
									=	1560	
					@	9023.50				%Cft	~~140767/-~~
3	Cement concrete plain including placing , compacting, finishing and curing complete (includingscreening and washing of stone aggregate). Ratio 1:2:4										
	As per item 1			593						%Cft 38178.90	226401/-
4	Providing and laying Flooring of Glazed tile 3/4" thick , laid in (1:2) 3/4" thick cement sand mortar and pigment, finished labour and carriage charges complete in all respect as approved by the Engineer Incharge **(600mmx600mm)**										
	O.T	1	x	16	x	18			=	288	
		1	x	17.25	x	16			=	276	
		1	x	16	x	18			=	288	
		1	x	10.5	x	7			=	74	
		1	x	7	x	6.5			=	46	
		1	x	7.25	x	9			=	65	

S.No	Description			Length		Breadth		Depth		Contents	Amount
		1	x	4	x	9			=	36	
		1	x	17	x	16			=	272	
		1	x	7	x	9.5			=	67	
		1	x	20	x	9			=	180	
		1	x	9	x	9			=	81	
	Corridor	1	x	31.75	x	9			=	286	
		2	x	31.75	x	24.75			=	1572	
		1	x	31.75	x	24.75			=	786	
		1	x	18	x	4			=	72	
	Morchary	1	x	9	x	12			=	108	
		1	x	9	x	5			=	45	
		1	x	9	x	4			=	36	
		1	x	16.5	x	9			=	149	
									=	4724	
					@	340.55				PSft	1608907/-
5	Removing cement or lime mortar from walls										
	O.T	(1x2)	x	16	+	18	x	5	=	340	
		(1X2)	x	17.25	+	16	x	5	=	333	
		(1x2)	x	16	+	18	x	5	=	340	
		(1X2)	x	10.5	+	7	x	5	=	175	
		(1x2)	x	7	+	6.5	x	5	=	135	
		(1X2)	x	7.25	+	9	x	5	=	163	
		(1x2)	x	4	+	9	x	5	=	130	
		(1X2)	x	17	+	16	x	5	=	330	
		(1x2)	x	7	+	9.5	x	5	=	165	
		(1X2)	x	20	+	9	x	5	=	290	
		(1x2)	x	9	+	9	x	5	=	180	
	Corridor	(1X2)	x	31.75	+	9	x	5	=	408	
		(2x2)	x	31.75	+	24.75	x	5	=	1130	
		(1X2)	x	31.75	+	24.75	x	5	=	565	
		(1x2)	x	18	+	4	x	5	=	220	
	Morchary	(1X2)	x	9	+	12	x	5	=	210	
		(1x2)	x	9	+	5	x	5	=	140	
		(1X2)	x	9	+	4	x	5	=	130	
		(1x2)	x	16.5	+	9	x	5	=	255	
									=	5638	
					@	423.30				%sft	23864/-
6	Providing and laying Skirting/dado of Glazed tile 3/4" thick , laid in (1:2) 3/4" thick cement sand mortar and pigment, finished labour and carriage charges complete in all respect as approved by the Engineer Incharge **(600mmx600mm)**										
	As per item 5			5638						PSft 341/-	1919851/-
										Total	~~4146191/-~~
										SAY= ~~4146000~~/-	4005424
										4005500	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

Patient waiting Shed & Steel Railing and Pvc Doors

S.No	Description		Length		Breadth	Depth		Contents	Amount
1	P/F Shed making with G.I Pipe 4" Dia and1-1/2"+1-1/2" base pipe i/c fixing struts 3 ply etc.								
		1 x	46.5	x	25.25		=	1174	
		1 x	11.5	x	17.5		=	201	
							=	1375	
				@	1050/-	NS		PSft	1444144/-
2	P/Fixing Stainless Steel Railing 2" Dia pipe 4" Outer top railing pipe etc.								
		1 x	25				=	25	
		2 x	35				=	70	
							=	95	
				@	3200/-	NS		PRft	304000/-
3	Providing and fixing collapsible gate made of 2"x2"x"¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled,complete in working order.(CH#25 item 36,P#157)								
		3 x	12.5			x 8.5	=	319	
							=	319	
				@	1596.30			PSft	508821/-
4	P/F 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 including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge								
		3 x	12.5			x 8.5	=	319	
							=	319	
				@	1437.70			PSft	458267/-
4	P/F Poly door 1.5" thick of ornamental fancy type with nails, screws,hinges also including carriage charges complete in all respect as approved by the engineer in-charge								
		3 x	12.5			x 8.5	=	319	
							=	319	
				@	800/-	NS		PSft	255000/-
								Total	~~2970232/-~~ 0

SAY= ~~2970000/-~~ 0

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

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

2864 8ft @ 727.25 = 2082844/-

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

Qty. $\frac{2684}{2}$ = 1342 Sft

@ 493.05/P.Sft

Rs 661673/-

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

P/L all type … delux secti… leaf frame … glass with … approved … approved by engineer incharge. … sing … and … ted … sing … as

