



PC-1

Revamping of THQ Hospital, Pindi Gheb District Attock

ORIGINAL APPROVED COST	PKR Million. 398.985/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Pindi Gheb District Attock

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. ATTOCK

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: 5292
4	Total Allocation: 0.000
5	Funds Diverted: 0.000
6	Balance Funds: 0.000
7	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

5.4.5 Security

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

5.6 HR & Management Interventions Structure

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

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eligibility 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

Eligibility 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 Pindi Gheb District Attock is more than 0.478 million. The area of the THQ Hospital Pindi Gheb District Attock is 366,503 SFT land.

6.1 Description and Justification

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

Revamping of THQ Pindi Gheb 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. 163.123 million to Rs. 110.341 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:LO17011169
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	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

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010075
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	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
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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.

Abstract of Cost

Name of THQ Hospital	THQ PINDI GHEB											
	Original			1st Revised			2nd Revised			3rd Revised		
Scope of work	Cost in million											
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal development	0.000	27.013	27.013	0.000	27.013	27.013	145.475	10.000	155.475	87.330	10.000	97.330
External development	0.000	1.981	1.981	0.000	1.981	1.981	12.718	0.000	12.718	23.011	0.000	23.011
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	4.930	0.000	4.930	0.000	0.000	0.000
Total Capital Component	0.000	34.594	34.594	0.000	34.594	34.594	163.123	10.000	173.123	110.341	10.000	120.341
Revenue component												
Emergency	0.000	21.705	21.705	0.000	21.705	21.705	0.000	29.661	29.661	0.000	40.349	40.349
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.230	13.230
Med. Machinery and Equipment	0.000	72.624	72.624	0.000	72.624	72.624	0.000	99.213	99.213	0.000	112.814	112.814
Electricity	0.000	12.500	12.500	0.000	12.500	12.500	0.000	12.500	12.500	0.000	21.207	21.207
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	11.520	11.520
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	34.860	34.860	0.000	49.168	49.168
LC Deficit during procurement (currency fluctuation)								3.941	3.941		3.941	3.941
Total Revenue component	0.000	165.616	165.616	0.000	165.616	165.616	0.000	226.342	226.342	0.000	278.644	278.644
Outsourcing component												
Janitorial Services	0.000	16.012	16.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	6.974	6.974	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	4.200	4.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.020	2.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	4.686	4.686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	5.370	5.370	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	0.000	47.310	47.310	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.000	247.520	247.520	0.000	200.210	200.210	163.123	236.342	399.465	110.341	288.644	398.985
Contingency (1% only on Civil Component)	0.000	0.346	0.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	0.000	2.475	2.475	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Validation (TPV) (1%)	0.000	2.475	2.475	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	0.000	252.816	252.816	0.000	200.210	200.210	163.123	236.342	399.465	110.341	288.644	398.985

Emergency Equipment

Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)
				(T=5+S=0+E=6)			(T=5+S=0+E=6)			(T=5+S=0+E=6)			(T=5+S=0+E=6)		
1	Reception Area	Table	0	0	99,750	-	0	99,750	-	0	99,750	-	0	99,750	-
2		Chairs	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	5	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	5	15,750	78,750	5	15,750	78,750	5	30,000	150,000	5	30,000	150,000
7		Gurney WITH FOOT STEP)*(N)	3	5	420,000	2,100,000	5	420,000	2,100,000	5	460,000	2,300,000	5	460,000	2,300,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paed's & adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	8,200	32,800
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	180,000	360,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	400,000	800,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	2	2	1,417,500	2,835,000	2	1,417,500	2,835,000	2	2,000,000	4,000,000	2	2,000,000	4,000,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	3,000,000	3,000,000
20		Sucker machine	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	500,000	500,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	800,000	800,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	550,000	550,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28		GURNEYS*N	0	0	420,000	-	0	420,000	-	0	460,000	-	0	460,000	-
29		Sucker machine *(N)	0	0	259,350	-	0	259,350	-	0	275,000	-	0	300,000	-
30	Constant / specialized care room	Nebulizer HD*(N)	0	0	125,265	-	0	125,265	-	0	215,000	-	0	300,000	-
31		Center Oxygen supply*N	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
32		Resuscitation Trolley (fully equipped))*(N)	0	0	237,618	-	0	237,618	-	0	400,000	-	0	400,000	-
33		Defibrillator*N	0	0	302,605	-	0	302,605	-	0	650,000	-	0	800,000	-
34		Pulse- oximeter*(N)	0	0	104,000	-	0	104,000	-	0	160,000	-	0	160,000	-
35		Bedside-monitor*(N)	0	0	301,665	-	0	301,665	-	0	550,000	-	0	1,200,000	-
36		ECG MACHINE)*(N)	0	0	169,785	-	0	169,785	-	0	169,785	-	0	169,785	-
37		BP APPARATUS*N	0	0	15,750	-	0	15,750	-	0	16,000	-	0	16,000	-
38		FOOT STEP)*(N)	0	0	3,150	-	0	3,150	-	0	4,000	-	0	5,500	-
39		ATTANDANT BENCH)*(N)	0	0	5,250	-	0	5,250	-	0	8,000	-	0	10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps) *(N)	7	6	210,000	1,260,000	6	210,000	1,260,000	6	400,000	2,400,000	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	160,000	960,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	400,000	400,000

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49		Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51	Generalized	ambo bag paed with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				21,704,545			21,704,545			29,661,235			40,348,785
						21.705			21.705			29.661			40.349

MSDS

Sr. No.	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
		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	400,000	-
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	175,000	175,000
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	30,900	123,600
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	8,300	41,500
44	Smoke Detectors	10	7,350	73,500	10	7,350	73,500	10	8,500	85,000	10	8,500	85,000
45	Heat Detector	5	8,400	42,000	5	8,400	42,000	5	10,000	50,000	5	10,000	50,000
46	Gas Detector	5	6,300	31,500	5	6,300	31,500	5	7,500	37,500	5	7,500	37,500
47	Fire Blankets	10	2,783	27,825	10	2,783	27,825	10	3,200	32,000	10	3,200	32,000
48	Fire Alarms	10	5,250	52,500	10	5,250	52,500	10	6,500	65,000	10	6,500	65,000
49	Identification Bands	100	3	315	100	3	315	100	3	300	100	3	300
50	Wet Flooring Signages	0	431	-	0	431	-	0	550	-	0	750	-
51	Key Box	6	8,190	49,140	6	8,190	49,140	6	10,000	60,000	6	7,800	46,800
52	Dehumidifier	0	58,800	-	0	58,800	-	0	70,000	-	0	100,000	-

MSDS

Sr. No.	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
		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)
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400	4	1,500	6,000
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	0	630,000	-	0	630,000	-	0	630,000	-	0	630,000	-
57	Automatic shoe cover machine	2	296,100	592,200	2	296,100	592,200	2	332,500	665,000	2	332,500	665,000
58	Vein Finder	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000
59	Blood Sample Vials (BOXES)	3	13	38	3	13	38	3	15	45	3	15	45
60	Bassinets	5	21,000	105,000	5	21,000	105,000	5	22,000	110,000	5	22,000	110,000
61	Chemical Spill Cleanup kit	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000
62	Digital Tempurature Humidity Guage	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000
63	Bio Cleaning and Disinfection System	1	650,000	650,000	1	650,000	650,000	1	650,000	650,000	1	2,200,000	2,200,000
	Total			8,647,094			8,647,094			9,653,822			13,230,242
				8.647			8.647			9.654			13.230

Medical Equipment

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

Medical Equipment

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

Medical Equipment

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114		Shortwave diathermy	1	0	1	844,562	844,562	0	1	844,562	844,562	0	1	1,500,000	1,500,000	0	1	1,500,000	1,500,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unit	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000
120		C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121	Physiotherapy unit	Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122		Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	950,000	950,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trolleys	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	Beds	Fowler beds with Mattress	100	0	100	70,000	7,000,000	0	100	70,000	7,000,000	0	100	110,000	11,000,000	0	100	66,800	6,680,000
		Total					72,623,875				72,623,875				99,212,691				112,814,369
							72.624				72.624				99.213				112.814

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)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	1	9,000,000	9,000,000
4	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,268,000	2,268,000
5	2 Ton air conditioners (split)	17	55,500	943,500	17	55,500	943,500	17	55,500	943,500	17	55,500	943,500
6	2 Ton air conditioners (Cabinet)	25	78,000	1,950,000	25	78,000	1,950,000	25	78,000	1,950,000	25	73,779	1,844,475
7	4 Ton air conditioners (Cabinet)	5	120,000	600,000	5	120,000	600,000	5	120,000	600,000	5	113,949	569,745
8	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	2,655	132,750
10	Bracket Fans 18"	120	3,280	393,600	120	3,280	393,600	120	3,280	393,600	120	2,425	291,000
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			12,499,600			12,499,600			12,499,600			21,207,470
				12,500			12,500			12,500			21,207

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	25800	1,548,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	25800	258,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	41786	334,288
4	Doctors rooms Furniture	30	70,000	2,100,000	30	70,000	2,100,000	30	70,000	2,100,000	30	59448	1,783,440
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	17,800	178,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	150	900,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000
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	160,000	320,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	78300	391,500
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	33978	169,890
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	34786	173,930
18	Washing machines for pantries	3	13,000	39,000	3	13,000	39,000	3	13,000	39,000	3	9967	29,901
19	Gas Burner for pantries	10	4,800	48,000	10	4,800	48,000	10	4,800	48,000	10	4600	46,000
20	Fire Extinguishers DCP	30	4,800	144,000	30	4,800	144,000	30	4,800	144,000	30	4676	140,280
21	LED TV	15	55,000	825,000	15	55,000	825,000	15	55,000	825,000	15	45977	689,655
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	48200	241,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	2195	8,780
	Laundry & Washing												
24	Bed Sheets and pillow covers	300	1,250	375,000	300	1,250	375,000	300	1,250	375,000	300	1097	329,100
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	4998	499,800
	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	30888	617,760
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	9360	18,720
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	39780	79,560
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	9711	194,220
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	7590	189,750
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			11,519,574
				13.504			13.504			13.504			11.520

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
47	Cater Pillar Stuffed	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

DAY CARE CENTER

Yard Stick as per Women Development Department

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

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
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			1,600,000			1,600,000			1,600,000			1,600,000
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of 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								6,720				8.69					
	Total of HR Component												34.86					49,168

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	57,223	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	8	Persons	
Road and ROW area	99,310	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	7	Persons	
Number of washroom blocks	10	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	3	Persons	
Total sweeper in morning shift	18	Persons	
Total number of sweepers in evening shift	9	Persons	
Total number of sweepers in night shift	9	Persons	
Total number of sweepers in all shifts	36	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	36	22,000	9,484,499
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)			16,012,499

16.012

16.012

Security and Parking

		Original			From 1st Revised to onward
Assumptions					<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residences	57,223				
Covered Area per guard	15,000				
Number of guards	4				
Open area excluding parking area	99,310				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	7				
Number of gates	2				
Number of guards at gates	4				
Total No of Guard	14				
Total number of all guards for second shift	7				
Lady Searcher	4				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
Type of worker	No of workers	Salary per month	Salary per Month for all Person	Salary for One year	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	7	21,525	150,675	1,808,100	
Civilian	12	21,000	252,000	3,024,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				6,974,100	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=5, Walkies Talkies=10, Base Set=1)				500,000	
Sub total				500,000	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				6,974,100	
				6.974	

Laundry Services

	Original		From 1st Revised to onward
Number of beds	100		
Type of Item	No of Beds	Per bed cost per year	Total Cost
No of Bed	100	30,000	3,000,000
Transport Charges			1,200,000
Total for laundry items			4,200,000
Total			4.200

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

Maintenance of Generator

	Original			From 1st Revised to onward
Item Name	Quantity	Cost per year	Total Cost	
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	<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>
Number of Generators (100 KVA)	-	300,000	-	
Number of Generators (50 KVA)	2	175,000	350,000	
Repairs Cost	1	350,000	350,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			2,020,000	
			2.020	

MEP

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

Medical Gases

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

1.304

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
Total Amount of Platform Construction					1,225,070	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized 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					
Sr. No.	Description	Original			From 1st Revised to onward
		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	16,793	20	335,854
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	23,030	7	161,210
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	28,788	11.25	323,859
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, Pliken, Mangifera etc.	No/s	118	1,500	177,000
b	Trees 12" pot 3'-4" - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, ficus Starlight, Melaluca, Mimusppe, Pine, Ficus Amestai, Pliken, Palms etc.	No/s	27	270	7,290
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	100	600	60,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ichora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Motiva), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Cannia, Asparagress, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontana Variegated etc.	No/s	10,468	69	722,292
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ichora Coccinea, Juniper Variegated, Carronda Dwarf, Jasmine Thal, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No/s	1,645	195	320,775
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(Davily), Duranta etc	No/s	11,180	12	134,160
1.7	PALMS				
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer.				
a	Palm 18" pot - Queen Palm, Wodyetia Biturcate, Washingtonian Palm, Biskarkia etc.	No/s	13	3,675	47,775
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No/s	18	1,800	32,400
1.8	CREEPERS				
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.				
	Creepers 12" Pot - Bougainvillea, Bonsai, Ousqualus, Bombay Creeper etc.	No/s	56	195	10,920
2	HARD LANDSCAPE				
2.1	WALK WAYS				
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mm as per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	2303	150	345,450
2.2	BENCHES				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No/s	11	14,698	161,678
2.3	DUSTBINS				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No/s	7	27,700	193,900
2.4	PLAYING EQUIPMENTS				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No/s	1	544,939	544,939
2.5	PLANTERS				
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No/s	10	3,850	38,500
2.6	WATER POINTS (injector Pump 1HP)				
		No/s	2	45,000	90,000
3	SOFT LANDSCAPE MAINTENANCE (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	57,575	7.50	431,813
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	224	550	123,200
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No/s	29	550	15,950
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No/s	54	550	29,700
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					4,543,040
PRA(16%)					726,886
Design Consultancy					100,000
Grand Total					5,369,926
					5,370

In the light of decision made during the Progress Review Meeting of Revamping of DRQ/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&SD 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.



cebznzdb@gmail.com

Office of the
CHIEF ENGINEER
Punjab Buildings Department
(North Zone) Lahore

No CEBNZ/ 1792/D, Dated 20/10/2022

To,

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

SUBJECT: ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF T.H.Q IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL PINDIGHEB DISTRICT ATTOCK"
A.D.P SCHEME NO.658 FOR THE YEAR (2022-23)

REFERENCE: Superintending Engineer, Building Circle No.1 Rawalpindi office letter No.5448/D, dated 08.10.2022.

As approved by the competent authority, the rough cost estimate for the subject scheme received through above referred communication ^{124655/110.341(M)} is sent hereby dully vetted for Rs. ~~174.728~~ (M) for favour of consideration and arranging administrative approval under proper head of account.

DA/
Copy of
vetted estimate

To PM (North) Attock

Deputy Director
For Chief Engineer
Punjab Buildings Deptt (North Zone)
Lahore

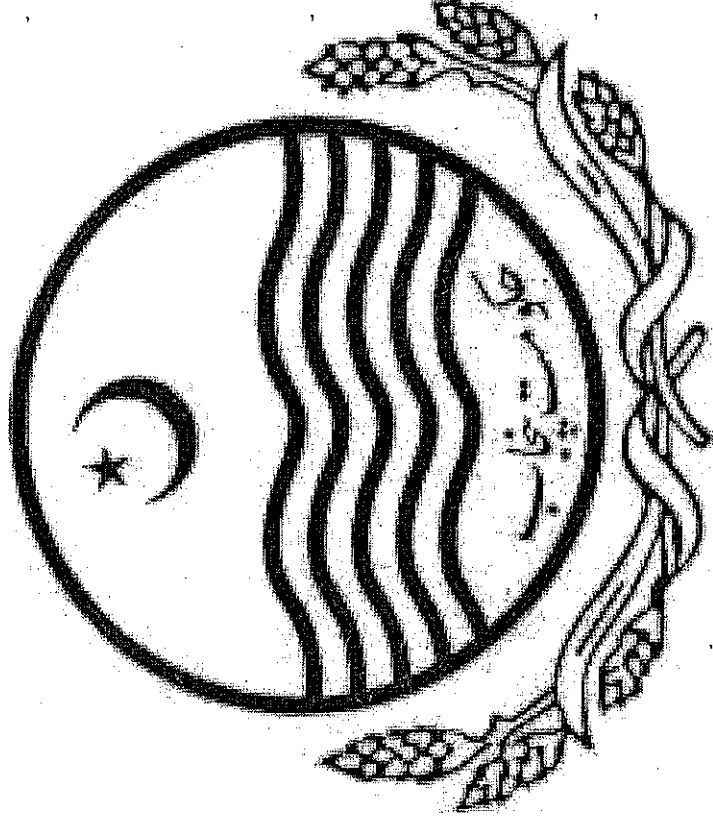
Second copy 24/10/2022

NO. & DATE EVEN

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

1. Secretary, Govt. of the Punjab Primary & Secondary Department, Lahore.
2. Commissioner Rawalpindi, Division Rawalpindi.
3. Superintending Engineer, Building Circle No.1 Rawalpindi with reference to his office letter referred as above.
4. Executive Engineer, Building Division Attock.
5. Chief Draftsman (Local).

