



PC-1

Revamping of THQ Hospital, Hassan Abdal District Attock

ORIGINAL APPROVED COST	PKR Million. 340.821/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Hassan Abdal District Attock

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. ATTOCK

2.2. TEHSIL(S)

I. HASSANABDAL

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	GS No: 5243
4	Total Allocation: 0.000
5	Funds Diverted: 0.000
6	Balance Funds: 0.000
7	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

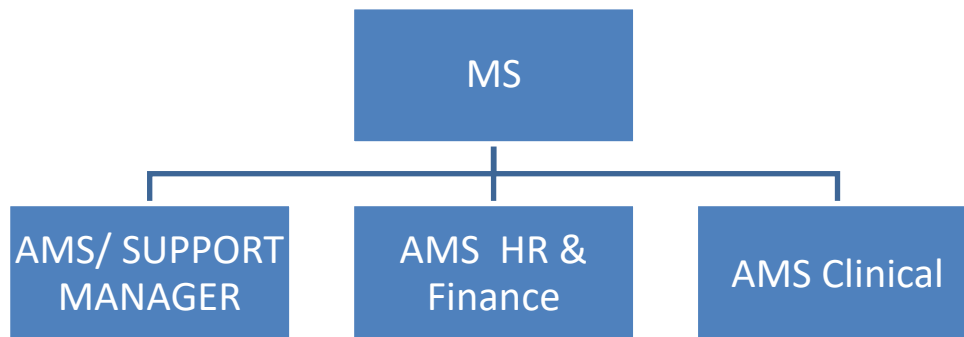
5.4.5 Security

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

5.6 HR & Management Interventions Structure

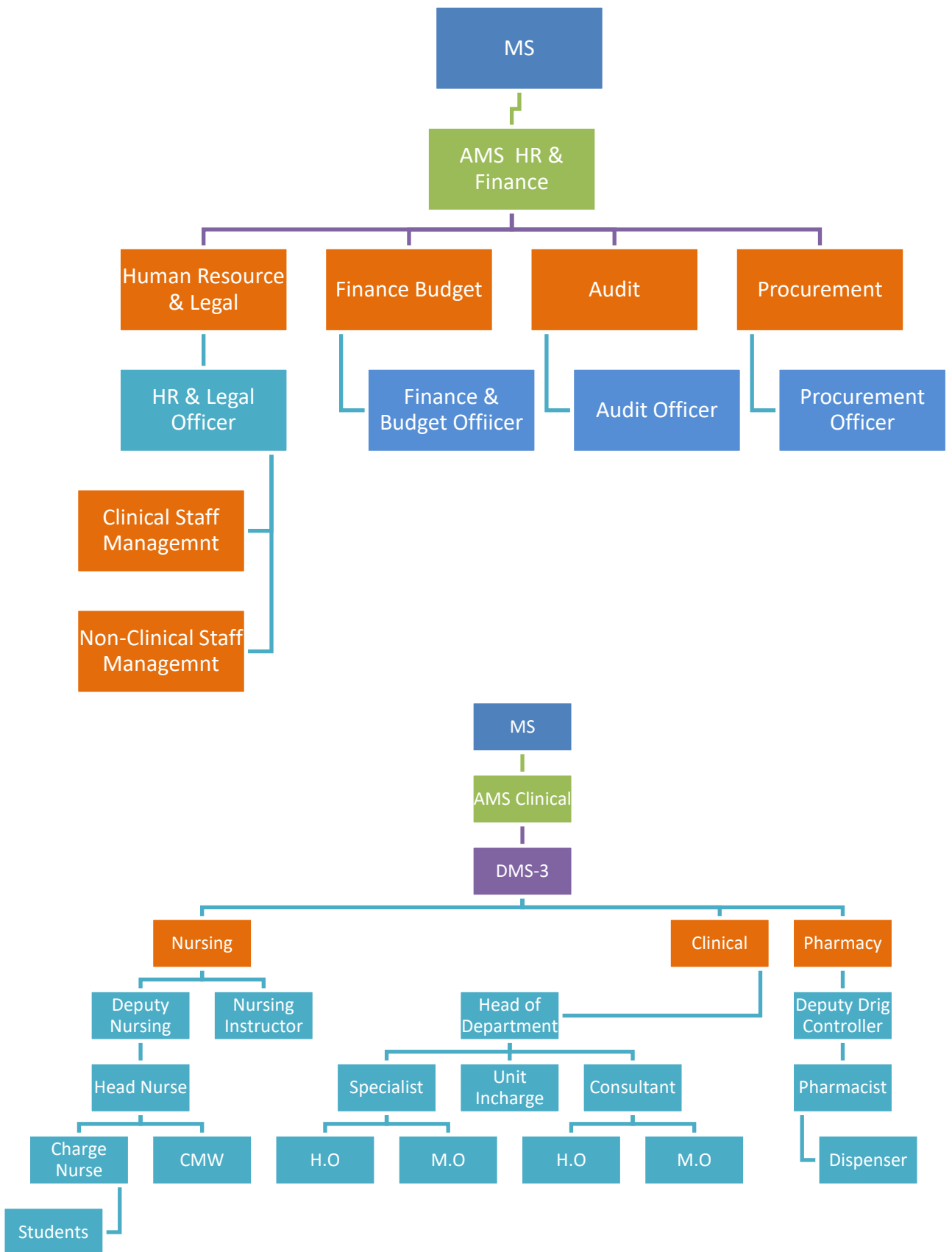
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

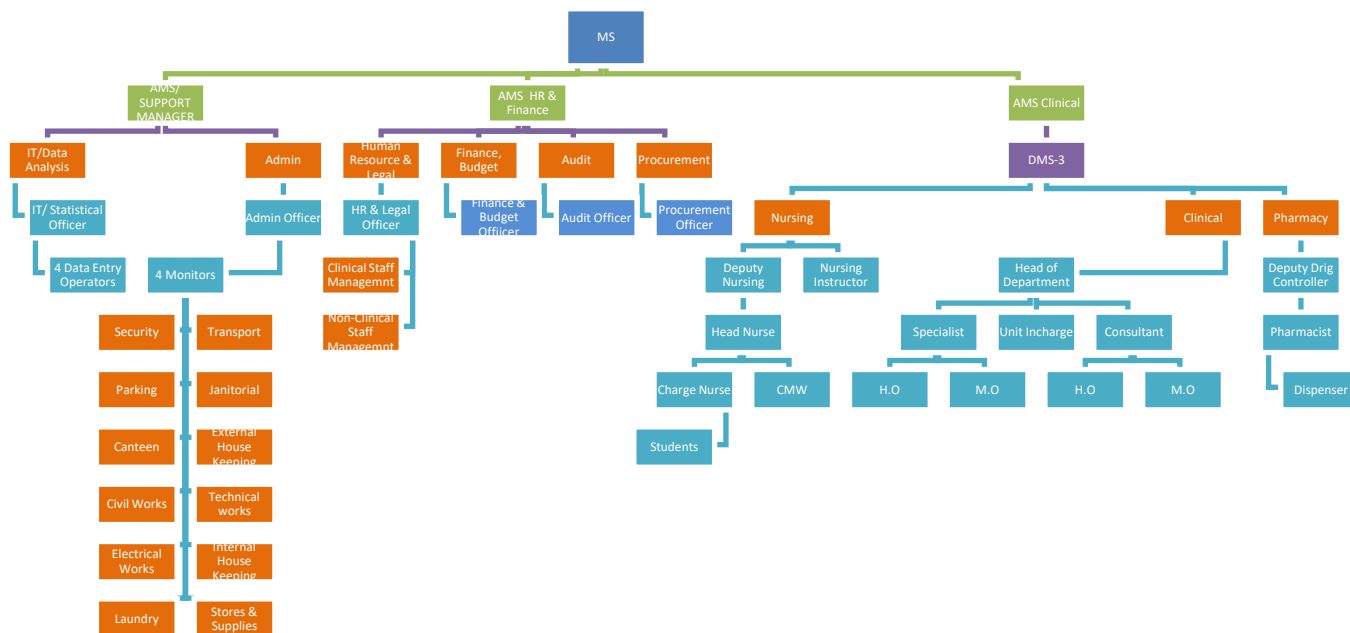
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

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 Hassan Abdal District Attock is more than 0.507 million. The area of the THQ Hospital Hassan Abdal District Attock is 45,909 SFT land.

6.1 Description and Justification

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

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

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

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

Justification for 3rd Revision of PC-I

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

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

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

3. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.
4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 94.954 million to Rs. 97.916 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:LO17010567
A/C To be Credited:Assan Assignment

PKR Million

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

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010044
A/C To be Credited:Account-I

PKR Million

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

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

Name of THQ Hospital	Revaming of THQ Hassan Abdal											
Scope of work	Cost in million											
	Original			1st Revised			2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal Development	0.000	17.881	17.881	0.000	17.881	17.881	63.571	5.000	68.571	73.007	5.000	78.007
External Development	0.000	1.932	1.932	0.000	1.932	1.932	26.157	0.000	26.157	20.065	0.000	20.065
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	5.226	0.000	5.226	4.844	0.000	4.844
Total Capital Component	0.000	25.413	25.413	0.000	25.413	25.413	94.954	5.000	99.954	97.916	5.000	102.916
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	48.425	48.425	0.000	48.425	48.425	0.000	63.442	63.442	0.000	93.405	93.405
Electricity	0.000	15.900	15.900	0.000	15.900	15.900	0.000	15.900	15.900	0.000	24.900	24.900
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	3.302	3.302	0.000	3.302	3.302	0.000	4.695	4.695	0.000	4.695	4.695
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	36.930	36.930	0.000	54.303	54.303
LC Deficit during procurement (currency fluctuation)								1.797	1.797		1.797	1.797
Total Revenue component	0.000	123.112	123.112	0.000	123.112	123.112	0.000	164.237	164.237	0.000	233.046	233.046
Outsourcing component												
Janitorial Services	0.000	12.544	12.544	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.602	5.602	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.520	2.520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.768	3.768	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	1.442	1.442	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	0.000	36.322	36.322	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total	0.000	184.847	184.847	0.000	148.573	148.573	94.954	169.285	264.239	97.916	238.094	336.010
Contingency (1%) only on Civil Component	0.000	0.254	0.254	0.000	0.254	0.254	0.000	0.050	0.050	0.000	0.050	0.050
Third party monitoring (TPM) (2%)	0.000	3.697	3.697	0.000	2.971	2.971	0.000	3.386	3.386	0.000	4.762	4.762
Grand Total	0.000	188.798	188.798	0.000	151.799	151.799	94.954	172.721	267.675	97.916	242.905	340.821

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

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

Medical Equipment

			Original					1st Revised					2nd Revised					3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	1	0	449,295	-	1	1	0	550,000	-	1	1	0	550,000	-
2		Hematology Analyzer	1	0	1	427,350	427,350	1	0	1	427,350	427,350	1	0	1	550,000	550,000	1	0	1	750,000	750,000
3		Electrolyte Analyzer	1	0	1	427,350	427,350	1	0	1	427,350	427,350	1	0	1	550,000	550,000	1	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	0	2,744,858	-	0	0	0	3,200,000	-	0	0	0	1,400,000	-
5		Clinical Microscope	1	2	0	132,825	-	1	2	0	132,825	-	1	2	0	180,000	-	1	2	0	250,000	-
6		Water Bath	1	1	0	60,000	-	1	1	0	60,000	-	1	1	0	157,500	-	1	1	0	325,000	-
7		Hot air Oven	1	1	0	210,000	-	1	1	0	210,000	-	1	1	0	385,000	-	1	1	0	450,000	-
8		Distilled water plant	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	75,000	75,000	1	0	1	125,000	125,000
9		Auto pipettes	10	2	8	31,500	252,000	10	2	8	31,500	252,000	10	2	8	40,500	324,000	10	2	8	45,000	360,000
10		glass wares	0	1	0	105,000	-	0	1	0	105,000	-	0	1	0	105,000	-	0	1	0	105,000	-
11	X-Rays	Centrifuge Machine	2	1	1	149,336	149,336	2	1	1	149,336	149,336	2	1	1	250,000	250,000	2	1	1	400,000	400,000
12		Static X-ray Machine	1	1	0	4,200,000	-	1	1	0	4,200,000	-	1	1	0	6,000,000	-	1	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	0	3,850,524	-	0	0	0	4,300,000	-	0	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	0	4,018,245	-	0	0	0	4,500,000	-	0	0	0	4,500,000	-
15		Dental X-Ray	0	0	0	282,975	-	0	0	0	282,975	-	0	0	0	350,000	-	0	0	0	525,000	-
16		Lead apron and PPE	2	0	2	52,500	105,000	2	0	2	52,500	105,000	2	0	2	60,000	120,000	2	0	2	85,000	170,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-
20		Ultrasound	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	0	1	0	1,371,331	-	0	1	0	1,500,000	-	0	1	0	2,400,000
21	Color Doppler RADIOLOGY		1	0	1	3,698,310	3,698,310	1	0	1	3,698,310	3,698,310	1	0	1	4,500,000	4,500,000	1	0	1	5,500,000	5,500,000
22	ICU MONITOR		2	0	2	301,665	603,330	2	0	2	301,665	603,330	2	0	2	900,000	1,800,000	2	0	2	1,250,000	2,500,000
23	Temporary pace maker		0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	550,000	-
24	Defibrillator		1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
25	ECG Machine Three Channel		2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	300,000	600,000
26	ETT Machine		0	0	0	2,021,838	-	0	0	0	2,021,838	-	0	0	0	2,200,000	-	0	0	0	3,000,000	-
27	Color doplor CARDIOLOGY		0	0	0	4,681,790	-	0	0	0	4,681,790	-	0	0	0	4,800,000	-	0	0	0	6,000,000	-
28	Suction Pump		2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000
29	Blood Bank		Blood Cabinet	1	0	1	690,539	690,539	1	0	1	690,539	690,539	1	0	1	700,000	700,000	1	0	1	1,500,000
30		Centrifuge Machine	2	0	2	149,336	298,673	2	0	2	149,336	298,673	2	0	2	250,000	500,000	2	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	1	0	1	42,000	42,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
32		Clinical Microscope	1	1	0	132,825	-	1	1	0	132,825	-	1	1	0	180,000	-	1	1	0	250,000	-
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	5	0	5	1,050,000	5,250,000	5	0	5	1,600,000	8,000,000	5	0	5	3,200,000	16,000,000
34	Nursery	Baby Cot	10	0	10	14,669	146,685	10	0	10	14,669	146,685	10	0	10	16,000	160,000	10	0	10	16,000	160,000
35		Phototherapy Unit	2	0	2	130,200	260,400	2	0	2	130,200	260,400	2	0	2	655,000	1,310,000	2	0	2	850,000	1,700,000
36		Infant Warmer	2	1	1	335,638	335,638	2	1	1	335,638	335,638	2	1	1	985,000	985,000	2	1	1	1,050,000	1,050,000
37		Pulse Oximeter	6	0	6	104,500	627,000	6	0	6	104,500	627,000	6	0	6	160,000	960,000	6	0	6	225,000	1,350,000
38		Infant Incubator	2	1	1	858,932	858,932	2	1	1	858,932	858,932	2	1	1	900,000	900,000	2	1	1	1,750,000	1,750,000
39		Suction Pump	1	0	1	259,350	259,350	1	0	1	259,350	259,350	1	0	1	275,000	275,000	1	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	2	0	2	125,265	250,530	2	0	2	215,000	430,000	2	0	2	300,000	600,000
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	1	0	2,509,554	-	1	1	0	3,000,000	-	1	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	2	1	1	441,000	441,000	2	1	1	550,000	550,000	2	1	1	1,200,000	1,200,000
43		Defibrillator	2	1	1	308,713	308,713	2	1	1	308,713	308,713	2	1	1	650,000	650,000	2	1	1	800,000	800,000
44	O.T (04)	Electrosurgical Unit	1	1	0	507,530	-	1	1	0	507,530	-	1	1	0	700,000	-	1	1	0	900,000	-
45		Operation Table	1	1	0	1,426,215	-	1	1	0	1,426,215	-	1	1	0	2,000,000	-	1	1	0	2,500,000	-
46		Ceiling Operating Light	1	1	0	413,013	-	1	1	0	413,013	-	1	1	0	800,000	-	1	1	0	950,000	-
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	1	0	3,465,000	-	1	1	0	4,000,000	-	1	1	0	7,800,000	-
48		Suction Pump	2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
50		mayo table	4	0	4	21,000	84,000	4	0	4	21,000	84,000	4	0	4	23,000	92,000	4	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	1	0	1	304,220	304,220	1	0	1	400,000	400,000	1	0	1	900,000	900,000
52		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	0	1,108,740	-	0	0	0	1,500,000	-	0	0	0	4,000,000	-
54	Orthopedic	Plaster Cutting Pneumatic	1	0	1	276,250	276,250	1	0	1	276,250	276,250	1	0	1	450,000	450,000	1	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	0	432,623	-	0	0	0	550,000	-	0	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	1	0	1	1,418,958	1,418,958	1	0	1	1,500,000	1,500,000	1	0	1	2,400,000	2,400,000
58	Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000	
59	Delivery Set	10	2	8	31,500	252,000	10	2	8	31,500	252,000	10	2	8	40,000	320,000	10	2	8	65,000	520,000	
60	Delivery Table	2	1	1	47,250	47,250																

Medical Equipment

Medical Equipment																						
Sr. No.	Area	Name of Equipment	Original					1st Revised					2nd Revised					3rd Revised				
			Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
61	Gynea (20 beds)	BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	2	0	2	294,000	588,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
62		D & C Set	2	2	0	34,650	-	2	2	0	34,650	-	2	2	0	40,000	-	2	2	0	60,000	-
63		Vacuum Extractor	1	1	0	259,350	-	1	1	0	259,350	-	1	1	0	300,000	-	1	1	0	350,000	-
64		CTG Machine	1	1	0	628,049	-	1	1	0	628,049	-	1	1	0	725,000	-	1	1	0	900,000	-
65		ECG Machine Three Channel	1	1	0	169,785	-	1	1	0	169,785	-	1	1	0	180,000	-	1	1	0	300,000	-
66		Portable O.T Light	2	1	1	304,220	304,220	2	1	1	304,220	304,220	2	1	1	400,000	400,000	2	1	1	900,000	900,000
67		Baby Cot	2	0	2	14,669	29,337	2	0	2	14,669	29,337	2	0	2	16,000	32,000	2	0	2	16,000	32,000
68		Delivery trolley	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	47,250	47,250
69		Desktop Fetal Heart Rate Detector	1	0	1	144,375	144,375	1	0	1	144,375	144,375	1	0	1	175,000	175,000	1	0	1	200,000	200,000
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	1	0	3,355,849	-	0	1	0	3,355,849	-	0	1	0	4,000,000	-	0	1	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	0	0	285,466	-	0	0	0	285,466	-	0	0	0	400,000	-	0	0	0	900,000	-
73		Suction Pump	0	5	0	259,350	-	0	5	0	259,350	-	0	5	0	275,000	-	0	5	0	300,000	-
74		Laryngoscope	0	2	0	9,744	-	0	2	0	9,744	-	0	2	0	12,000	-	0	2	0	20,000	-
75	Others	Set of Surgical Instruments	0	2	0	141,750	-	0	2	0	141,750	-	0	2	0	160,000	-	0	2	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	10	0	10	68,250	682,500	10	0	10	69,300	693,000	10	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	10	0	10	31,500	315,000	10	0	10	35,000	350,000	10	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	6	0	6	4,200	25,200	6	0	6	4,500	27,000	6	0	6	5,148	30,888
79		Resuscitation trolley With Crash Cart	5	1	4	237,618	950,473	5	1	4	237,618	950,473	5	1	4	400,000	1,600,000	5	1	4	600,000	2,400,000
80	Others	BP Appratus	15	4	11	15,750	173,250	15	4	11	15,750	173,250	15	4	11	16,000	176,000	15	4	11	16,000	176,000
81		Ventilator	0	0	0	2,195,080	-	0	0	0	2,195,080	-	0	0	0	3,500,000	-	0	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	1	0	1	1,098,510	1,098,510	1	0	1	2,100,000	2,100,000	1	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	1	0	1	858,440	858,440	1	0	1	925,000	925,000	1	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	2	0	2	94,500	189,000	2	0	2	100,000	200,000	2	0	2	140,000	280,000
85	ICU	Image Intensifier	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	7	0	7	850,000	5,950,000	7	0	7	-	-	7	0	7	-	-
87		Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	4	0	4	210,000	840,000	4	0	4	400,000	1,600,000	4	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	4	0	4	15,750	63,000	4	0	4	30,000	120,000	4	0	4	35,000	140,000
89		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
90	ICU	Defibrillator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	0	330,750	-	0	0	0	650,000	-	0	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	0	169,785	-	0	0	0	180,000	-	0	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	1	0	1	108,780	108,780	1	0	1	125,000	125,000	1	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	0	259,350	-	0	0	0	275,000	-	0	0	0	300,000	-
95	MORTUARY	ICU Monitor	0	0	0	298,200	-	0	0	0	298,200	-	0	0	0	900,000	-	0	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	2	0	2	1,600,000	3,200,000	2	0	2	3,500,000	7,000,000	2	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	0	1,098,510	-	0	0	0	2,100,000	-	0	0	0	2,800,000	-
100	Dental Unit	DELIVERY TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	1	0	1	23,835	23,835	1	0	1	47,250	47,250	1	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
102		Ambu-Bag, paed	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
103		TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	1	0	1	2,470,546	2,470,546	1	0	1	3,000,000	3,000,000	1	0	1	3,500,000	3,500,000
104		Dental Unit	2	0	2	2,190,000	4,380,000	2	0	2	2,190,000	4,380,000	2	0	2	2,820,000	5,640,000	2	0	2	2,820,000	5,640,000
105	Dental Unit	Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	1	0	1	282,975	282,975	1	0	1	350,000	350,000	1	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	0	94,500	-	0	0	0	150,000	-	0	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	0	84,000	-	0	0	0	160,000	-	0	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	1	0	1	120,750	120,750	1	0	1	175,000	175,000	1	0	1	300,000	300,000
110	Dental Unit	Curing lights	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	95,000	95,000	1	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	1	0	1	199,601	199,601	1	0	1	265,000	265,000	1	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	0	42,000	-	0	0	0	70,000	-	0	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	4	0	4	157,500	630,000	4	0	4	175,000	700,000	4	0	4	175,000	700,000
131	Beds	Fowler beds with Mattress	40	0	40	70,000	2,800,000	40	0	40	70,000	2,800,000	40	0	40	110,000	4,400,000	40	0	40	150,000	6,000,000
		Total					48,424,664					48,424,664					63,442,320					93,405,388
							48.425					48.425					63.442					93.405