10	3.5	6.5		228
35	2.5	7		613
25	3.5	8.5		744
1	2.5	8.5		21
4	4	7		112
3	10	8.5		255
2	5	8.5		85
2	7	8.5		119
6	3	8.5		153
1	11	8.5		94
7	4	8.5		238
4	3	7		84
1	8	8.5		68
1	6	8.5		51
			Total	2864

@ ~~1437.6~~ 502.20 PSft ~~4116568~~ 1438301/-

2 Providing and fixing all types of glazed aluminium windows of anodised champage colour partially fixed and partially slidinf delux section of approved manufacturer having frmae of size 100mm X 30mm using frame at bottom, at top and side leaf frame sections of 60mm X23mm at top and bottom size 45mm X 25mm at center size 45mm X25 mm at sides, jali leaf frame size 43mm X13mm including fine quality aluminium jali, 5mm thick imported tilted glass with rubber gas kit using approved standard latching, wheel stopper, brush, channel angle, joint and hardware complete 1.6mm thick.

2	8	4		64
26	6	4		624
10	3	2		60
3	9	2		54
2	4.5	6		54
14	6	6		504
4	8	7		224
14	6	7		588
8	4	7		224
3	4	2		24
26	2	2		104
10	2.5	6		150
1	5	2		10
			Total	2684

@ 1348.4 PSft 3619106

3 ~~Provi…~~ ~~desig…~~ ~~…vs of approved.~~

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

2684

~~491.80~~ @ PSft ~~1319991~~

@ 854.65/- Rs 584581/-

4 R/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.

2	(16+12)	12	672
2	(12+14)	12	291
6	(12+12)	12	1728
2	(15+17)	12	768
2	(23+14)	12	888
4	(16+18)	12	1632
2	(10+7)	12	408
2	(7.5+9)	12	396
2	(5+9)	12	336
6	(18+8)	12	1872
2	(18+22)	12	960
2	(8+5)	12	312
4	(8+10)	12	864
4	(5+8)	12	624
2	(14+10)	12	576
2	(18+20)	12	912
2	(5+6)	12	264
2	(19+14)	12	792
2	(5+7)	12	288
2	(14+12)	12	624
4	(16+14)	12	1440
2	(14+18)	12	768
6	(5+5)	12	720
2	(14+16)	12	720
2	(16+9)	12	600
4	(5+6)	12	528
2	(19+12	12	744
2	(5+5)	12	240
2	(20+12)	12	768
2	(12+12)	12	576
4	(14+12)	12	1248
2	(8+7)	12	360
2	(10+5.5)	12	372
		Total	24291

120/- @ ~~192/-~~ PSft ~~4663872-0~~ 2914920

5 Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more then 85% tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile Aluminm angle & Tee size 1-1/4"x1-1/4"x1/32" thick and supported with walls with L iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 40' etc complete as per satisfaction of Engineer Incharge 6mm thick.

1	16	12	192
1	12	14	168
3	12	12	432
1	15	17	255
1	23	14	322
2	16	18	576
1	10	7	70
1	7.5	9	67.5
1	5	9	45
3	18	8	432
1	18	22	396
1	8	5	40
2	8	10	160
2	5	8	80

1	14	10		140
1	18	20		360
1	5	6		30
1	19	14		266
1	5	7		35
1	14	12		168
2	16	14		448
1	14	18		252
4	5	5		100
1	14	16		224
1	16	9		144
2	5	6		60
1	19	12		228
1	5	5		25
1	20	12		240
1	12	12		144
2	14	12		336
1	8	7		56
1	10	5.5		55
			Total	6547
			@	85/15 PSft ~~557434~~ 0

6 Providing and fixing L.E.D scheet 3mm thick fixed on walls as approved by the engineer incharge

1	2	(16+12)	12	672 ~~636~~	
			@	~~2600/-~~ 1200	PSft ~~1653600~~ 80,64,00

7 Distempering old suirface 2 coats including scrapping

2	(22.75+12.25)	12	840
1	22.75	12.25	279
2	(14+16.5)	12	732
1	14	16.5	91
2	(22+14)	12	864
1	22	14	308
4	(6+5)	7	308
2	6	5	60
2	(21+7.5)	12	624
1	21	7.5	158
2	(14+14)	12	672
1	14	14	196
4	(17.5+14)	12	1512
2	17.5	14	490
4	(6+5)	8	352
2	6	5	60
2	(12+14)	12	624
1	12	14	168
2	(17.5+14)	12	756
1	17.5	14	245
4	(6+5)	8	352
2	6	5	60
2	(14+19.5)	12	804
1	14	19.5	273
2	(12+14)	12	624
1	12	14	168
2	(17.5+14)	12	756
1	17.5	14	245
4	(6+5)	8	352
2	6	5	60
2	(14.5+19.5)	12	804
1	14	19.5	273
2	(12+14)	12	624