RECEIVED	Diary No: 5644	PMU, P&SHD
	Date: 21-10-22	
		Finance & Admin
		Healthcare
		Outsourcing
		Infrastructure
		Planning & HR
		Operations
		Health
		Legal
		I & C
		SERC



NAME OF WORK

ROUGH COST ESTIMATE HAS BEEN FRAMED BY THE
EXECUTIVE ENGINEER BUILDINGS DIVISION ATTOCK
"REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT
TEHSIL HEADQUARTER HOSPITAL PINDIGHEB DISTRICT
ATTOCK FOR THE YEAR-2021-22". 2022-23

ESTIMATED COST:

~~195.459~~ Rs. ~~196.289~~ M

174.728 (M)
129.655 (M)
110.341 (M)

EXECUTIVE ENGINEER
BUILDING DIVISION, ATTOCK

EXECUTIVE ENGINEER BUILDINGS DIVISION ATTOCK

**"REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT
TEHSIL HEADQUARTER HOSPITAL PINDIGHEB DISTRICT
ATTOCK FOR THE YEAR 2021-22".**

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 transformed its secondary healthcare establishments through revamping program. Project Management Unit, Primary and Secondary Healthcare Department has requested Rough cost Estimate for the scheme Cited above. In this regard Rough cost estimate for "Revamping of All THQ Hospitals In Punjab One At Tehsil Headquarter Hospital Pindigheb District Attock for the year ²⁰²²⁻²³ ~~2021-22~~" amounting to ~~Rs. 106-289~~ ^{Rs. 124-655 (mt)} Million has been prepared and 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. Electric Panel Room.
- f. OHR 1000 Gln
- g. Gate & Gate Pillars
- h. 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.

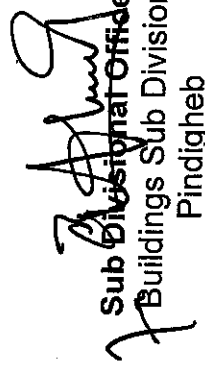
The entire specification of the Buildings Department will be adopted for the completion of the work.
RATES.

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

COST.

18 Months are required subject to availability of funds.

The total cost of the scheme comes to ~~Rs. 106-289~~ ^{Rs. 124-655 (mt)} M


Sub Divisional Officer
Buildings Sub Division
Pindigheb


Executive Engineer
Buildings Division
Attock

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY THQ Pindi Gheb 21-07-22

Indoor Wards (male+female)	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Laboratory	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	X-ray Room	Remarks
OPD Block	Full Body Porcelain tiles needs to be fixed on floor on ground floor & First Floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Operation Theatre			
cealain Floor Tile lacement					Tiles specifications, brand, size and installation specification will be as per specified C&W standards.

for 24/6/22

Medical Superintendent
THQ Hospital Pindi Gheb

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.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	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.
Doors need to be replaced with wooden doors of similar existing design.	Main entrance door of OT should be provided of Aluminium	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.
Doors need to be replaced with wooden doors of similar existing design.	Specifications, wood/type of door, handles will be as per specified C&W standards.	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.
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.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	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.

Medical Superintendent
THU Hospital Pundit Chhab

<p>Handah opening All Existing MS Corridor windows need to be provided with additional MS angle iron and double wire mesh.</p>		<p>All Existing internal MS windows need to be replaced with Aluminum Windows.</p>	<p>Wall Panelling to be removed from walls and seepage issues to be addressed rectified along with roof structure treatment.</p>	<p>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.</p>
<p>isting Internal Windows</p>		<p>All Existing internal MS windows need to be replaced with Aluminum Windows.</p>		<p>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.</p>
<p>Internal Corridors.</p>		<p>All old MS internal windows need to be replaced with Aluminum Windows.</p>		<p>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.</p>
<p>Internal Electrical including fittings</p>		<p>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</p>		<p>Model Specifications/ Brands, should be as per specified C&W Standards.</p>

Medical Superintendent
THQ Hospital Pindi Chah

Model Specifications/ Brands and distance should be as per specified C&W Standards	Vanity, wash basin, water closets, bath room accessories, the 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	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 complete repair of existing water supply and sewerage connections.	Fixtures	All corridors and rooms should fit with SMD's with concealed wiring.
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Medical Superintendent
The Hospital Fund, Ghazipur

Medical Superintendent
The Hospital, Pondicherry

[illegible]

Building Works	Fire Alarm System		Elevators		Expansion joint of building		Other item		External Electrification
	Required	Required	Required	Required	Required	Required	Required	Required	
Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Required	Required	Required	Required	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	Marble will be provided on counter top. Wooden shelves should be made under counter.	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.
Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Required	Required	Required	Required	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		
Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Required	Required	Required	Required					
Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Required	Required	Required	Required					

Medical Superintendent
THO Hospital Puzoshab

for 24/7

**CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF
HEALTH FACILITY THQ PINDI GHES**

Sr No	Description	Additional Information
1	Water Supply System	New OHWR is required.
2	Sewerage System	Not in good condition need to revamp.
3	External Pathways	Not required.
4	Boundary Wall	Not required.
5	Main Gate	Hospital staff demands to wide the gate in order to ensure smooth traffic flow.
6	Sources of Electrical Supply	
7	Transformer	
8	ATS Panel for Generators	
9	Electrical Panel Room	
10	External Wires	
11	Water Filtration Plant	RO plant is required with new water supply lines.

As Attached

[Signature]
Medical Superintendent
THQ Hospital Pindi Ghes

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

Sr. No.	Description	Plinth Area/Qty	Unit	Plinth Area Rates										Amount	Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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				Extra for Framed Structure For Each Floors	Extra For 1st Floor and Subsequen t Floors	Reduced Cost of Found-ation	Extra for Base-ment:	Extra for Strip Founda tion	Building Portion	5	6	7	8			9	10	11	12	13	14	15	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CERNZ/1188/D-92, Dated 07.07.2022 for 2nd Bi Annual Period 1st July 2022 to 31st December 2022

Sr. No.	Description	Plinth Area/Qty	Unit	Building Portion										Total Rate	Amount	Remarks			
				Building Portion	Extra for Strip Foundation	Extra for Basement	Reduced Foundation	Extra For 1st Floor and Subsequent Floors	Extra For Framed Structure For Each Floor	E.I	S.I	S.G	Plinth Area Rates						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
6	Provision of OHR 1000 Gln capacity	1	P Job	4300000	--	--	--	--	--	--	--	--	4300000	4300000	Details attached.				
7	Gate & Gate Pillars	1	P Job	927600	--	--	--	--	--	--	--	--	927600	927600	Details attached.				
8	Provision of Sewerage System	1	P Job	6598100	--	--	--	--	--	--	--	--	6598100	6598100	Details attached.				
				Total	222761870	103249871	163550285												
				Add 5% PST charges	11088093	9164799	8173514												
				Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of transformer	3000000														
				Grand Total:-	235849965	105458484	129655333												
				Rs. in Million	235.850	105.458	129.655												

Chief Engineer	129.655	174.728 (M)	110.34 (M)
Deputy Engineer			
Inspector			
Head Clerk			
Office Clerk			
Peon			
Watchman			
Electrician			
Plumber			
Painter			
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Sub Divisional Officer,
Buildings Sub Division
Pindigheb

Executive Engineer
Buildings Division,
Attock

Superintendent Engineer
Building Circle No. 1
Pindigheb

174-728 (M)
129.655 (M)
110.341 (M)

AMENDED ROUGH COST ESTIMATE "PROGRAMME FOR REVAMPING OF ALL THE HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL PINDIGHEB DISTRICT AT TACK 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	Excavation in foundation of buildings, bridges and other structures, including dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto 100 ft and lift upto 5 ft (1.5 m) in ordinary soil.	3167	%0cft	8078.4	25584	576	%0Cft	10677.75	6150	0	19434	
2	Cement concrete brick or stone ballast 1½ " to 2" 1:6:18 gauge, in foundation and plinth:-	971	%cft	12055.5	117059					0	117059	
3	Pacca brickwork 1:6 cement sand mortar in foundation and plinth.	1353	%cft	23388.75	316450					0	316450	
4	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), 1/2" thick including one coat of bitumen coating	26	%sft	5642.95	1467					0	1467	
5	Pacca brickwork 1:6 cement sand mortar in ground floor.	354	%cft	25038.75	88637					0	88637	
6	Reinforced R.C.C in roof slab beam column lintel girder and other structure 1:2:4 etc with shuttering.	1369	P.cft	402.4	550886	685	Pcft	537.5	368188	0	182698	
7	Reinforced C.C in raft slab, beam columns, lintel, girders and other structure 1:2:4, without shuttering, etc.	30	P.cft	291.35	8741					0	8741	
8	Fabrication of Mild Steel reinforcement i/c cutting bending laying in position.	4287	%kg	19996.45	857248	2099	%kg	31418.2	659468	0	197780	
9	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 1.5" thick:-	6660	%sft	4672.25	311172					0	311172	
10	P/L 1/2" thick cement sand plaster in 1:6 ratio upto 20' height	10178	%sft	2160	219845					0	219845	
11	Providing and applying weather shield paint on new surface two coats of approved quality on external surface of building including preparation of surface, application of primer complete in all respect.	16828	%sft	3116	524360	39460	%Sft	3850.9	1519565	995205	0	
12	Dismantling glazed or encaustic tiles, etc.	5019	%sft	1768.8	88776	44352	%cft	2335.85	265166	476390	0	
13	Dismantling cement concrete 1:2:4 plain.					6914	%cft	11174.6	772612	772612	0	
14	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4					9237	%sft	36753.3	3394902	9394902	0	
15	Removing cement or lime plaster.	5091	%sft	319	16240	4770	%sft	423.3	20191	3961	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
16	P/L Salt'n Pepper (SPM 110) Light Polished SB of 24"x24" Master made tile laid in white cement over 1/2" thick c/s mortar 1:2 i/c filling of joints with matching pigment complete in all respect as approved and directed by the Engineer (For Floor).	55228	P. Sft	276	15242928					0	15242928	
17	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					50192	P.sft	340.35	17082847	17082847	0	
18	P/L Salt'n Pepper (SPM 110) Light Polished SB of 24"x24" Master made tile laid in white cement over 1/2" thick c/s mortar 1:2 i/c filling of joints with matching pigment complete in all respect as approved and directed by the Engineer (For Skirting).	65362	P. Sft	293	19151066					0	19151066	
19	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					31630	P.Sft	340.35	10765271	10765271	0	
20	P/L Master Wall Tile size 12"x36" Master or Equivalent laid over 1:2 cement sand mortar i/c filling of joint with matching pigment complete in all respect as approved and directed by the Engineer Incharge (For Flooring).	1943	P. Sft	270	524610					0	524610	
21	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"					3252	P.Sft	239.8	779830	779830	0	
22	P/L Master Wall Tile size 12"x36" Master or Equivalent laid over 1:2 cement sand mortar i/c filling of joint with matching pigment complete in all respect as approved and directed by the Engineer Incharge (For Skirting).	6875	P. Sft	280	1925000					0	1925000	

Sr. No.		Description										
1	2	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	Remarks
23	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"	9686-8356	P.Sft	292.55	2833639	2444138	2833639	2444138	0	11	12	13
24	P/F False ceiling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.	56926	P. Sft	360	20493360				0			
25	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 (b) Bevelled edges & flange 21.5 mm (iii) 600 mmX 600 mm	75734	%Sft	2774.95	2101581	4556-1088	Psft	400	622400	435200	622400	0
26	Preparing surface and painting with emulsion paint 3 coats i/c Scraping Ordinary distemper, oil bound distemper, or paint of wall.									0	2101581	
27	Removing door with chowkat	40	Each	331.65	13266	34	Each	438	14892	1626	0	
28	Removing windows and sky lights with chowkat.	520	Each	258.7	134524	232	Each	341.5	79228	0	55296	
29	Providing and fixing of ¾" thick pre-polished Marble Slab Granite of China/India laid in white cement and matching pigment over ¾" thick cement mortar 1:2 i/c making holes in slab, rubbing & chemical polishing and making gola on exposed edges complete in all respect as approved by the Engineer Incharge.	3822	P. Sft	1033	3948126					0	3948126	
30	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge.					576	Psft	1308.85	753898	753898	0	
		As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)						

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Page 67												
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											
31	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.	898	P. Sft	2400	2155200			0	2155200			
32	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 (chimita) @ 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 gotties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer incharge				490	P. Sft	2361.45	1157111	1157111	0		
33	P/L Non-Skidding Ceramic Tile Made Of Approved Manufacturer Size Texture Light Size 12"X12" Tile Laid In White Cement Over A Bed Of 3/4" Thick C/S Mortar 1:2 I/C Filling Of Joints With Matching Pigment Complete In All Respect & As Approved By The Engineer Incharge (For Ramps)	1136	P. Sft	252	286272			0	286272			
34	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				770	P. Sft	211.4	162778	162778	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
35	Providing and fixing all types of partly fixed and partly operable glazed anodised bronze colour aluminium doors, using deluxe 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.	1620	P. Sft	586.45	950049	264	P. Sft	1437.6	379526	0
36	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 20 mm (4"x½") and leaf frame sections of 50 x 20 mm (2"x½"), 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.	16705	P. Sft	498.5	8327443	6657	P. Sft	1348.4	8976299	648856
37	Providing and fixing Aluminium Fly screen comprising of Fiber / Aluminium wire guaze (Malasian) fixed in aluminium frame of approved manufacturer bronze 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.	16705	P. Sft	330.05	5513485	3329	P. Sft	493.05	1641363	0
38	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" moulded 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.	1280	P. Sft	298	381440					0
39	P/F of 1-1/2" thick OAK Wood solid 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.	1280	P. Sft	2150	2752000					0
					2752000					2752000

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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 31st December 2022)			Excess	Saving	Remarks		
		Qty	Unit	Rate	Amount	Rate	Amount					
1	2	3	4	5	6	7	8	9	10	11	12	13
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 lacquer 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.					858	P. Sft	678.55	582196	582196	0	
41	Dismantling 2nd class tile roofing.	20927	%Sft	957	200271					0	200271	
42	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 Bhooa, 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.	20927	%Sft	8635.95	1807245					0	1807245	
43	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)	40	Each	595.45	23818	35	Each	835	29225	5407	0	
44	Supply and erection of fancy LED Pannell light 2'x2' i/c LED Light & Driver 36 (W) (Phillips / 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	750	Each	10920	8190000					0	8190000	
45	P/F of M.S Grill to Windows using 1/2"x1/2" Sq Bar @ 4" C/C vertically in two parts with 2 No. Horizontal Lknow for using sliding of windows 1"x1"x1/8" angle iron frame alaround i/c painting 3 coats hold fast complete in all respect as approved and directed by the Engineer Incharge	17755	P. Sft	463	8220565					0	8220565	
46	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					13313	P. Sft	854.8	11379952	11379952	0	
47	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	3840	P. Sft	54.3	208512					0	208512	
48	S/E English W.C Porta made imported one piece i/c double seat cover full size i/c thimble complete set color ICI/forte or equivalent complete in all respect as approved by the Engineer Incharge.	25	Each	19995	499875					0	499875	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	
49	Preparing surface lacquer 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.	2560	P. Sft	80	204800				0	204800
50	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 scaw 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	1534	P. Sft	125	191750				0	191750
51	Providing and fixing Operable 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					700	P. Sft	950	665000	665000
52	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 hardware as approved and directed by the Engineer In-charge (b) 2.5mm thick					4242	P. Sft	1788	7584696	7584696
						2742			2541123	2541123
53	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.	300	P.Sft	4916	1474800	115	P.sft	6170	709550	0
54	Providing and fixing 1 1/2" (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) without chowkat	780	P. Sft	842.85	657423				0	657423
55	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.	500	P. Rft	648	324000	600	P. Sft	640	384000	60000