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	600,000	600,000	1	600,000	600,000
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	-	2	4,500,000	9,000,000
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)	31	55,500	1,720,500	31	55,500	1,720,500	31	55,500	1,720,500	31	55,500	1,720,500
7	2 Ton air conditioners (Cabinet)	64	78,000	4,992,000	64	78,000	4,992,000	64	78,000	4,992,000	64	78,000	4,992,000
8	4 Ton air conditioners (Cabinet)	8	120,000	960,000	8	120,000	960,000	8	120,000	960,000	8	120,000	960,000
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"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			15,899,740			15,899,740			15,899,740			24,899,740
				15.900			15.900			15.900			24.900

IT & QMS & Surveillance

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	Desktop, UPS, LED	30	75,000	2,250,000	30	75,000	2,250,000	30	130,000	3,900,000	30	216,000	6,480,000
2	MS Windows License	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000
3	Scanner Flatbed with ADF	3	90,000	270,000	3	90,000	270,000	3	150,000	450,000	3	150,000	450,000
4	Heavy duty Printer	7	40,000	280,000	7	40,000	280,000	7	50,000	350,000	7	110,000	770,000
5	Multimedia Projector with Screen	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
6	Tabs	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000
7	Laptop	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
8	MS Windows License	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000
9	QMS System	1	3,700,000	3,700,000	1	3,700,000	3,700,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
10	Networking	1	995,000	995,000	1	995,000	995,000	1	995,000	995,000	1	1,200,000	1,200,000
11	Monitoring & Surveillance (CCTV)	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
12	Public Address System	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,200,000	1,200,000
	Total			14,515,000			14,515,000			16,715,000			20,120,000
				14.515			14.515			16.715			20.120

Furniture and Fixtures

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	40,000	2,400,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	40,000	400,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	60,000	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	125,000	3,750,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3,000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2,500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2,000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20,000	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	5,000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9,000	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	150,000	300,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	90,000	450,000
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	50,000	250,000
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	75,000	375,000
18	Washing machines for pantries	3	13,000	39,000	3	13,000	39,000	3	13,000	39,000	3	11,000	33,000
19	Gas Burner for pantries	10	4,800	48,000	10	4,800	48,000	10	4,800	48,000	10	80,000	800,000
20	Fire Extinguishers DCP	30	4,800	144,000	30	4,800	144,000	30	4,800	144,000	30	6,500	195,000
21	LED TV	15	55,000	825,000	15	55,000	825,000	15	55,000	825,000	15	140,000	2,100,000
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	60,000	300,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	20,000	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	2,500	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	4,000	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	60,000	1,200,000
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	20,000	40,000
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	35,000	70,000
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	10,000	200,000
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125,000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	6,500	162,500
33	Thermometer (Required)	20	16,000	320,000	20	16,000	320,000	20	16,000	320,000	20	600	12,000
	Total			13,503,500			13,503,500			13,503,500			18,787,500
				13.504			13.504			13.504			18.788

Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	7	9,812	68,684	7	9,812	68,684	7	13,951	97,657	7	13,951	97,657
2	A2	External Platform/Road Signage (Triangular)	7	8,976	62,832	7	8,976	62,832	7	12,762	89,337	7	12,762	89,337
3	B1	Main Directional Board	1	109,087	109,087	1	109,087	109,087	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	12	14,016	168,192	12	14,016	168,192	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	21,813	21,813	1	21,813	21,813	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,244	29,244	1	29,244	29,244	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,114	36,114	1	36,114	36,114	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	43,858	43,858	1	43,858	43,858	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,207	51,207	1	51,207	51,207	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,703	23,109	3	7,703	23,109	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	45,776	320,432	7	45,776	320,432	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	3	39,939	119,817	3	39,939	119,817	3	56,788	170,365	3	56,788	170,365
		Internal Signage	0	-	-	0	-	-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	88,119	440,595	5	88,119	440,595	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,092	335,460	5	67,092	335,460	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	5	49,689	248,445	5	49,689	248,445	5	70,651	353,255	5	70,651	353,255
4	F4	Internal Hanging Signage (Corridor 2)	5	50,265	251,325	5	50,265	251,325	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	7	12,709	88,963	7	12,709	88,963	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,653	73,060	20	3,653	73,060	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	110	840	92,400	110	840	92,400	110	1,194	131,362	110	1,194	131,362
8	K1	Internal Wall Signage	110	1,380	151,800	110	1,380	151,800	110	1,961	215,754	110	1,961	215,754
9	L1	Room Numbers Fixed on Wall	60	3,501	210,060	60	3,501	210,060	60	4,978	298,704	60	4,978	298,704
10	M1	Advance Fire Exit Sign	10	1,782	17,820	10	1,782	17,820	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,233	12,330	10	1,233	12,330	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,361	47,220	20	2,361	47,220	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,449	102,245	5	20,449	102,245	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,107	52,675	25	2,107	52,675	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	634	3,170	5	634	3,170	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,109	11,090	10	1,109	11,090	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	861	12,915	15	861	12,915	15	1,225	18,375	15	1,225	18,375
		Total			3,205,962			3,205,962			4,558,390			4,558,390
		Designing and Site Supervision			96,179			96,179			136,752			136,752
		Grand Total			3,302,141			3,302,141			4,695,142			4,695,142
					3.302			3.302			4.695			4.695

DAY CARE CENTER

Yard Stick as per Women Development Department

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

DAY CARE CENTER

Yard Stick as per Women Development Department

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

DAY CARE CENTER

Yard Stick as per Women Development Department

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

Sr. No.	NAME OF POST	Original				1st Revised				2nd Revised				3rd Revised				
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
Sub Total of HR Model				4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17,220				17,220				28,140					40,473
Utilization of HR Component									8.790				13.83					
Total of HR Component													36.93					54,303

Janitorial Services

		Original		From 1st Revised to onward	
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>	
Covered area excluding residential area	26,436	sft			
Covered area assigned to one sweeper	7,500	sft			
Number of sweepers required for covered area	4	Persons			
Road and ROW area	56,804	sft			
Road and ROW assigned to one sweeper	15,000	sft			
Number of sweepers required for road and ROW area	4	Persons			
Number of washroom blocks	13	blocks			
Number of washroom block assigned to one sweeper	3	Persons			
Number of sweepers required for total washroom blocks	4	Persons			
Total sweeper in morning shift	12	Persons			
Total number of sweepers in evening shift	4	Persons			
Total number of sweepers in night shift	6	Persons			
Total number of sweepers in all shifts	23	Persons			
Number of sewer men required	3	Persons			
Number of supervisors	3	Persons			
Salary component					
Type of worker	No of workers	Salary per month	Salary for One Year		
Sweepers / Janitors	23	22,000	6,015,821		
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)			12,543,821		

12.544

Security and Parking

		Original		From 1st Revised to onward	
Assumptions				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY". In view of above, Outsourcing cost has been excluded from this PC-I.	
Covered area excluding residences	26,436				
Covered Area per guard	15,000				
Number of guards	2				
Open area excluding parking area	56,804				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	4				
Number of gates	2				
Number of guards at gates	4				
Total No of Guard	10				
Total number of all guards for second shift	5				
Lady Searcher	4				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
Type of worker	No of workers	Salary per month	Salary per Month for all Person	Salary for One year	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	5	21,525	107,625	1,291,500	
Civilian	9	21,000	189,000	2,268,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				5,701,500	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				400,000	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				5,601,500	
				5.602	

Laundry Services

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

Maintenance of Generator

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

MEP

Original					From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p style="text-align: center;">In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			217,000	2,604,000	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	76	6,665	506,540	506,540	
Fridge	9	4,000	36,000	36,000	
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				1,163,540	
General Total				3,767,540	
				3.768	

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	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
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)	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
Total Amount of Platform Construction					1,225,070	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
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 Sandwiched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
	Total Cost of Pre-Fabrication of Canteen Structure				3,307,052	
	Total Amount (Rs)				4,532,121	
22	Electrification				998,735	
23	Plumbing and Sanitary				410,000	
24	Kitching Fixtures				802,000	
	Grand Total Amount (Rs)				6,742,856	

6.743

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.
1	SOFT LANDSCAPE				
1.1	TOP SOIL				
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	1,352	20	27,040
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	1,854	7	12,978
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	2,317	11.25	26,066
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	9	1,500	13,500
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, Mimusppts, Pine, Ficus Amestal, Pilken, Palms etc.	No's	2	270	540
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	-

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.

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original				From 1st Revised to onward
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	843	69	58,167	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	132	195	25,740	
1.6	GROUND COVERS					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercolis(Daylily), Duranta etc	No's	900	12	10,800	
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	1	3,675	3,675	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	1	1,800	1,800	
1.8	CREEPERS					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	4	195	780	
2	HARD LANDSCAPE					
2.1	WALK WAYS					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	185	150	27,750	
2.2	BENCHES					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	14,698	14,698	
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					

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
	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	1	3,850	3,850
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	4,634	7.50	34,755
4	CONSTRUCTION OF PLANTERS				
	Large Size				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	18	550	9,900
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	2	550	1,100
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	4	550	2,200
5	GAZEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
	Total Amount of - Landscaping				1,127,353
	PRA(16%)				180,377
	Design Consultancy				100,000
	TPV (3%)				33,821
	Grand Total				1,441,550
					1.442

GOVERNMENT OF THE PUNJAB



NAME OF WORK

**AMENDED ROUGH COST ESTIMATE "PROGRAMME FOR
REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT
TEHSIL HEADQUARTER HOSPITAL HASSANABDAL
DISTRICT ATTOCK FOR THE YEAR 2022-23".**

ADP N° 658 For 2022-23

ESTIMATED COST:

97.916
Rs. ~~433.525~~ M

**EXECUTIVE ENGINEER
BUILDING DIVISION, ATTOCK**

THE END OF THE WORLD

AMENDED ROUGH COST ESTIMATE "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL HASSANABDAL DISTRICT ATTOCK FOR THE YEAR 2022-23".

HISTORY.

The Government of the Punjab is making full efforts to provide the maximum facilities to the people in health sector at each Tehsil level. In this regard, Primary and Secondary Healthcare Department (P&SHD) has started revamping program of District and Tehsil Headquarter Hospitals across the Punjab and has entrusted Communication and Works Department Punjab, for revamping program Phase-II. Director Infrastructure, PMU, Primary and Secondary Healthcare Department Lahore vide letter No. PMU/(P&SHD)2020/730, Dated 25-11-2020 desired for preparation of rough cost estimate for Revamping of Tehsil Headquarters Hospitals. Accordingly, RCE amounting to Rs. 94.954 M for the subject scheme was submitted to PMU, P&SHD and same was approved vide Secretary to Government of Punjab Primary and Secondary Healthcare Department Lahore No. PO(D-II)1-237/2021 dated 09/11.2021. Accordingly, Detailed estimate was prepared and tenders were invited but no tenders were received. Thus this Amended Rough cost estimate for "Revamping of All THQ Hospitals in Punjab One at Tehsil Headquarter Hospital Hassanabdal District Attock for the year 2022-23" amounting to **Rs. 133.525 Million** has been prepared and re-submitted for arranging Administrative Approval and released of funds with competent Authority.

SCOPE OF WORK.

- a. Revamping of Main Building
 - i. Tile Work, Ramp and Stairs Paint and Dampness work
Façade Improvement internal fixtures internal electrification,
Door's, ceiling.
- b. Water Filtration Plant with Supply system
- c. Fire Alarm System
- d. ATS System and Panel Board
- e. Provision of Sewerage system

CARRYING OUT OF WORK.

The work will be carried out through approved contractor of Buildings Department after calling competitive through wide publicity in the press.

SPECIFICATION.

The entire specification of the Buildings Department will be adopted for the completion of the work.

RATES.

This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1188/D-92, Dated 07.07.2022 for 2nd Bi Annual Period 1st July 2022 to 31st December 2022

36 Months are required subject to availability of funds.

COST.

The total cost of the scheme comes to Rs. ⁹⁷⁻⁹¹⁶~~133.525-M.~~

Sub Divisional Officer
Buildings Sub Division
Hassanabdal


Executive Engineer
Buildings Division
Attock

ROUGH COST ESTIMATE "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL HASSANABDAL DISTRICT ATTOCK ADP NO. 792 FOR THE YEAR 2021-22".

Sr. No.	Description	Plinth Area Qty	Unit	Plinth Area Rates					Amount	Remarks
				Building Portion	E.I	S.I	S.G	Total Rate		
1	2	3	4	5	6	7	8	9	10	11
A	CLINICAL BUILDING (Internal Development, Tile work, ramp & stair paint & dampness work lead lining, façade improvement, internal fixtures, internal electrification & miscellaneous repair work of building)									This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 1st July 2021 to 31st December 2021
1	Revamping of Main Building	1	P.Job	--	--	--	--	59973000/ 63008000	59973000/ 63008000	Detailed attached.
2	Provision of Water Filtration Plant with Supply System	1	P.Job	--	--	--	--	4930143/ 5170189	4930143/ 5170189	Detailed attached.
3	Construction of B-Wall 9" thick 8' High above Plinth Level (181.5+72.5+32+ 12+148.75= 447 Rft)	447	P.Rft	5567	--	--	--	5567	2488449	Plinth Area
4	Re-Construction of B-Wall 9" thick 8' High above Plinth Level (150 Rft)	1	P.Job	850845	--	--	--	850845	850845	Detailed attached.
5	Providing And Fixing Of Razor Wire 22" To 24" Dia On Boundary Wall I/C Cost Of Angle Iron 1-1/2"X1-1/2"X3/16" @ 8' C/C Y-Shaped, Size 1-1/2' Side Post 2 No And 1 No Vertical Post 1' High Embedded In Pcc 1:2:4, 9"X9"X9" On Wall Including Cost Of 2 Nos G.I Wire 8 Swg For Binding Complete In All Respect As Approved By The Engineer Incharge. 447+150 = 597 Rft	597	P.Rft	400/ 469	--	--	--	400/ 469	238800/ 279993	Analysis attached.
6	Provision of Iron Spike on Boundary Wall 597 x 2 = 1194 Sft	1194	P.Sft	650/ 1042	--	--	--	650/ 1042	776100/ 1244148	Analysis attached.
7	Provision of Tuff Pavers (32+12+181 = 225 x 40 = 9000 Sft)	9000	P.Sft	197	--	--	--	197	1773000	Analysis attached.
8	Provision of External Waiting Area & Parking facility	1	P.Job	5855000/ 8090200	--	--	--	5855000/ 8090200	5855000/ 8090200	Detailed attached.
9	Provision of Sewerage Sysytem	1	P.Job	2518735	--	--	--	2518735	2518735	Detailed attached.
10	Provision of Street Lights	1	P.Job	1939943	--	--	--	1939943	1939943	Detailed attached.

Sr. No.	Description	Plinth Area Qty	Unit	Plinth Area Rates					Amount	Remarks
				Building Portion	E.I	S.I	S.G	Total Rate		
1	2	3	4	5	6	7	8	9	10	11
11	Provision of Panel Board i/c Electric Cable	1	P.Job	5405000/- 6555500	--	--	--	5405000/- 6555500	5405000/- 6555500	Detailed attached.
Total									-93919002	
Add 1.00% for tree plantation charges									-939190	
Add 5% PRA charges									4695950	
Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of transformer)									2000000	
Add Cost for Sui Gas payable to SNGPL									1000000	
Grand Total:-									102554142	
Rs.in Million									102.554	

TECHNICALLY VETTED

For Rs. 94.954 (Million)

[Signature] *[Signature]* *[Signature]*

Chief Engineer Design Engineer Cost Estimator

Punjab Buildings Dept. Punjab Buildings Dept. Punjab Buildings Dept.

North Zone, Lahore North Zone, Lahore North Zone, Lahore.

[Signature]

Sub Divisional Officer,
Buildings Sub Division
Attock

[Signature]

Executive Engineer
Building Division
Attock

[Signature]

Superintendent Engineer
Building Division
Attock



Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
(Dated) Lahore the 14-11-2021

ORDER

No. PO(D-III)-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 17.08.2021, the Governor of the Punjab is pleased to accord 2nd revised Administrative Approval of 50 sub-schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" at cost mentioned against each sub-scheme, with revised gestation period upto 30.06.2023:

Rs. in Millions

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

Page 1 of 4

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY

THQ Hassan Abdal 20-07-22

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
1	Porcelain Floor Tile replacement	Full Body Porcelain tiles needs to be fixed on floor on ground floor and first floor by dismantling existing terrazo and providing new PCC layer of specified thickness. Existing tile of the hospital is in good condition & does not need to be replaced.	----	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	----	Tiles specifications, brand, size and Installation specification will be as per specified C&W standards.
2	Porcelain Wall Tile replacement	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. Or height as per C&W Standards (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface terrazzo surface.	----	Dado of full body porcelain is required upto 6'.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	----	Tiles specifications, brand, size and Installation will be as per specified C&W standards.

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
3	Wooden Doors flush or Solid/ Main Doors	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with wooden doors of similar existing design.	Operation Theatre requires a new aluminium door to separate OT from Labour room.	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with wooden doors of similar existing design.	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with wooden doors of similar existing design.	----	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.
4	Verandah opening (opening to open area)/ MS Windows on Façade	All Existing MS Corridor windows need to be provided with additional MS angle iron and double wire mesh.	----	----	----	----	Specifications will be as per C&W standards.
5	Existing Internal Windows	All Existing internal MS windows need to be replaced with Aluminum Windows.	All Existing internal MS windows need to be replaced with Aluminum Windows.	All Existing internal windows need to be replaced with Aluminum Windows. Reduce size of windows if required.	All old MS internal windows need to be replaced with Aluminum Windows.	All old MS internal windows need to be replaced with Aluminum Windows.	Specifications, Aluminum and glass color will be as per specified C&W Standards

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
6	Internal Corridors.	Wall Panelling to be removed from walls and seepage issues to be addressed rectified along with roof structure treatment.	---	---	Remove ceiling & install SMD lights.	---	---
7	Internal Electrification including fittings	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical. Internal wiring should be replaced with new wiring if existing wiring is damaged.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	---	Model Specifications/ Brands, should be as per specified C&W Standards.
8	Internal Lighting Fixtures	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring.	SMDs need to be installed.	Remove ceiling & install SMD lights.	SMDs need to be installed.	Model Specifications/ Brands and distance should be as per specified C&W Standards.

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
9	Revamping of Public Toilets	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with complete repair of existing water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.
10	Wall Paint	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications, paint specifications, brand and color will be as per C&W standards.
11	Roof Treatment	Roof treatment is required.	---	Roof treatment is required.	Roof treatment is required.	---	---

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
12	Nursing Counter (Ward)	----	----	Reception counter will be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile.	Nursing counter will be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile.	----	----
13	Stairs - Marble and Railing	Stairs already have marble steps which are in good condition & do not need to be replaced. Stair railing is damaged which should be replaced with SS railing.	----	----	----	----	Marble/Granite type and installation technique will be as per C&W Standards.
14	Ramps - Tile and Railing	Chequered tiles need to be fixed on ramp.	----	----	----	----	----
15	Façade Uplifting	Façade treatment should be executed on front elevation. (OPD Main Entrance Wall)	----	----	----	----	----
16	Lead lining Walls (X-Ray)	----	----	----	----	Lead lining of x-ray room needs to be done if not already done.	----
17	Antimicrobial Treatment (OTs)	----	Anti-microbial treatment is required (Dampa Ceiling, Anti-microbial wall panelling, anti-static flooring).	----	----	----	----

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
18	External Weather Shield	Weather shield to be done on all external walls other than façade	----	Weather shield to be done on all external walls other than façade	Weather shield to be done on all external walls other than façade	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	----
19	Edge Protection/Aluminium Cladding	SS Edge Protection needs to be fixed on all corners up to Dado height	----	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	----	----
20	Columns SS Cladding	----	----	----	----	----	----
21	Plumbing Works	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	----
22	Fire Alarm System	Required	Required	Required	Required	Required	----
23	Roof Treatment	Required	----	----	----	----	----
24	Expansion joint of Building	All expansion joints of building should be properly filled, sealed & covered SS strip. Joint must not be covered with Tile/Flooring	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	----	----

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
25	Any Other item	<p>Few existing aluminium doors need to be repaired.</p> <p>Hospital Already has industrial exhaust which needs to be fixed. C&W is required to make necessary arrangement for it.</p>	----	----	<p>Marble will be provided on counter top.</p> <p>Wooden shelves should be made under counter.</p>	----	----
26	External Electrification	All external main cables of hospital which are hanging in Air should be concealed in all respects along with provision of proper Earthing system and lightning arresters. Similarly, existing DB's need to be replace as per site condition if required.					----

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY THQ HASSAN ABDAL

Sr No	Description	Additional Information
1	Water Supply System	OHWR is not required.
2	Sewerage System	Storm water needs to drain out of the hospital smoothly. C&W to re-assess the sewerage system.
3	External Pathways	Not required.
4	Boundary Wall	Not required.
5	Main Gate	
6	Sources of Electircal Supply	Demand Notice to be paid for Dual Supply or Express Line.
7	Transformer	Requirement of transformer will be assessed after visit of Wapda & DN to be paid accordingly as per site requirement.
8	ATS Panel for Generators	As per site requirement.
9	Electrical Panel Room	Available. Minor repair works need to be done.
10	External Wires	electrical analysis & design. Moreover these main wires should be concealed in all respects.
11	Water Filtration Plant	RO plant is required.