1	12	14	168
6	(9+9.5)	12	1332
3	9	9.5	257
12	(4+4)	12	1152
6	4	4	96
2	(9.5+10.5)	12	480
1	9.5	10.5	100
2	(5+4)	12	216
1	5	4	20
2	(8.25+5)	12	318
1	8.25	5	41
2	(20.75+17.5)	12	918
1	20.75	17.5	363
2	(16+11)	12	648
1	16	11	176
2	(28+26)	12	1296
1	28	26	728
4	(14+12)	12	1440
2	14	16	448
4	(7+5)	12	576
2	7	5	70
2	(29.5+36.50)	12	1584
1	29.5	36.5	1077
2	(8+10)	12	432
1	8	10	80
4	(10+10)	12	960
2	10	10	200
4	(8+18)	12	1248
2	8	18	288
6	(4+6)	8	480
3	4	6	72
2	(13+12)	12	600
1	13	12	156
4	(12+12)	12	1152
2	12	12	288
2	(6+12)	12	432
1	6	12	72
2	(8+8)	12	384
1	8	8	64
2	(13+21.50)	12	828
1	13	21.5	280
2	(14+25.50)	12	948
1	14	25.5	357
8	(60+7)	8	4288
4	60	7	1680
2	(12+12)	12	576
1	12	12	144
4	(10+6)	12	768
2	10	6	120
4	(15.5+12)	12	1320
2	15.5	12	372
2	(9.5+12)	12	516
1	9.5	12	114
4	(4+5)	8	288
2	4	5	40
2	(14+12)	12	624
1	14	12	168
4	(8+7)	8	480
2	8	7	112
4	(16+12)	12	1344

2	16	12		384
2	(8+12)	12		960
1	8	12		96
4	(16+18)	12		1632
2	16	18		576
2	(5.75+10.5)	12		390
1	5.75	10.5		60
2	(5.75+5.75)	8		184
1	5.75	5.75		33
4	(25+25)	12		2400
2	25	25		1250
4	(16+17.50)	12		1608
2	16	17.5		560
4	(7+10.5)	12		840
2	7	10.5		147
4	(62+7)	12		3312
2	62	7		868
4	(36+47.5)	12		4008
2	36	47.5		3420
12	(9+19.5)	12		2664
6	9	19.5		1053
4	(11.5+13)	12		1176
2	11.5	13		299
4	(10+15)	12		1200
2	10	15		300
4	(10+15.50)	12		1224
2	10	15.5		310
14	(6+6)	8		1344
7	6	6		252
20	(4.5+4)	8		1360
10	4.5	4		180
2	(106+7)	12		2712
1	106	7		742
			Total	88057
D/d doors and window			(-)	27155
			Net Tota	60903

@ 1467.05 %Sft 893470

Total:- ~~16824041~~ ~~14,227,889~~ 5660,869 | 2

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

(11)

Analysis of Rate for

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.

Detail		Unit Rate (British System) for Per Sft				
		Qty		Rate Per Unit		Amount Rs.
MATERIAL						
PVC cladding printed strip 7" to 10" width 7mm thick. (N.S) 1x10x4 = 40.00 Sft add: 5% Wastage = 2.00 Sft Total = 42.00 Sft		42.00	Sft	75.00	Sft	3150.00
End "U" profile (N.S) 1x10 = 10.00 Rft add: 5% Wastage = 0.50 Rft Total = 10.50 Rft		10.50	Rft	25.00	P.Rft	262.50
Inside outside corner (N.S) 1x10 = 10.00 Rft add: 5% Wastage = 0.50 Rft Total = 10.50 Rft		10.50	Rft	25.00	P.Rft	262.50
Cost of steel nail & screws (N.S)					L.S	300.00
					Total	**3975.00**
Contractor profit & Overhead Charge	20 Percent	on	Rs.	3975.00		795.00
					Total	**4770.00**
LABOUR						
Labour for laying panelling in specified pattern i/c cutting where required and finishing complete. Carpanter (LB-029)		1.00	No	757	P.Day	~~757.00~~ 1250
Coolly (LB-015)		1.00	No	673	P.Day	~~673.00~~ 962
					Total	~~1430.00~~ 2212
Add: Sundries	10 Percent					~~143.00~~ 221.2
					Total	~~1573.00~~ 2433.2
Contractor profit & Overhead Charge	20 Percent					~~314.60~~ 486.64
					Total	~~1887.60~~ 2919.84