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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
56	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.	2916	P. Sft	240	699840					0	699840	
57	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.	36769	%Sft	2068	760383					0	760383	
58	S/E of Twin core PVC insulated copper conductor cable in prelad PVC pipe 7/0.044"	4000	P.Mtr	237.9	951600					0	951600	
59	P/F Of Led Lining (Imported) 1Mm Thick Size 4'X8' Complete In All Respect As Approved / Directed By The Engineer Incharge	3774	P. Sft	970	3660780	1098	P. Sft	1020	1119960	0	2540820	
60	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	1701	P. Sft	611	1039311					0	1039311	
61	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.					1556 1088	P.sft	516	802896 561408	802896 561408	0	
62	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embedded 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					7	Each	5572	39004	39004	0	
63	Pacca brick work in ground floor-cement, sand mortar:Ratio 1:4					1721	%cft	33997.7	585100	585100	0	
64	Cement plaster 1:4 upto 20' (6.00 mm) height-1/2" (13 mm) thick					7448	%sft	3232.95	240790	240790	0	
65	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					6656	P. Sft	144.3	960461	960461	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
66	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.					6968	%sft	2175.5	151589	151589	0	
67	Scraping Ordinary distemper, oil bound distemper, or paint of wall.					160714	%sft	761.9	767340	767340	0	
68	Preparing surface and painting with emulsion paint 2 coats					146603	%sft	2034.65	1116968	1116968	0	
69	Cement pointing flush upto 20" (6.00 m) height ratio 1:2 i/c Raking and washing joints of brick masonry (old work)					13924	%sft	3841.85	2982858	2982858	0	
70	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	Pft	440.65	198293	198293	0	
71	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	
72	S/E OF SMD Light (16 Watt) Of Approved Manufacturer Complete in All Respect As Approved & Directed By The Engineer Incharge.					400	Each	1800	720000	720000	0	
73	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"					1000	Pft	335.35	335350	335350	0	
74	...do...6"x3"					600	Pft	402.7	241620	241620	0	
75	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")					250	Pft	5686.15	1421538	1421538	0	
76	...do...120 mm sq (37/0.083)					200	Pft	4633.45	926690	926690	0	
77	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.					895	Pft	516	461820	461820	0	
78	Cement plaster 1:5 upto 20" (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.					3327	%sft	3505.8	116638	116638	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
79	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)					110	PRft	147.3	16203	16203	0	
80	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./c Providing and fixing 6 in (150 mm) wide G.I. sheet 18SWG. stopper to expansion joint.					110	PRft	281.25	30938	30938	0	
81	Dismantling cement concrete reinforced, separating the reinforcement from concrete, cleaning and straightening the same.					856	%cft	18285.7	156526	156526	0	
82												
83	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											
84	Electrification	66591	P. Sft	118	7857738	66591	Pst	222	44783202	6925464	466497	7802238
85	Public Health	66591	P. Sft	92	6126372	66591	Pst	7791147	1664775	1664775	0	
86	Sui Gas	66591	P. Sft	31	2064321				0	2064321		
Total (A):-		132190219			109357086			0	22833133			
1	D/d cost of Old Material								0	0	0	
2	Old Doors with Chowkat	40	Each	2000	80000	34	Each	1500	51000	232000	0	29000
3	Old Windows	520	Each	2000	1040000	232	Each	1000	232000	232000	0	808000
4	Electric cables (unservicable)					1	P.Job	30000	30000	30000	0	
5	Cost of steel					1749	P.Kg	110	192390	192390	0	
6	Tiles 9"x4-1/2"x1-1/2"	54201	%ONos	6000	325206				0	325206		
7	Tile Bats	785	%Cft	2500	19625				0	19625		
Total (B):-		1464831			875182			0	959441			
Net Total (A-B):-		130725388			84786165			0	21873692			
Add 3% Contingency:-		3921762			2543585			0	656211			
Total:-		134647150			87329759			0	22529903			
Say:-		134647000			87330000			0	22530000			
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	%0Cft	8078.4	11108	1375	%0Cft	11949.45	16430	5322	0	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
		3	4	5	6	7	8	9	10	11	12	13
2	Cement concrete brick or stone ballast 1 1/2 " 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)	94	P.Cft	291.35	27387	94	P.Cft	537.5	50525	23138	0	
	complete in all respects:- Type C (nominal mix 1: 2: 4)											
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 1/2" 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	
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	77994	0	
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	67840	0	
11	Cement plaster 1:5 upto 20' height 1/2" thick	1177	%Sft	2210.4	26016	1177	%Sft	3082.5	36281	10265	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	Cement pointing struck joints, on walls, 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.					1353.25	%Sft	4164.35	56354	56354
13	Cement plaster 1:4 upto 20' height ½" thick	1353	%Sft	2297.75	31094				0	31094
14	P/F Terracotta Khapraal 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
15	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	614.875	%Sft	3699.4	22747	6602
16	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	917	%0Cft	3867.6	3547	917	%0Cft	5090.45	4668	1121
17	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile	0	%0Cft	13228.6	0	0	%0Cft	18484.85	0	0
18	Supplying and filling sand under floor, or plugging in wells.	152	%Cft	1879	2856	152	%Cft	3429.85	5213	2357
19	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
20	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
21	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
22	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
23	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	30	P.Sft	1605.35	48161	0
									5736	

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		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	
1	2	3	4	5	6	7	8	9	10	11
24	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 Double Leaf					34	P.Sft	1393.25	47371	47371
25	Providing and fixing 1 1/2" (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 1 1/2"x1 1/2"x 1/2", welded (40 mm x 40 mm x 6mm) with M.S. flat 2"x1/4" (50 mm x 6 mm) (1103.25 - 260.40)	34	P.Sft	842.85	28657				0	28657
26	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
27	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
28	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
29	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
30	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

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 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	
32	Glazing with panes (24 oz. to 26 oz.), using putty and decodar wooden fillets	8	P. Sft	145.9	1167	8	P. Sft	207.15	1657	490	0	
33	Providing and fixing M.S. flat 1/8" (13mm x 3mm) grill including 3/4" x 1/8" (20 mmx8 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	
34	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	14693.45	20865	142	%Sft	20953.65	29754	8889	0	
35	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	1	P.Job	1627920	1627920	301520	0	

1604480

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
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	
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		0	
13	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	312.5	313	1	Each	462.5	463		0	
14	S/E of ceiling fan 56" sweep complete in all respect	1	Each	5000	5000	1	Each	7000	7000		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 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) 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	

M45

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
	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. (50% Grey / 50% Coloured) 60-mm thick	6225	P.Sft	192	1195200					0	1195200	
	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. (50% Grey / 50% Coloured) 80-mm thick	32500	P.Sft	209	6792500					0	6792500	
	Total: -				7987700					0	7987700	
	Add 3% Contingency: -				239631					0	239631	
	Total: -				8227331					0	8227331	
	Say: -				8227300					0	8227300	
G	Provision of External Waiting Area & Parking facility											
1	Making And Fixing Fiber Glass Shed 2Mm Thick Made Of Fiber Glass Sheet Double Ply Fixed On Angle Iron For Truss Roofing 1-1/2"X1-1/2"X1/4" Welded With 9"X9"X1/4" Thick M.S Plate At Top And Bottom Of G.I Pipe 4" Dia And 11' High Embedded In Pcc 1:2:4 1-1/2X1-1/2X1-1/2 At Bottom I/C Rubber Packing & Silicone Filling, Painting 3 Coats Complete In All Respect As Approved And Directed By The Engineer Incharge.	3600	P.Sft	650	2340000					0	2340000	
2	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. (50% Grey / 50% Coloured) 60-mm thick	1200	P.Sft	105.55	126660					0	126660	
	Total: -				2466660					0	2466660	
	Add 3% Contingency: -				74000					0	74000	
	Total: -				2540660					0	2540660	
	Say: -				2541000					0	2541000	
H	Provision of OHR 10000 Gln capacity											
1	Excavation in foundation of buildings bridges and other structured i/c dag bellin, dressing, refilling affound structure with excavation earth watering, and ramming lend upto one chain and lift upto 5'.	1848	%oCft	8078.4	14925	1944	%oCft	10677.75	20758	5833	0	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio 1:4:8	182	% Cft	19052.4	34580	107	% Cft	27431.7	29352	0	5228	

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	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 (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (Nominal mix 1:2:4)	788	P.Cft	291.35	229587	477	P.Cft	438.75	209284	0	20303	
4	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1-1/2:3)	259	P.Cft	435.35	112538	160	P.Cft	594.15	95064	0	17474	
5	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1-1/2:3 (above 20' height.)	367	P.Cft	464.05	170306	123	P.Cft	632.25	77767	0	92539	
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 1-1/2:3 (above 30' height.)	710	P.Cft	492.75	349887	123	P.Cft	670.35	82453	0	267434	
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 1-1/2:3 (upto 40' height.)					795	P.Cft	708.45	563218	563218	0	
8	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and chairs, etc. 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)	9221	% Kg	19996.45	1843789	6089	% Kg	31418.2	1913054	69265	0	
9	Filling watering ramming earth under floor with with new earth excavated from outside, lead upto one chain (30 m).	1232	%oCft	7509.2	9253					0	9253	
10	Supplying and filling sand under floor or plugging in well.	155	%Cft	1879	2913	65	%Cft	2583	1679	0	1234	
11	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.	132	%Cft	5495.7	7254	65	%Cft	9464	6152	0	1102	

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
12	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" thick cement plaster 1:3 i/c rubbing and polishing complete.	672	% Sft	15455.45	103861	709	% Sft	20953.65	148561	44700	0	
13	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 1-1/2	400	%Cft	4672.25	18689					0	18689	
14	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels: 2" thick					240	%Sft	8828	21186	21186	0	
15	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels 1-1/2"x3/8"	200	P.Rft	9.25	1850	240	P.Rft	20	4752	2902	0	
16	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels 1-1/2"x3/8"	200	P.Rft	9.25	1850					0	1850	
17	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing	64	P.Rft	981.85	62838	122	P.Rft	1588.2	193760	130922	0	
18	P/L gauge complete in all respect as approved / directed by Engineer incharge	1	Each	18000	18000	1	Each	30000	30000	12000	0	
19	Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4' high @ 5 1/2" c/c fixed in steps of stair I/C painting 3 coats complete.	80	P.Rft	907.3	72584	128	P.Rft	1062.45	135994	63410	0	
20	Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material) 4"dia	2	Each	9491.95	18984	2	Each	18331.5	36663	17679	0	
21	Providing and fixing bell mouth placed at time of costing of bottom slab.	4	Each	3500	14000	4	Each	5300	21200	7200	0	
22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves 4"medium quality	180	P. Rft	902.4	162432	260.16	P.Rft	1564.95	407137	244705	0	
23	P/F 24" dia C.I Man hole cover on top of servitor with ring complete in all respect.					2	Each	2051.15	4102	4102	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	Re
1	2	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
		3	4	5	6	7	8	9	10	11	12	
24	Providing and applying weather shield paint of approved quality on external surface of building i/c preparation of surface application of primer complete in all respect 2 coats.					2951	P%Sft	5245.3	154789	154789	0	
25	Pacca brick work 1:6 in foundation & plinth for plinth.											
26	Filling watering ramming earth under floor lead upto 3 mile.					180	%Cft	30137	54247	54247	0	
27	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.					392	%oCft	18485	7246	7246	0	
						213	%Kg	32501	69227	69227	0	
28	Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work three coat.					700	%Sft	1805	12637	12637	0	
Total:					3250120							
Add 3% Contingency:					97504				-4300282	1050162	0	
Total:					3347624					0	97504	
Say:					3350000				4300282	952658	0	
I	Provision of Sewerage Sysytem								4300000	950000	0	
1	Provision of Septic Tank											
	External Sewerage	4	Each	106800	427200	3	Each	244500	733500	306300	0	
1	Earth work excavation in open cutting for sewer line main hole as shown in drg etc. complete.	6000	%o Cft	6683.3	40100	28800	%o Cft	11740.4	338124	298024	0	
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.	1476	% Cft	5495.7	81117	3600	% Cft	9464.4	340718	259601	0	
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	2000	P.Rft	850.3	1700600	600	P.Rft	1181.8	709080	0	991520	
4	380 mm (15") i/d					300	P.Rft	960.5	288150	288150	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	Rem
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	1
5	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					900	P.Rft	695.6	626040	626040	0	
6	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)					700	P.Rft	871.55	610085	610085	0	
7	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' 4" dia Class working pressure pipe, in trenches, complete in all respects:-	2600	P.Rft	318.3	827580	1000	P.Rft	440.65	440650	0	386930	
8	Providing and installing P.V.C. bends, of B.S.S with class B 4" dia	115	Each	404.8	46552	115	Each	543.55	62508	15956	0	
9	Providing and installing P.V.C. tees, of B.S.S with class B 4" dia	115	Each	1140.15	131117	115	Each	1586	182390	51273	0	
10	Provision man Hole size 2.5 x 2.5 (Detailed Attached)	60	Each	41500	2490000	40	Each	52400	2096000	0	394000	
					Total: -				5317066			
					Add 3% Contingency: -				159512			
					Total Sewerage: -				5903778			
					Say: -				5903800			
J	Provision of Panel Board i/c Electric Cables											
										0	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	Rem
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	1
1	Supply At Site, Fabrication, Installation, Testing, Commissioning And Connections Of Wires/Cables 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 Hinged Door, Flexible Earthing Strip Lockable Handle, Catcher Earthing Bar Neutral Strip, Internal Wiring From Mcbs Terminating On Cable Terminal Blocks, Including Cost Of All Necessary Materials. All Dbs Mentioned Below Shall Have 3 Phase Indication Lamps Transformer Type Of Colour Red, Yellow, Blue And 1-Voltmeter Scaled 0-500 V. With Voltmeter Selector Switch Including All Incoming And Outgoing Breakers Manufactured By Siemens, Abb, Clipsal Or Approved Equal. Complete In All Respect And To The Instruction Of The Engineer In Charge. Incoming: - 1 No: 600 Amps 3 Phase Adjustable Mccb With Overload And Short Circuit Protection, R.C. Not Less Than 25 Ka, With Additional 4 Copper Flats For Cable Connections On Incoming Side Of Mccb. Outgoing: - 2 No: 400 Amps 3 Phase Adjustable Mccb With Overload And Short Circuit Protection	1	Each	450000	450000					0	450000	
2	Supply And Erection Of Sub Distribution Power 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: 400 Amps 3 Phase Adjustable Mccb With Overload And Short Circuit Protection Outgoing: - 6 Nos: Mccb Tp 200A 18Ka	2	Each	135900	271800					0	271800	

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 pre-laid 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 pre-laid 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	
7	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 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	

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	Rem
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
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							
Add 3% Contingency: -					157420					0	5247336	
Total: -					5404756					0	157420	
Say: -					5404800					0	5404756	
K	Provision of Street Lights									0	5404800	
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jhamries, and repairing surface, etc., complete with all specials 50 mm i/d	850	P. Rft	135.10	114835					0	0	
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated 19/1.63 mm (19/0.064")	550	P. Mtr	586.80	322740					0	322740	
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	25	Each	64596	1614900					0	1614900	
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 mixture 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 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")	170	P. Rft	1425.45	242327					0	242327	