AMENDED ROUGH COST ESTIMATE "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL HASSANABDAL DISTRICT ATTOCK FOR THE YEAR 2022-23".

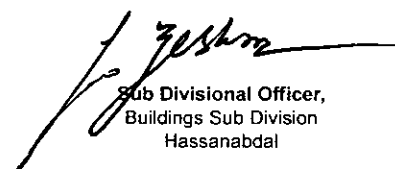
Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
A	CLINICAL BUILDING (Internal Development, Tile work, ramp & stair paint & dampness work lead lining, façade improvement, internal fixtures, internal electrification & miscellaneous repair work of building)											As per site visit dated 22-07-2022. Director Project Unit Lahore along with the team THQ Hassanabdal and finalized the scope of work
1	Revamping of Main Building	1	P.Job	59973000	59973000	1	P.Job	69631567 76939000	69631567 76939000	9658567 16966000	0	
2	Provision of Water Filtration Plant with Supply System	1	P.Job	4930143	4930143	1	P.Job	4844395	4844395	0	85748	
4	Fire Alaram System <i>22500 x 150 = 3375000/-</i>					1	P.Job	3375000 7684668	3375000 7684668	3375000 7684668	0	
5	Provision of ATS system and Panel Board					1	P.Job	9379000 29779840	9379000 29779840	9379000 29779840	0	
3	Sewerage System	1	P.Job	2518735	2518735	1	P.Job	3165900 5061435	3165900 5061435	3165900 2542700	0	
	Construction of B-Wall 9" thick 8' High above Plinth Level (181.5+72.5+32+ 12+148.75= 447 Rft)	447	P.Rft	5567	2488449					0	2488449	
	Re-Construction of B-Wall 9" thick 8' High above Plinth Level (150 Rft)	1	P.Job	850845	850845					0	850845	
	Providing And Fixing Of Razor Wire 22" To 24" Dia On Boundary Wall I/C Cost Of Angle Iron 1-1/2"X1-1/2"X3/16" @ 8' C/C Y-Shaped, Size 1-1/2' Side Post 2 No And 1 No Vertical Post 1' High Embedded In Pcc 1:2:4, 9"X9"X9" On Wall Including Cost Of 2 Nos G.I Wire 8 Swg For Binding Complete In All Respect As Approved By The Engineer Incharge. 447+150 = 597 Rft	597	P.Rft	400	238800					0	238800	
	Provision of Iron Spike on Boundary Wall 597 x 2 = 1194 Sft	1194	P.Sft	650	776100					0	776100	
	Provision of Tuff Pavers (32+12+181 = 225 x 40 = 9000 Sft)	9000	P.Sft	197	1773000					0	1773000	

AMENDED ROUGH COST ESTIMATE "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL HASSANABDAL DISTRICT ATTOCK FOR THE YEAR 2021-22".

ADP No 658

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates										Amount	Remarks
				Building Portion						E.I	S.I	S.G	Total Rate		
				Building Portion	Extra for Strip Foundation	Extra for Base-ment:	Reduced Cost of Founda-tion	Extra For 1st Floor and Subsequen t Floors	Extra For Framed Structure For Each Floors						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	CLINICAL BUILDING (Internal Development, Tile work, ramp & stair paint & dampness work lead lining , façade improvement, internal fixtures, internal electrification & miscellaneous repair work of building														This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1188/D-92, Dated 07.07.2022 for 2nd Bi Annual Period 1st July 2022 to 31st December 2022
1	Revamping of Main Building	1	P.Job	--	--	--	--	--	--	--	--	--	76939000	76939000	Details attached.
2	Provision of Water Filtration Plant with Supply System	1	P.Job	--	--	--	--	--	--	--	--	--	4844395	4844395	Details attached.
3	Fire Alaram System	1	P.Job	--	--	--	--	--	--	--	--	--	7684668	7684668	Details attached.
4	Provision of ATS system and Panel Board	1	P.Job	--	--	--	--	--	--	--	--	--	29779840	29779840	Details attached.
5	Provision of Sewerage System	1	P.Job	5061435	--	--	--	--	--	--	--	--	5061435	5061435	Details attached.
Total														124309338	
Add 5% PST charges														6215467	

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates										Amount	Remarks
				Building Portion						E.I	S.I	S.G	Total Rate		
				Building Portion	Extra for Strip Foundation	Extra for Base-ment:	Reduced Cost of Founda-tion	Extra For 1st Floor and Subsequen-t Floors	Extra For Framed Structure For Each Floors						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of trnsformer														3000000	
Grand Total:-														133524804	
Rs.in Million														133.525	


Sub Divisional Officer,
Buildings Sub Division
Hassanabdal


Executive Engineer
Buildings Division,
Attock


Superintending Engineer
Building Circle No. 1
Rawalpindi

**AMENDED ROUGH COST ESTIMATE "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB
ONE AT TEHSIL HEADQUARTER HOSPITAL Hassanabdal DISTRICT ATTOCK FOR THE YEAR 2021-22".**

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
A	Revamping Main Building											
1	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mm x 600 mm	17795	P. Sft	276	4911420	14971 19792.00	Psft	340.35	5095386 6736207	183960 1824787	0	
2	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x 600 mm	17064	P. Sft	293	4999752	16896 19428.00	P. Sft	340.35	5750554 6612020	750802 1612568	0	
3	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1604	P. Sft	270	433080	2470.00	P. Sft	239.8	592306	159226	0	
4	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	3901	P. Sft	280	1092280	7064.00	P. Sft	292.55	2066573	974293	0	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
5	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge	23941	P. Sft	360	8618760	380.00	P.Sft	431	163780	0	8454980	
6	Preparing surface and painting with emulsion paint 3 coats i/c Scraping Ordinary distemper, oil bound distemper, or paint of wall.	23872	%Sft	2774.95	662436	69599	%sft	2796.55	1946371	1283935	0	
7	Removing door with chowkat.	94	Each	331.65	31175	78	Each	438	34164	2989	0	
8	Removing windows and sky lights with chowkat.	159	Each	258.7	41133	177	Each	341.5	60446	19313	0	
9	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge.	2127	P. Sft	1033	2197191	2207	P. Sft	1308.85	2888632	691441	0	
10	P/F stainless stair railing pipe fancy stair railing 2-75 height comprising of stainless pipe 2" dia at top hamel rail welded over vertical post of 1 1/2" wide 3/8" double step imported balustrades with stainless steels studs fence type welded to fancy reducer 2"x1/2" at top and M.S tikki 3" dia x 1/4" thick at bottom fixed on step, using holding down rawl bolts 3"x3/8" M.S tikki covered with Architectural multi off: shape stainless steel cap 3" dia at bottom and reduced to 1 1/2" dia at top in 2" height, Additional stainless steel 3/4" dia 3-No. fixed with vertical balustrades i/c steel polishing fixed at site complete in all respect as approved by the Engineer incharge.	524	P. Sft	2400	1257600	564	P.Rft	2361.45	1331858	74258	0	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
11	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Non-Skid Chequered Tiles) 300mmx300mm	2820	P. Sft	252	710640	3180	P. Sft	211.4	672252	0	38388	
12	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 (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (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.	1665	P. Sft	586.45	976439	792.00	Psft	1437.6	1138579	162140	976439 -0	
13	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge i/c Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	5191	P. Sft	828.55	4301003	13553 6497	P. Sft	1348.4	18274865 8760555	13973862 4450552	0	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
14	P/F of Steel Chowkat 16SWG M.S Sheet 1-1/2" thick padam 1/2" deep having size full width of wall an 1/2" moluded inside the wall with four No. M.S. Putti 6" long hold fast 2 No. on both sides filling with 1:4:8 c/c i/c painting complete in all respect as approved and directed by the Engineer Incharge.	1320	P. Sft	298	393360					0	393360	
15	P/F of 1-1/2" thick OAK Wood soild door i/c Brass Hinges Brass Tower Bolt Brass Kick Plate Brass Finger Plate, complete in all respect as approved and directed by the Engineer Incharge.	2185	P. Sft	2150	4697750					0	4697750	
16	Dismantling cement concrete 1:2:4 plain.	1561	%Cft	8421.6	131461	2674.00	%cft	11174.6	298809	167348	0	
17	Dismantling 2nd class tile roofing.	7246	%Sft	957	69344	7246	%sft	1269.85	92013	22669	0	
18	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.	7246	%Sft	8635.95	625761	7246	%sft	11368.6	823769	198008	0	
19	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	30	Each	595.45	17864	30	Each	835	25050	7186	0	
20	Supply and erection of fancy LED Pannell light 2'x2' i/c LED Light & Driver 36 (W) (Philips / Alpha LED Ultra Slim) or Equivalent i/c fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge	170	Each	10920	1856400					0	1856400	
21	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. 3/8" Squar Bars	5191	P. Sft	463	2403433	13553 6497	P. Sft	854.8	11585104 5553636	9181671 3150203	0	
22	Providing and fixing ornamental wooden architrave 3" x (1 1/2" tapered to 1/4") all along the door frame complete in all respect. Deodar wood architrave	2640	P. Sft	54.3	143352					0	143352	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
23	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	32	Each	19995	639840					0	639840	
24	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4.	3709	%Cft	24433.2	906227	2674 3572.00	%sft	36753.3	982183 1312028	76556 406601	0	
25	P/F Spun Pipe of approved quality (Tipu Supreme) with cement yarn joints etc complete in all respect as approved and directed by the Engineer Incharge 4" dia	810	P. Rft	493	399330					0	399330	
26	P/F of spun pipe specials such as tee, collar, bend etc plain type / plug type of approved quality (Tipu supreme) with cement yarn joints complete in all respect as approved and directed by the Engineer Incharge	90	Each	405	36450					0	36450	
27	Preparing surface lacure polishing on old wooden floor, windows, doors with best quality material i/c rubbing properly and preparing surface complete as approved and directed by the Engineer Incharge.	4370	P. Sft	80	349600					0	349600	
28	P/F of UPVC wall paneling UPVC section like plank, beading gola, angle gola 200 mm wide 9mm thick designed grooved planks fixed with inter locking system nails scrow on existing wall produced in plumbs using wooden strips (Anti termite) i/c carriage of material from market to site work complete in all respect as approved/ directed by the Engineer Incharge	1410	P. Sft	125	176250					0	176250	
29	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabnit 22" deep with back Complete in all Respect.	227	P.Sft	4916	1115932	227	Psft	6170	1400590	284658	0	
30	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with/without chowkat	213	P. Sft	842.85	179527					0	179527	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
31	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)	2230	P. Rft	648	1445040	800	P. Sft	640	512000	0	933040	
32	Providing and Laying of Chakwal Stone 12"X6" Size with Laser Cutter Having Rectangle Shape 3/8 to 1/2" thick laid in Classical Pattern by Providing 3/8" wide Groove on Horizontally and Vertically laid with Cement Sand Mortar 1:3 i/c Filling Joints with Pigment as Directed By The Engineer Incharge.	8698	P. Sft	240	2087520					0	2087520	
33	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect old surface two coats.	12910	%Sft	2068	266979	14435 21491	%Sft	3850.9	558 55877 286898 827597 560018	0		
34	S/E of Twin core PVC insulated copper conductor cable in prelaidd PVC pipe 7/0.044"	3000	P.Mtr	237.9	713700					0	713700	
35	P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as aper instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	1522	P. Sft	970	1476340	684	P. Sft	1020.00	697680	0	778660	
36	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.	1676	P. Sft	611	1024036	380.00	P.Sft	516	196080	0	827956	
37	This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 1st July 2021 to 31st December 2021					2000			444000	0	0	
i	Electrification	35250	P. Sft	118	4159500	35250	Psft	222	7825500	3666000	0	
ii	Public Health	35250	P. Sft	92	3243000	35250	Psft	117	4124250	881250	0	
iii	Sui Gas	35250	P. Sft	31	1092750					0	1092750	
38	Dismantling glazed or encaustic tiles, etc					2152.00	%sft	2335.85	50267	50267	0	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
39	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge (b) 2.5mm thick					936.00	P.Sft	1788	1673568	1673568	0	
40	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , 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 and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.					2162 1370.00	Psft	678.55	1467025 929814	1467025 929814	0	
41	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal autotomatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.					15	Each	5572	83580	83580	0	
42	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.					6776 3249	P. Sft	493.05	1601919	3341153 1601919	0	
43	Removing cement or lime plaster.					5307	%sft	423.3	22465	22465	0	
44	Cement plaster 1:4 upto 20' (6.00 mm) height:-1/2" (13 mm) thick					5307	%sft	3232.95	171573	171573	0	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
45	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge					7086	P. Sft	599.00	4226544	4226544	4226544	
46	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.					2195	%sft	2175.5	47752	47752	0	
47	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge					578	P. Sft	2500	1445000	1445000	0	
48	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)					450	PRft	440.65	198293	198293	0	
49	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)					60	Each	543.55	32613	32613	0	
50	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.					50 550	Each	1800	900000 990000	900000 990000	0	
51	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.16SWG 4"x3"					500	PRft	335.35	167675	167675	0	
ii	...do....6"x3"					300	PRft	402.70	120810	120810	120810	
52	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:-150 mm sq (37/0.093")					300	Each	5088.15	1705845	1705845	1705845	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
iido.....120 mm sq (37/0.083)					400	PRft	4633.45	1853380	1853380	1853380	
53	Cement plaster 1:5 upto 20" (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.					3327	%sft	3420.1	113787	113787	0	
54	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-On interior surface (without mastic strip)					144	PRft	147.3	21211	21211	0	
55	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.					400	PRft	281.25	112500	112500	0	
56	Providing And Laying Of Natural Stone Tile Golden Colour 4"x2" Size With Lazer Cutter Having Rectangle Shape 3/8 To 1/2" Thick Laid In Classical Pattern By Providing 3/8" Wide Groove On Horizontally And Vertically Laid With Cement Sand Mortar 1:3 I/C Filling Joints With Pigment As Directed By The Engineer Incharge.					9941	%sft	300	2982300	2982300	0	
					Total (A): -	59793655			75244541	15450886	0	
	D/d cost of Old Material											
1	Old Doors with Chowkat	94	Each	1500	141000	78	Each	1500	117000	0	24000	
2	Old Windows	159	Each	1000	159000	177	Each	1000	177000	18000	0	
3	Tiles 9"x4-1/2"x1-1/2"	18766	%0Nos	6000	112596	18766	%0Nos	7500	140745	28149	0	
4	Tile Bats	906	%Cft	2500	22650	906	%cft	3500	31710	9060	0	
5	Stair Railing (M.S.)	1	P. Job	30000	30000					0	30000	
6	Electric Cables (Unserviceable)	1	P. Job	15000	15000	1	P. Job	30000	30000	15000	0	
7	Aluminium Doors (Unserviceable)	10	Each	3000	30000	10	Each	5000	50000	20000	0	
					Total (B): -	510246			546455	36209	0	
									558455	48209		

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Net Total (A-B): -				59283409				74698086 67355979	15414877 8072570	0	
	Add 3% Contingency: -				1499345				2248943 2020679	741508 521334	0	
	Total: -				60782754				76939029 6937468	16156275 8593804	0	
	Say: -				59973000				76939000 69376700	16960000 9403700	0	
B	Construction of Room for Filtration Plant											
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.	1375	%Cft	8078.4	11108	1375	%Cft	11949.45	16430	5322	0	
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	366	%Cft	13037.1	47716	366	%Cft	21178.45	77513	29797	0	
3	Pacca brick work in foundation and plinth in Ratio 1:6	662	%Cft	23388.75	154834	662	%Cft	30137	199507	44673	0	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	94	P.Cft	291.35	27387	94	P.Cft	438.75	41243	13856	0	
5	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 Grade-40.	288	%Kg	19996.45	57590	288	%Kg	31418.2	90484	32894	0	
6	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	89	%Sft	5642.95	5022	89	%Sft	8600.8	7655	2633	0	
7	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick	129	%Sft	3791.35	4891	129	%Sft	5514.55	7114	2223	0	
8	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	1083	%Cft	25038.75	271170	1083	%Cft	32320.85	350035	78865	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
9	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 1: 2: 4 ratio	664	P.Cft	402.4	267194	352	P.Cft	537.5	189200	0	77994	
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 Grade-40.	2033	%Kg	19996.45	406528	1078	%Kg	31418.2	338688	0	67840	
11	Cement plaster 1:5 upto 20' height ½" thick	1177	%Sft	2210.4	26016	1177	%Sft	3082.5	36281	10265	0	
12	Cement plaster 1:4 upto 20' height ½" thick	1353.25	%Sft	2297.75	31094	1353	%Sft	3232.95	43750	12656	0	
13	P/F Terracota Khaprail Tiles of approved design and colour on top of slope of window shade & roof, laid over bed of (1:3), ¾" thick Cement Sand mortar including cost of laying, finishing complete in all respect as approved & directed by the Engineer Incharge.	742	P.Sft	120	89006					0	89006	
14	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	615	%Sft	2625.8	16145	615	%Sft	3699.4	22747	6602	0	
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	917	%OCft	3867.6	3547	917	%OCft	5090.45	4668	1121	0	
16	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile	0	%OCft	13228.6	0	0	%OCft	18484.85	0	0	0	
17	Supplying and filling sand under floor; or plugging in wells.	152	%Cft	1879	2856	152	%Cft	2583.3	3927	1071	0	
18	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	218	%Cft	5495.7	11981	218	%Cft	9464.4	20632	8651	0	
19	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	74	%Cft	24433.2	18081	74	%Cft	36753.3	27197	9116	0	
20	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick	328	%Sft	4672.25	15325	328	%Sft	6927.1	22721	7396	0	
21	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	197	P.Rft	9.25	1822	197	P.Rft	19.8	3901	2079	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
22	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1-½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.	90	P.Sft	598.85	53897	90	P.Sft	1605.35	144482	90585	0	
23	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm) (1103.25 - 260.40)	34	P.Sft	842.85	28657					0	28657	
24	P/L Prepolished Porcelain Tile "Master" With Dry / Wet / Venied Application, DWV Series (Light Color) Class SB, 16"X16" Size laid over a bed of 3/4" thick C/S Mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as Approved By The Engineer Incharge (For Floor)	460	P.Sft	218	100280					0	100280	
25	P/L Prepolished Porcelain Tile "Master" With Dry / Wet / Venied Application, DWV Series (Light Color) Class SB, 16"X16" Size laid over a bed of 3/4" thick C/S Mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as Approved By The Engineer Incharge (For skirting)	104	P.Sft	234	24336					0	24336	
26	Distempering new surface two coats with primary coat of chalk (614.20+198.70)	1177	%Sft	812.9	9568	1177	%Sft	1283.5	15107	5539	0	
27	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 coat	1508.25	%Sft	3116	46997					0	46997	
28	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	145.9	1167	8	P. Sft	207.15	1657	490	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
29	Providing and fixing 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 painting three coats, complete in all respects.	8	P. Sft	317	2536	8	P. Sft	492.15	3937	1401	0	
30	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 grey cement ½"(13 mm) thick	142	%Sft	14693.45	20865	142	%Sft	20953.65	29754	8889	0	
31	P/f of Filtration Plant of SOSAFE i/c all accessories as per specifications, pressure sand filter ss-24 1 no., jumbo sediment filter 20" (5 micron) gac-20(Activated carbon purifier) jumbo sediment filter 20" (1 micron) chlorine dosing system, Uf membranes, water collecting point, stainless steel header (SS 304) with 6 Nos water taps, UPVC face piping from sand Filter to UF membranes 1 job as directed/approved by Engineer Incharge.	1	P.Job	1326400	1326400					0	1326400	
	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.					34	P.Sft	1002.55	34087	34087	0	
	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm					460	P.Sft	340.35	156561	156561	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm					104	P.Sft	340.35	35396	35396	0	
	Cement pointing flush upto 20' (6.00 m) height:ratio 1:2 i/c Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.					1508	%Sft	3834.35	57832	57832	0	
	P/F Reverse osmosis Drinking water filtration plant capacity 500-600 ltr LPH with blending UF membrane complete in all respect as approved and directed by Engineer Incharge					1	P.Job	1627920	1627920	1627920	0	
	Electric Installation									0	0	
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials									0	0	
2	3/4" dia	50	P.Rft	61	3050	50	P.Rft	94.6	4730	1680	0	
3	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in pre-laid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only).									0	0	
4	3/0.029	300	P.Rft	14.05	4215	300	P.Rft	25.7	7710	3495	0	
5	7/0.036	50	P.Rft	25.6	1280	50	P.Rft	21.7	1085	0	195	
6	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge									0	0	
7	One way Gange Switch Small 03 Gange					2	Each	742.5	1485	1485	0	
8	Large 06 Gange					3	Each	1162.5	3488	3488	0	
9	S/E of wall box plastic frame (Hi-Life) lovery colour i/c fixing charges complete in all respect as approved \ Directed by the Engineer Incharge.									0	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
10	For 1-3 Switches	2	Each	234	468					0	468	
11	For 1-6 Switches	3	Each	294	882					0	882	
12	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	1	Each	49.45	49	1	Each	67.8	68	19	0	
13	Erection of ceiling fan along with regulator all size l/c carriage from local railway station / store to site of work electric wire / cable for suspending rod and board connection & cutting threading on rod where necessary	1	Each	312.5	313	1	Each	462.5	463	150	0	
14	S/E of ceiling fan 56" sweep complete in all respect	1	Each	5000	5000	1	Each	7000	7000	2000	0	
15	P/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	8	Each	156	1248					0	1248	
16	Supply and erection of button holder	4	Each	36	144	4	Each	104.15	417	273	0	
17	P/F pannel board made of 18 SWG M.S sheet 12"x18" size housing of automatic miniatuere circuit breaker Fuji/Terrasaki with neutral link with the following breakers: (i) 6-10 Amp (S.P) 5.No. (ii) 11-20 Amp (SP) 2 Nos,(iii) 60-65 Amp (SP) 2 Nos. i/c 3 coats painting, cable connection, cost of volt meter, ampere meter, indicator bulb complete in all respect as approved and directed by the Engineer Incharge.	1	Each	18744	18744	1	Each	43580	43580	24836	0	
18	Supply and erection of 3 pin 10/15 Amp. wall socket with shoe, open type.	4	Each	157.85	631					0	631	
19	Supply and erection of LED Bulb 12 Watt Complete in all respect as approved and directed by the Engineer Incharge.					4	Each	440	1760	1760	0	
20	S/E Of Led Light (08 Watts) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.	4	Each	338	1352					0	1352	
	Water Supply									0	0	
1	Excavation in trenches in all kind of soil, except cutting rock, for water supply pipelines upto 5 ft (1.5m) depth from ground level, i/c trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints etc complete_in_all respect.	12800	%0Cft	5755.2	73667	12800	%0Cft	7623	97571	23904	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
2	P/L PPRC pipe PN-20 for hot and cold water Dadex/Beta/Abshar i/c making jharries in existing brick masonry and the cost of pipe (fusion threaded) i/c cost of solution of same quality etc complete by the Engineer Incharge									0	0	
3	From Filtration room to distrubtion line 63 mm.	1200	P.Rft	414	496800	1200	P.Rft	378	453540	0	43260	
4	---do--- 40 mm	1100	P.Rft	170	187000	1100	P.Rft	161	177430	0	9570	
5	---do--- 25 mm	1500	P.Rft	93	139500	1500	P.Rft	67	99750	0	39750	
6	---do--- 20 mm	1000	P.Rft	83	83000	1000	P.Rft	48	48100	0	34900	
7	P/F C.P. bib cock Master Made complete as approved by the Engineer Incharge	10	Each	2226	22260					0	22260	
8	Providing and fixing chromium plated bib cock: 2 cm (¾")					10	Each	1015	10150	10150	0	
9	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.					20	Each	990	19800	19800	0	
10	1½" dia					24	Each	1674	40176	40176	0	
11	---do--- 1" dia.					52	Each	1434	74568	74568	0	
12	---do--- ¾" dia.									0	0	
13	P/F ball valve / control Valve complete as approved by the Engineer Incharge. 1.5" dia.	20	Each	864	17280					0	17280	
14	---do--- 1" dia.	24	Each	732	17568					0	17568	
15	---do--- ¾" dia.	52	Each	348	18096					0	18096	
16	S/E of Electric Water Cooler NESGAS made 65 ltr Capacity (Qutation Attached)	10	Each	61000	610000					0	610000	
					Total: -				4703297	0	83266	
					Add 3% Contingency: -				141099	0	2498	
					Total: -				4844395	0	85765	
C	Fire Alaram System					1	P.Job	7684668	7684668	7684668	0	
D	Provision of ATS system and Panel Board					1	P.Job	29779840	29779840	29779840	0	
E	Provision of Sewerage System								9379007			
	MANHOLES											