ITEM RATE

Df

12

2919.84 7689.84

Composite rate for 40 Sft (4770.00 + ~~1887.60~~) = Rs. ~~6657.60~~

7689.84 192.24

Composite rate for Per Sft $= \frac{\cancel{6657.60}}{40} =$ ~~166.44~~

192

Say Rs. ~~165.00~~ P.Sft

Sub Divisional Office
Building Sub Division
Pindi Bhattian

Improvement to the Reception Counters in THQ Hospital Pindi Bhatiian

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			
					Net Total	158	32413.35	%cft	51112
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	31900.30	%cft	15073
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	553.30	P.cft	9337
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	31381.20	%.Kg	16193
5	P/F prepolished porceline tile with dry / wet / venired application, dww series polished (light color) class sb 600 mmx600mm tile laid in white cement over a bed of 3/4" thick c/s mortar 1:2 i/c filling of joints with matching pigment complete in all respect as approved by the engineer incharge (for floor) Master								
	Reception room	1	17 1/2	12		210			
					Total	210	340.55	P.Sft	71,516
6	Prepolished Porceline tile with dry / wet / venired application, dww series polished (light color) class sb 600mmx600mm tile laid in white cement over a bed of 3/4" thick c/s mortar 1:2 i/c filling of joints with matching pigment complete in all respect as approved by the engineer incharge (for dado) Master								
	Room	2	17 1/2		5	175			
		2	12		5	120			
	counter	4	2		3	24			
					Total	319	340.55	P.Sft	108635
7	Providing and laying 3/4" thick prepolished china verona marble rendum slab for **kitchen shelves, counter** size upto 12 sft , laid in white cement over a bed of 3/4" thick cement sand mortar ratio 1:2, filling joints with white cement mixed with matching pigment, including cost of labour, materials, carriage, cutting marble, making bull nozing on both exposed edges, finishing, etc., complete in all respects and as approved / directed by the Engineer incharge.								
		1	17 1/4	2 1/4		39			
					Total	39	412.35	P.Sft	16004
8	Cement plaster 1:5 c/s plaster 1/2" thick								
		2	17 1/2		7	245			
		2	12		7	168			
					Total	413	3096.90	%Sft	12790

9	Preparing surface and painting with emulsion paint: two coats on new surface								
		1	17 1/2	12		210			
	as per above qty					413			
					Total	623	2796.55	P.Sft	17423
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.								
	D4	1	3 1/2		8 1/2	30			
					Total	30	1437.60	P.sft	42769
11	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. 1.6 mm thick								
	W2	1	4		6	24			
	Counter	1	17		1 1/2	26			
					Total	50	1348.40	P.sft	66746
12	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 artictureal 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								
	Que separator	3	6			18			
					Total	18	2361.45	P.Rft	42506
13	Refixing of already available railing complete in all respects as approved by the engineer in charge	2				18			
					Total	18	100.00	P.Job	1800

Total	**471903**
Say Total	**472000**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

OPERATION THEATER/ LABOUR ROOM

S.No	Description			Length		Breadth		Depth		Contents	Amount
1	Dismantling cement concrete 1:2:4 plain.										
	O.T	4	x	16	x	18	x	0.125	=	144	
		1	x	6.75	x	7	x	0.125	=	6	
		1	x	10.5	x	7	x	0.125	=	9	
		1	x	9.75	x	7	x	0.125	=	9	
		1	x	20.5	x	9	x	0.125	=	23	
		1	x	9	x	9.5	x	0.125	=	11	
									=	202	
					@	11174.60				%Cft	22573/-
2	P/Laying Dry Rammed Brick or Stone Ballast 1-1/2" to 2" (40mm to 50mm) guage.										
	O.T	4	x	16	x	18	x	0.33	=	380	
		1	x	6:75	x	7	x	0:33	=	16	
		1	x	10.5	x	7	x	0.33	=	24	
		1	x	9.75	x	7	x	0.33	=	23	
		1	x	20.5	x	9	x	0.33	=	61	
		1	x	9	x	9.5	x	0.33	=	28	
									=	532	
					@	9023.50				%Cft	~~48005/-~~
3	Cement concrete plain including placing, compacting, finishing and curing complete (includingscreening and washing of stone aggregate). Ratio 1:2:4										
	As per item 1			202					%Cft	38178.90	77121/-
4	Providing and laying Flooring of Glazed tile 3/4" thick, laid in (1:2) 3/4" thick cement sand mortar and pigment, finished labour and carriage charges complete in all respect as approved by the Engineer Incharge 600mmx600mm										
	O.T	4	x	16	x	18			=	1152	
		1	x	6.75	x	7			=	47	
		1	x	10.5	x	7			=	74	
		1	x	9.75	x	7			=	68	
		1	x	20.5	x	9			=	185	
		1	x	9	x	9.5			=	86	
								TOTAL		1611	
					@	340.55				PSft	548626/-
5	Removing cement or lime mortar from walls										
		4	x	2	x	(18+16)*5			=	1360	
		1	x	2	x	(6.75+7)*5			=	138	
		1	x	2	x	(10.50+7)*5			=	175	
		1		2		(9.75+7)*5				168	
		1	x	2	x	(20.5+9)*5			=	295	
		1	x	2	x	(9+9.5)*5			=	19	
	D/d dory 9x3.5x5 =							Total		2155-158=1997	
					@	423.30				%sft	~~9122/-~~ 8453/-
6	Providing and laying Skirting/dado of Glazede tile 3/4" thick, laid in (1:2) 3/4" thick cement sand mortar and pigment, finished labour and carriage charges complete in all respect as approved by the Engineer Incharge 600mmx600mm										
		4	x	2	x	(18+16)*5			=	1360	
		1	x	2	x	(6.75+7)*5			=	138	
		1	x	2	x	(10.50+7)*5			=	175	
		1		2		(9.75+7)*5				168	
		1	x	2	x	(20.5+9)*5			=	295	
		1	x	2	x	(9+9.5)*5			=	19	
	D/d doors							Total		2155-158=1997	
					@	340.55				%sft	~~7339/-~~