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	Rema
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
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.	100	Each	15600	1560000					0	1560000	
				Total: -	3965402				0	0	3965402	
				Add 3% Contingency: -	118962				0	0	118962	
				Total: -	4084364				0	0	4084364	
				Say: -	4084364				0	0	4084364	
L	Construction of Gate and Gate Pillar									0	0	
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) By Manual in ordinary soil.					192	%oCft.	10677.75	2050	2050	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					24	%Cft.	21178.45	5083	5083	0	
3	Reinforced cement concrete except steel reinforcement (a) rafts / strip foundation, base slab of column etc Ratio (1:2:4).without cost of shuttering.					229	PCft.	438.75	100474	100474	0	
4	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars (Grade-40)					701	%Kg	31418.20	220242	220242	0	
5	Pucca brick work other than buildings upto 10' height, in cement sand mortar (1:4).					163	%Cft.	32898.70	53625	53625	0	
6	Cement plaster (1:4) upto 20' height 1/2" thick.					396	%Sft.	3232.95	12802	12802	0	
7	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect new surface two coats.					396	%Sft.	5245.3	20771	20771	0	
8	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement .					200	P.Sft.	2373.2	474640	474640	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	Rema
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
9	Painting to door and windows any type on new surface 3 coats.					400	%Sft.	2714.80	10859	10859	0	
					Total: -				900546	900546	0	
					Add 3% Contingency: -				27016	27016	0	
					Total: -				927562	927562	0	
					Say: -				927600	927600	0	
					G-Total (A+B+C+D+E+F+G+H+I+J+K+L): -	169088407			167313275	0	1775132	
					Add 1% for tree plantation charges: -	1690884			0	0	1690884	
					Add 5% PRA charges: -	8454420			8365664	0	88756	
					Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of transformer: -	2000000			3000000	1000000	0	
					Add Cost for Sui Gas payable to SNGPL: -	1000000			0	0	1000000	
					Total: -	182233711			478678939	0	3554772	
					Say in Million: -	182.234			478.679	0	3.555	

Sub Divisional Officer
Building Sub Division
Pindigheb

Executive Engineer
Buildings Division,
Attock

Sr. No.	Description	Qty	Unit	Rate	Amount
1	Dismantling glazed or encaustic tiles, etc	14352.00	%ft	2335.85	2661662
2	Dismantling cement concrete 1:2:4 plain.	6914.00	%cft	11174.6	772612
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	6374.00 9237.00	%ft	36753.3	2541123 3394902
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 600mmx600 mm	50192.00	Psf	340.35	17082847
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	31630.00	P.Sft	340.35	10765271
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"	3252.00	P.Sft	239.8	779630
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"	8356 9686.00	P.Sft	292.55	2444138 2833639
8	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) By Manual in ordinary soil	576.00	%0Cft	10677.75	6150
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 n situ, complete in all respects. -Type C (nominal mix 1: 2: 4)	685.00	Pcft	537.5	368188
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)	2099.00	%kg	31418.2	659468
11	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/Shipap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge (b) Bevelled edges & flange 21.5 mm (iii) 600 mmX 600 mm	1088.00 4556.00	Psf	400.00	435200 622400
12	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.	1088.00 4556.00	Psf	516	561408 602896

13	12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channel 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	#242	P. Sft	1 / 88.00	4704090
14	Removing door with chowkat.	34	Each	438	14892
16	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 lacquer 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.	858	P. Sft	678.55	582196
17	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 ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	264	P. Sft	1437.6	379526
18	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	770	P. Sft	211.4	162778
19	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 gotes fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	490	P. Sft	2361.45	1157111
20	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic-operated door stopper (Concealed floor hinge) embedded 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.	7	Each	5572	39004
21	Removing windows and sky lights with chowkat.	393	Each	341.5	134210
22	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.	6657	P. Sft	1348.4	8976299
23	Providing and fixing Aluminium Fly screen comprising of Fiber / Aluminium wire guaze (Malasian) fixed in aluminium frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardware as approved and directed by the engineer incharge complete in all respect.	3329	P. Sft	493.05	1641363
24	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	13313	P. Sft	854.8	11379952

27	Cement plaster 1:4 upto 20' (6.00 mm) height - 3/4" (13 mm) thick	7448	%Sft	3,232.95	240790
28	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	6656	P. Sft	144.3	960461
29	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.	6968	%Sft	2175.5	151589
30	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	100714 146603	%Sft	761.9	767340 4446968
31	Preparing surface and painting with emulsion paint 2 coats	146603	%Sft	2034.65	2049177 2962856
32	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: two coat	39460	%Sft	3850.9	1519565
33	Providing and fixing Operable 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	700	P. Sft	950	665000
34	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.	600	P. Sft	640.00	384000
35	Cement pointing flush upto 20' (6.00 m) height ratio 1:2 i/c Raking and washing joints of brick masonry (old work).	13924	%Sft	3841.85	534939
36	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	Pft	260.60 440.65	117278 498293
37	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
38	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)	35	Each	835	29225
39	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.	576	Pst	1308.85	753898
40	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.	1098	P. Sft	1020.00	1119960
41	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.	400	Each	1800	720000
42	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 4000	Pft	335.35	167675 335350
43	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")	250	Pft	5686.15	1421538
44	do... 120 mm sq (37/0.083")	200	Pft	4633.45	926690

47	Making Jharries in existing brick masonry for providing jesses for bearing of RCC roof slab, including repairing the damaged face for slabs upto 6" (150 mm) thick	2400	PRT	36.7	77070
48	Cement plaster 1:5 upto 20" (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.	3327	%sft	3506	116638
49	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)	110	PRT	147.3	16203
50	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.	110	PRT	281.25	30938
51	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.	115	Pst	6170	709550
52	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	856	%cft	18285.7	156526
53	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality 4" i/d (100 mm) 4.5mm thick	800	PRT	1564.95	1251960
54	Electric Installation (Add Only A.C DBs & new circuitry.)	500	Pst	111	55500
ii	Public Health	66591	Pst	117	7791147
<p style="text-align: right;">109357086 85933364/- 85661347/- Total:- 124531730/- 126071363</p>					
Did cost of Old Material					
1	Old Doors with Chowkat	34	Each	1500	51000
2	Old Windows	393	Each	1000	393000
3	Tiles 9"x4-1/2"x1-1/2"	36064	%Onos	5200	1983520
ii	Tile Bats	522	%Ct	2000	104400
4	Electric cables (unservicable)	1	P.Job	30000	30000
5	Cost of steel	1749	P.Kg	110	192390
<p style="text-align: right;">815182/- 505290 84786165/- 108851496 Total (B):- 714182/- 642115</p>					
<p style="text-align: right;">123816418 125399248 Net Total (A-B):-</p>					
<p style="text-align: right;">2543585/- 2568320 Add 3% Contingency:- 374108/- 3761077/-</p>					
<p style="text-align: right;">44440067/- 42753154/- 87329150/- Total:- 129161225</p>					
<p style="text-align: right;">804 87330000/- Say:- 127531000/- 129461000</p>					

Sub Divisional Officer
Building Sub Division
pindigheb

Executive Engineer
Buildings Division,
Attock

ESTIMATE FOR THE WORK "REVAMPING OF T.H.Q HOSPITAL PINDIGHEB DISTRICT ATTACK"

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
1	Dismantling glazed or encaustic tiles, etc					
	GROUND FLOOR (OPD)					
	B.R	1	9	15.5		140 Cft
	STORE	1	9.25	15.5		143 Cft
	STORE	1	9	15.5		140 Cft
	FEMALE DR	1	12.5	15.5		194 Cft
	CLERK	1	9.33	15.5		145 Cft
	DR	1	9.25	15.5		143 Cft
	DR	1	10	15.5		155 Cft
	STORE	1	9.25	15.5		143 Cft
	M.S.OFFICE	1	12.75	15.5		198 Cft
	B.R	1	5.5	5.75		32 Cft
	HALL	1	19.25	15.5		298 Cft
	ROOM	1	15.75	15.5		244 Cft
	SHOBA TIB	1	9.25	15.5		143 Cft
	TIB	1	14	15.5		217 Cft
	EMERGENCY WARD	1	15.75	15.5		244 Cft
	B.R	1	15.75	15.5		244 Cft
	STORE	1	15.75	15.5		244 Cft
	MEDICINE	1	19	15.5		295 Cft
	STORE	1	12.75	15.5		198 Cft
	COMP.	1	9.5	15.5		147 Cft
	HAL	1	9.5	15.5		147 Cft
	DISPENSARY	1	19	15.5		295 Cft
	DISPENSARY	1	9.25	15.5		143 Cft
	ROOM	1	7	9.25		65 Cft
	ROOM	1	7	5.5		39 Cft
	DENTAL	1	12.5	15.5		194 Cft
	DENTAL	1	9	15.5		140 Cft
	MALE DR	1	9.5	15.5		147 Cft
		2	19.25	15.5		597 Cft
		1	15.75	15.5		244 Cft
		1	9.25	15.5		143 Cft
		1	14	15.5		217 Cft
		2	18	15.5		558 Cft
	MALE MERGENCY	1	19.5	15.5		302 Cft
	FEMALE WARD	1	15.75	15.5		244 Cft
	B.R	1	5.5	15.5		85 Cft
	stair case	1	9.25	15.5		143 Cft
	Gallery OPD	2	212	8		3392 Cft
	Gallery	1	55	10		550 Cft
					Total	11352 Cft
2	Dismantling cement concrete 1:2:4 plain.					
	B.R	1	9	15.5	0.125	17 Cft
	STORE	1	9.25	15.5	0.125	18 Cft
	STORE	1	9	15.5	0.125	17 Cft
	FEMALE DR	1	12.5	15.5	0.125	24 Cft
	CLERK	1	9.33	15.5	0.125	18 Cft
	DR	1	9.25	15.5	0.125	18 Cft
	DR	1	10	15.5	0.125	19 Cft
	STORE	1	9.25	15.5	0.125	18 Cft
	M.S OFFICE	1	12.75	15.5	0.125	25 Cft
	B.R	1	5.5	5.75	0.125	4 Cft
	HALL	1	19.25	15.5	0.125	37 Cft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	ROOM	1	15.75	15.5	0.125	31 Cft
	SHOBA TIB	1	9.25	15.5	0.125	18 Cft
	TIB	1	14	15.5	0.125	27 Cft
	EMERGENCY WARD	1	15.75	15.5	0.125	31 Cft
	B.R	1	15.75	15.5	0.125	31 Cft
	STORE	1	15.75	15.5	0.125	31 Cft
	MEDICINE	1	19	15.5	0.125	37 Cft
	STORE	1	12.75	15.5	0.125	25 Cft
	COMP.	1	9.5	15.5	0.125	18 Cft
	HAL	1	9.5	15.5	0.125	18 Cft
	DISPENSARY	1	19	15.5	0.125	37 Cft
	DISPENSARY	1	9.25	15.5	0.125	18 Cft
	ROOM	1	7	9.25	0.125	8 Cft
	ROOM	1	7	5.5	0.125	5 Cft
	DENTAL	1	12.5	15.5	0.125	24 Cft
	DENTAL	1	9	15.5	0.125	17 Cft
	MALE DR	1	9.5	15.5	0.125	18 Cft
		2	19.25	15.5	0.125	75 Cft
		1	15.75	15.5	0.125	31 Cft
		1	9.25	15.5	0.125	18 Cft
		1	14	15.5	0.125	27 Cft
		2	18	15.5	0.125	70 Cft
	MALE MERGENCY	1	19.5	15.5	0.125	38 Cft
	FEMALE WARD	1	15.75	15.5	0.125	31 Cft
	B.R	1	5.5	15.5	0.125	11 Cft
	stair case	1	9.25	15.5	0.125	18 Cft
	Gallery OPD	2	212	8	0.125	424 Cft
	Gallery	1	55	10	0.125	69 Cft
	O.T BLOCK					Cft
	DR. ROOM	1	16	18.75	0.125	38 Cft
	O.T	1	15.75	18.75	0.125	37 Cft
	LAB STORE	1	12.5	18.75	0.125	29 Cft
	LAB STORE	1	12.5	18.75	0.125	29 Cft
	O.T	1	19.5	18.75	0.125	46 Cft
	LABOR ROOM	1	12.5	18.75	0.125	29 Cft
	DUTY ROOM	1	12.5	18.75	0.125	29 Cft
	BATH	1	6.5	6.50	0.125	5 Cft
	X-RAY ROOM	1	16	18.75	0.125	38 Cft
	DARK ROOM	1	9.75	18.75	0.125	23 Cft
	STORE	1	9.75	18.75	0.125	23 Cft
	DARK ROOM	1	9.75	18.75	0.125	23 Cft
	STORE	1	9.75	18.75	0.125	23 Cft
	DARK ROOM	1	6.5	18.75	0.125	15 Cft
	STORE	1	6.5	18.75	0.125	15 Cft
	X-RAY ROOM	1	16.25	18.75	0.125	38 Cft
	WAITING HALL	1	12.25	18.75	0.125	29 Cft
	LABOR ROOM	1	12.25	18.75	0.125	29 Cft
	B.R	1	5.9	18.75	0.125	14 Cft
	B.R	1	5.9	18.75	0.125	14 Cft
	STERILIZATION	1	9.25	18.75	0.125	22 Cft
	O.T	1	26.25	18.75	0.125	62 Cft
	PRIVATE ROOM	1	12.33	18.75	0.125	29 Cft
	STORE	1	5.25	18.75	0.125	12 Cft
	LAB	1	9.25	18.75	0.125	22 Cft
	WAITING HALL	1	9	18.75	0.125	21 Cft
	LAB	1	18.1	12.25	0.125	28 Cft
		1	19	18.75	0.125	45 Cft

(75)