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
11	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: 2: 4)					180	P. Cft	537.5	96750	96750	0	
	Total: -(A)				1257000				1035443	0	221557	
	SEPTIC TANK											
12	Earth work excavation in open cutting like a man hole sewer line etc 0ft to 7ft depth.					8640	%0Cft	11740.40	101437	101437	0	
13	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:12.					432	%Cft	21178.45	91491	91491	0	
14	Pucca brick work 1:4 other then building.					1866	%Cft	32898.70	613890	613890	0	
15	1/2" thick cement neru plaster 1:2 upto 20ft height.					2213	%Sft	3780.7	83667	83667	0	
16	PCC 1:2:4 including curring & finishing etc complete.					143	%Cft	36753.30	52557	52557	0	
17	Extra cost for making finishing benching in manhole chamber with 1/8" thick cement.					573	%Sft	2934.1	16812	16812	0	
18	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: 2: 4)					578	P. Cft	537.5	310675	310675	0	
19	Fabrication mild steel reinforcement for cement concrete l/c cutting bending laying in position making joints and fastening l/c cost of binding wire and labour charges for binding of steel reinforcement (also included removal of rust form bars) Deformed bar Grade 40.					1770	%kg	31418.2	556102	556102	0	
20	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.					2	Each	6847.00	13694	13694	0	
	Total: -(B)				0				1840325	1840325	0	
	EXTERNAL SEWERAGE											
21	Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water in all types of soil except shingle, gravel and rock.					16000	%o Cft	11740.40	187846	187846	0	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
22	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.					2000	% Cft	9464.40	189288	189288	0	
23	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 460 mm (18") i/d					400	P.Rft	1181.80	472720	472720	0	
24	380 mm (15") i/d					200	P.Rft	960.50	192100	192100	0	
25	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 310 mm (12") i/d					400	P.Rft	695.60	278240	278240	0	
26	Providing, laying, cutting, jointing, testing and disinfecting PVC/uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:- 6" i/d (100 mm)					400	P.Rft	871.55	348620	348620	0	
27	Providing, laying, cutting, jointing, testing and disinfecting PVC/uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)					500	P.Rft	440.65	220325	220325	0	
28	Providing and installing P.V.C. bends, of B.S.S with class B 4" dia					70	Each	543.55	38049	38049	0	
29	Providing and installing P.V.C. tees, of B.S.S with class B 4" dia					70	Each	1586.00	111020	111020	0	
	Total: -(c)				0				2038208	2038208	0	
	SEWER LINE 18" DIA	745	PRft	1643	1224035					0	1224035	
	Total(A+B+C+D):-				- 2481035 -				- 4913976 -	2432941	0	
	Add 3% Contingency:-				37710				147419	109709	0	
	Total:-				2518745				5061395	2542650	0	
F	CONSTRUCTION OF BOUNDARY WALL	447	PRft	5567	2488449							

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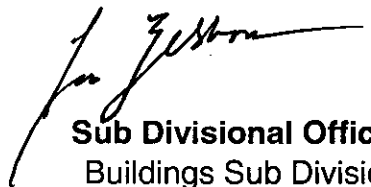
Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd 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, PVC insulated 19/1.63 mm (19/0.064")	300	P. Mtr	586.80	176040					0	176040	
3	P/F Of Tubler Electric Street Light Poles 4" Dia 15', 3" Dia 10' & 1-1/4" Dia 7' On Concrete Footing By Means Plates & Nut Bolts Complete In LI Respect As Approved By The Engineer Incharge	15	Each	64596	968940					0	968940	
4	Earthing with 8 SWG Copper wire i/c copper srip 60x10mm and G.I Pipe 3/4" dia 100' long complete with sockets 105ft below from ground level i/c making bore hole and filling with salt and charcoal mixure etc. complete in all respect as approved and directed by the Engineer Incharge.	2	Each	39250	78500					0	78500	
5	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/2.11 mm (19/0.083")	110	P. Rft	1425.45	156800					0	156800	
6	S/E of Branch Distribution board consisting of 16 SWG M/S Sheet Box 18"x24"x6" duly powder coated i/c cost of 3 No. Volt Meter, 1 No. Ampair meter, Selector switch, LED Neon Lights Bus Bar (1-1/2"x1/8") 14" thimbling at connection having glass.	1	Each	32100	32100					0	32100	
7	S/E of L.E.D Flood Light 50 Watt Philips made complete in all respect.	25	Each	15600	390000					0	390000	
	Total: -				1883440				0	0	1883440	
	Add 3% Contingency: -				56503				0	0	56503	
	Total: -				1939943				0	0	1939943	
M	Provision of Panel Board i/c Electric Cables											

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Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
3	Supply And Erection Of Sub Distribution Boards For Lights Concealed Type To Be Installed On Site And Made Of Ms Sheet 16 Swg Degreased And Degusted, Zinc Phosphate, Finished With Electro-Static Powder Coating Of 15 Micron Thickness In Approved Colour With Flexible Lockable Handle, Indication Lamps 1-Voltmeter Scaled 0-500 V. With Voltmeter Selector Switch Including All Incoming And Outgoing Breakers Of Approved Manufacturer Complete In All Respect As Approved And Directed By The Engineer Incharge. Incoming: - 1 No: Mccb Tp 200A 18Ka (Hitachi) Outgoing: - 20 Nos: Mcb 1 Pole 20A, 6Ka (Lr), 15 No. Mcb 1 Pole 6A, 6Ka (Lr) (Legrand)	2	Each	115800	231600					0	231600	
4	Supply And Erection Of Distribution Boards Concealed Type To Be Installed On Site And Made Of Ms Sheet 16 Swg Degreased And Degusted, Zinc Phosphate, Finished With Electro-Static Powder Coating Of 15 Micron Thickness In Approved Colour With Flexible Lockable Handle, Indication Lamps 1-Voltmeter Scaled 0-500 V. With Voltmeter Selector Switch Including All Incoming And Outgoing Breakers Of Approved Manufacturer Complete In All Respect As Approved And Directed By The Engineer Incharge. Incoming: - 1 No: Mccb Tp 125A 15Ka (Hitachi) Outgoing: - 20 Nos: Mcb 1 Pole 20A, 6Ka (Lr), 15 No. Mcb 1 Pole 6A, 6Ka (Lr) (Legrand)	10	Each	115800	1158000					0	1158000	
5	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37//1.83 mm (37/0.072")	250	P. Mtr	6356.4	1589100					0	1589100	
6	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/2.11 mm (19/0.083")	190	P. Mtr	4675.45	888336					0	888336	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
7	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/1.63 mm (19/0.064")	160	P. Mtr	2479.6	396736					0	396736	
8	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.63 mm (7/0.064")	140	P. Mtr	901.6	126224					0	126224	
9	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.12 mm (7/0.044")	300	P. Mtr	451.8	135540					0	135540	
	Total: -				5247336					0	5247336	
	Add 3% Contingency: -				157420					0	157420	
	Total: -				5404756					0	5404756	
	Say: -				5405000					0	5405000	
	G-Total (A+B+C+D+E+F+G+H+I+J+K+L): -				86749015				124309338	37560323	0	
	Add 1% for tree plantation charges: -				867490				0	0	867490	
	Add 5% PRA charges: -				4337451				6215467	1878016	0	
	Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of trasnsformer: -				2000000				3000000	1000000	0	
	Add Cost for Sui Gas payable to SNGPL: -				1000000				0	0	1000000	
	Total: -				94953956				133524805	38570849	0	
	Say in Million: -				94.954				133.525	38.57085	0.000	

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13


Sub Divisional Officer,
 Buildings Sub Division
 Hassanabdal


Executive Engineer
 Buildings Division,
 Attock

12-22-23

AMENDED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTERS HOSPITALS ONE AT HASSANABDAL DISTRICT ATTOCK

Sr. No.	Description	Qty	Unit	Rate	Amount
1	Dismantling glazed or encaustic tiles, etc	2152.00	%sft	2335.85	50267
2	Dismantling cement concrete 1:2:4 plain.	2674.00	%cft	11174.6	298809
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	2674 3572.00	%sft	36753.3	982783 1312828
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm	14971 10792.00	Psft	340.35	5095380 6736207
5	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm	16896 10428.00	P.Sft	340.35	5750559 6612320
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2470.00	P.Sft	239.8	592306
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	7064.00	P.Sft	292.55	2066573
8	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge	380.00	P.Sft	431	163780
9	Supply and installation anti microbial Hygienic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.	380.00	P.Sft	516	196080
10	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge (b) 2.5mm thick	936.00	P.Sft	1788	1673568

Sr. No.	Description	Qty	Unit	Rate	Amount
11	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , 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 and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	1370.00 2162	Psft	678.55	929614 1467025
12	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated 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 ½" (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.	792.00	Psft	1437.6	1138579
13	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Non-Skid Chequered Tiles) 300mmx300mm	3180	P. Sft	211.4	672252
14	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	564	P.Rft	2361.45	1331858
15	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal autotomatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge, hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.	15	Each	5572	83580
16	Removing windows and sky lights with chowkat.	177	Each	341.5	60446
17	Removing door with chowkat.	78	Each	438	34164
18	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacture having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	6497 13553	P. Sft	1348.4	8760555 18274865
19	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.	3249 6776	P. Sft	493.05	1604949 3341153
20	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars	6497 13553	P. Sft	854.8	6563636 11585104
21	Removing cement or lime plaster.	5307	%sft	423.3	22465
22	Cement plaster 1:4 upto 20' (6.00 mm) height:-½" (13 mm) thick.	5307	%sft	3232.95	171573

Sr. No.	Description	Qty	Unit	Rate	Amount
23	Providing and fixing 22-SWG 12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	7056	P. Sft	599.00	4226544
24	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.	2195	%sft	2175.5	47752
25	Dismantling 2nd class tile roofing	7246	%sft	1269.85	92013
26	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	7246	%sft	11368.6	823769
27	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	69599	%sft	761.9	530275
28	Preparing surface and painting with emulsion paint 2 coats	69599	%sft	2034.65	1416096
29	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: two coat	14435 24491	%Sft	3850.9	555877 827597
30	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	578	P. Sft	2500	1445000
31	Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.	800	P. Sft	640	512000
32	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)	450	PRft	440.65	198293
33	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)	60	Each	543.55	32613
34	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)	30	Each	835	25050
35	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. <i>China Verona</i>	2207	P. Sft	412.20 4308.85	909325 2888632
36	P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as per instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	684	P. Sft	1020.00	697680
37	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.	50 550	Each	1800	90000 990000
38	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified gauge, size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardware as approved and directed by the Engineer Incharge. 16SWG 4"x3"	500	PRft	335.35	167675
II	do 6"x3"	300	PRft	402.70	120810

Sr. No.	Description	Qty	Unit	Rate	Amount
39	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- 150 mm sq (37/0.093")	300	Each	5686.15	1705845
40	do... 120 mm sq (37/0.083)	400	PRft	4633.45	1853380
40	Cement plaster 1:5 upto 20' (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.	3327	%sft	3420.1	113787
41	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-On interior surface (without mastic strip)	144	PRft	147.3	21211
42	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.	400	PRft	281.25	112500
43	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabin 22" deep with back Complete in all Respect.	227	Psft	6170	1400590
44	Providing And Laying Of Natural Stone Tile Golden Colour 4"x2" Size With Laser Cutter Having Rectangle Shape 3/8 To 1/2" Thick Laid In Classical Pattern By Providing 3/8" Wide Groove On Horizontally And Vertically Laid With Cement Sand Mortar 1:3 I/C Filling Joints With Pigment As Directed By The Engineer Incharge.	9941	%sft	300	2982300
45	Electrification + Public Health + Sui Gas (Plinth Area Rates 2nd Bi Annual 2020 Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/190/D, Dated 15.01.2021 for 1st Bi Annual Period 1st January 2021 to 30th June 2021	2000 22500			444,000 1995000
i	Electric Installation	35250	Psft	222	7825500
ii	Public Health	35250	Psft	117	4124250
		22500			2652500
				Total: -	75244541 68161918-00
	D/d cost of Old Material				
1	Old Doors with Chowkat	78	Each	1500	117000
2	Old Windows	189177	Each	1000	177000 189000
	Tiles 9"x4-1/2"x1-1/2"	18766	%0Nos	7500	140745
	Tile Bats	906	%cft	3500	31710
4	Electric cables (unservicable)	1	P.Job	30000	30000
5	Aluminium Doors (Unserviceable)	10	Each	5000	50000
				Total (B): -	558455 546455
		67603.453		Net Total (A-B): -	42311277 74698086
		2028104		Add 3% Contingency: -	2181338 2240945
		69631567		Total: -	7482615 76939029
		69632000		Say: -	7482615 76939000