Supply and installation premimum graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved
(b) 2.5mm thick

2(18+16)x12 = 816 sft @ 2250/- = 1836000/-

Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the
(b) Bevelled edges & flange 21.5 mm
(iii)600 mmX 600 mm

1x18x16 = 288 sft @ 550/- = 158400/-

Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer
(a) ~~Cementitious Urethane~~
(b) Epoxy
(c) Polyurethane
~~(d) Urethane~~

1x18x16 = 288 sft @ 540/- = 155520/-

S.No	Description		Length		Breadth		Depth		Contents	Amount
7	P/L anti- microbial PVC panneling for OT and labour room, Anti static and antimicrobial vinyl flooring and roof treatement as directed by engineer incharge									
		4	x	16	x	18	=		1152	
		1	x	6.75	x	7	=		47	
		1	x	10.5	x	7	=		74	
		1	x	9.75	x	7	=		68	
		1	x	20.5	x	9	=		185	
		1	x	9	x	9.5	=		86	
		4	x	2	x	(18+16)*11	=		2392	
		1	x	2	x	(6.75+7)*11	=		303	
		1	x	2	x	(10.50+7)*11	=		385	
		1		2		(9.75+7)*11			369	
		1	x	2	x	(20.5+9)*11	=		649	
		1	x	2	x	(9+9.5)*11	=		407	
							TOTAL		6116	
					@	600/-		PSft		~~3669600/-~~

Total ~~4382386/-~~

2,862,706

SAY= ~~4382000/-~~

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

(13)

Analysis Of Rate For

antistatic anti bectarial vinyl flooring with fixation on existing wall i/c carriage of material from market on site of ork complete in all respect as approved/ directed by the Engineer Incharge

No	Detail	Unit Rate P.Sft				
		Quantity		Rate per unit		Amount
	For Analysis (100.00 Sft)					
	MATERIAL					
1	P/F Led sheetwith 5% wastage	105.00	Sft	458	P.Sft	48090.00
	Total					**48090.00**
						9618.00
	Contractor profit & over head's 20%					**57708.00**
	Total					1250
	LABOUR					~~1000.00~~
1	Carprnter (LB-029)	1.00	Nos	1000.00	P.Day	~~750.00~~ 962
2	Helper (LB-061)	1.00	Nos	750.00	P.Day	~~1750.00~~ 2212
	Total					~~175.00~~ 221.2
	Sundries 10%					~~1925.00~~ 2433.2
	Total					~~385.00~~ 486.65
	Contractor profit & over head's 20%					~~2310.00~~ 2919.85
	Total					
	Item Rate			2919.85		23.10 606.27
	Labour Rate Per Sft	57708.00	+	~~2310.00~~		~~60018.00~~
	Composite Rate per % P.Sft					~~600.18~~ 606.27
	Composite rate per Sft					600.00
	Say					

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2021(1st Jan ,2021 To 30th june ,2021.) District Gujranwala.

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Gate and Gate Pillars

MRS 2nd bi-annual 2022 (Hafizabad)

S.No	Description	Nos	Length	Breadth	Depth	Contents	Amount
1	Excavation in foundtion for building i/c dag belling, dressing, refilling around structure						
		1 x 3 x	3.5	x 3.5	x 3	= 110	
					Total	= 110 Cft	
				@ 10677.75		%oCft	1177
2	Cement concrete (1:6:12)						
		1 x 3 x	3.5	x 3.5	x 0.5	= 18 Cft	
				@ 21237.25		%Cft	3902
3	RCC work (1:2:4) w/o shuttering.						
		1 x 3 x	3	x 3	x 1	= 27	
		1 x 3 x	2.25	x 2.25	x 1.5	= 23	
		1 x 3 x	0.75	x 0.75	x 10	= 17	
					Total	= 67 Cft	
				@ 454.60		P.Cft	30302
4	Fabrication of mild steel reinforcement i/c cutting binding (deformed bars)						
		=	67	x 6.75	x 0.454	= 204	
					Total	204 Kgs	
				@ 31381.20		% Kgs	64018
5	Pucca brick work (1:4) OTB						
		3 x 4 x	2.25	x 0.75	x 10	= 203	
		3 x 2 x	0.25	x 0.75	x 10	= 11	
					Total	= 214 Cft	
				@ 32985.10		% Cft	70588
6	Cement pointing struck joints on walls with c.s 1:2 with red oxide pigment.						
		3 x 2 x	2		x 8	= 96	
		3 x 2 x	2.25		x 8	= 108	
					Total	= 204 Sft	
				@ 4170.85		%Sft	8509
7	Making and fixing steel grated door with 1/16"thick m.s. sheeting i/c angle iron frame 2"x2"x3/8"and ¾" square bar 4"c/c with locking arrangement.						
		1 x	12		x 6.5	= 78	
		1 x	4		x 6.5	= 26	
					Total	= 104 Sft	
				@ 2371.25		PSft	246610
8	Painting to iron gate 3 coats on new surface.						
		1 x 2 x	12		x 6.5	= 156	
		1 x 2 x	4		x 6.5	= 52	
					Total	= 208 Sft	
				@ 2387.45		%Sft	4966
						Total	**430072**
						Say	**430000**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Hafizabad