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
		1	18	18.75	0.125	42 Cft
		1	19	18.75	0.125	45 Cft
		1	19	18.75	0.125	45 Cft
	BATH	1	9	6	0.125	7 Cft
	BATH	1	9	6	0.125	7 Cft
	stair case	1	12.75	18.75	0.125	30 Cft
	Gallery OT	1	157	8	0.125	157 Cft
	Gallery OT	1	153	8	0.125	153 Cft
	Gallery OT	1	57	8	0.125	57 Cft
	Gallery	1	50	12	0.125	75 Cft
	WARDS G.F					Cft
	MALE WARD 1	1	75	20	0.125	188 Cft
	MALE WARD 2	1	75	20	0.125	188 Cft
	ROOM	1	10.5	8	0.125	11 Cft
	ROOM	1	10.5	8	0.125	11 Cft
	NURSING ROOM	1	10.5	16	0.125	21 Cft
		1	10.5	15.5	0.125	20 Cft
		2	18	15.5	0.125	70 Cft
		2	15	15.5	0.125	58 Cft
		1	20	15.5	0.125	39 Cft
	T.B DATS	1	10.5	16	0.125	21 Cft
	MASJID	1	8	15.5	0.125	16 Cft
	B.R	1	8	4	0.125	4 Cft
	STOR	1	8	4	0.125	4 Cft
	ROOM	1	10	19	0.125	24 Cft
	B.R	1	4.5	9	0.125	5 Cft
	DENGUE WARD	1	10.5	19.25	0.125	25 Cft
	STORE	1	4.5	9	0.125	5 Cft
	B.R	1	10.25	4	0.125	5 Cft
	B.R	1	20.5	15	0.125	38 Cft
	ROOM	1	10	19	0.125	24 Cft
	B.R	1	10.25	4	0.125	5 Cft
	stair case	1	10	18	0.125	23 Cft
	w8ing area	1	21	18	0.125	47 Cft
	NURSING ROOM	1	10	15.5	0.125	19 Cft
	STORE	1	10	9.5	0.125	12 Cft
	B.R	1	10	4.5	0.125	6 Cft
	PRIVATE ROOM	1	10.5	15.5	0.125	20 Cft
		2	18	15.5	0.125	70 Cft
		2	15	15.5	0.125	58 Cft
		1	20	15.5	0.125	39 Cft
	ROOM	1	7	15.5	0.125	14 Cft
	ROOM	1	10	19	0.125	24 Cft
	STORE	1	4.5	9.5	0.125	5 Cft
	B.R	1	4.5	9.5	0.125	5 Cft
	DENGUE WARD	1	10	19.5	0.125	24 Cft
	B.R	1	10.5	4	0.125	5 Cft
	FEMALE WARD 1	1	75	20	0.125	188 Cft
	FEMALE WARD 2	1	75	20	0.125	188 Cft
	B.R	1	20.5	15	0.125	38 Cft
	yellow Room	1	18	12	0.125	27 Cft
	Red Room	1	16	12	0.125	24 Cft
	Gallery WARDS	1	40	9.75	0.125	49 Cft
	Gallery WARDS	1	40	9.75	0.125	49 Cft
	Gallery WARDS	1	20	8	0.125	20 Cft
	Gallery WARDS	1	102	8	0.125	102 Cft
	Gallery WARDS	2	58	7	0.125	102 Cft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	WARDS F.F					
	GAINI WARD	1	15.25	20	0.125	38 Cft
	HEAT STROKE WARD	1	15.25	20	0.125	38 Cft
	BAHALI KAMRA	1	10.25	11	0.125	14 Cft
	STORE	1	10.25	7.33	0.125	9 Cft
	PRIVATE ROOM	1	10.25	16.125	0.125	21 Cft
	PRIVATE ROOM	1	10.25	16.125	0.125	21 Cft
	ROOM	1	7.125	16.125	0.125	14 Cft
	ROOM	1	9.25	16.125	0.125	19 Cft
	ROOM	1	10.33	16.125	0.125	21 Cft
	B.R	1	9.25	9.25	0.125	11 Cft
	STORE	1	9.25	10	0.125	12 Cft
	ROOM	1	9.25	16.125	0.125	19 Cft
	FEMALE MEDICAL WARD	1	75	20	0.125	188 Cft
	FEMALE SURGICAL WARD	1	75	20	0.125	188 Cft
	CONGO ROOM	1	10.125	19	0.125	24 Cft
	B.R	1	4.5	9.25	0.125	5 Cft
		1	4.5	9.25	0.125	5 Cft
	DENGUE ROOM	1	9.875	19.875	0.125	25 Cft
	DENGUE ROOM	1	9.875	19.875	0.125	25 Cft
	B.R	1	4.5	9.25	0.125	5 Cft
		1	4.5	9.25	0.125	5 Cft
	stair case	1	18	16	0.125	36 Cft
	CONGO ROOM	1	10.25	19	0.125	24 Cft
		1	15.33	19	0.125	36 Cft
	GALLERY	1	200	8	0.125	200 Cft
	GALLERY	1	150	8	0.125	150 Cft
	GALLERY	1	160	8	0.125	160 Cft
	OPD F.F					
	HALL	1	18.5	15.5	0.125	36 Cft
	PRIVATE ROOM	1	13.5	15.5	0.125	26 Cft
	WAITING HALL	1	19.25	15.5	0.125	37 Cft
	STORE	1	19.25	15.5	0.125	37 Cft
	B.R	1	7.5	9.5	0.125	9 Cft
	HALL	1	8	9.5	0.125	10 Cft
	FALAH MARKAZ	1	19.5	15.5	0.125	38 Cft
	PRIVATE ROOM	1	19.5	15.5	0.125	38 Cft
		1	18	15.5	0.125	35 Cft
		1	18	15.5	0.125	35 Cft
	HALL	1	7.5	15.5	0.125	15 Cft
	KITCHEN	1	13.5	15.5	0.125	26 Cft
	ROOM	1	12.5	15.5	0.125	24 Cft
		1	7.25	15.52	0.125	14 Cft
		1	13.5	15.5	0.125	26 Cft
		1	12.5	15.5	0.125	24 Cft
	WAITING ROOM	1	19.5	15.5	0.125	38 Cft
	stair case	1	18	16	0.125	36 Cft
	CONFERENCE HALL	1	42	15.5	0.125	81 Cft
	GALLERY	1	120	8	0.125	120 Cft
	GALLERY	1	120	10	0.125	150 Cft
					Total	6914 Cft
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	6914	/	0.125	0.167	9237 Cft
					Total:-	9237 Cft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
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					
	GROUND FLOOR (OPD)					
	STORE		1	9.25	15.5	143 Sft
	STORE		1	9	15.5	140 Sft
	FEMALE DR		1	12.5	15.5	194 Sft
	CLERK		1	9.33	15.5	145 Sft
	DR		1	9.25	15.5	143 Sft
	DR		1	10	15.5	155 Sft
	STORE		1	9.25	15.5	143 Sft
	M.S OFFICE		1	12.75	15.5	198 Sft
	HALL		1	19.25	15.5	298 Sft
	ROOM		1	15.75	15.5	244 Sft
	SHOBA TIB		1	9.25	15.5	143 Sft
	TIB		1	14	15.5	217 Sft
	EMERGENCY WARD		1	15.75	15.5	244 Sft
	STORE		1	15.75	15.5	244 Sft
	MEDICINE		1	19	15.5	295 Sft
	STORE		1	12.75	15.5	198 Sft
	COMP.		1	9.5	15.5	147 Sft
	HAL		1	9.5	15.5	147 Sft
	DISPENSARY		1	19	15.5	295 Sft
	DISPENSARY		1	9.25	15.5	143 Sft
	ROOM		1	7	9.25	65 Sft
	ROOM		1	7	5.5	39 Sft
	DENTAL		1	12.5	15.5	194 Sft
	DENTAL		1	9	15.5	140 Sft
MALE DR		1	9.5	15.5	147 Sft	
		2	19.25	15.5	597 Sft	
		1	15.75	15.5	244 Sft	
		1	9.25	15.5	143 Sft	
		1	14	15.5	217 Sft	
		2	18	15.5	558 Sft	
	MALE MERGENCY	1	19.5	15.5	302 Sft	
	FEMALE WARD	1	15.75	15.5	244 Sft	
	stair case	1	9.25	15.5	143 Sft	
	Gallery OPD	2	212	8	3392 Sft	
	Gallery	1	55	10	550 Sft	
	O.T BLOCK					
	DR. ROOM	1	16	18.75	300 Sft	
	LAB STORE	1	12.5	18.75	234 Sft	
	LAB STORE	1	12.5	18.75	234 Sft	
	LABOR ROOM	1	12.5	18.75	234 Sft	
	DUTY ROOM	1	12.5	18.75	234 Sft	
	WAITING HALL	1	12.25	18.75	230 Sft	
	LABOR ROOM	1	12.25	18.75	230 Sft	
	STERILIZATION	1	9.25	18.75	173 Sft	
	PRIVATE ROOM	1	12.33	18.75	231 Sft	
	STORE	1	5.25	18.75	98 Sft	
	LAB	1	9.25	18.75	173 Sft	
	WAITING HALL	1	9	18.75	169 Sft	
	LAB	1	18.1	12.25	222 Sft	
		1	19	18.75	356 Sft	
		1	18	18.75	338 Sft	
		1	19	18.75	356 Sft	
		1	19	18.75	356 Sft	

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	stair case	1	12.75	18.75		239 Sft
	Gallery OT	1	157	8		1256 Sft
	Gallery OT	1	153	8		1224 Sft
	Gallery OT	1	57	8		456 Sft
	Gallery	1	50	12		600 Sft
	WARDS G.F					Sft
	MALE WARD 1	1	65.25	20		1305 Sft
	MALE WARD 2	1	65.25	20		1305 Sft
	ROOM	1	10.5	8		84 Sft
	ROOM	1	10.5	8		84 Sft
	NURSING ROOM	1	10.5	16		168 Sft
		1	10.5	15.5		163 Sft
		2	18	15.5		558 Sft
		2	15	15.5		465 Sft
		1	20	15.5		310 Sft
	T.B DATS	1	10.5	16		168 Sft
	MASJID	1	8	15.5		124 Sft
	STOR	1	8	4		32 Sft
	ROOM	1	10	19		190 Sft
	DENGUE WARD	1	10.5	19.25		202 Sft
	STORE	1	4.5	9		41 Sft
	ROOM	1	10	19		190 Sft
	stair case	1	10	18		180 Sft
	w8ing area	1	21	18		378 Sft
	NURSING ROOM	1	10	15.5		155 Sft
	STORE	1	10	9.5		95 Sft
	PRIVATE ROOM	1	10.5	15.5		163 Sft
		2	18	15.5		558 Sft
		2	15	15.5		465 Sft
		1	20	15.5		310 Sft
	ROOM	1	7	15.5		109 Sft
	ROOM	1	10	19		190 Sft
	STORE	1	4.5	9.5		43 Sft
	DENGUE WARD	1	10	19.5		195 Sft
	FEMALE WARD 1	1	65.25	20		1305 Sft
	FEMALE WARD 2	1	65.25	20		1305 Sft
	yellow Room	1	18	12		216 Sft
	Red Room	1	16	12		192 Sft
	Gallery WARDS	1	40	9.75		390 Sft
	Gallery WARDS	1	40	9.75		390 Sft
	Gallery WARDS	1	20	8		160 Sft
	Gallery WARDS	1	102	8		816 Sft
	Gallery WARDS	2	58	7		812 Sft
	WARDS F.F					
	GAINI WARD	1	15.25	20		305 Sft
	HEAT STROKE WARD	1	15.25	20		305 Sft
	BAHALI KAMRA	1	10.25	11		113 Sft
	STORE	1	10.25	7.33		75 Sft
	PRIVATE ROOM	1	10.25	16.125		165 Sft
	PRIVATE ROOM	1	10.25	16.125		165 Sft
	ROOM	1	7.125	16.125		115 Sft
	ROOM	1	9.25	16.125		149 Sft
	ROOM	1	10.33	16.125		167 Sft
		1	15	16.125		242 Sft
	STORE	1	9.25	10		93 Sft
	ROOM	1	9.25	16.125		149 Sft
	FEMALE MEDICAL WARD	1	75	20		1500 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	FEMALE SURGICAL WARD	1	75	20		1500 Sft
	CONGO ROOM	1	10.125	19		192 Sft
	DENGUE ROOM	1	9.875	19.875		196 Sft
	DENGUE ROOM	1	9.875	19.875		196 Sft
	stair case	1	18	16		288 Sft
	CONGO ROOM	1	10.25	19		195 Sft
		1	15.33	19		291 Sft
	GALLERY	1	200	8		1600 Sft
	GALLERY	1	150	8		1200 Sft
	GALLERY	1	160	8		1280 Sft
	OPD F.F					
	HALL	1	18.5	15.5		287 Sft
	PRIVATE ROOM	1	13.5	15.5		209 Sft
	WAITING HALL	1	19.25	15.5		298 Sft
	STORE	1	19.25	15.5		298 Sft
	B.R	1	7.5	9.5		71 Sft
	HALL	1	8	9.5		76 Sft
		1	17	15.5		264 Sft
	FALAH1 MARKAZ	1	19.5	15.5		302 Sft
	PRIVATE ROOM	1	19.5	15.5		302 Sft
		1	18	15.5		279 Sft
		1	18	15.5		279 Sft
	HALL	1	7.5	15.5		116 Sft
	KITCHEN	1	13.5	15.5		209 Sft
	ROOM	1	12.5	15.5		194 Sft
		1	7.25	15.52		113 Sft
		1	13.5	15.5		209 Sft
		1	12.5	15.5		194 Sft
	WAITING ROOM	1	19.5	15.5		302 Sft
	stair case	1	18	16		288 Sft
	CONFERENCE HALL	1	42	15.5		651 Sft
	GALLERY	1	120	8		960 Sft
	GALLERY	1	120	10		1200 Sft
					Total	50192 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 (OPD)					
	STORE	2	(9.25+	15.5)	4.00	198 Sft
	STORE	2	(9+	15.5)	4.00	196 Sft
	FEMALE DR	2	(12.5+	15.5)	4.00	224 Sft
	CLERK	2	(9.33+	15.5)	4.00	199 Sft
	DR	2	(9.25+	15.5)	4.00	198 Sft
	DR	2	(10+	15.5)	4.00	204 Sft
	STORE	2	(9.25+	15.5)	4.00	198 Sft
	M.S OFFICE	2	(12.75+	15.5)	4.00	226 Sft
	HALL	2	(19.25+	15.5)	4.00	278 Sft
	ROOM	2	(15.75+	15.5)	4.00	250 Sft
	SHOBA TIB	2	(9.25+	15.5)	4.00	198 Sft
	TIB	2	(14+	15.5)	4.00	236 Sft
	EMERGENCY WARD	2	(15.75+	15.5)	4.00	250 Sft
	STORE	2	(15.75+	15.5)	4.00	250 Sft
	MEDICINE	2	(19+	15.5)	4.00	276 Sft
	STORE	2	(12.75+	15.5)	4.00	226 Sft
	COMP.	2	(9.5+	15.5)	4.00	200 Sft
	HAL	2	(9.5+	15.5)	4.00	200 Sft
	DISPENSARY	2	(19+	15.5)	4.00	276 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	DISPENSARY	2	(9.25+	15.5)	4.00	198 Sft
	ROOM	2	(7+	9.25)	4.00	130 Sft
	ROOM	2	(7+	5.5)	4.00	100 Sft
	DENTAL	2	(12.5+	15.5)	4.00	224 Sft
	DENTAL	2	(9+	15.5)	4.00	196 Sft
	MALE DR	2	(9.5+	15.5)	4.00	200 Sft
		4	(19.25+	15.5)	4.00	556 Sft
		2	(15.75+	15.5)	4.00	250 Sft
		2	(9.25+	15.5)	4.00	198 Sft
		2	(14+	15.5)	4.00	236 Sft
		4	(18+	15.5)	4.00	536 Sft
	MALE EMERGENCY	2	(19.5+	15.5)	4.00	280 Sft
	FEMALE WARD	2	(15.75+	15.5)	4.00	250 Sft
	stair case	2	(9.25+	15.5)	4.00	198 Sft
	Gallery OPD	2	212	4.00		1696 Sft
	Gallery	2	55	4.00		440 Sft
	O.T BLOCK					
	DR. ROOM	2	(16+	18.75)	0.50	35 Sft
	LAB STORE	2	(12.5+	18.75)	0.50	31 Sft
	LAB STORE	2	(12.5+	18.75)	0.50	31 Sft
	LABOR ROOM	2	(12.5+	18.75)	0.50	31 Sft
	DUTY ROOM	2	(12.5+	18.75)	0.50	31 Sft
	WAITING HALL	2	(12.25+	18.75)	4.00	248 Sft
	LABOR ROOM	2	(12.25+	18.75)	0.50	31 Sft
	STERILIZATION	2	(9.25+	18.75)	0.50	28 Sft
	PRIVATE ROOM	2	(12.33+	18.75)	0.50	31 Sft
	STORE	2	(5.25+	18.75)	0.50	24 Sft
	LAB	2	(9.25+	18.75)	0.50	28 Sft
	WAITING HALL	2	(9+	18.75)	4.00	222 Sft
	LAB	2	(18.1+	12.25)	0.50	30 Sft
		2	(19+	18.75)	0.50	38 Sft
		2	(18+	18.75)	0.50	37 Sft
		2	(19+	18.75)	0.50	38 Sft
		2	(19+	18.75)	0.50	38 Sft
	stair case	2	(12.75+	18.75)	4.00	252 Sft
	Gallery OT	2	157	4.00		1256 Sft
	Gallery OT	2	153	4.00		1224 Sft
	Gallery OT	2	57	4.00		456 Sft
	Gallery	2	50	4.00		400 Sft
	WARDS G.F					
	MALE WARD 1	2	(65+	20)	4.00	680 Sft
	MALE WARD 2	2	(65+	20)	4.00	680 Sft
	ROOM	2	(10.5+	8)	0.50	19 Sft
	ROOM	2	(10.5+	8)	0.50	19 Sft
	NURSING ROOM	2	(10.5+	16)	0.50	27 Sft
		2	(10.5+	15.5)	0.50	26 Sft
		4	(18+	15.5)	0.50	67 Sft
		4	(15+	15.5)	0.50	61 Sft
		2	(20+	15.5)	0.50	36 Sft
	T.B DATS	2	(10.5+	16)	0.50	27 Sft
	MASJID	2	(8+	15.5)	4.00	188 Sft
	STOR	2	(8+	4)	0.50	12 Sft
	ROOM	2	(10+	19)	0.50	29 Sft
	DENGUE WARD	2	(10.5+	19.25)	4.00	238 Sft
	STORE	2	(4.5+	9)	0.50	14 Sft
	ROOM	2	(10+	19)	0.50	29 Sft
		2	(15+	19)	0.50	34 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
		2	(12+	19)	0.50	31 Sft
	stair case	2	(10+	18)	4.00	224 Sft
	w8ing area	2	(21+	18)	4.00	312 Sft
	NURSING ROOM	2	(10+	15.5)	0.50	26 Sft
	STORE	2	(10+	9.5)	0.50	20 Sft
	PRIVATE ROOM	2	(10.5+	15.5)	0.50	26 Sft
		4	(18+	15.5)	0.50	67 Sft
		4	(15+	15.5)	0.50	61 Sft
		2	(20+	15.5)	0.50	36 Sft
	ROOM	2	(7+	15.5)	0.50	23 Sft
	ROOM	2	(10+	19)	0.50	29 Sft
	STORE	2	(4.5+	9.5)	0.50	14 Sft
	DENGUE WARD	2	(10+	19.5)	4.00	236 Sft
	FEMALE WARD 1	2	(65+	20)	4.00	680 Sft
	FEMALE WARD 2	2	(65+	20)	4.00	680 Sft
	yellow Room	2	(18+	12)	0.50	30 Sft
	Red Room	2	(16+	12)	0.50	28 Sft
	Gallery WARDS	2	40		4.00	320 Sft
	Gallery WARDS	2	40		4.00	320 Sft
	Gallery WARDS	2	20		4.00	160 Sft
	Gallery WARDS	2	102		4.00	816 Sft
	Gallery WARDS	2	58		4.00	464 Sft
	WARDS F.F					
	GAINI WARD	2	(15.25+	20)	4.00	282 Sft
	HEAT STROKE WARD	2	(15.25+	20)	4.00	282 Sft
	BAHALI KAMRA	2	(10.25+	11)	0.50	21 Sft
	STORE	2	(10.25+	7.33)	0.50	18 Sft
	PRIVATE ROOM	2	(10.25+	16.125)	0.50	26 Sft
	PRIVATE ROOM	2	(10.25+	16.125)	0.50	26 Sft
	ROOM	2	(7.125+	16.125)	0.50	23 Sft
	ROOM	2	(9.25+	16.125)	0.50	25 Sft
	ROOM	2	(10.33+	16.125)	0.50	26 Sft
	STORE	2	(9.25+	10)	0.50	19 Sft
	ROOM	2	(9.25+	16.125)	0.50	25 Sft
	FEMALE MEDICAL WARD	2	(65.25+	20)	4.00	682 Sft
	FEMALE SURGICAL WARD	2	(65.25+	20)	4.00	682 Sft
	CONGO ROOM	2	(10.125+	19)	0.50	29 Sft
		2	(4.5+	9.25	0.50	14 Sft
	DENGUE ROOM	2	(9.875+	19.875)	0.50	30 Sft
	DENGUE ROOM	2	(9.875+	19.875)	0.50	30 Sft
		2	(4.5+	9.25)	0.50	14 Sft
	stair case	2	(18+	16)	4.00	272 Sft
	CONGO ROOM	2	(10.25+	19)	0.5	29 Sft
		2	(15.33+	19)	0.5	34 Sft
	GALLERY	2	200		4	1600 Sft
	GALLERY	2	150		4	1200 Sft
	GALLERY	2	160		4	1280 Sft
	OPD F.F					
	HALL	2	(18.5+	15.5)	4	272
	PRIVATE ROOM	2	(13.5+	15.5)	4	232
	WAITING HALL	2	(19.25+	15.5)	4	278
	STORE	2	(19.25+	15.5)	4	278
	HALL	2	(8+	9.5)	4	140
	FALAHY MARKAZ	2	(19.5+	15.5)	4	280
	PRIVATE ROOM	2	(19.5+	15.5)	4	280
		2	(18+	15.5)	4	268
		2	(18+	15.5)	4	268