Sub Divisional Officer
Building Sub Division
Hassanabdal

Executive Engineer
Buildings Division,
Attock

AMENDED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTERS HOSPITALS ONE AT HASSANABDAL DISTRICT

ATTACK

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
1	Dismantling glazed or encaustic tiles, etc					
	Bath	1	9.75	7.5		73 Sft
		2	4	5.5		44 Sft
	Bath	1	7	4.75		33 Sft
		1	9.5	7.5		71 Sft
		2	5.5	4.5		50 Sft
		1	7	5		35 Sft
		6	6	4		144 Sft
	W.R	2	9	10.5		189 Sft
		2	6	4		48 Sft
		2	5	4		40 Sft
	W.R	2	6	5		60 Sft
	W.R	1	6	4		24 Sft
	Female Toilet	1	14	14		196 Sft
	Male Toilet	1	14	14		196 Sft
	W.R	2	9	10.5		189 Sft
	Lav	1	26	11.5		299 Sft
		1	14	14		196 Sft
		2	11.5	11.5		265 Sft
					Total	2152 Cft
2	Dismantling cement concrete 1:2:4 plain.					
	GROUND FLOOR					
	Medical Supdt	1	14	19.75	0.125	35 Sft
	Specialist	2	14	14	0.125	49 Sft
	Exam	5	7	5	0.125	22 Sft
	Dispensary	1	14	9.25	0.125	16 Sft
	X-Ray	1	14	14.5	0.125	25 Sft
	Dispensary	1	14	14.5	0.125	25 Sft
	D.Room & F/S	1	14	7	0.125	12 Sft
	Pantry	1	14	9.25	0.125	16 Sft
	M.O	1	14	12.5	0.125	22 Sft
	Gynie	1	14	14	0.125	25 Sft
	Waiting	1	8	9.254	0.125	9 Sft
	Male Waiting	1	14	15.5	0.125	27 Sft
	Dispensary	1	14	10	0.125	18 Sft
	Female Waiting	1	14	14	0.125	25 Sft
	Specialist	1	14	14.5	0.125	25 Sft
	Hakim	1	14	9.25	0.125	16 Sft
	Strecher Space	1	14	9.25	0.125	16 Sft
	Laboratory	1	14	9.25	0.125	16 Sft
	child Specialist	1	14	14.5	0.125	25 Sft
	E.P.I	1	14	14	0.125	25 Sft
	5 Beds Ward	4	19	19	0.125	181 Sft
	Stage	1	7	13	0.125	11 Sft
	5 Beds Ward	1	19	19	0.125	45 Sft
	Corridor 7' Wide	1	48	7	0.125	42 Sft
	5 Beds Ward	1	19	19	0.125	45 Sft
	Corridor 7' Wide	1	7	21	0.125	18 Sft
	FIRST FLOOR O.T	1	19	20	0.125	48 Sft
	Labour Room	1	19.25	14	0.125	34 Sft
	Prep+Sterilisation	1	10	18	0.125	23 Sft
	Laboratory	1	17.25	20	0.125	43 Sft
	Nursing Changing	1	10.875	13.625	0.125	19 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	Crush Hall	1	33	28	0.125	116	Sft
	Reception	1	10	12	0.125	15	Sft
	Nursary	1	14	19.75	0.125	35	Sft
	Under Stairs	1	19	9	0.125	21	Sft
	Corridor 8' Wide	1	58	8	0.125	58	Sft
	Delivery Room	1	19.25	14	0.125	34	Sft
	N.Station	1	9.25	7.625	0.125	9	Sft
	O.T	1	19	20	0.125	48	Sft
	Recovery	1	12	14	0.125	21	Sft
	Doctor Changing	1	13.75	14	0.125	24	Sft
	Exam	1	4	7.625	0.125	4	Sft
	Verandah 10' Wide	1	10	94	0.125	118	Sft
	Blood Transfusion	1	14	9.25	0.125	16	Sft
	Blood Bank	1	14	9.25	0.125	16	Sft
	N.S	1	8	9	0.125	9	Sft
	Store	1	14	9.25	0.125	16	Sft
	Bed	1	14	9.25	0.125	16	Sft
	Dr	4	7.25	10	0.125	36	Sft
	Bed	1	14	9.25	0.125	16	Sft
		1	18	19	0.125	43	Sft
	Pantry	1	14	9.25	0.125	16	Sft
	Corridor 7' Wide	1	16	7	0.125	14	Sft
	2 Bed Ward	1	14	22.5	0.125	39	Sft
	Corridor 7' Wide	1	7	127	0.125	111	Sft
	2 Bed Ward	1	14	19.25	0.125	34	Sft
	Bed	3	14	9.25	0.125	49	Sft
	Bed	1	14	10	0.125	18	Sft
	N.S	1	14	9.25	0.125	16	Sft
	2 Beded Ward	1	14	20.25	0.125	35	Sft
	Balcony	1	6	11	0.125	8	Sft
	5 Beds Ward	4	19	19	0.125	181	Sft
	N.St.	1	7	13	0.125	11	Sft
	Corridor 7' Wide	1	48	7	0.125	42	Sft
	Corridor 7' Wide	1	7	21	0.125	18	Sft
	Corridor 7' Wide.	1	50.0	15	0.125	94	Sft
		1	100.0	7	0.125	88	Sft
	Bath	1	9.75	7.5	0.125	9	Cft
		2	4	5.5	0.125	6	Cft
	Bath	1	7	4.75	0.125	4	Cft
		1	9.5	7.5	0.125	9	Cft
		2	5.5	4.5	0.125	6	Cft
		1	7	5	0.125	4	Cft
		6	6	4	0.125	18	Cft
	W.R	2	9	10.5	0.125	24	Cft
		2	6	4	0.125	6	Cft
		2	5	4	0.125	5	Cft
	W.R	2	6	5	0.125	8	Cft
	W.R	1	6	4	0.125	3	Cft
	Female Toilet	1	14	14	0.125	25	Cft
	Male Toilet	1	14	14	0.125	25	Cft
	W.R	2	9	10.5	0.125	24	Cft
	Lav	1	26	11.5	0.125	37	Cft
		1	14	14	0.125	25	Cft
		2	11.5	11.5	0.125	33	Cft
						Total	2674 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4					
	Same Qty as Item No. 2	2674	/	0.125	0.107	2674
						2572 Cft
					Total: -	2572 Cft
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm					2674
	GROUND FLOOR					
	Medical Supdt	1	14	19.75		277 Sft
	Specialist	2	14	14		392 Sft
	Exam	5	7	5		175 Sft
	Dispensary	1	14	9.25		130 Sft
	X-Ray	1	14	14.5		203 Sft
	Dispensary	1	14	14.5		203 Sft
	D.Room & F/S	1	14	7		98 Sft
	Pantry	1	14	9.25		130 Sft
	M.O	1	14	12.5		175 Sft
	Gynie	1	14	14		196 Sft
	Waiting	1	8	9.254		74 Sft
	Male Waiting	1	14	15.5		217 Sft
	Dispensary	1	14	10		140 Sft
	Female Waiting	1	14	14		196 Sft
	Specialist	1	14	14.5		203 Sft
	Hakim	1	14	9.25		130 Sft
	Strecher Space	1	14	9.25		130 Sft
	Laboratory	1	14	9.25		130 Sft
		1	18	18		324 Sft
		1	19	19		361 Sft
	child Specialist	1	14	14.5		203 Sft
	E.P.I	1	14	14		196 Sft
	5 Beds Ward	4	19	19		1444 Sft
	Stage	1	7	13		91 Sft
	5 Beds Ward	1	19	19		361 Sft
	Corridor 7' Wide	1	48	7		336 Sft
	5 Beds Ward	1	19	19		361 Sft
	Corridor 7' Wide	1	7	21		147 Sft
	FIRST FLOOR O.T	1	19	20		380 Sft
	Labour Room	1	19.25	14		270 Sft
		1	15	18		270 Sft
	Prep+Sterilisation	1	10	18		180 Sft
	Laboratory	1	17.25	20		345 Sft
	Nursing Changing	1	10.875	13.625		148 Sft
	Crush Hall	1	33	28		924 Sft
	Reception	1	10	12		120 Sft
	Nursary	1	14	19.75		277 Sft
	Under Stairs	1	19	9		171 Sft
	Corridor 8' Wide	1	58	8		464 Sft
	Delivery Room	1	19.25	14		270 Sft
	N.Station	1	9.25	7.625		71 Sft
	Recovery	1	12	14		168 Sft
	Doctor Changing	1	13.75	14		193 Sft
	Exam	1	4	7.625		31 Sft
	Verandah 10' Wide	1	10	94		940 Sft
	Blood Transfusion	1	14	9.25		130 Sft
	Blood Bank	1	14	9.25		130 Sft
	N.S	1	8	9		72 Sft
	Store	1	14	9.25		130 Sft
	Bed	1	14	9.25		130 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	Dr	4	7.25	10		290	Sft
	Bed	1	14	9.25		130	Sft
		1	18	19		342	Sft
	Pantry	1	14	9.25		130	Sft
	Corridor 7' Wide	1	16	7		112	Sft
	2 Bed Ward	1	14	22.5		315	Sft
	Corridor 7' Wide	1	7	127		889	Sft
	2 Bed Ward	1	14	19.25		270	Sft
	Bed	3	14	9.25		389	Sft
	Bed	1	14	10		140	Sft
	N.S	1	14	9.25		130	Sft
	2 Bedded Ward	1	14	20.25		284	Sft
	Balcony	1	6	11		66	Sft
	5 Beds Ward	4	19	19		1444	Sft
	N.St.	1	7	13		91	Sft
	Corridor 7' Wide	1	48	7		336	Sft
	Corridor 7' Wide	1	7	21		147	Sft
	Corridor 7' Wide	1	50.0	15		750	Sft
		1	400.0	7		700	Sft
						Total 1471	49792 Sft
5	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer. Incharge Full body Glazed Tile 600mm x600 mm						
	GROUND FLOOR						
	Medical Supdt	2	(14+ 19.75)	4.00		270	Sft
	Specialist	4	(14+ 14)	4.00		448	Sft
	Exam	10	(7+ 5)	4.00		480	Sft
	Dispencery	2	(14+ 9.25)	4.00		186	Sft
	Dispencery	2	(14+ 14.5)	4.00		228	Sft
	D.Room & F/S	2	(14+ 7)	4.00		168	Sft
	Pantry	2	(14+ 9.25)	4.00		186	Sft
	M.O	2	(14+ 12.5)	4.00		212	Sft
		2	(18+ 19)	4.00		296	Sft
	Gynie	2	(14+ 14)	4.00		224	Sft
	Waiting	2	(8+ 9.254)	4.00		138	Sft
	Male Waiting	2	(14+ 15.5)	4.00		236	Sft
	Dispensary	2	(14+ 10)	4.00		192	Sft
	Female Waiting	2	(14+ 14)	4.00		224	Sft
	Specialist	2	(14+ 14.5)	4.00		228	Sft
	Hakim	2	(14+ 9.25)	4.00		186	Sft
	Strecher Space	2	(14+ 9.25)	4.00		186	Sft
	Laboratory	2	(14+ 9.25)	4.00		186	Sft
		2	(18+ 18)	4.00		288	Sft
		2	(19+ 19)	4.00		304	Sft
	child Specialist	2	(14+ 14.5)	4.00		228	Sft
	E.P.I	2	(14+ 14)	4.00		224	Sft
	5 Beds Ward	2	(19+ 19)	4.00		304	Sft
	Stage	2	(7+ 13)	4.00		160	Sft
	5 Beds Ward	2	(19+ 19)	4.00		304	Sft
	Corridor 7' Wide	2	48	4.00		384	Sft
	5 Beds Ward	2	(19+ 19)	4.00		304	Sft
	Corridor 7' Wide	2	(7+ 21)	4.00		224	Sft
	Ramp	2	(60+ 10.25)	4.00		562	Sft
	FIRST FLOOR						
	Labour Room	2	(19.25+ 14)	4.00		266	Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
		2	(15+ 18)	4.00		264 Sft
	Prep+Sterilisation	2	(10+ 18)	4.00		224 Sft
	Laboratory	2	(17.25+ 20)	4.00		298 Sft
	Nursing Changing	2	(10.875+ 13.625)	4.00		196 Sft
	Crush Hall	2	(33+ 28)	4.00		488 Sft
	Reception	2	(10+ 12)	4.00		176 Sft
	Nursary	2	(14+ 19.75)	4.00		270 Sft
	Under Stairs	2	(19+ 9)	4.00		224 Sft
	Corridor 8' Wide	2	(58+ 8)	4.00		528 Sft
	Delivery Room	2	(19.25+ 14)	4.00		266 Sft
	N.Station	2	(9.25+ 7.625)	4.00		135 Sft
	Recovery	2	(12+ 14)	4.00		208 Sft
	Doctor Changing	2	(13.75+ 14)	4.00		222 Sft
	Exam	2	(4+ 7.625)	4.00		93 Sft
	Verandah 10' Wide	2	(10+ 94)	4.00		832 Sft
	Blood Transfusion	2	(14+ 9.25)	4.00		186 Sft
	Blood Bank	2	(14+ 9.25)	4.00		186 Sft
	N.S	2	(8+ 9)	4.00		136 Sft
	Store	2	(14+ 9.25)	4.00		186 Sft
	Bed	2	(14+ 9.25)	4.00		186 Sft
	Dr	2	(7.25+ 10)	4.00		138 Sft
	Bed	2	(14+ 9.25)	4.00		186 Sft
	Pantry	2	(14+ 9.25)	4.00		186 Sft
	Corridor 7' Wide	2	(16+ 7)	4.00		184 Sft
	2 Bed Ward	2	(14+ 22.5)	4.00		292 Sft
	Corridor 7' Wide	2	(7+ 127)	4.00		1072 Sft
	2 Bed Ward	2	(14+ 19.25)	4.00		266 Sft
	Bed	6	(14+ 9.25)	4.00		558 Sft
	Bed	2	(14+ 10)	4.00		192 Sft
	N.S	2	(14+ 9.25)	4.00		186 Sft
	2 Beded Ward	2	(14+ 20.25)	4.00		274 Sft
	Balcony	2	(6+ 11)	4.00		136 Sft
	5 Beds Ward(4x2)	8	(19+ 19)	4.00		1216 Sft
	N.St.	4	(7+ 13)	4.00		320 Sft
	Corridor 7' Wide	2	48	4.00		384 Sft
	Corridor 7' Wide	2	21	4.00		168 Sft
	Corridor 7' Wide	2	50	4.00		400 Sft
		2	100	4.00		800 Sft
	Ramp	2	(60+ 10.25)	4.00		562 Sft
					Total(A)	15674-20650 Sft
	D/d					
	D1	15	4	4		240 Sft
		9	3	4		108 Sft
	D2	15	3.5	4		210 Sft
	D3	18	3.25	4		234 Sft
	WINDOWS					
		70	4	1		280 Sft
		60	2.5	1		150 Sft
					Total(B)	1222 Sft
					G.Total(A+B)	49428 Sft
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"					16876
	Bath	1	9.75	7.5		73 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
		2	4	5.5		44 Sft
	Bath	1	7	4.75		33 Sft
		1	9.5	7.5		71 Sft
		2	5.5	4.5		50 Sft
		1	7	5		35 Sft
		6	6	4		144 Sft
	W.R	2	9	10.5		189 Sft
		2	6	4		48 Sft
		2	5	4		40 Sft
	W.R	2	6	5		60 Sft
	W.R	1	6	4		24 Sft
	Female Toilet	1	14	14		196 Sft
		2	5	5		50 Sft
		2	6	6		72 Sft
	Male Toilet	2	14	14		392 Sft
	W.R	2	9	10.5		189 Sft
	Lav	1	26	11.5		299 Sft
		1	14	14		196 Sft
		2	11.5	11.5		265 Sft
					Total	2470 Sft
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"					
	Bath	2	(9.75+	7.5)	7	242 Sft
		4	(4+	5.5)	7	266 Sft
	Bath	2	(7+	4.75)	7	165 Sft
		2	(9.5+	7.5)	7	238 Sft
		4	(5.5+	4.5)	7	280 Sft
		2	(7+	5)	7	168 Sft
	(6x2)	12	(6+	4)	7	840 Sft
	W.R	4	(9+	10.5)	7	546 Sft
		4	(6+	4)	7	280 Sft
		4	(5+	4)	7	252 Sft
	W.R	4	(6+	5)	7	308 Sft
	W.R	2	(6+	4)	7	140 Sft
	Female Toilet	2	(14+	14)	7	392 Sft
		4	(5+	5)	7	280 Sft
		4	(6+	6)	7	336 Sft
	Male Toilet	4	(14+	14)	7	784 Sft
	W.R	4	(9+	10.5)	7	546 Sft
	Lav	2	(26+	11.5)	7	525 Sft
		2	(14+	14)	7	392 Sft
	B.R	4	(11.5+	11.5)	7	644 Sft
					Total(A)	7624 Sft
	D/d D	32	2.5	7		560 Sft
					Total(B)	560 Sft
					NET Total	7064 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
8	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge					
	O.T	1	19	20.00		380 Sft
					Total: -	380 Sft
9	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.					
	O.T	1	19	20.00		380 Sft
					Total: -	380 Sft
10	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge (b) 2.5mm thick					
	O.T	2	(19+	20)	12.00	936 Sft
					Total: -	936 No.
11	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves , 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 and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.					
	D2	15	4	9		540 Sft
	D3	15	3.5	9		473 Sft
	D4	10	3	7		210 Sft
		6	3.5	7		147 Sft
					Total 2162	1370 Sft
12	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated 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 ½" (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.					
	DW1	2	11.5	9		207 Sft
	D	3	7	9		189 Sft
	D1	2	5	9		90 Sft
	DW2	1	8	9		72 Sft
	DW3	1	10	9		90 Sft
	For Wards	2	8	9		144 Sft
					Total	792 Sft
13	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Non-Skid Chequered Tiles) 300mmx300mm					
	Ramp	4	60	10.25		2460 Sft
		2	40	6		480 Sft
		2	20	6		240 Sft
					Total: -	3180 Sft
14	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2- ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge					
		12	38			456 Rft
		2	40			80 Rft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
		1	20			20	Rft
		1	8			8	Rft
					Total	564	Rft
15	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.						
					Total: -	15	No
16	Removing windows and sky lights with chowkat.						
	W1	35	36			36	No
	W2		25			25	No
	W3	23	17			17	No
	W4	25	18			18	No
	W5		2			2	No
	W6		3			3	No
	W7		6			6	No
	W8		9			9	No
	V1		28			28	No
	V2		5			5	No
	V3		6			6	No
	V4		4			4	No
	V5		16			16	No
	V6		2			2	No
					Total: -	189	No
17	Removing door with chowkat.						
	D2	15				15	No
	D3	15				15	No
	D4	10				10	No
		6				6	No
		32				32	No
					Total: -	78	No
18	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacture having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.						
						Ver speng.	7056
	W1	35	8	6.5		1820	Sft
	W2	25	6	6.5		975	Sft
	W3	23	4	6.5		598	Sft
	W4	25	9	6.5		1463	Sft
	W5	2	16	6.5		208	Sft
	W6	3	10	6.5		195	Sft
	W7	6	9.25	6.5		361	Sft
	W8	9	2.5	6.5		146	Sft
	V1	28	4	2.5		280	Sft
	V2	5	3	4.5		68	Sft
	V3	6	2.5	2.5		38	Sft
	V4	4	8	2.5		80	Sft
	V5	16	6	2.5		240	Sft
	V6	2	5	2.5		25	Sft
					Total	13558	Sft
					Total	6497	Sft
19	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.						
						13553	6776
	1/2 qty above item	6497	/	2		5249	Sft
					Total: -	3249	Sft
						6776	

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
20	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars					
	Same Qty as Item No. 18					1353
						6497 Sft
						Total: - 6497 Sft
21	Removing cement or lime plaster.					
	opd R/s wall	1	48	15		720 Sft
	ward b/s wall	1	270	15		4050 Sft
		1	15	19		285 Sft
		1	14	18		252 Sft
						Total: - 5307 Sft
22	Cement plaster 1:4 upto 20' (6.00 mm) height:-1/2" (13 mm) thick					
		1	15	19		285 Sft
		1	14	18		252 Sft
	opd R/s wall	1	48	15		720 Sft
	ward b/s wall	1	270	15		4050 Sft
						Total: - 5307 Sft
23	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge					
		112	7	9		7056 Sft
						Total: - 7056 Sft
24	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.					
	Door	18	2	3.5	7	882 Sft
		15	2	3	7	630 Sft
		15	2	3.25	7	683 Sft
						Total: - 2195 Sft
25	Dismantling 2nd class tile roofing					
		1	156.75	100.75		15793 Sft
	D/d	1	21.75	12.75		-277 Sft
		1	9.75	12.25		-119 Sft
		2	37.75	12		-906 Sft
						Total 14491 Sft
	Take 50% Qty	14491	50%			7246 Sft
26	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.					
	same qty as per item # 25					7246 Sft
27	Scraping Ordinary distemper, oil bound distemper, or paint of wall.					
	GROUND FLOOR					
	Plate Form	2	(25+ 6)	8		496 Sft
	Veranda	2	(21.75+ 9)	8		492 Sft
	Ent. Hall	2	(33+ 23)	8		896 Sft
	Toward Stairs	2	(4+ 9)	8		208 Sft
	Under Stairs	2	(15+ 9)	8		384 Sft
	Corridor 7' Wide	2	(7+ 127)	8		2144 Sft
	Exam	10	(7+ 5)	8		960 Sft
	Dispencery	2	(14+ 9.25)	8		372 Sft
	X-Ray	2	(14+ 14.5)	8		456 Sft
	Dispencery	2	(14+ 14.5)	8		456 Sft
	D.Room & F/S	2	(14+ 7)	8		336 Sft
	Pantry	2	(14+ 9.25)	8		372 Sft
	Corridor 7' Wide	2	(10+ 7)	8		272 Sft
		2	(15+ 20)	8		560 Sft
		2	(12+ 15)	8		432 Sft

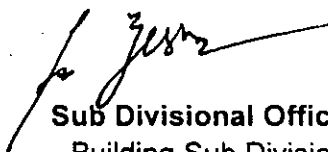
Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	Waiting	2	(8+ 9.254)	8		276	Sft
	Male Waiting	2	(14+ 15.5)	8		472	Sft
	Dispensary	2	(14+ 10)	8		384	Sft
	Female Waiting	2	(14+ 14)	8		448	Sft
	Hakim	2	(14+ 9.25)	8		372	Sft
	Strech Space	2	(14+ 9.25)	8		372	Sft
	Under Stairs	2	(19+ 9)	8		448	Sft
	Laboratory	2	(14+ 9.25)	8		372	Sft
	E.P.I	2	(14+ 14)	8		448	Sft
	Plateform	2	(6+ 9)	8		240	Sft
	Veranda 10' Wide	2	(10+ 94)	8		1664	Sft
	Balcony	2	(10+ 9)	8		304	Sft
	5 Beds Ward	8	(19+ 19)	8		2432	Sft
	Nursing Station	2	(7+ 13)	8		320	Sft
	5 Beds Ward	2	(19+ 19)	8		608	Sft
	Corridor 7' Wide	2	(48+ 7)	8		880	Sft
	5 Beds Ward	2	(19+ 19)	8		608	Sft
	Corridor 7' Wide	2	(7+ 21)	8		448	Sft
	Ramp	4	(60+ 10.25)	8		2248	Sft
	Toilet	2	(7+ 4)	8		176	Sft
		10	(7+ 5)	8		960	Sft
	Toilet	4	(6+ 5)	8		352	Sft
	Lav	2	(26+ 11.5)	8		600	Sft
	Toilet	10	(4.5+ 3.5)	8		640	Sft
	FIRST FLOOR						
	O.T	2	(19+ 20)	8		624	Sft
	Labour Room	2	(19.25+ 14)	8		532	Sft
	Prep+Sterilisation	2	(10+ 18)	8		448	Sft
	Laboratory	2	(17.25+ 20)	8		596	Sft
	Nursing Changing	2	(10.875+ 13.625)	8		392	Sft
	Crush Hall	2	(33+ 28)	8		976	Sft
	Reception	2	(10+ 12)	8		352	Sft
	Nursary	2	(14+ 19.75)	8		540	Sft
	Under Stairs	2	(19+ 9)	8		448	Sft
	Corridor 8' Wide	2	(58+ 8)	8		1056	Sft
	Delivery Room	2	(19.25+ 14)	8		532	Sft
	N.Station	2	(9.25+ 7.625)	8		270	Sft
	Recovery	2	(12+ 14)	8		416	Sft
	Doctor Changing	2	(13.75+ 14)	8		444	Sft
	Exam	2	(4+ 7.625)	8		186	Sft
	Verandah 10' Wide	2	(10+ 94)	8		1664	Sft
	Blood Transfusion	2	(14+ 9.25)	8		372	Sft
	Blood Bank	2	(14+ 9.25)	8		372	Sft
	N.S	2	(8+ 9)	8		272	Sft
	Store	2	(14+ 9.25)	8		372	Sft
	Bed	2	(14+ 9.25)	8		372	Sft
	Dr	2	(7.25+ 10)	8		276	Sft
	Bed	2	(14+ 9.25)	8		372	Sft
	Pantry	2	(14+ 9.25)	8		372	Sft
	Corridor 7' Wide	2	(16+ 7)	8		368	Sft
	2 Bed Ward	2	(14+ 22.5)	8		584	Sft
	Corridor 7' Wide	2	(7+ 127)	8		2144	Sft
	2 Bed Ward	2	(14+ 19.25)	8		532	Sft
	Bed	6	(14+ 9.25)	8		1116	Sft
	Bed	2	(14+ 10)	8		384	Sft
	N.S	2	(14+ 9.25)	8		372	Sft
	2 Beded Ward	2	(14+ 20.25)	8		548	Sft
	Lav	2	(14+ 14)	8		448	Sft
	Balcony	2	(6+ 11)	8		272	Sft


Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	5 Beds Ward	8	(19+19)	8		2432	Sft
	N.St.	2	(7+13)	8		320	Sft
	Corridor 7' Wide	2	(48+7)	8		880	Sft
	Corridor 7' Wide	2	(7+21)	8		448	Sft
	Corridor 7' Wide	2	(50+15)	8		1040	Sft
		4	(60+10.25)	8		2248	Sft
	under slab	2	25	6		300	Sft
		2	21.75	9		392	Sft
		2	33	23		1518	Sft
		2	4	9		72	Sft
		2	15	9		270	Sft
		2	7	127		1778	Sft
		10	7	5		350	Sft
		2	14	9.25		259	Sft
		2	14	14.5		406	Sft
		2	14	14.5		406	Sft
		2	14	7		196	Sft
		2	14	9.25		259	Sft
		2	10	7		140	Sft
		2	15	20		600	Sft
		2	12	15		360	Sft
		2	8	9.254		148	Sft
		2	14	15.5		434	Sft
		2	14	10		280	Sft
		2	14	14		392	Sft
		2	14	9.25		259	Sft
		2	14	9.25		259	Sft
		2	19	9		342	Sft
		2	14	9.25		259	Sft
		2	14	14		392	Sft
		2	6	9		108	Sft
		2	10	94		1880	Sft
		2	10	9		180	Sft
		8	19	19		2888	Sft
		2	7	13		182	Sft
		2	19	19		722	Sft
		2	48	7		672	Sft
		2	19	19		722	Sft
		2	7	21		294	Sft
		4	60	10.25		2460	Sft
		2	7	4		56	Sft
		10	7	5		350	Sft
		4	6	5		120	Sft
		2	26	11.5		598	Sft
		10	4.5	3.5		158	Sft
					Total(A)	72761	Sft
	D/d						
	D1	12	5	3		180	Sft
		6	4	3		72	Sft
	D2	15	4	7		420	Sft
	D3	6	2.5	7		105	Sft
	D4	25	5	7		875	Sft
	AI	10	5	2		100	Sft
	WINDOWS						
		30	4	4		480	Sft
		31	6	5		930	Sft
					Total(B)	3162	Sft
					G.Total(A-B)	69599	Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
28	Preparing surface and painting with emulsion paint 2 coats					
	Same Qty as Item No. 27					69599 Sft
29	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: two coat					
	Front Side	1	102.25	28		2863 Sft
	Right Side	1	46.5	28		1302 Sft
		4	60	28		6720 Sft
		1	62.125	28		1740 Sft
	Back Side	1	158.25	28		4431 Sft
		1	102.25	28		2863 Sft
		1	12.25	28		343 Sft
		1	11.75	28		329 Sft
		1	14.125	28		396 Sft
		1	18	28		504 Sft
	<i>Hand opening</i>				Total	21491 Sft
30	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge					1435 sp
		33	2.5	7		578 Sft
					Total	578 Sft
31	Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.					
		200	4			800 Rft
					Total: -	800 Rft
32	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)					
	For Rain water Down Pipe	30	15			450 Rft
33	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)					
		30	2			60 No.
34	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)					
		30				30 No.
35	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. <i>Full width marble slab for Van. bin / Shelves / heads / window sill. (1.2) c.s.m i/c Cost of marking & sculler as approved and directed by Engineer incharge. China Veneer</i>					
	shelves top	5	1	8	2	80 Sft
	W1	28	8	1.25		280 Sft
	W2	25	6	1.25		188 Sft
	W3	17	4	1.25		85 Sft
	W4	18	9	1.25		203 Sft
	W5	2	16	1.25		40 Sft
	W6	3	10	1.25		38 Sft
	W7	1	9.25	1.25		12 Sft
	W8	9	2.5	1.25		28 Sft
	Entrance Steps	4	36	1.125		162 Sft
	Platform	1	31	7		217 Sft
	Stair Steps	66	4.25	1.125		316 Sft
	Landings	6	8.5	5		255 Sft
		10	10	1.125		113 Sft
	Risers	66	4.25	0.5		140 Sft
		10	10	0.5		50 Sft
					Total: -	2207 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
36	P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as per instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.					
	X-Ray Room	2	14	12		336 Sft
		2	14.5	12		348 Sft
					Total	684 Sft
37	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.					
						550 No.
					Total	550 No.
						50
38	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage, size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. 16SWG 4"x3"					
						500 Rft
					Total	500 Rft
ii	do 6"x3"					
						300 Rft
					Total	300 Rft
39	Supply and erection of copper conductor cables for service connection, in pre laid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- 150 mm sq (37/0.083)					
						300 Rft
					Total	300 Rft
ii	do 120 mm sq (37/0.083)					
						400 Rft
					Total	400 Rft
40	Cement plaster 1:5 upto 20' (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.					
		2	15	7		210 Sft
		2	18.875	12		453 Sft
		2	13	12		312 Sft
		2	18	12		432 Sft
		1	100	12		1200 Sft
		2	30	12		720 Sft
					Total	3327 Sft
41	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- On interior surface (without mastic strip)					
		12	12			144 Rft
					Total	144 Rft
42	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.					
		10	40			400 Rft
					Total	400 Rft
43	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabin 22" deep with back Complete in all Respect.					
	G.Floor	1	22	2.5		55 Sft
		1	9.25	2.5		23 Sft
		1	7	2.5		18 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	F.Floor	1	9.25		2.5	23	Sft
		1	22		2.5	55	Sft
		1	7		2.5	18	Sft
		1	14		2.5	35	Sft
						Total: -	227 Sft
44	Providing And Laying Of Natural Stone Tile Golden Colour 4"x2" Size With Lazer Cutter Having Rectangle Shape 3/8 To 1/2" Thick Laid In Classical Pattern By Providing 3/8" Wide Groove On Horizontally And Vertically Laid With Cement Sand Mortor 1:3 I/C Filling Joints With Pigment As Directed By The Engineer Incharge.						
	Front Side	1	102.25	29		2965	Sft
	Right Side	1	46.5	29		1349	Sft
		4	60	25		6000	Sft
		1	62.125	34		2112	Sft
						Total	12426 Sft
	Take 80% Qty	1	12426	80%		9941	Sft
45	Electrification + Public Health + Sui Gas (Plinth Area Rates 2nd Bi Annual 2020 Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/190/D, Dated 15.01.2021 for 1st Bi Annual Period 1st January 2021 to 30th June 2021						
i	Covered Area for Electrification					35250	Sft
ii	Covered Area for Public Health					35250	Sft
46	Deduction of Old Material					22500	
1	Old Doors with Chowkat						
	Same Qty as per Item No. 17					78	No.
2	Old Windows						
	Same Qty as per Item No. 16					189	177 No.
3	Tiles 9"x4-1/2"x1-1/2"						
	Take 70% Qty as per Item No. 25	1	7246	70%	5072	Sft	
	In Numbers	1	5072	3.7		18766	No.
4	Tile Bats						
	Take 30% Qty as per Item No. 17	1	7246	30%	2174	Sft	
		1	7246	0.125		906	Cft
6	Electric Cables (Unserviceable)						
						1	Job
7	Aluminium Doors (Unserviceable)						
						10	No.



 Sub Divisional Officer
 Building Sub Division
 Hassanabdal



 Executive Engineer
 Buildings Division,
 Attock

ABSTRACT OF COST

CONSTRUCTION OF ROOM FOR FILTRATION PLANT

Sr No	Description	Amount
1	Construction of Room for Filtration Plant	3610426
2	Electric Installation	71784
3	Detail of Water Supply Network	1021085
	G.Total :	4703296
	Add 3% Contingency:	141099
	G.Total :	4844395


Sub Divisional Officer
Building Sub Division
Hassanabdal



Executive Engineer
Buildings Division
Attock


ABSTRACT OF COST
CONSTRUCTION OF ROOM FOR FILTRATION PLANT

Sr No	Description	Qty	Unit	Rate	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.	1375	%0Cft	11949.45	16430
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	366	%Cft	21178.45	77513
3	Pacca brick work in foundation and plinth in Ratio 1:6	662	%Cft	30137	199507
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	94	P.Cft	438.75	41243
5	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 Grade-40.	288	%Kg	31418.2	90484
6	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	89	%Sft	8600.8	7655
7	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick	129	%Sft	5514.55	7114
8	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	1083	%Cft	32320.85	350035
9	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 1: 2: 4 ratio	352	P.Cft	537.5	189200
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 Grade-40.	1078	%Kg	31418.2	338688
11	Cement plaster 1:5 upto 20' height ½" thick	1177	%Sft	3082.5	36281
12	Cement plaster 1:4 upto 20' height ½" thick	1353	%Sft	3232.95	43750

Sr No	Description	Qty	Unit	Rate	Amount
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	615	%Sft	3699.4	22747
14	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	917	%0Cft	5090.45	4668
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside. 3 mile	0	%0Cft	18484.85	0
16	Supplying and filling sand under floor; or plugging in wells.	152	%Cft	2,583.30	3927
17	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	218	%Cft	9464.4	20632
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	74	%Cft	36753.3	27197
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick	328	%Sft	6927.1	22721
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	197	P.Rft	19.8	3901
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¼"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	90	P.Sft	1,605.35	144482
22	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.	34	P.Sft	1002.55	34087
23	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm	460	P.Sft	340.35	156561

Sr No	Description	Qty	Unit	Rate	Amount
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	104	P.Sft	340.35	35396
25	Distempering new surface two coats with primary coat of chalk	1177	%Sft	1283.5	15107
26	Cement pointing flush upto 20' (6.00 m) height:ratio 1:2 i/c Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks	1508	%Sft	3834.35	57832
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	207.15	1657
28	Providing and fixing M.S. flat 1/2"x1/8" (13mm x 3mm) grill including 3/4" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	8	P. Sft	492.15	3937
29	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 1/2"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement 1/2"(13 mm) thick	142	%Sft	20953.65	29754
30	P/F Reverse osmosis Drinking water filtration plant capacity 500-600 ltr LPH with blending UF membrane complete in all respect as approved and directed by Engineer Incharge	1	P.Job	1627920	1627920
				Total	3610426


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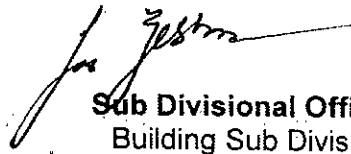
CONSTRUCTION OF ROOM FOR FILTRATION PLANT


S.#	Description	N	L	B	H	Qty	Unit
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.						
	H/Wall	3	24.125	3	3	651	Cft
	V/Wall	2	18.125	3	3	326	Cft
		2	3.125	3	3	56	Cft
						1033	Cft
	P.P	2	26.75	1.5	2	161	Cft
		2	30.125	1.5	2	181	Cft
						342	Cft
					Total	1375	Cft
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12						
	H/Wall	3	24.125	3	0.75	163	Cft
	V/Wall	2	18.125	3	0.75	82	Cft
		2	3.125	3	0.75	14	Cft
	P.P	2	26.75	1.5	0.333	27	Cft
		2	30.125	1.5	0.3333	30	Cft
		1	22.25	4.5	0.5	50	Cft
					Total	366	Cft
3	Pacca brick work in foundation and plinth in Ratio 1:6						
	H/Wall	3	23.375	2.25	0.25	39	Cft
		3	23	1.875	0.25	32	Cft
		3	22.625	1.5	0.25	25	Cft
		3	22.25	1.125	3	225	Cft
	V/Wall	2	16.875	2.25	0.25	19	Cft
		2	17.25	1.875	0.25	16	Cft
		2	17.625	1.5	0.25	13	Cft
		2	18	1.125	3	122	Cft
	V/Wall Veranda	2	3.875	2.25	0.25	4	Cft
		2	4.25	1.875	0.25	4	Cft
		2	4.625	1.5	0.25	3	Cft
		2	5	1.125	3	34	Cft
	steps	1	22.25	4.5	0.5	50	Cft
		1	22.25	3.375	0.5	38	Cft
		1	22.25	2.25	0.5	25	Cft
		1	22.25	1.125	0.5	13	Cft
					Total	662	Cft
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (nominal mix 1: 2: 4)						
	P/Beam H/Wall	3	22.125	1.125	0.75	56	Cft
	V/Wall	2	18	1.125	0.75	30	Cft
		2	5	1.125	0.75	8	Cft
					Total	94	Cft
5	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 Grade-40.						
	Same Qty as above	1	94	6.75	0.454	288	Kg
					Total	288	Kg
6	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick						
		2	22.25	1.125		50	Sft
		2	18	1.125		41	Sft
		3	1.125	1.125		4	Sft
					Total	95	Sft
	D/d	1	5	1.125		6	Sft
					Total	89	Sft

7	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ½" thick						
		2	18	1.5		54	Sft
		2	20	1.5		60	Sft
		2	5	1.5		15	Sft
					Total	129	Sft
8	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6						
	H/Wall	2	22.25	1.125	12	601	Cft
	V/Wall	2	18.25	1.125	12	493	Cft
	Above	1	22.25	1.125	3.5	88	Cft
		2	5	1.125	3.5	39	Cft
	Pillar	3	1.125	1.125	8.5	32	Cft
					Total	1253	Cft
	Deduction Window	3	5	1.125	6	101	Cft
	Door	1	5	1.125	8.5	48	Cft
	Lintel	1	6	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	170	Cft
					Net Qty	1083	Cft
9	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 1: 2: 4 ratio						
		1	25.25	29.375	0.417	309	Cft
		1	22.25	1	1	22	Cft
		1	6.5	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	352	Cft
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 Grade-40.						
		352	6.75	0.4536		1078	Kg
11	Cement plaster 1:5 upto 20' height ½" thick						
		2	20	12		480	Sft
		2	18	12		432	Sft
		1	20	8		160	Sft
		2	5	3.5		35	Sft
		1	20	3.5		70	Sft
					Total	1177	Sft
12	Cement plaster 1:4 upto 20' height ½" thick						
	Outer walls	2	22.25	14.5		645	Sft
		2	20.25	14.5		587	Sft
		2	6.125	3.5		43	Sft
		1	22.25	3.5		78	Sft
					Total	1353	Sft
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio						
		1	20	18		360	Sft
		1	20	5		100	Sft
	Shade	2	29.375	1.5		88	Sft
		2	22.25	1.5		67	Sft
					Total	615	Sft
14	Filling, watering and ramming earth under floors with surplus earth from foundation, etc						
		1375			2/3	917	Cft
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile						
	Room	1	20	18	1.75	630	Cft
	Ver.	1	20	5	1.75	175	Cft
					Total	805	Cft
	Deduction (from Surplus earth)				(-)	917	Cft
					Total	0	Cft
16	Supplying and filling sand under floor; or plugging in wells.						
		1	20	18	0.33	119	Cft
		1	20	5	0.33	33	Cft
					Total	152	Cft

17	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects						
		1	20	18	0.33	119	Cft
		1	20	5	0.33	33	Cft
		2	30.875	2.25	0.25	35	Cft
		2	27.75	2.25	0.25	31	Cft
					Total	218	Cft
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4						
	Floor	1	20	18	0.16	58	Cft
		1	20	5	0.16	16	Cft
					Total	74	Cft
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 1½"(40 mm) thick						
		2	32.375	3		194	Sft
		2	22.25	3		134	Sft
					Total	328	Sft
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick						
		328			0.6	197	Rft
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1-½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.						
		3	5	6		90	Sft
					Total	90	Sft
22	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.						
		1	5		6.875	34	Sft
					Total	34	Sft
23	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mmx 600 mm						
		1	20	18		360	Sft
		1	20	5		100	Sft
					Total	460	Sft
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm						
		2	20		0.33	13	Sft
		2	18		0.33	12	Sft
		1	20		4	80	Sft
					Total	105	Sft
	D/d	1	4.5		0.33	1	Sft
					Total	104	Sft
25	Distemping new surface two coats with priming coat of chalk						
	Same Qty as per item No. 11					1177	Sft
26	Cement pointing flush upto 20' (6.00 m) height:ratio 1:2 i/c Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.						
	Same Qty as per item No. 12					1353	Sft
	Shade	2	29.375	1.5		88	Sft
		2	22.25	1.5		67	Sft
					Total	1508	Sft
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.						
		1	5	1.5		8	Sft

28	Providing and fixing 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 painting three coats, complete in all respects.							
		1	5	1.5			8	Sft
29	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 grey cement ½"(13 mm) thick							
		1	20.25	7			142	Sft
30	P/F Reverse osmosis Drinking water filtration plant capacity 500-600 ltr LPH with blending UF membrane complete in all respect as approved and directed by Engineer Incharge							
		1					1	Job
							Total	1 Job

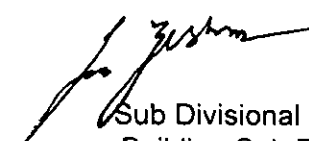

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CONSTRUCTION OF ROOM FOR FILTRATION PLANT

ELECTRIC INSTALLATION

Sr No	Description	Qty	Unit	Rate	Amount
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials				
i	25 mm i/d	50	P.Rft	94.6	4730
2	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only).				
i	3/0.029	300	P.Rft	25.7	7710
ii	7/0.036	50	P.Rft	21.7	1085
3	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
i	One way Gange Switch Small 03 Gange	2	Each	742.5	1485
ii	Large 06 Gange	3	Each	1162.5	3488
4	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	1	Each	67.8	68
5	Erection of ceiling fan along with regulator all size i/c carriage from local railway station / store to site of work electric wire / cable for suspending rod and board connection & cutting threading on rod where necessary	1	Each	462.5	463
6	S/E of ceiling fan 56" sweep complete in all respect	1	Each	7000	7000
7	Supply and erection of button holder	4	Each	104.15	417
8	P/F pannel board made of 18 SWG M.S sheet 12"x18" size housing of automatic miniatuere circuit breaker Fuji/Terrasaki with neutral link with the following breakers: (i) 6-10 Amp (S.P) 5 No. (ii) 11-20 Amp (SP) 2 Nos,(iii) 6-63 Amp (SP) 2 Nos. i/c 3 coats painting, cable connection, cost of volt meter, ampere meter, indicator bulb complete in all respect as approved and directed by the Engineer Incharge.	1	Each	43580	43580
9	Supply and erection of LED Bulb 12 Watt Complete in all respect as approved and directed by the Engineer Incharge.	4	Each	440	1760
				Total	71784



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DETAIL OF WATER SUPPLY NETWORK FOR FILTRATION PLANT

ABSTRACT OF COST

S. No	Description	No	L	B	H	Qty	Rate	Unit	Amount
1	Excavation in trenches in all kind of soil, except cutting rock, for water supply pipelines upto 5 ft (1.5m) depth from ground level, i/c trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints etc complete in all respect.								
		1	3200	2	2	12800			
					Total	12800	7622.75	%0Cft	97571
2	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 pipe (3/4")								
a	From Filtration room to distrubtion line 63 mm.	1200				1200			
					Total	1200	377.95	P.Rft	453540
b	---do--- 40 mm								
		1100				1100			
					Total	1100	161.3	P.Rft	177430
c	---do--- 25 mm								
		1500				1500			
					Total	1500	66.5	P.Rft	99750
d	---do--- 20 mm								
	Point	1000				1000			
					Total	1000	48.1	P.Rft	48100
3	Providing and fixing chromium plated bib cock: 2 cm (3/4")	10				10	Nos.		
					Total	10	1015	Each	10150
4	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.	20				20	Nos.		
	1/2" dia				Total	20	990	Each	19800
b	---do--- 1" dia.	24				24	Nos.		
					Total	24	1674	Each	40176
c	---do--- 3/4" dia.	52				52	Nos.		
					Total	52	1434	Each	74568
								Total	1021085

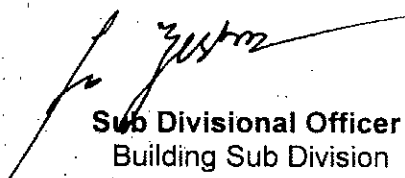

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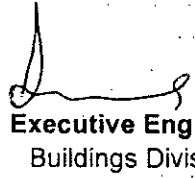

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P/F PANNEL BOARD MADE OF 18 SWG M.S SHEET 60x35x15 cm (24"x14"x6") SIZE HOUSING OF AUTOMATIC MINIATURE CIRCUIT BREAKER FUJI/TERRASAKI WITH NEUTRAL LINK WITH THE FOLLOWING BREAKERS: (I) 6-10 AMP (S.P) 5 NO. (II) 11-20 AMP (SP) 2 NOS,(III) 6-63 AMP (SP) 2 NOS. I/C 3 COATS PAINTING, CABLE CONNECTION, COST OF VOLT METER, AMPERE METER, INDICATOR BULB COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE

Unit: Each

Sr. #	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	M/S Sheet Box 12"x14" duly powder coated.	1	No.	6775.05	Each	Rs.	6775
2	6 - 63 amp T/P	2	No.	8433	Each	Rs.	16866
4	11 - 20 amp S/P	2	Nos.	1298.65	Each	Rs.	2597
5	6 - 10 amp S/P	5	Nos.	1298.65	Each	Rs.	6493
7	LED Phase Indicator	3	Nos.	513	Each	Rs.	1539
8	Volt meter (0-600 Volt)	1	Nos.	753	Each	Rs.	753
9	Ampere meter (0-9999 Amp)	1	Nos.	993	Each	Rs.	993
11	Carriage Charges				L.S	Rs.	300
TOTAL						Rs.	36317
	Contractor's Profit 20%					Rs.	7263
G. TOTAL						Rs.	43580
SAY:						Rs.	43580
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							


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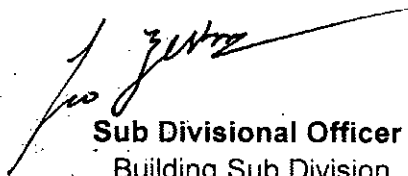

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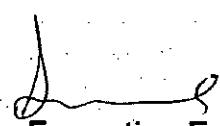
**ANALYSIS OF RATE FOR S/E OF LED LIGHT (12 WATTS) OF APPROVED
MANUFACTURER COMPLETE IN ALL RESPECT AS APPROVED &
DIRECTED BY THE ENGINEER INCHARGE.**

Unit: Each

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
A)	MATERIAL						
1	Cost of LED Light (12 Watt)	1.00	No.	300	Each	Rs.	300
	TOTAL (A)					Rs.	300
B)	LABOUR						
i	Electrician Charges (30 Nos Energy Saver One day)	0.05	Day	1250	P.Day	Rs.	63
	Add 10% Sundries					Rs.	6
	TOTAL (B)					Rs.	69
	TOTAL (A+B)					Rs.	369
	Add 20% contractor profit.					Rs.	74
	G.TOTAL					Rs.	442
					Say	Rs.	440

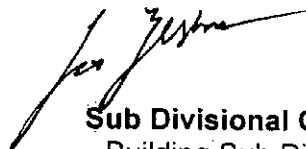
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK

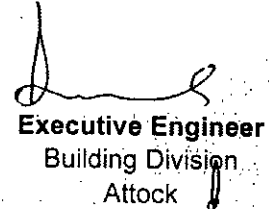

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**AMENDED ROUGH COST ESTIMATE FOR REVAMPING OF
TEHSIL HEADQUARTERS HOSPITALS ONE AT PINDI GHEB DISTRICT
ATTOCK (EXTERNAL SEWERAGE SYSTEM)**


Sr No	Description	Amount
1	Construction of septic tank	1895535
	Construction of Manholes	1066500
2	external sewerage	2099400
	G.Total :	3165900/- 5064435



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ABSTRACT OF COST FOR MANHOLE

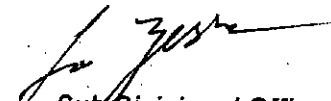
Sr. No.	Description	Qty	Unit	Rate	Amount
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock 0 ft. to 7.0 ft. (0 to 2.10 m) depth	2250	%0Cft	11740.4	26416
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	375	%Cft	21178.45	79419
3	Pacca brick work in foundation and plinth in Cement, sand mortar ratio 1:6.	1148	%Cft	30137	345973
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	184	%Cft	36753.3	67626
5	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick	1260	%Sft	3232.95	40735
6	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: 2: 4)	180	P. Cft	537.5	96750
7	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 (Grade-40)	551	%Kg	31418.2	173114
8	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.	30	Each	6847	205410
				Total: -	1035443
				Add 3% contingency	31063
				Total: -	1066506
				Say: -	1066500



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DETAIL FOR MANHOLE OF I/SIZE 3.5'X3.5'

1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock 0 ft. to 7.0 ft. (0 to 2.10 m) depth								
	Manhole		30	5	5	3		2250	Cft
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6:12								
	Manhole		30	5	5	0.5		375	Cft
3	Pacca brick work in foundation and plinth in Cement, sand mortar ratio 1:6.								
	Manhole		60	5	0.75	3		675	Cft
			60	3.5	0.75	3		473	Cft
								Total: -	1148 Cft
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4								
			30	3.5	3.5	0.5		184	Cft
5	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick								
			60	3.5	3			630	Sft
			60	3.5	3			630	Sft
								Total: -	1260 Sft
6	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: 2: 4)								
			30	4.25	4.25	0.333		180	Cft
								Total: -	180 Cft
7	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 (Grade-40)								
			1	180	6.75	0.4536		551	Kg
8	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.								
								30	No.