Executive Engineer
Building Division
Hafizabad

Analysis of Rate (Culvert)

S.No	Description	Nos				Length		Breadth		Depth		Contents	Amount
1	Excavation in foundtion for building i/c dag belling, dressing, refilling around structure watering and ramming lead upto one chain and lift upto 5-ft in												
				2	x	25	x	4	x	4	=	800	
										Total	=	**800**	Cft
							@	10677.75				%oCft	= 8542/-
2	Cement concrete using brick or stone ballast 1-1/2" to 2" gauge in foundation and plinth (ratio 1:6:18)												
				2	x	25	x	4	x	1	=	200	Cft
										Total	=	**200**	**Cft**
							@	19762.45				%Cft	= 39525/-
3	R.C.C in slab of raft / strip foundation basis slab of columns not requiring form work (Type C) Nominal mix 1:2:4												
				2	x	25	x	1-1/2	x	2	=	150	
				1	x	25	x	25	x	3/4	=	469	
										Total	=	**619**	Cft
							@	454.60				P.Cft	= 281397/-
4	Fabrication of mild steel reinforcement for cement concrete i/c cutting binding etc laying in position (deformed bars 40-grade)												
	Take 10 Lbs of Item above			=		619	x	10	x	0.454	=	2810	
										Total		**2810**	Kgs
							@.	31381.20				% Kgs	= 881812/-
5	Pucca brick work in cement sand morter (1:4) other then building upto 10' height.												
				2	x	25	x	1-1/8	x	3	=	169	Cft
				2	x	3/4	x	3/4	x	10	=	11	Cft
										Total	=	**180**	Cft
							@	32985.10				% Cft	= 59373/-
6	Cement pointing struck joints on walls with c.s morter 1:2 with red oxide pigment												
				2	x	2	x	25	x	3	=	300	
				2	x	1	x	25	x	4	=	200	
										Total	=	**500**	Sft
							@	4170.85				%Sft	= 20854/-
										Total			**= 1291504/-**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

Cost of Dismantling

1 Dismantling dry brick mansonry

Soiling	1	61	10	0.375	229
	1	86	42	0.375	1355
	1	22	10	0.375	83
	1	300	22	0.375	2475
	1	250	22	0.375	2063
	1	20	22	0.375	165
	1	25	18	0.375	169
	1	70	70	0.375	1838
	1	63	52	0.375	1229
	1	88	10	0.375	330
	2	10	5	0.375	38
	1	86	25	0.375	806
	1	10	5	0.375	19
	1	85	26	0.375	829
	3	10	10	0.375	113
	1	24	57	0.375	513
	1	17	46	0.375	293
				Total	**12543 Cft**

1		@ 863.50		%Cft	108309
2	Removing door with chowket				
		@ 438.00	102 No.	Each	44676
3	Removing window and skylights with chowket				
		@ 341.50	123 No.	Each	42005
				Total:-	194990
				SAY	195000

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

Credit of old material

	Sr. No.	Description of Work				Qty	Rate	Unit	Amount
				B	H				
	1	Old Bricks 9"x 4 1/2"x 3" Partially serviceable	12,543	13.50	60%	101598			
					Total	101598	4500	%oNos	457192
	2	Old Bats unserviceable							
			12,543		40%	5017	Cft		
					Total	5017	2500	% Cft	12543
	3	Old door unserviceable							
						102	No		
					Total	102	3500	Each	357000
	4	Old windows unserviceable				123	No		
					Total	123	2000	Each	246000