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	HALL	2	(7.5+	15.5)	4	184
	KITCHEN	2	(13.5+	15.5)	4	232
	ROOM	2	(12.5+	15.5)	4	224
		2	(7.25+	15.52)	4	182
		2	(13.5+	15.5)	4	232
		2	(12.5+	15.5)	4	224
	WAITING ROOM	2	(19.5+	15.5)	4	280
	stair case	2	(18+	16)	4	272
	CONFERENCE HALL	2	(42+	15.5)	4	460
	GALLERY	2	120		4	960
	GALLERY	2	120		4	960
					Total(A)	34475 Sft
	D/d					
	D1	15	7	4		420 Sft
		9	7	4		252 Sft
	D2	21	4	4		336 Sft
	D3	18	2.5	4		180 Sft
	D4	25	5	4		500 Sft
	AI	16	5	4		320 Sft
	WINDOWS					
		60	4	1		240 Sft
		90	2.5	1		225 Sft
		31	6	2		372 Sft
					Total(B)	2845 Sft
					G.Total(A+B)	31630 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"					
	B.R	4	9	15.5		558 Sft
	B.R	2	5.5	5.75		63 Sft
	B.R	1	15.75	15.5		244 Sft
	B.R	1	5.5	15.5		85 Sft
	BATH	2	6.5	6.50		85 Sft
	B.R	2	5.9	18.75		221 Sft
	BATH	2	9	6		108 Sft
	B.R	4	8	4		128 Sft
	B.R	2	4.5	9		81 Sft
	B.R	3	10.25	4		123 Sft
	B.R	1	20.5	15		308 Sft
	B.R	4	10	4.5		180 Sft
	B.R	4	4.5	9.5		171 Sft
	B.R	2	20.5	15		615 Sft
	B.R	1	9.25	9.25		86 Sft
	B.R	3	4.5	9.25		125 Sft
	B.R	1	7.5	9.5		71 Sft
					Total	3252 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"					
	B.R	4	(9+	15.5)	7	686 Sft
		2	(9+	15.5)	7	343 Sft
	B.R	2	(5.5+	5.75)	7	158 Sft
		2	(5.5+	5.75)	7	158 Sft
	B.R	1	(15.75+	15.5)	7	219 Sft
	B.R	1	(5.5+	15.5)	7	147 Sft
	BATH	2	(6.5+	6.5)	7	182 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS				Qty.
			L	B	H		
		2	(6.5+	6.5)	7	182 Sft	
	B.R	4	(5.9+	18.75)	7	690 Sft	
		4	(5.9+	18.75)	7	690 Sft	
	BATH	2	(9+	6)	7	210 Sft	
		2	(9+	6)	7	210 Sft	
	B.R	8	(8+	4)	7	672 Sft	
	B.R	4	(4.5+	9)	7	378 Sft	
	B.R	6	(10.25+	4)	7	599 Sft	
	B.R	2	(20.5+	15)	7	497 Sft	
	B.R	8	(10+	4.5)	7	812 Sft	
	B.R	8	(4.5+	9.5)	7	784 Sft	
	B.R	4	(20.5+	15)	7	994 Sft	
	B.R	2	(9.25+	9.25)	7	259 Sft	
	B.R	6	(4.5+	9.25)	7	578 Sft	
	B.R	2	(7.5+	9.5)	7	238 Sft	
	<i>2x38x2.5x7.0</i>				Total	9686 Sft	
8	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) By Manual in ordinary soil					8356	
	front pillars	4	6	6	4.00	576 Cft	
					Total: -	576 Cft	
	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1: 4: 8	4	6	6	3.00	432 Cft	
					Total: -	432 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 n situ, complete in all respects:-Type C (nominal mix 1: 2: 4)						
	Front Col	4	6	6	1.00	144 Cft	
		8	1.5	1.5	12.00	216 Cft	
	Beams	2	20	1.5	2.00	120 Cft	
		2	10	1.5	2.00	60 Cft	
		2	10	1.5	1.50	45 Cft	
	slab	1	20	10	0.50	100 Cft	
					Total: -	685 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)	685	6.75	0.454		2099 kg	
					Total: -	2099 kg	
11	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 (b) Bevelled edges & flange 21.5 mm (iii) 600 mmX 600 mm						
	O.T	1	26.25	18.75		492 Sft	
	LAB-STORE	1	12.5	18.75		234 Sft	
	LAB-STORE	1	12.5	18.75		234 Sft	
	O.T	1	19.5	18.75		366 Sft	
	labour Room	1	12.25	18.75		230 Sft	
					Total: -	1088 4556 Sft	
12	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	26.25	18.75		492 Sft	
	LAB-STORE	1	12.5	18.75		234 Sft	
	LAB-STORE	1	12.5	18.75		234 Sft	
	O.T	1	19.5	18.75		366 Sft	
	labour Room	1	12.25	18.75		230 Sft	

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Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
					Total: -	1089 1556 Sft
13	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 Channaei of size 3.5"x2"x3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer in-charge (b) 2.5mm thick					
	O.T	2	(26.25+	18.75)	12.00	1080 Sft
	LAB STORE	2	(12.5+	18.75)	12.00	750 Sft
	LAB STORE	2	(12.5+	18.75)	12.00	750 Sft
	O.T	2	(19.5+	18.75)	12.00	918 Sft
	labour Room	2	(12.25+	18.75)	12.00	744 Sft
					Total: -	2742 4242 Sft
14	Removing door with chowkat.					
	D-1					10 No.
	D-2					5 No.
	D-3					8 No.
	D-4					4 No.
	D-5					7 No.
					Total: -	34 No.
15	P/V 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ashi/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.					
	D-1	10	3.5	7		245 Sft
	D-2	5	2.5	7		88 Sft
	D-3	8	3	7		168 Sft
	D-4	4	4	7		112 Sft
	D-5	7	5	7		245 Sft
					Total: -	858 No.
16	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 (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/2" (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.					
	OT	2	5	8		80 Sft
	OPD	3	5	8		120 Sft
	wards	2	4	8		64 Sft
					Total: -	264 No.
17	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	1	30	7		210 Sft
		1	70	8		560 Sft
					Total: -	770 Sft
18	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 gables fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge					
	R/Side Building	1	2	50		100 Rft
	OT front	1	2	40		80 Rft
	Wards	1	2	50		100 Rft
	STAIR	3	2	35		210 Rft
					Total: -	490 Rft
19	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal autotomatic hydraulic operated door stopper (Concealed floor hinge.) embedded 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.					
20	Removing windows and sky lights with chowkat.					7 No

Sr. No.	ITEM OF WORK	No	MEASUREMENTS				Qty.
	w1'	210					210 No.
	w1	24					24 No.
	w2	64					64 No.
	w3	28					28 No.
	w5	35					35 No.
	front facing windows	32					32 No.
						Total: -	393 No.
21	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.						
	w1'	210	2.5	4			2100 Sft
	w1	24	4	7			672 Sft
	w2	64	3	4			768 Sft
	w3	28	3	5.5			462 Sft
	w5	35	6	7.5			1575 Sft
	front facing windows	32	4.5	7.5			1080 Sft
						Total: -	6657 Sft
22	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 Hardware as approved and directed by the engineer incharge complete in all respect.						
	1/2 qty above item	6657	2				3329 Sft
						Total: -	3329 Sft
23	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						
		106	8.875	7.5			6656 Sft
	Same Qty as Item No. 21						6657 Sft
						Total: -	13313 Sft
24	Pacca brick work in ground floor: cement sand mortar Ratio 1:4						
	for front windows (reduce size)	34	4.5	1.5	7.50		1721 Cft
						Total: -	1721 Cft
25	Removing cement or lime plaster.						
	opd R/s wall	1	48	15			720 Cft
	ward b/s wall	1	270	15			4050 Cft
						Total: -	4770 Cft
26	Cement plaster 1:4 upto 20' (6.00 mm) height: 1/2" (13 mm) thick						
		63	4.5	7.5			2295 Cft
		34	1.5	7.5			383 Cft
	opd R/s wall	1	48	15			720 Cft
	ward b/s wall	1	270	15			4050 Cft
						Total: -	7448 Cft
27	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						
	Double 100	100	8.875	7.5			6656 Sft
						Total: -	6656 Sft
28	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.						
	OPD Block						
	Door	25	2	3.5	8.5		1488 Sft
		10	2	3	8.5		510 Sft
		9	2	2.5	7		315 Sft
	F.F	10	2	3.5	8.5		595 Sft
		6	2	3	8.5		306 Sft
		6	2	2.5	7		210 Sft
	OT						
	Door	15	2	3.5	8.5		893 Sft
		8	2	3	8.5		408 Sft
		10	2	2.5	7		350 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	Wards Block					
	Door	19	2	3.5	7	931 Sft
		9	2	3	7	378 Sft
	ff	6	2	3	8.5	306 Sft
		6	2	2.5	7	210 Sft
		1	2	4	8.5	68 Sft
					Total: -	6968 Sft
29	Scraping Ordinary distemper, oil bound distemper, or paint of wall.					
	GROUND FLOOR (OPD)					
	STORE	2	(9.25+	15.5)	11.50	569 Sft
	STORE	2	(9+	15.5)	11.50	564 Sft
	FEMALE DR	2	(12.5+	15.5)	11.50	644 Sft
	CLERK	2	(9.33+	15.5)	11.50	571 Sft
	DR	2	(9.25+	15.5)	11.50	569 Sft
	DR	2	(10+	15.5)	11.50	587 Sft
	STORE	2	(9.25+	15.5)	11.50	569 Sft
	M.S OFFICE	2	(12.75+	15.5)	11.50	650 Sft
	HALL	2	(19.25+	15.5)	11.50	799 Sft
	ROOM	2	(15.75+	15.5)	11.50	719 Sft
	SHOBA TIB	2	(9.25+	15.5)	11.50	569 Sft
	TIB	2	(14+	15.5)	11.50	679 Sft
	EMERGENCY WARD	2	(15.75+	15.5)	6.00	375 Sft
	STORE	2	(15.75+	15.5)	11.50	719 Sft
	MEDICINE	2	(19+	15.5)	11.50	794 Sft
	STORE	2	(12.75+	15.5)	11.50	650 Sft
	COMP.	2	(9.5+	15.5)	11.50	575 Sft
	HAL	2	(9.5+	15.5)	11.50	575 Sft
	DISPENSARY	2	(19+	15.5)	11.50	794 Sft
	DISPENSARY	2	(9.25+	15.5)	11.50	569 Sft
	ROOM	2	(7+	9.25)	11.50	374 Sft
	ROOM	2	(7+	5.5)	11.50	288 Sft
	DENTAL	2	(12.5+	15.5)	11.50	644 Sft
	DENTAL	2	(9+	15.5)	11.50	564 Sft
	MALE DR	2	(9.5+	15.5)	11.50	575 Sft
		4	(19.25+	15.5)	11.50	1599 Sft
		2	(15.75+	15.5)	11.50	719 Sft
		2	(9.25+	15.5)	11.50	569 Sft
		2	(14+	15.5)	11.50	679 Sft
		4	(18+	15.5)	11.50	1541 Sft
	MALE EMERGENCY	2	(19.5+	15.5)	11.50	805 Sft
	FEMALE WARD	2	(15.75+	15.5)	11.50	719 Sft
	stair case	2	(9.25+	15.5)	11.50	569 Sft
	Gallery OPD	2	212		6.00	2544 Sft
	Gallery	2	55		6.00	660 Sft
	O.T BLOCK					
	DR. ROOM	2	(16+	18.75)	11.50	799 Sft
	LAB STORE	2	(12.5+	18.75)	11.50	719 Sft
	LAB STORE	2	(12.5+	18.75)	11.50	719 Sft
	LABOR ROOM	2	(12.5+	18.75)	11.50	719 Sft
	DUTY ROOM	2	(12.5+	18.75)	11.50	719 Sft
	WAITING HALL	2	(12.25+	18.75)	6.00	372 Sft
	LABOR ROOM	2	(12.25+	18.75)	11.50	713 Sft
	STERILIZATION	2	(9.25+	18.75)	11.50	644 Sft
	PRIVATE ROOM	2	(12.33+	18.75)	11.50	715 Sft
	STORE	2	(5.25+	18.75)	11.50	552 Sft
	LAB	2	(9.25+	18.75)	11.50	644 Sft
	WAITING HALL	2	(9+	18.75)	6.00	333 Sft
	LAB	2	(18.1+	12.25)	11.50	698 Sft
		2	(19+	18.75)	11.50	868 Sft
		2	(18+	18.75)	11.50	845 Sft
		2	(19+	18.75)	11.50	868 Sft
		2	(19+	18.75)	11.50	868 Sft
	stair case	2	(12.75+	18.75)	6.00	378 Sft
	Gallery OT	2	157		6.00	1884 Sft
	Gallery OT	2	153		6.00	1836 Sft
	Gallery OT	2	57		6.00	684 Sft
	Gallery	2	50		6.00	600 Sft
	WARDS G.F					