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EXTERNAL SEWERAGE

- Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water in all types of soil except shingle, gravel and rock.
- 1 Sewerline 1.5' dia 1x1000x4x4 16000 Cft
Total : 16000 Cft
 @ Rs 11740.40 %o Cft Rs. 187846 /-
- 2 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.
- 1x1000x4x.5 2000 Cft
- Total:- 2000 Cft
- @ 9464.40 % Cft Rs. 189288 /-
- 3 Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 460 mm (18") i/d
- 400 Rft
- Total:- 400 Rft
- @ 1181.80 P.Rft Rs. 472720 /-
- 380 mm (15") i/d
- 200 Rft
- Total:- 200 Rft
- @ 960.50 P.Rft Rs. 192100 /-
- 4 Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete 310 mm (12") i/d
- 400 Rft
- Total:- 400 Rft
- @ 695.60 P.Rft Rs. 278240 /-
- 5 Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:- 6" i/d (100 mm)
- 1x400 400 Rft
- Total:- 400 Rft
- @ 871.55 P.Rft 348620

- 6 Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)

1x500
Total:-
500 Rft

@ 440.65 P.Rft 220325

- 7 Providing and installing P.V.C. bends, of B.S.S with class B 4"dia

70 nos
70 Each


@ 543.55 Each 38049


- 8 Providing and installing P.V.C. tees, of B.S.S with class B 4"dia

70 nos
70 Each

@ 1586.00 total Each 111020

Total: Rs. 2038208 /-
Add 3% contingency 61146
Total: Rs. 2099354
Say:- 2099400 /-


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CONSTRUCTION OF 2 NO. SEPTIC TANK 36'X12'

Sr #	Description	No	L	B	H	Qty	Unit	Amount
1	Earth work excavation in open cutting like a man hole sewer line etc 0ft to 7ft depth.							
	Septic tank	2	36	12	10	8640	Cft.	
						Total:	8640	Cft.
	@ Rs.		11740.40		%0Cft			101437
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:12.							
	Septic Tank	2	36	12	0.5	432	Cft.	
						Total:	432	Cft.
	@ Rs.		21178.45		%Cft			91491
3	Pucca brick work 1:4 other then building.							
	Septic tank	4	35	1.125	8.75	1378	Cft.	
		4	8.75	1.125	8.75	345	Cft.	
	Partition Walls	6	8.75	0.375	7.25	143	Cft.	
						Total:	1866	Cft.
	@ Rs.		32898.70		%Cft			613890
4	1/2" thick cement neru plaster 1:2 upto 20ft height.							
	Septic tank	4	32.75	8.75		1146	Sft.	
		4	8.75	8.75		306	Sft.	
		12	8.75	7.25		761	Sft.	
						Total:	2213	Sft.
	@ Rs.		3780.70		%Sft			83667
5	PCC 1:2:4 including curring & finishing etc complete.							
	Septic tank	2	32.75	8.75	0.25	143	Cft.	
						Total:	143	Cft.
	@ Rs.		36753.30		%Cft			52557
6	Extra cost for making finishing benching in manhole chamber with 1/8" thick cement.							
	Septic tank	2	32.75	8.75		573	Sft.	
						Total:	573	Sft.
	@ Rs.		2934.10		%Sft			16812
7	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: 2: 4)							
	Septic tank	2	35	11	0.75	578	Cft.	
						Total:	578	Cft.
	@ Rs.		537.50		P. Cft			310675
8	Fabrication mild steel reinforcement for cement concrete l/c cutting bending laying in position making joints and fastening l/c cost of binding wire and labour charges for binding of steel reinforcement (also included removal of rust form bars) Deformed bar Grade 40.							
		1	578	6.75	0.4536	1770	Kg's	
						Total:	1770	Kg's
	@ Rs.		31418.20		%Kg			556102
9	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.							
		2				2	No's	
						Total:	2	No's
	@ Rs.		6847.00		Each			13694
						Total:		1840325
						Add 3% contingency		55210
						Total:		1895535

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ANALYSIS FOR CONSTRUCTION OF RECEPTION COUNTER BRICK MASONRY STRUCTURE 3.5' HEIGHT FROM GROUND LEVEL CONSISTING OF MARBLE GRENIITE AND KITCHEN CABNIT 22" DEEP WITH BACK COMPLETE IN ALL RESPECT.

Analysis for 8.5'x2.75' = 23.375 Sft

1 Pacca brick work in ground floor with cement, sand mortar Ratio 1:6

1	8.5	0.75	3.5	22 Cft
2	2	0.375	2.5	4 Cft
Total: -				26 Cft

@ Rs. 32320.85 %Cft

8403

2 Cement plaster 1:4 upto 20' (6.00 m) height 1/2" (13 mm) thick

2	8.5	3.5	60 Sft
2	2.75	2.5	14 Sft
Total: -			74 Sft

@ Rs. 3232.95 %Sft

2392

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

1	8.5	1.75	15 Sft
1	3	1	3 Sft
1	5	1.5	8 Sft
1	2.75	3.5	10 Sft
1	8.5	3.5	30 Sft
1	8.5	1	9 Sft
Total: -			75 Sft

@ Rs. 1308.85 P. Sft

98164

4 Providing and fixing Vin board cabinet 3/4" thick with drawers 3" deep in Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges, screws etc., complete in all respects. 2' deep, with back

1	7.75	2.5	19 Sft
Total: -			19 Sft

@ Rs. 1174.2 P. Sft

22310

5 P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.

3	3.5	11 Sft
Total: -		11 Sft

@ Rs. 640 P. Sft

7040

6 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 1: 2: 4 ratio

1	8.5	2	0.25	4 Cft
Total: -				4 Cft

@ Rs. 537.5 P. Cft

2150

7 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 Grade-40.

4	6.75	0.454	12 Kg
Total: -			12 Kg

@ Rs. 31418.2 %kg

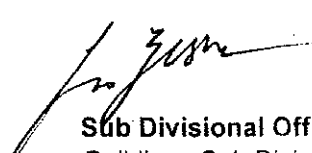
3770

Total: - 144229

Total: - 144229

Rate P.Sft: - 6170.225

Say: - 6170


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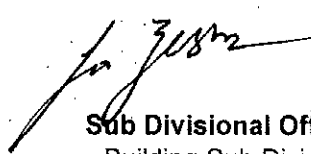

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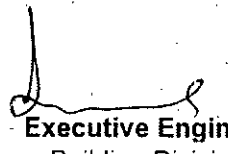
ANALYSIS OF RATE

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

Unit Rate P.Sft

Sr. No	Detail	Qty	Unit	Rate	Amount
A	MATERIAL				
1	DAMPA False ceiling 600mmx600mm i/c wire	100			
	Add: 5% Wastage	5			
	Total	105	P. Sft	280	29400
2	Aluminum Tee 1"x1/16"				
	2x6x10	120			
	Add: 5% Wastage	6			
	Total	126	Each	25	3150
3	Cost of Rawal plug (1 No) for 1 Sft	8	P.Dozen	30	240
4	Cost of Screw 1 1/4" size	8	P.Dozen	50	400
5	1/8" dia Rod 5' long 1 for 2Sft				
	50x5 = 252				
	225x 0.41x0.454 = 4.25	4.25	P.Kgs	42	179
	Total "A"				33369
B.	LABOUR				
1	Labour for fixing of frame i/c hanging wire upto 20' high	100	P.Sft	20	2000
2	Carriage of Material from factory to site			L.S	300
	Total				2300
	Add: 10% Sundries.				230
	Total "B"				2530
	Total A + B				35899
	Add: 20% Contractor Profit & O.H Charges				7180
	Total				43079
	Rate P.Sft	43079.00	\	100	430.79
	Say Rs. P.Sft				431

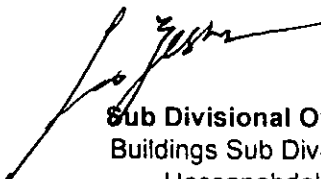

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ANALYSIS RATE FOR P/F OF ANTISTATIC ANTIBACTERIAL VINYL FLOORING WITH
FIXATION ON FLOOR I/C CARRIAGE OF MATERIAL FROM MARKET TO SITE OF WORK
COMPLETE IN ALL RESPECT AS APPROVED/ DIRECTED BY THE ENGINEER INCHARGE

Area: 10x10= 100 Sft
Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	P/F Antistatic vinyl flooring with copper mesh jointless welding in the same colour 2mm thick i/c labour	1	No				
	Total:	1	No	430.00	Each	Rs.	430
TOTAL						Rs.	430
	Add 20% Contractor Profit					Rs.	86
TOTAL						Rs.	516
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							


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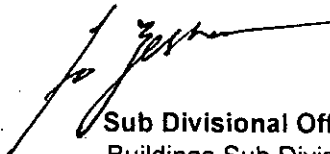

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Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG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

Area: 10x10= 100 Sft

Unit: P.Sft

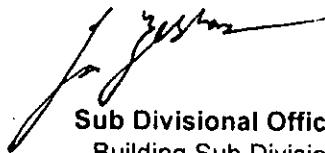
S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	Cost of Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge (b) 2.5mm thick	1	No				
	Total:	1	No	1490.00	Each	Rs.	1490
TOTAL						Rs.	1490
	Add 20% Contractor Profit					Rs.	298
TOTAL						Rs.	1788
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							


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

Rate of Analysis for 4'x8' = 32 Sft					
S. No.	Description	Quantity	Rate	Unit	Amount
(A)	Material				
1	U-PVC Door with Chowkat with fittings and locking arrangements	32 Sft			
	Add 5% Wastage	2 Sft			
		34 Sft	1900	P. Sft	64600
2	Fixing Charges	1 Job	1000	Each	1000
3	Carriage from market to site of work			L.S.	1500
				Total: -	67100
				Add 20% Contractor Profit: -	13420
				Total (A): -	80520
				Rate P. Sft: -	2516.3
				Say: -	2500


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Analysis of rates

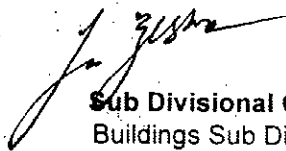
P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.


S.No.	Description	Quantity	Rate	Unit	Amount
-------	-------------	----------	------	------	--------

Material.

1	Cost Stainless steel corner beading angle 2"x2"x1/16" with imported double tape fixed i/c cutting fixing complete i/c labour complete	1.00	Rft	540	P.Rft 540
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Total	540
Add 20% contractor profit	108
Total "A"	648
Say Rs.	640

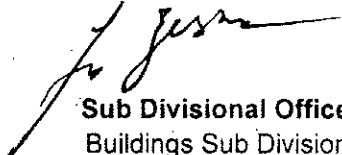

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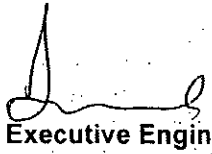

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RATE ANALYSIS FOR PROVIDING AND LAYING OF NATURAL STONE TILE GOLDEN COLOUR 4"x2" SIZE WITH LAZER CUTTER HAVING RECTANGLE SHAPE 3/8 TO 1/2" THICK LAID IN CLASSICAL PATTERN BY PROVIDING 3/8" WIDE GROOVE ON HORIZONTALLY AND VERTICALLY LAID WITH CEMENT SAND MORTOR 1:3 I/C FILLING JOINTS WITH PIGMENT AS DIRECTED BY THE ENGINEER INCHARGE.

Unit: P.Sft
Area: 100 Sft

S.#	Detail of Material	UNIT RATE P.Sft			AMOUNT	
		Quantity	Rate Per Unit (Rs.)			
A	Material					
1	Stone Tile Golden 1'x2'	105	Sft			
	Total:	105	170.00	P.Sft	Rs.	17850
2	Grey Cement (Item No.06.008 P-1)	2.16	Cft			
	Total:	2.16	700.00	P.Bag	Rs.	1512
3	Pigment (Item No.10.015 P-5)	0.45	Kg			
	Total:	0.45	80.00	P.Kg	Rs.	36
4	Sand (Item No.06.007 P-1)	5.2	Cft			
	Total:	5.2	14.00	P.Cft	Rs.	73
4	Scaffolding charges	50	Sft			
	Total:	50	12.00	P.Sft	Rs.	600
TOTAL						20071
	Add Contractor's Profit 20%					4014
TOTAL A						24085
B)	LABOUR					
i	Mason (Item No. L.B 040 P-1)	2.5	Nos	950	P.Day	2375
ii	Skilled Coolies (Item No. L.B 015 P-1)	5	Nos	725	P.Day	3625
iii	Bahishti (Item No. L.B 017 P-1)	0.5	No	750	P.Day	375
TOTAL						6375
	Add 10% Sundaries					638
TOTAL						7013
	Add Contractor's Profit 20%					1403
TOTAL B						8415
TOTAL A+B						32500
			Rate P.Sft			325.00
			Say Rs.			300.00
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK						

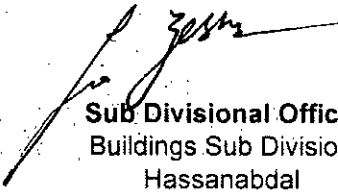

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ANALYSIS OF THE RATE FOR P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as aper instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc..

Area: 10x10= 100 Sft
Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	P/F Led Lining Sheet 1.5 mm thick	1	No				
	Total:	1	No	850.00	Each	Rs.	850
TOTAL						Rs.	850
Add 20% Contractor Profit						Rs.	170
TOTAL						Rs.	1020
Say:						Rs.	1020
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							



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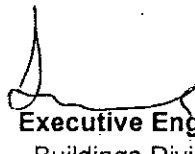

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**ANALYSIS OF RATE FOR S/E OF SMD LIGHT PHILIPS (16 WATT) OF
APPROVED MANUFACTURER COMPLETE IN ALL RESPECT AS
APPROVED & DIRECTED BY THE ENGINEER INCHARGE.**

Unit: Each

S.#	Detail of Material	UNIT RATE P.St				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
A)	MATERIAL						
1	Cost of SMD Light 16 Watt.	1.00	No.	1300	Each	Rs.	1300
	TOTAL (A)					Rs.	1300
B)	LABOUR						
i	Electrician Charges (10 Nos One day)	0.1	Day	1250	P.Day	Rs.	125
ii	Scaffolding L/S	1		60	Each	Rs.	60
iii	Carriage Charges.	1		30	Each	Rs.	30
	TOTAL (B)					Rs.	215
	TOTAL (A+B)					Rs.	1515
	Add 20% contractor profit.					Rs.	303
	G.TOTAL					Rs.	1818
					Say	Rs.	1800
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							

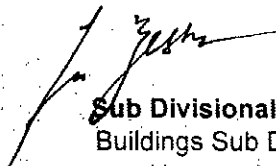

Sub Divisional Officer,
Buildings Sub Division,
Hassanabdal


Executive Engineer
Buildings Division,
Attock

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

Area: 10x10= 100 Sft
Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness i/c labour	1	No				
Total:		1	No	430.00	Each	Rs.	430
TOTAL						Rs.	430
Add 20% Contractor Profit						Rs.	86
TOTAL						Rs.	516
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							


Sub Divisional Officer
Buildings Sub Division
Hassanabdal


Executive Engineer
Building Division
Attock

ANALYSIS OF RATE FOR DOUBLE JALI

Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge

Detail		Unit Rate (British System) Per Sft		
		Qty	Rate Per Unit	Amount (Rs.)
Analysis for (8 x 7.5) = 60 Sft				
MATERIAL				
i) Angle iron 1-1/2"x1-1/2"x3/16" (item no 12.019)				
2	x	8	=	16.00 Rft
2	x	7.44	=	14.88 Rft
3	x	8.00	=	24.00 Rft
3	x	7.44	=	22.32 Rft
			Total	77.20 Rft
Wastage 5%			(+)	3.86 Rft
			Total	81.06 Rft
	@	1.79 Lbs/Rft	=	145.10 Lbs
ii) M.S flat Patti 1"x1/8"				
5	x	7.44	=	37.20 Rft
Wastage 5%			(+)	1.86 Rft
			Total	39.06 Rft
	@	0.425 Lbs/Rft	=	16.60 Lbs
			G. Total	161.70 Lbs
			Total	73.36565 Kg
		73.37 Kg	223.33 Per Kg	16384.75
iii) Expanded Metal				
1	x	8 x 7.5	=	60.00 Sft
Wastage 5%			(+)	3.00 Sft
			Total	63.00 Sft
		63.00 Sft	45.00 Per Sft	2835.00
iv) Wire Gauze (12 x 12)				
1	x	8 x 7.5	=	60.00 Sft
Wastage 5%			(+)	3.00 Sft
			Total	63.00 Sft
		63.00 Sft	55.00 Per Sft	3465.00
v) welding rod and electric charges				
		1.00 Bndl	900.00 Bndl	900.00
vi) P.C.C 1: 2: 4				
8	x	0.75 x 0.75	=	4.50 Cft
Rate as per item 5 (f) Chap-6				
		4.50 Cft	36753.30 Per%Cft	1653.90
vii) Painting new surface (Guard bars)				
(Three coats)				
0.6	x	8 x 7.50	=	36.00 Sft
Rate as per item 5(d) Chap No.13				
		36.00 Sft	1805.25 Per %Sft	649.89
Total				25888.54
Contractor profit & overhead except item No.vi & vii		20 percent		4716.95
Total				30605.49
LABOUR for 60 Sft				
i) P.C.C 1: 2: 4				
as per item (vi) above				
Rate as per item 5 (f) Chap-6				
		4.50 Cft	10036.50 Per%Cft	451.64
ii) Painting new surface (Guard bars)				
(Three coats)				
as per item (vi) above				
Rate as per item 5(d) Chap No.13				
		36.00 Sft	908.65 Per %Sft	327.11
iii) Blacksmith				
		1.00 Nos	1250.00 PerDay	1250.00
iv) Mason (LB-040, P-1)				
		1.00 Nos.	1250.00 Per Day	1250.00

v) Coolies unskilled (LB-015, P-1)

Total		
Sundries except item No.i & ii	10	percent
Total		
Contractor profit & overhead except item No.i & ii	20	percent
Total		

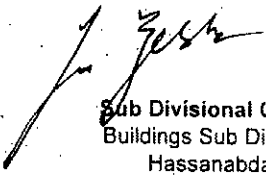
1.00 Nos.	962.00	Per Day	962.00
			4240.76
			346.20
			4586.96
			761.64
			5348.60


ITEM RATES

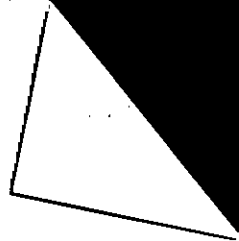
Labour rate per Sft
Labour rate per Sq.m

Composite rate per Sft
Composite rate per Sq.m

Rs.	89.14	Say	89.15
Rs.	959.18	Say	959.20
Rs.	599.23	Say	599.00
Rs.	6447.77	Say	6447.75


Sub Divisional Officer
Buildings Sub Division
Hassanabdal


Executive Engineer
Building Division
Attock



,



Ref: MS/Q-003-4815-lsb

Date: 04-08-2022

QUOTATION

Attn: **Mr. Zeeshan**
T H Q HOSPITAL
Hassanabdal

GST NO 07-02-8424-010-19
NTN NO. 1762110-7

Reference to the Telephonic Conversation with you we are pleased to offer the the best rates of *Fire Alarm Sytem* System as follows

S.No	Description	Unit	Unit Price	Qty	Total Price
1	FIRE ALARM CONTROL PANEL With Batter Backup Type : Conventional Make : C.Tech/Contect Plus UK Capacity : 16-Zone	Nos	250000.00	2	500000.00
2	FIRE ALARM CONTROL PANEL With Batter Backup Type : Conventional Make : C.Tech/Contect Plus UK Capacity : 04-Zone	Nos	48000.00	1	48000.00
3	Smoke Detector	Nos	4200.00	650	2730000.00
4	Sounder Flasher	Nos	5500.00	26	143000.00
5	Call Point Break Glass Type	Nos	3500.00	26	91000.00
6	Installation Charges for the above Installation & wiring of Fire Alarm System, wired with 1.5 mm PVC Insulated cables in 20mm (D/A) PVC Channel, complete with all Accessories including, Testing Training & commissioning	Nos	3200.00	736	2355200.00
7	TESTING & COMMISSIONING FIRE ALARM SYSTEM	JOB	50000.00	1	50000.00
Total Amount					5917200.00
GST 17%					1005924.00
Grand Total					6923124.00

TERMS AND CONDITIONS

Validity : 10 - Days
Payment : 50% Advance
40% Equipment Delivery
10% After Testing Commissioning
Warranty : 12-Months

FOR MINHAS SAFETY CONCERNS

ABDUL MUNIM

General Manager
Voice: +92 51 2104157
Fax: +92 51 2104235
Cell: +92 321 5555102
Email: lsb@minhasfiresafe.com
Web: www.minhasfiresafe.com

Executive Engineer
Buildings Division
ATTOCK

PERFECT ELEKTRO MEK
PAKISTAN (PVT.) LIMITED

PEMPAK

Plot No 4, Adj. ATS Lane, Kacha Industrial Estate,
4-Km Kahna Kacha Road, Lahore - Pakistan.
UAN: +92-42-111-736725 (111-PEMPAK)
Ph: +92-42-3597-8060-63
E-mail: info@pempak.com http://www.pempak.com

Ref.: D/FM/446523/14059
September 2nd, 2022.

Messer,
The Executive Engineer.
Building Division (PWD)
Attock-Pakistan.

Subject: **QUOTATION FOR LOW VOLTAGE SWITCHGEAR.**
Project: Revamping of THQ Hospital Hassanabdal

Dear Sir,

Thank you very much for your subject inquiry. We have gone through your requirement & specification and are pleased to submit our most competitive and comprehensive offer accordingly as under.