Total **1072735**

Say Rs **1073000**

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

ANALYSIS OF RATE FOR P/I FIRE ALARM CUM SMOKE DETECTOR COMPLETE IN ALL RESPECT AND AS APPROVED BY THE E.I

A	Material	Qty	Unit	Rate	Amount
1	Fire Alarm cum Smoke Detector	1	Each	35000	33100
	A.Total:				33100
B	LABOUR CHARGES				
1	Electrician(LB-0.35)	1/5	P.day	1250	250.00
	Total:				**250.00**
	B.Total:				**250.00**
				Total (A + B):	**33350.00**
				Add 20% Contractor Profit	6670.00
				G.Total:	**40020.00**
				Say Rs.	**40000/- Each**

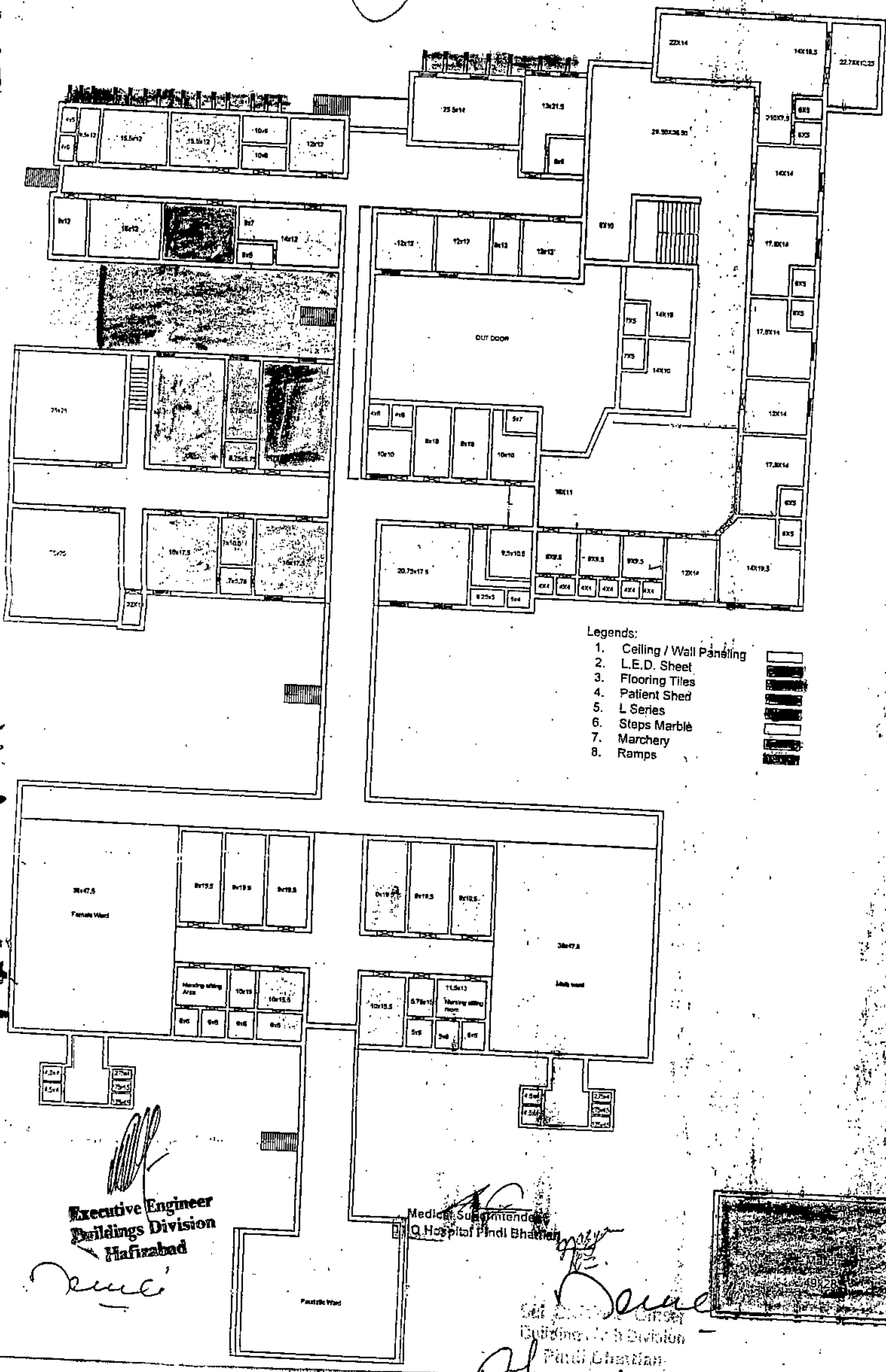
Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the BI-ANNUAL PERIOD (1st July, 2022 TO 30th Dec, 2022) and as per prevailing Market.