Sr. No.	ITEM OF WORK	No	MEAUSERMENTS			Qty.
			L	B	H	
	MALE WARD 1	2	(65+	20)	6.00	1020 Sft
	MALE WARD 2	2	(65+	20)	6.00	1020 Sft
	ROOM	2	(10.5+	8)	11.50	426 Sft
	ROOM	2	(10.5+	8)	11.50	426 Sft
	NURSING ROOM	2	(10.5+	16)	11.50	610 Sft
		2	(10.5+	15.5)	11.50	598 Sft
		4	(18+	15.5)	11.50	1541 Sft
		4	(15+	15.5)	11.50	1403 Sft
		2	(20+	15.5)	11.50	817 Sft
	T.B DATS	2	(10.5+	16)	11.50	610 Sft
	MASJID	2	(8+	15.5)	6.00	282 Sft
	STOR	2	(8+	4)	11.50	276 Sft
	ROOM	2	(10+	19)	11.50	667 Sft
	DENGUE WARD	2	(10.5+	19.25)	6.00	357 Sft
	STORE	2	(4.5+	9)	11.50	311 Sft
	ROOM	2	(10+	19)	11.50	667 Sft
		2	(15+	19)	11.50	782 Sft
		2	(12+	19)	11.50	713 Sft
	stair case	2	(10+	18)	6.00	336 Sft
	wfing area	2	(21+	18)	6.00	468 Sft
	NURSING ROOM	2	(10+	15.5)	11.50	587 Sft
	STORE	2	(10+	9.5)	11.50	449 Sft
	PRIVATE ROOM	2	(10.5+	15.5)	11.50	598 Sft
		4	(18+	15.5)	11.50	1541 Sft
		4	(15+	15.5)	11.50	1403 Sft
		2	(20+	15.5)	11.50	817 Sft
	ROOM	2	(7+	15.5)	11.50	518 Sft
	ROOM	2	(10+	19)	11.50	667 Sft
	STORE	2	(4.5+	9.5)	11.50	322 Sft
	DENGUE WARD	2	(10+	19.5)	6.00	354 Sft
	FEMALE WARD 1	2	(65+	20)	6.00	1020 Sft
	FEMALE WARD 2	2	(65+	20)	6.00	1020 Sft
	yellow Room	2	(18+	12)	11.50	690 Sft
	Red Room	2	(16+	12)	11.50	644 Sft
	Gallery WARDS	2	40		6.00	480 Sft
	Gallery WARDS	2	40		6.00	480 Sft
	Gallery WARDS	2	20		6.00	240 Sft
	Gallery WARDS	2	102		6.00	1224 Sft
	Gallery WARDS	2	58		6.00	696 Sft
	WARDS F.F					
	GAINI WARD	2	(15.25+	20)	6.00	423 Sft
	HEAT STROKE WARD	2	(15.25+	20)	6.00	423 Sft
	BAHALI KAMRA	2	(10.25+	11)	11.50	489 Sft
	STORE	2	(10.25+	7.33)	11.50	404 Sft
	PRIVATE ROOM	2	(10.25+	16.125)	11.50	607 Sft
	PRIVATE ROOM	2	(10.25+	16.125)	11.50	607 Sft
	ROOM	2	(7.125+	16.125)	11.50	535 Sft
	ROOM	2	(9.25+	16.125)	11.50	584 Sft
	ROOM	2	(10.33+	16.125)	11.50	608 Sft
	STORE	2	(9.25+	10)	11.50	443 Sft
	ROOM	2	(9.25+	16.125)	11.50	584 Sft
	FEMALE MEDICAL WARD	2	(65.25+	20)	6.00	1023 Sft
	FEMALE SURGICAL WARD	2	(65.25+	20)	6.00	1023 Sft
	CONGO ROOM	2	(10.125+	19)	11.50	670 Sft
		2	(4.5+	9.25	11.50	316 Sft
	DENGUE ROOM	2	(9.875+	19.875)	11.50	684 Sft
	DENGUE ROOM	2	(9.875+	19.875)	11.50	684 Sft
		2	(4.5+	9.25)	11.50	316 Sft
	stair case	2	(18+	16)	6.00	408 Sft
	CONGO ROOM	2	(10.25+	19)	11.5	673 Sft
		2	(15.33+	19)	11.5	790 Sft
	GALLERY	2	200		6	2400 Sft
	GALLERY	2	150		6	1800 Sft
	GALLERY	2	160		6	1920 Sft
	OPD F.F					
	HALL	2	(18.5+	15.5)	11.5	782 Sft
	PRIVATE ROOM	2	(13.5+	15.5)	11.5	667 Sft
	WAITING HALL	2	(19.25+	15.5)	6	417 Sft


Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
	STORE	2	(19.25+	15.5)	11.5	799 Sft
	HALL	2	(8+	9.5)	11.5	403 Sft
	FALAH MARKAZ	2	(19.5+	15.5)	11.5	805 Sft
	PRIVATE ROOM	2	(19.5+	15.5)	11.5	805 Sft
		2	(18+	15.5)	11.5	771 Sft
		2	(18+	15.5)	11.5	771 Sft
	HALL	2	(7.5+	15.5)	11.5	529 Sft
	KITCHEN	2	(13.5+	15.5)	11.5	667 Sft
	ROOM	2	(12.5+	15.5)	11.5	644 Sft
		2	(7.25+	15.52)	11.5	524 Sft
		2	(13.5+	15.5)	11.5	667 Sft
		2	(12.5+	15.5)	11.5	644 Sft
	WAITING ROOM	2	(19.5+	15.5)	6	420 Sft
	stair case	2	(18+	16)	6	408 Sft
	CONFERENCE HALL	2	(42+	15.5)	6	690 Sft
	GALLERY	2	120		6	1440 Sft
	GALLERY	2	120		6	1440 Sft
	under slab	1	9.25	15.5		143 Sft
		1	9	15.5		140 Sft
		1	12.5	15.5		194 Sft
		1	9.33	15.5		145 Sft
		1	9.25	15.5		143 Sft
		1	10	15.5		155 Sft
		1	9.25	15.5		143 Sft
		1	12.75	15.5		198 Sft
		1	19.25	15.5		298 Sft
		1	15.75	15.5		244 Sft
		1	9.25	15.5		143 Sft
		1	14	15.5		217 Sft
		1	15.75	15.5		244 Sft
		1	15.75	15.5		244 Sft
		1	19	15.5		295 Sft
		1	12.75	15.5		198 Sft
		1	9.5	15.5		147 Sft
		1	9.5	15.5		147 Sft
		1	19	15.5		295 Sft
		1	9.25	15.5		143 Sft
		1	7	9.25		65 Sft
		1	7	5.5		39 Sft
		1	12.5	15.5		194 Sft
		1	9	15.5		140 Sft
		1	9.5	15.5		147 Sft
		2	19.25	15.5		597 Sft
		1	15.75	15.5		244 Sft
		1	9.25	15.5		143 Sft
		1	14	15.5		217 Sft
		2	18	15.5		558 Sft
		1	19.5	15.5		302 Sft
		1	15.75	15.5		244 Sft
		1	9.25	15.5		143 Sft
		1	212	8		1696 Sft
		1	55	8		440 Sft
		1	16	18.75		300 Sft
		1	12.5	18.75		234 Sft
		1	12.5	18.75		234 Sft
		1	12.5	18.75		234 Sft
		1	12.5	18.75		234 Sft
		1	12.25	18.75		230 Sft
		1	12.25	18.75		230 Sft
		1	9.25	18.75		173 Sft
		1	12.33	18.75		231 Sft
		1	5.25	18.75		98 Sft
		1	9.25	18.75		173 Sft
		1	9	18.75		169 Sft
		1	18.1	12.25		222 Sft
		1	19	18.75		356 Sft
		1	18	18.75		338 Sft
		1	18	18.75		356 Sft

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Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
		1	19	18.75		356 Sft
		1	12.75	18.75		239 Sft
		1	157	8		1256 Sft
		1	153	8		1224 Sft
		1	57	8		456 Sft
		1	50	8		400 Sft
		1	65	20		1300 Sft
		1	65	20		1300 Sft
		1	10.5	8		84 Sft
		1	10.5	8		84 Sft
		1	10.5	16		168 Sft
		1	10.5	15.5		163 Sft
		2	18	15.5		558 Sft
		2	15	15.5		465 Sft
		2	20	15.5		620 Sft
		1	10.5	16		168 Sft
		1	8	15.5		124 Sft
		1	8	4		32 Sft
		1	10	19		190 Sft
		1	10.5	19.25		202 Sft
		1	4.5	9		41 Sft
		1	10	19		190 Sft
		1	15	19		285 Sft
		1	12	19		228 Sft
		1	10	18		180 Sft
		1	21	18		378 Sft
		1	10	15.5		155 Sft
		1	10	9.5		95 Sft
		1	10.5	15.5		163 Sft
		2	18	15.5		558 Sft
		2	15	15.5		465 Sft
		1	20	15.5		310 Sft
		1	7	15.5		109 Sft
		1	10	19		190 Sft
		1	4.5	9.5		43 Sft
		1	10	19.5		195 Sft
		1	65	20		1300 Sft
		1	65	20		1300 Sft
		1	18	12		216 Sft
		1	16	12		192 Sft
		1	40	8		320 Sft
		1	40	8		320 Sft
		1	20	8		160 Sft
		1	102	8		816 Sft
		1	58	8		464 Sft
		1	15.25	20		305 Sft
		1	15.25	20		305 Sft
		1	10.25	11		113 Sft
		1	10.25	7.33		75 Sft
		1	10.25	16.125		165 Sft
		1	10.25	16.125		165 Sft
		1	7.125	16.125		115 Sft
		1	9.25	16.125		149 Sft
		1	10.33	16.125		167 Sft
		1	9.25	10		93 Sft
		1	9.25	16.125		149 Sft
		1	65.25	20		1305 Sft
		1	65.25	20		1305 Sft
		1	10.125	19		192 Sft
		1	4.5	9.25		42 Sft
		1	9.875	19.875		196 Sft
		1	9.875	19.875		196 Sft
		1	4.5	9.25		42 Sft
		1	18	16		288 Sft
		1	10.25	19		195 Sft
		1	15.33	19		291 Sft
		1	200	8		1600 Sft
		1	150	8		1200 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
4	Tile Bats					
	Take 30% Qty as per Item No. 36	1	13924	30%	4177	Sft
		1	4177	0.125		522 Cft
5	steel	856	5	0.454		1749 kg


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 Buildings Division,
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ABSTRACT OF COST

CONSTRUCTION OF ROOM FOR FILTRATION PLANT

Sr No	Description	Amount
1	Construction of Room for Filtration Plant <u>3006523</u> <u>3469289</u>	<u>4042935</u>
2	Electric Installation	71784
3	Detail of Water Supply Network	1021085
	<u>4562158</u> G.Total :	<u>4099392</u> <u>5135806</u>
	Add 3% Contingency:	<u>136865</u> <u>154074</u>
	G.Total :	<u>4222200</u> <u>4699000</u>


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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	537.5	50525
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	356 664	P.Cft	537.5	191350 356900
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.	1087 2033	%Kg	31418.2	341516 638732
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
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	3429.85	5213


Sr No	Description	Qty	Unit	Rate	Amount
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 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	34	P.Sft	502.2	17075
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
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	Distemper new surface two coats with primary coat of chalk	1177	%Sft	1283.5	15107
26	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	%Sft	1925.45	29041
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	207.15	1657

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Sr No	Description	Qty	Unit	Rate	Amount
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		4042935

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Executive Engineer
Buildings Division
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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
	P.P	2	26.75	1.5	2	1033	Cft
		2	30.125	1.5	2	161	Cft
						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	0.333	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

S.#	Description	N	L	B	H	Qty	Unit
	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						
		12	25.25	29.375	0.417	648 309	Cft
		1	22.25	1.125	1	25	Cft
		1	6.5	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	664	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.					355 1087	
		255 664	6.75	0.4536		2033	Kg
11	Cement plaster 1:5 upto 20' height 1/2" 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 1/2" 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 1 1/2" 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 1 1/2"(40 mm) thick						

S.#	Description	N	L	B	H	Qty	Unit
		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 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering-and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.						
		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	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						
	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.						
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	5	1.5		8	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	20.25	7		142	Sft
		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 prelaidd 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 / Schneider, screws complete as approved and directed by the Engineer Incharge				
i	One way Gauge Switch Small 03 Gauge				
ii	Large 06 Gauge	2	Each	742.5	1485
4	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	3	Each	1162.5	3488
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	67.8	68
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 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.	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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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

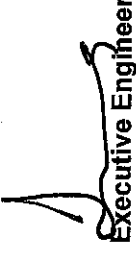
Unit: Each

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.	Each	Rs. 6775
2	6 - 63 amp T/P	2	No.	Each	Rs. 16866
4	11 - 20 amp S/P	2	Nos.	Each	Rs. 2597
5	6 - 10 amp S/P	5	Nos.	Each	Rs. 6493
7	LED Phase Indicator	3	Nos.	Each	Rs. 1539
8	Volt meter (0-600 Volt)	1	Nos.	Each	Rs. 753
9	Ampare meter (0-9999 Amp)	1	Nos.	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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DETAIL OF WATER SUPPLY NETWORK FOR FILTRATION PLANT

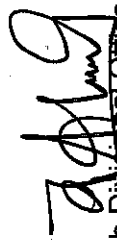
ABSTRACT OF COST


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 distribution 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 (¾")	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 theEngineer Incharge.	20				20	Nos.		
					Total	20	990	Each	19800
b	1/2" dia ---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	Total	1021085

**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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MINHAS SAFETY CONCERNS



Established since 1970

Ref. MS/Q-003-4815-Isb

Date: 04-08-2022

QUOTATION

Attn: Mr.Zeeshan
T H Q HOSPITAL
Pindigheb

GST NO
NTN NO. 07-02-8424-010-19
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 (DIA) 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: isb@minhasfiresafe.com

Web: www.minhasfiresafe.com

[Signature]
Sales Manager
Minhas Safety Concerns

[Signature]
Sales Manager
Minhas Safety Concerns

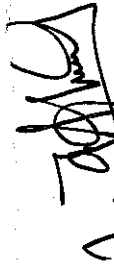
Add 11%
contractor profit
65892
7574016

655

THQ HOSPITAL PINDI GHEB
Provision/Installation of Electrical Equipment.

S.#	Description	Qty	Unit	Rate	Amount
A	L.T. (LV) SUB-STATION EQUIPMENT				
1	P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour. Front access, extendable insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN & E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accommodate given no of circuit components, instruments & accessories assembled & wired with Electroclitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights, thumbles, Copper Comb, Wiring, Neutral & Earth Bar, CTs, Contactors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally)				
	ATS Incoming from 400 KVA Transformers				
	a) 12.50 Ft deep				
	(b) 400 KVA				
	Incoming Breakers for ATS (Incoming from 400 KVA Transformers)	1	each	3491792.95	3491793
1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 600A(36 KA) (For Transformer and One for 30 KVA Generator)	2	each	62434	124868.6
1	Outgoing Breakers for ATS (Incoming from Transformer & 30 KVA Generator)				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 600A(36 KA)	1	each	62434	62434
2	P/F floor mounted Electric Panel board of required depth and size, fabricated with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thumbles, Copper Comb, Wiring, Neutral & Earth Bar, glands Current Transformers of specified capacity, Door Earthing, Brass glands bus bars, controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB (for ACs (OPD))				
	Incoming from Panel				
	i) LT Switchboards				
	a) 2.50 Ft deep				
	(b) 400A (3.0*56*2.5)	45	ctf	3438.4	154728
1	Incoming Breaker for Main DB (for ACs (OPD))				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL (with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge				
	(a) Triple Pole 400A(36 KA)	1	each	62434	62434
1	Outgoing Breakers for Main DB (for ACs (OPD))				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge				
	(a) Triple Pole 200A(36 KA)	4	each	39814	159257
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thumble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge. (Breakers will be Paid Separately).				
	Sub Main DB (for ACs)				
	Incoming from Main DB (for ACs)				
	(b) 12" deep				
	(b) 250A (3*48*12")	24	ctf	4512.8	108307
1	Incoming Breaker for Main DB (for ACs)				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge				
	(a) Triple Pole 250A(36 KA) (1*2+2)	2	each	39814	79629
1	Outgoing Breakers for Main DB (for ACs)				
	1 Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 63A(10 KA) (6*2=12)	12	each	8433	101200
	(b) Single Pole 32A(10 KA) (8*2=16)	16	each	1299.95	20799
	(c) Single Pole 20A(10 KA) (8*2=16)	16	each	1299.95	20799
2	P/F floor mounted Electric Panel board of required depth and size, fabricated with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thumbles, Copper Comb, Wiring, Neutral & Earth Bar, glands Current Transformers of specified capacity, Door Earthing, Brass glands bus bars, controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB (for Lighting (OPD))				
	Incoming from Panel				
	i) LT Switchboards				
	a) 2.50 Ft deep				
	(b) 250A (3*48*12")	12	ctf	4512.8	54153.6
1	Incoming Breaker for Main DB (for Lighting (OPD))				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL (with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 400A(36 KA)	1	each	62434	62434
1	Outgoing Breakers for Main DB (for Lighting (OPD))				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge				
	(a) Triple Pole 150A(36 KA)	4	each	18094	72377
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thumble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge. (Breakers will be Paid Separately).				
	Sub Main DB (for Lighting)				
	Incoming from Main DB (for Lighting)				
	(b) 12" deep				
	(b) 150A (3*48*12")	18	ctf	5146.4	92655
1	Incoming Breaker for Main DB (for Lighting)				
	1 Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge				
	(a) Triple Pole 150A(36 KA) (1*2+2)	2	each	18094	36189
1	Outgoing Breakers for Main DB (for Lighting)				
	1 Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Single Pole 32A(10 KA) (8*2=16)	20	each	1299.95	25999
	(b) Single Pole 20A(10 KA) (8*2=16)	20	each	1299.95	25999