This Covering Letter.
Schedule of Prices.

The summary of our offer is as under.

Sr.	Description	Amount
01	Low Voltage Switchgear (As Per Given Schedule).	22,930,500.00
Total Amount of Offer (Excluding GST):		Pak Rs. 22,930,500.00
47% Add GST:		Pak Rs. 3,898,185.00
Net Amount of Offer (Including GST):		Pak Rs. 26,828,685.00
Pak Rupees: Twenty Six Million Eight Hundred Twenty Eight Thousand Six Hundred Eighty Five Only		

This offer is based on the following Terms and conditions:

- The prices Ex-works duly Packed for inland transportation.
- Payment will be 50% advance, balance after final inspection to your entire satisfaction against delivery at our floor.
- The completion period will be 8-10 weeks after the technically and financially confirmed order.
- The equipment will be under complete Guarantee/Warranty for the period of one year.
- The prices are valid for 30 days afterwards subject to the reconfirmation.
- The components offered are subject to the availability otherwise approved equivalent.
- The standard and latest amended Force Majeure clause will be fully applicable throughout the contract.
- The offer is based on the present duties/Taxes structure. Any change will be charged at actual.

It may be your interest that the equipment being offered is with total quality control features for trouble free and long life field performance equipped with field tested components backed by the quality of commitment, the real essence of PEMPAK.

We are confident that the offer will meet your requirement and your valued order will be placed on us. Please feel free to contact us for any further information on the subject. We will be pleased to come up to your convenience.

Thanking you in Anticipation.

Perfectly yours,

Engr. Muhammad Arshad
Sr. Sales Engineer
0345-400-9982

Executive Engineer
Building Division
Attock

Engr. Ahmed Fawad
Manager Marketing
0345-400-9981

PEMPAK

Quotation for L.V Switchgear.

M/s: The Executive Engineer

Ref. D/FM/446523/14059 dated: 02-09-22

SCHEDULE OF PRICES FOR LOW VOLTAGE SWITCHGEAR

Project: Revamping of THQ Hospital Hassanabdal

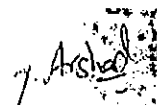
PRICES:

Sr.	Description	Qty.	Rate	Amount
L.V SWITCHGEAR				
01	Synchronization PANEL	01 Set.	4,851,500.00	4,851,500.00
02	1250A MSB-1 & 2 with SPD (IP-64):	02 Sets.	940,000.00	1,880,000.00
04	1250A LT PANEL:	01 Set.	11,335,000.00	11,335,000.00
05	200KVAR PFI PLANT:	02 Sets.	1,081,000.0	2,162,000.0
06	S.M.P.B-Emergency+Normal (OT)	01 Set.	617,500.00	617,500.00
07	S.M.P.B-Normal (Wards)	01 Set.	427,500.00	427,500.00
08	S.M.P.B-Normal (OPD)	01 Set.	450,000.00	450,000.00
09	DBs-Emergency+Normal (OT)	03 Sets.	159,500.00	478,500.00
10	DBs-Normal (Wards)	03 Sets.	121,500.00	364,500.00
11	DBs-Normal (OPD)	03 Sets.	121,500.00	364,000.00

2635000

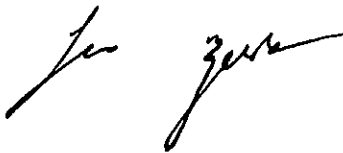
Total Amount of Offer All Equipment (Excluding GST):	Pak Rs.	22,990,500.00
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9379000


Engr. Muhammad Arshad
Sr. Sales Engineer
0345-400-9982


Executive Engineer
Buildings Division
ATTOCK


Engr. Ahmed Fawad
Manager Marketing
0345-400-9981



THE SOLUTION TO YOUR SPACES

MarFlex
PLASTIC INDUSTRY

Quotation

Project: THQ Hospital

Date: 2-07-2022

Sl. No.	Product Specifications	Unit of Measurement	Unit Price	Quantity	Total Amount
1	Marflex Pvc Antibacterial Wall Cladding Approved by (BIOCODE UK) Back stature GI Frame 18G 12mm Gypsum board will be fixed on brick wall to apply 2 mm thick anti microbial wall Overall 14 to 16 mm thickness. Joints will be heat welded in same color. wall sheet	sqft	1490		
2	Lead Sheet Paneling In theater Size: 8x4 Thickness: 1.5mm With labour	sqft	850		
3	Marflex Antibacterial Antistatic flooring with copper mesh jointless Welding Same colour Thickness : 2mm With Labour	sqft	430		
Total Amount					

Sub Divisional Officer
Buildings Sub Division
Murree

Executive Engineer
Buildings Division No.1
Rawalpindi

Executive Engineer
Buildings Division
ATTOCK

CS CamScanner

Scanned with CamScanner

Executive Engineer
Buildings Division
ATTOCK

Executive Engineer
Buildings Division No.1
Hawalindi

Sub Divisional Engineer
Buildings Division
Hawalindi

For any enquiry, reach out via email at projects@themarflexgroup.com or call on +92 3214431189

Partner

MARFLEX PLASTIC INDUSTRY

Shahid Malik
Director Sales &
Marketing
03214431189

- 1) Applicable Taxes will be extra.
- 2) Work will resume after advance payment.
- 3) Payments terms will be 70% advance, 20% on material delivery and 10% on site complete.
- 4) Goods once ordered cannot be changed.
- 5) Material delivery 5-7 days.
- 6) Transportation and labor accommodation will be on customer end.
- 7) 5% wastage will be on customer end.
- 8) Floor even Requires
- 9) This quotation is only valid for 15 days.

Terms & Conditions

WCSP 2022

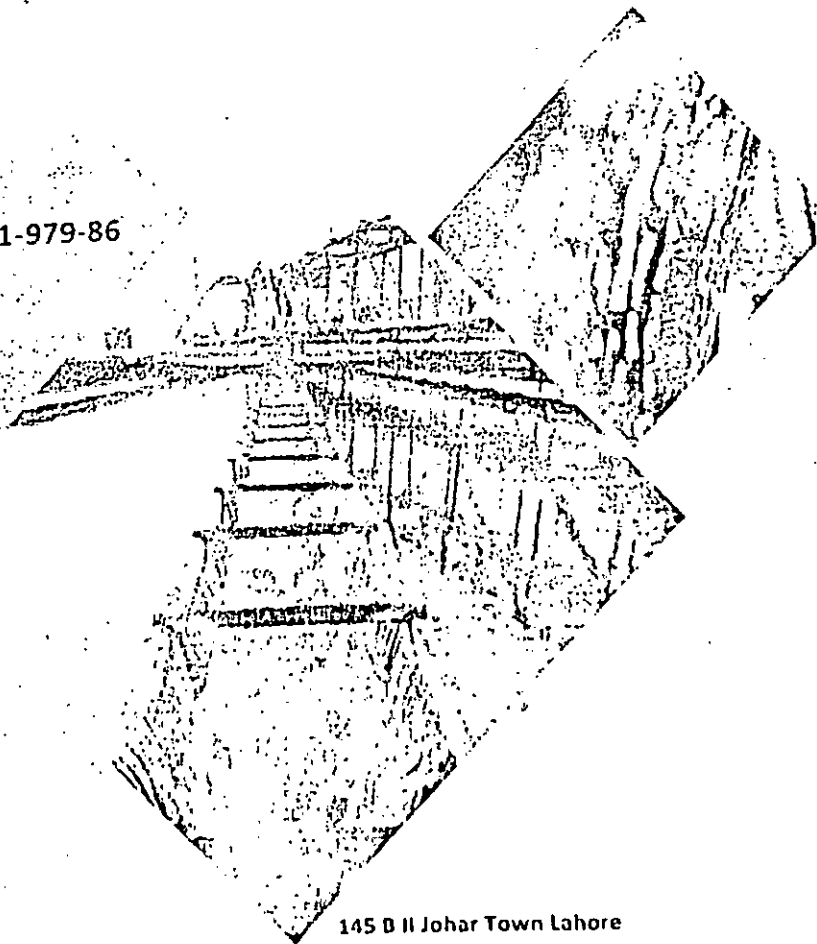
WATER CARE SERVICES PAKISTAN (WCSP)



Quotation Document

Sales Tax: Reg# 32-77-8761-979-86

NTN# 3019442-3



145 D II Johar Town Lahore

www.watercareservices.org

1



To: Mr. Zeeshan

Project Title: 2 m3/hr. RO

Proposal No: WCSP/RO/Q-2022-08

Model ID: RO-2 m3/hr.

REV No: 00

Location: Institute Of Urology and Transplantation

Client Id: CNW

Date: 16-08-2022

Submitted by: Abdul A. Khurram

(03214105491)

I Contents		WCSP 2022
Introduction.....		
Scope of Work		
P&ID and PFD.....		
Design Basic		
Electro-Mechanical Equipment's		
Commercial		
Payment Terms.....		
Tasks at Client End		
Warranty/ Guarantee		
Warranty Details		
Additional Benefits		
Business Terms Agreement		

Introduction

Water Care Services Pakistan (WCSP) was established in 2007. We are a total water management company, with a rich talent of water treatment, innovative environmental management and wastewater treatment system. WCSP claims of A Total Water Management Company which makes it distinguished and a single source of Industrial Water management with international credibility. WCSP holds national & International memberships and accreditations. We are specialized in Total Water Management comprising of project management, designing, fabrication of equipment, installations, erection and commissioning. Our focus is to execute projects on turnkey basis. Our scope of services in Total Water Management (TWM) is Boiler water, Cooling Water, RO water plants, Effluents, special water treatment chemicals, chemical free water treatment and quality assurance water testing kits and programs. We have more than 150 industrial clients spread in the region. We evolve & develop water and environmental management systems. WCSP owns an R & D lab, where we develop solutions as per industrial requirements, so we optimize and evolve technology. Water is our passion, and we take it as a noble cause. We have qualified staff, including engineers, chemist, environmentalist & fabricators. Our team dedicatedly work for water & environmental challenges, and provide with an energy efficient, economical and relevant solution.

Our extended strength are our international consultants, patents subscriptions and research blogs. Our objective is to develop and run the system trouble free, uninterruptible & long-life. For more details please logon to www.watercareservices.org

www.watercareservices.org

Scope of Work

It includes the designing, fabrication, & installation of 2 m³/hr. water treatment Plant. It will provide 2 m³/hr. RO base equipment, which will take water at 60 PSI pump. Water passes through chlorination, sand filter, activated carbon filter, cartridge filters of 5 micron. Treated water from 5-micron filter bank is fed to skid mounted Reverse Osmosis process through high pressure pumps to eliminate all dissolved salts. After the RO system, passes through the UV and then directly used. RO based system with Gauges & controls will facilitate the operator to run & monitor system smoothly. From RO membranes, the amount of TDS reduces.

Sand filter gets clogged when it removes impurities from raw water, so when pressure difference drops to a certain value it will automatically run the backwash and will clean the filter. Backwash is usually done for 15 min.

Our system also includes dosing of anti-scaling chemicals, these chemicals will reduce the formation of scale in pipes as well as on membranes and will improve the life of the system.

The technology is environment friendly & reduces your chemical cost. Many references are available throughout Pakistan.

P&ID and PED

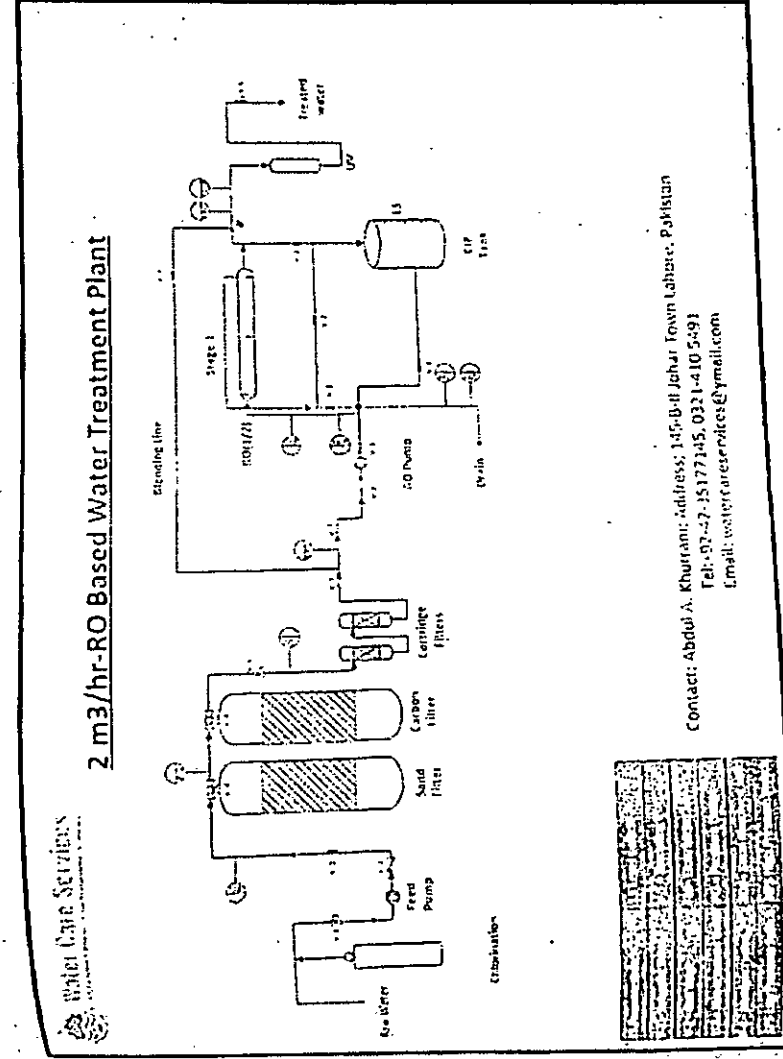
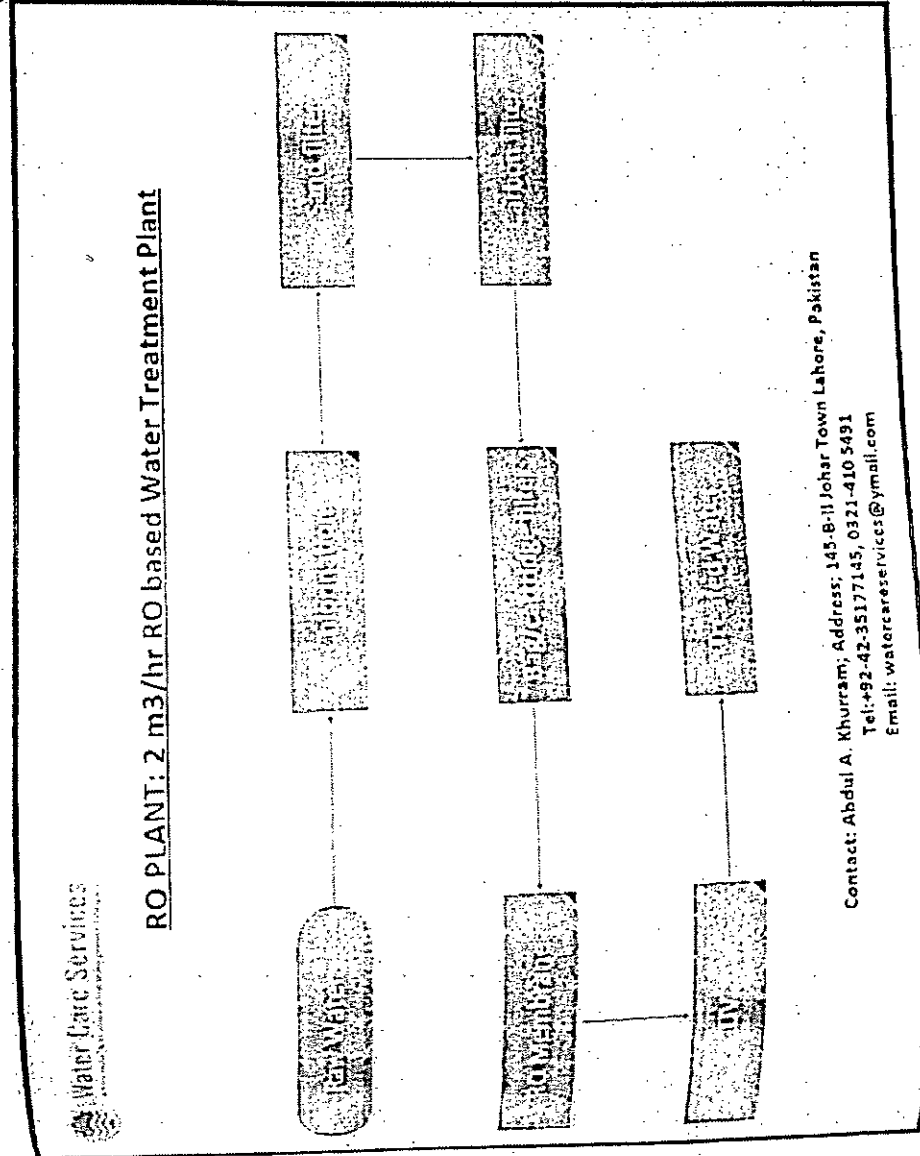


Figure 1: P&ID for RO



www.watercareservices.com

Design Basic

Sr. No.	Parameter	Unit	Value
1	Feed Flow	m3/Hr.	4
2	Inlet TDS	mg/l	500
3	Final TDS	mg/l	<20
5	Product Flow	m3/hr.	2

PLANT DESIGN BASIC

Plant is designed on the basis of special software & advanced engineering calculations. Design will also be wet from third party before going to start fabrications.

Electro-Mechanical Equipment's

Details				
Sr. No	Description	QTY	Make/model	Specifications
1	Skid Structure	1	WCSP	MS with enamel coating
2	Chlorine Dosing Station	1	Etatron	5 - 7 Liter/h , 7 bar, 80 L
3	Feed water pump	1	CNP	4 m ³ /hr, 60 psi
4	Sand Filter	1	Pentair/Equivalent	16" x 65", Multi grade sand, Manual, FRP
5	Activated Carbon Filter	1	Pentair/Equivalent	16" x 65", Activated Carbon, Manual, FRP
6	Cartridge Filter 5 Micron	2	China/Taiwan	5 Micron, 4" x 20"
7	RO High pressure pump	1	CNP	4 m ³ /hr, (200 psi), 3 phase
8	RO membrane	2	DOW / Equivalent	8"x40" TFC, Brackish
9	Pressure vessels	2	KDI	300 psi, no of membrane elements per shell: 1
10	Flow Meter	2	SHLUD	As required
11	TDS Meter	1	CREATE	0-2000 ppm
12	Pressure Gauge	4	Truteller	0 - 250 Psi.
13	High Pressure Switch	1	Danfoss	0 - 200 psi
14	Low Pressure Switch	1	Danfoss	0 - 110 psi
15	High Pressure Throttle valve	1		1", stainless steel
16	Antiscallant Dosing System	1	Etatron	5 - 7 Liter/h , 7 bar, 80 L
17	Solenoid Valves	3		1"
18	Electrical Panel	1		<ul style="list-style-type: none"> • Panel Box • Magnetic Connector with Overload • Emergency Stop Switch
19	Pressure Pipes and Fitting		Dadex/ Equivalent	All pipes and fittings will be of uPVC
20	Raw & Product Water Tank	2	Life/ Equivalent	HDPE 500 Gallon
21	UV Lamp	1	Philips / Equivalent	SS, 55 W, 55 W
22	CHP System	1		Manual ports with 80 L Tank

www.waterandpower.com

Commercial

RO System Price	Rs. 1,235,000/-
Installation	Inclusive
Water Distribution Header	Rs. 18,500/-

Total = 12,53,500

Add 17% GST = 213,095

Total 14,66,595

Additional:

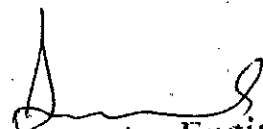
Add 11% Cont. Profit = 1,61,325

G. Total = 16,27,920 /-

- GST (17%) is not added in above quotation.
- Freight to shift equipment at client side
- Room/Shed from weather protection will be at client side
- Boarding and lodging at client side
- Final sample charges from third lab will be client responsibility
- In pipe and fittings our quote price is contains on 10ft pipe over the specific quantity of joints and pipe will be charged separately.
- Price Validity: 01 Week

Payment Terms:

- 60% advance payment
- 30% before installation
- 10% after installation


Executive Engineer
Buildings Division
ATTOCK

www.water-services.org

10

WCSP 2022

Tasks at Client End

1. Three Phase Electricity availability
2. Alternate energy arrangement
3. Electric earthing of equipment
4. Liaison & cooperation with our technical team
5. Fee payment for sample analysis time to time from some laboratories

Warranty/ Guarantee

Limited warranty is available on the operation of the system. Electrical parts are not under warranty.

Warranty Details

1. Warranty includes workmanship
2. No leakage
3. Pumps performance
4. System performance

Additional Benefits

- System developers, for details logon to www.watercareservices.org
- Strong Backup
- Company owns Lab for quality assurance
- Versatile disciplinary technical expertise
- Proactive
- Economical & quality conscious
- Low operation & maintenance cost
- Advance level documentation
- Training

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010044
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:LO22010044
A/C To be Credited:Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

8. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	37.000	17.669	2.762	2.694	4.892	8.082	73.099
Utilization	13.689	17.418	2.687	2.464	4.797	1.329	42.385

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.

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

undefined

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

The Targets of Sustainable Development Goals (SDGs) will be achieved

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government

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.

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

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:

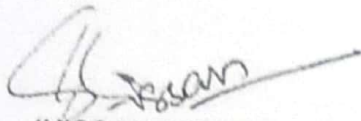
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15. It is certified that the project titled "Revamping of THQ Hospital Hassan Abdal (3rd Revised)" has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

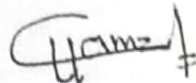
Prepared By:



(HISSAN ANEES)
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(Oct-2022)

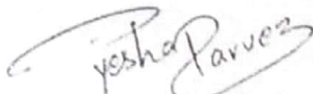


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