Sub Divisional Officer
Buildinds Sub Division
Pindi Bhattian

Executive Engineer
Building Division
Hafizabad

T.H.Q. PINDI BHATTIAN

15

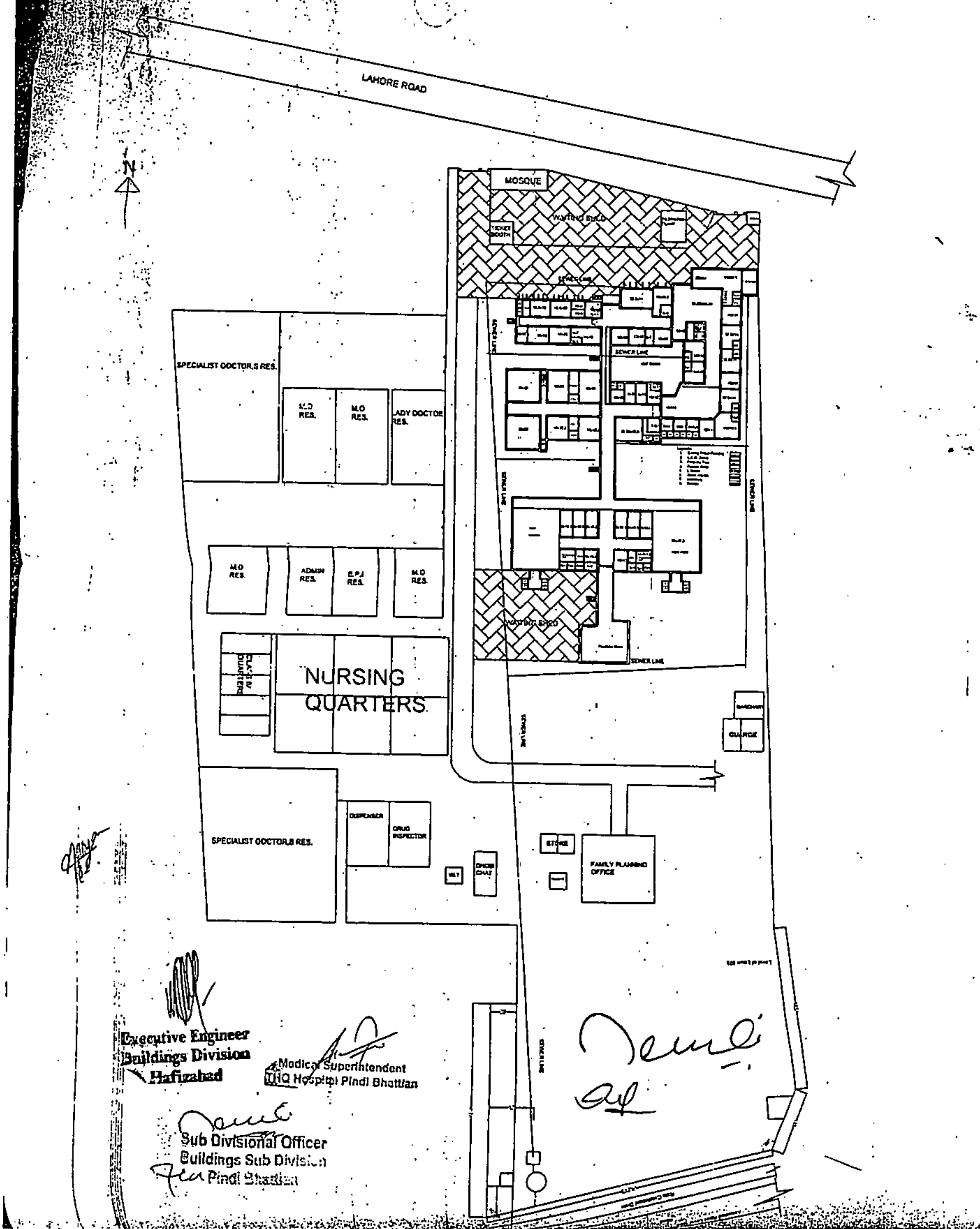


Executive Engineer
Buildings Division
Hafizabad

Medical Superintendent
T.H.Q Hospital Pindi Bhattian

Building Sub Division
Pindi Bhattian

LINE PLAN THQ PINDI BHATTIAN



Executive Engineer
Buildings Division
Hafizabad

Medical Superintendent
THQ Hospital Pindi Bhattian

Sub Divisional Officer
Buildings Sub Division
Pindi Bhattian

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010031
A/C To be Credited: Account-I

PKR Million

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

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010031
A/C To be Credited: Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

No modern health facilities and scientific diagnostics are presently available in this Hospital. This initiative of revamping Hospital covers all departments and components of healthcare including Medical, Surgical, psychiatric, Cardiac, ENT, Ophthalmic and Pediatrician components. Moreover, women health components i.e. Gymea 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

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	33.000	17.246	4.520	3.720	5.275	7.341	71.103
Utilization	13.760	16.711	4.520	3.241	5.010	0.777	44.020

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	5.000	5.000
Utilization	0	0	0	0	0	0	0

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

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 gazetted and non-gazetted 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

undefined

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, the 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:

Laboratory fees
Diagnostic facility fees
X-Ray fee
Dental fee
ECG fee
Private room charges
Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

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

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

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17. RELATION WITH OTHER PROJECTS