S.#	Description	Qty	Unit	Rate	Amount
		20	each	1299.95	25999
(d) Single Pole 10A(10 KA) (8"2=16)					
B	LT POWER CABLE				
	Supply and erection of non armoured copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):-				
1	240 mm sq (610.0997) PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc (for Transformer)	250	rf	9,346.85	2336712.5
2	95 mm sq (370.0727) PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc	150	rf	3,676.95	551542.5
2	70 mm sq (610.0997) PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc (for Main DB for AC3)	200	rf	2,656.70	531340
3	35 mm sq (190.0647) PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc (for Main DB for AC3)	150	rf	1,706.25	255937.5
4	7/1.12 mm (776.0447) PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc (for AC3)	200	rf	160.75	32150
	TOTAL				8489717


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 Building Division
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OVER HEAD RESERVOIR

(10000 Gallon)

Sr. No	Description	No	L	B	H	Qty	Unit	Rate	Amount
1	Excavation in foundation of buildings bridges and other structured 1/c dag bellin, dressing, refilling affound structure with excavation earth watering, and ramming lend upto one chain and lift upto 5'.								
		1	18.00	18.00	6.00	1944	Cft		
					Total	1944	Cft	10677.75	20758
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio 1:4:8								
		1	18.00	18.00	0.33	107	Cft		
					Total	107	Sft	27431.70	29352
3	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 (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (Nominal mix 1:2:4)								
	Footing	1	17.50	17.50	1.00	306	Cft		
	Footing Beam	4	15.50	1.50	1.00	93	Cft		
	Brace Beam	4	15.50	1.00	1.25	78	Cft		
					Total	477	Cft	438.75	209284
4	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1: 1.5:3).								
a	Upto first brace 20' height (col)	4	1.25	1.25	16.00	100	Cft		
				Total		100	Cft	594.15	59415
	braces	4	12.00	1.00	1.25	60	Cft		
				Total		60	Cft	594.15	35649
b	2nd Brace to 3rd brace 20 to 30' height (col)	4	1.25	1.25	10.00	63	Cft		
				Total		63	Cft	632.25	39832
	braces	4	12.00	1.00	1.25	60	Cft		
				Total		60	Cft	632.25	37935
c	Upto 30' height (col)	4	1.25	1.25	10.00	63	Cft		
				Total		63	Cft	670.35	42232
	braces	4	12.00	1.00	1.25	60	Cft		
				Total		60	Cft	670.35	40221
d	Upto 40' height (col)	4	1.25	1.25	10.00	63	Cft		
	braces	4	12.00	1.00	1.25	60	Cft		
	Base Slab	1	16.75	16.75	0.66	185	Cft		
	Verticle Wall	2	13.50	0.67	9.75	176	Cft		
	Verticle Wall	2	14.83	0.67	9.75	194	Cft		
	Top	1	15.83	15.83	0.42	105	Cft		
	Beam	1	15.87	1.00	0.75	12	Cft		
				Total		795	Cft	708.45	563218
5	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and chairs, etc. 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)								
	Total Qty of Concrete		1678	8.00	0.4536	6089	Kg		
				Total		6089	Kgs	31418.20	1913054
6	Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4" high @ 5 1/2" c/c fixed in steps of stair I/C painting 3 coats complete.								
	4x2	8	16.00			128	Rft		
				Total		128	Rft	1062.45	135994
7	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and on projection	4	16.75			67	Rft		
	on top	4	13.75			55	Rft		
				Total		122	Rft	1588.20	193760
8	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.	1	13.50	13.50		182	Sft		

Cover Pipe	1	30.16		30.16	Rft			
Over Flow	1	70.00		70	Rft			
				Total	260.16	Rft	P.Rft	1564.95 407137
10 P/F Water level indication guage showing the water level in the bowl with string and pully fixed on-t top of verticle wall i/c writing etc. complete in all respect.								
				1	No.			
				Total	1	No.	Each	30000.00 30000
11 P/F 24" dia C.I Man hole cover on top of servitor with ring complete in all respect.								
				2	Nos.			
				Total	2	Nos.	Each	2051.15 4102
12 Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material) 4" dia.								
				2	Nos.			
				Total	2	Nos.	Each	18331.50 36663
13 Providing and applying weather shield paint of approved quality on external surface of building i/c preparation of surface application of primer complete in all respect 2 coats.								
	4	14.83	10.00	593	Sft			
	4	5.00	40.00	800	Sft			
braces	16	12.00	4.00	768	Sft			
bottomg of base slab	1	14.50	14.50	210	Sft			
Pardi	4	14.50	10.00	580	Sft			
				Total	2951	Sft	P%Sft	5245.30 154789
14 Pacca brick work 1:6 in foundation & plinth for plinth.								
	4	15.50	1.50	0.25	Cft			
	4	15.50	1.13	0.25	Cft			
	4	15.50	0.75	3.00	Cft			
				Total	180	Cft	%Cft	30137.00 54247
15 Filling watering ramming earth under floor lead upto 3 mile.								
	1	14.00	14.00	2.00	Cft			
				Total	392	Cft	%oCft	18484.85 7246
16 Supplying and filling sand under floor or plugging in well.								
	1	14.00	14.00	0.33	Cft			
				Total	65	Cft	%Cft	2583.30 1679
17 Providing, laying, watering and ramming brick ballast 1 1/2" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.								
	1	14.00	14.00	0.33	Cft			
				Total	65	Cft	%Cft	9464.40 6152
18 Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels: 2" thick								
	1	15.50	15.50	240	Sft			
				Total	240	Sft	%Sft	8827.60 21186
19 Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels 1-1/2"x3/8"								
	1	240.00	0.60	144	Rft			
				Total	240	Rft	P.Rft	19.80 4752
20 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, re-venting, handling, assembling and fixing, but excluding erection in position.								
	2	56.00	2.33	0.4536	Kg			
	60	1.50	2.33	0.4536	Kg			
				Total	213	Kg	%Kg	32501.1 69227
21 Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work three coat.								
	2	144.00	1.75	504	Sft			
	8	14.00	1.75	196	Sft			
				Total	700	Sft	%Sft	1805.25 12637
22 Providing and fixing bell mouth placed at time of costing of bottom slab.								
				4	Nos.			
				Total	4	Nos.	Each	5300 21200
							Total	4300282
							Say	4300000


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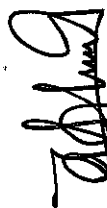

Executive Engineer
 Buildings Division


ANALYSIS OF RATE FOR WATER LEVEL INDICATION GAUGE METER ROD OR PLUM BOB COMPLETE WITH ERECTION

80

COMPLETE IN ALL RESPECT.

		Unit = Each
1 Water Level Indication Gauge		
2 Fixing at Site	1 No.	18200 Each 18200
3 Coolies	1 Job	2400 P. Job 2400
4 Foolding 40' Height.	0.5 Day	962 P. Day 481
	1 Job	4000 P. Job 4000
	Total: -	25081
	Add 20% Contractor Profit: -	5016
	Total: -	30097
	Say: -	30000



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ANALYSIS OF RATE FOR PROVIDING AND FIXING BELL MOUTH PLACED AT COSTING OF BOTTOM SLAB COMPLETE WITH ERECTION COMPLETE IN ALL RESPECT.

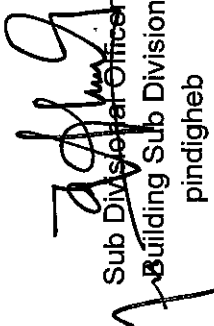
			Unit = Each
1 Cost Iron Bell Mouth / Wash Mouth 4" dia.	1 No.	3200 Each	3200
2 Carriage Charges (from Rawalpindi to Site of Work)	1 Job	700 P. Job	700
3 Fixing / Fastening Charges (In Roof Slab)	1 Job	500 P. Job	500
		Total: -	4400
		Add 20% Contractor Profit: -	880
		Total: -	5280
		Say: -	5300

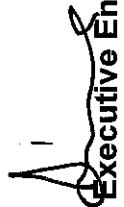

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CONSTRUCTION OF GATE AND GATE PILLARS

Sr. No.	Description	No.	L (ft)	B (ft)	H (ft)	Qty.	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) By Manual in ordinary soil.	3	4	4	4	192 Cft.	
						192 Cft.	
		@Rs.	10677.75	%Cft.			2050
2	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	3	4	4	0.5	24 Cft.	
						24 Cft.	
		@Rs.	21178.45	%Cft.			5083
3	Reinforced cement concrete except steel reinforcement (a) rafts / strip foundation, base slab of column etc Ratio (1:2:4) without cost of shuttering.	3	3	3	0.75	20 Cft.	
		3	2.25	2.25	13.75	209 Cft.	
						229 Cft.	
		@Rs.	438.75	PCft.			100474
4	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars (Grade-40)	1	229	6.75	0.4536	701 Kg	
	180 x 6.75 x 0.454	@Rs.	31418.20	%Kg			220242
5	Pucca brick work other than buildings upto 10' height, in cement sand mortar (1:4).	6	3	0.375	13.75	93 Cft.	
		6	2.25	0.375	13.75	70 Cft.	
						163 Cft.	
		@Rs.	32898.70	%Cft.			53625
6	Cement plaster (1:4) upto 20' height 1/2" thick.	2x6	12	3	11	396 Sft.	
						396 Sft.	
		@Rs.	3232.95	%Sft.			12802
7	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect new surface two coats.	2x6	12	3	11	396 Sft.	
						396 Sft.	
		@Rs.	5245.3	%Sft.			20771
8	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	1	16		10	160 Sft.	
		1	4		10	40 Sft.	
						200 Sft.	
		@Rs.	2373.2	P.Sft.			474640
9	Painting to door and windows any type on new surface 3 coats.	2	16		10	320 Sft.	
		2	4		10	80 Sft.	
						400 Sft.	
		@Rs.	2714.80	%Sft.			10859
							900546
							27016
							927562
							927600



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**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 3x244500	733500
2	external sewerage	5864600 / 5024900
	G.Total :	5758400 6598100


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EXTERNAL SEWERAGE

1	Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water in all types of soil except shingle, gravel and rock.				
	Sewerline 1.5' dia	1x1800x4x4	28800 Cft		
		Total :	28800 Cft		
	@ Rs 11740.40	%o Cft		Rs.	338124 /-
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.				
		1x1800x4x.5	3600 Cft		
		Total:-	3600 Cft		
	@ 9464.40	% Cft		Rs.	340718 /-
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				
			600 Rft		
		Total:-	600 Rft		
	@ 1181.80	P.Rft		Rs.	709080 /-
	380 mm (15") i/d				
			300 Rft		
		Total:-	300 Rft		
	@ 960.50	P.Rft		Rs.	288150 /-
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				
			900 Rft		
		Total:-	900 Rft		
	@ 695.60	P.Rft		Rs.	626040 /-
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)				
		1x700	700 Rft		
		Total:-	700 Rft		
	@ 871.55	P.Rft			
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)				
		1x1000	1000 Rft		
					610085

62508

@ 543.55 Each

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

total
115 Each

182390

@ 1586.00 Each

9 Provision man Hole size 2.5 x 2.5 (Detailed Attached)

40 Nos

Total : 40 Nos

. @ Rs 52400.00 Each

Rs. 2096000 /-

Total:

Rs. 5693745 /-

Add 3% contingency


170812


Total:

Rs. 5864557

Say:-

5864600 /-


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Analysis of Man hole size (3.5' x 3.5')

- 1 Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water in all types of soil except shingle, gravel and rock.

1x5.5x5x4	110 Cft	
	Total 110 Cft	
.@ Rs. 11740.40	% oCft	Rs 1291 /-

- 2 Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6:12

1x5.5x5x0.5	14 Cft	
	Total 14 Cft	
.@ Rs. 21178.45	% Cft	Rs 2965 /-

- 3 Pacca brick work 1:6 in C/S mtr other than building

2x5.5x0.75x4	33 Cft	
2x4x0.75x4	24 Cft	
	Total 57 Cft	
.@ Rs. 31221.85	% Cft	Rs 17796 /-

- 4 1/2" thick cement sand plaster on walls (1:4) up to 20' height.

1x2(4+3.5)4	60 Sft	
1x2(5.5+5)x0.75	16 Sft	
	Total 76 Sft	
.@ Rs. 3232.95	% Sft	Rs 2457 /-

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

1x4x3.5x0.25	4 Cft	
	Total 4 Cft	
.@ Rs. 36753.30	% Cft	Rs 1470 /-

- 6 Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast 3) This item shall not be applicable in situ, complete in all respects Type

1x5.5x5x0.5	14 Cft	
D/d 22x(1.87)2x5/2	-1 Cft	
	Total 13 Cft	
.@ Rs. 537.50	% Cft	Rs 6988 /-

- 7 Fabrication of mild steel reinforcement for cement concrete l/c cutting, bending, binding, laying and position deformed bars


13x6.75 x 0.454	40 Kg	
	Total 40 Kg	
.@ Rs. 31418.20	% Kg	Rs 12567 /-


- 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.

.@ Rs. 6847.00	Total Each	1 No	Rs 6847 /-
	Total:-	1 No	Rs 52381 /-
	Say:-	1 No	Rs 52400 /-

DETAILED OF SEPTIC TANK (15x7-1/2)

1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- (i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth										868	Cft	10191
		1	15.5	8	7								
		@ Rs.	11740.40	% oCft									
2	Cement concrete brick or stone ballast 1 1/2" to 2" in F/P ratio(1:6:12)												
		1	15.5	8	0.333						41	Cft	8683
		@ Rs.	21178.45	% Cft									
3	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 ratio 1:2:4.												
	Top Slab	1	15	7.5	0.5						56	Cft	
		@ Rs.	537.50	P.Cft									30100
4	Fabrication of mild steel reinforcement for cement concrete l/c cutting, bending, binding, laying and position deformed bars (Grade-40)												
		1	56	6.75	0.4536						171	Kg	
		@ Rs.	31418.20	% Kg									53725
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio 1:2:4												
		3	4	6	0.5						36	Cft	
		@ Rs.	36753.3	%Cft									13231
6	Pacca brick work other than building up to 10ft height in cement, sand morta (1:4).												
		2	15	0.75	7						158	Cft	
		2	6	0.75	7						63	Cft	
		2	6	0.75	6						54	Cft	
										Total:-	275	Cft	
		@ Rs.	32898.7	%Cft									90471
7	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height 1/2" (13 mm) thick												
		3	2	4	7						168	Sft	
		3	2	6	7						252	Sft	
										Total:-	420	Sft	
		@ Rs.	3780.7	%Sft									15879
8	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.												
											1	No.	
		@ Rs.	15088.1	Each									15088
										Total: -	237369		
										Add 3% contingency	7121		
										Total: -	244490		
										Say: -	244500		


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ANALYSIS FOR CONSTRUCTION OF RECEPTION COUNTER BRICK MASONRY
STRUCTURE 3.5' HEIGHT FROM GROUND LEVEL CONSISTING OF MARBLE GRENITE
AND KITCHEN CABINET 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

8403

2 Cement plaster 1:4 upto 20' (6.00 m) height 1/2" (13 mm) thick
@ Rs. 32320.85 %Cft

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

@ Rs. 3232.95 %Sft

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

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

@ Rs. 1308.85 P. Sft

1	7.75	2.5	19 Sft
Total:-			19 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.

@ Rs. 1174.2 P. Sft

3	3.5	11 Sft
		11 Sft
Total:-		

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

@ Rs. 640 P. Sft

1	8.5	2	0.25	4 Cft
Total:-				4 Cft

2150

@ Rs. 537.5 P. 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.

4	6.75	0.454	12 Kg
Total:-			12 Kg

3770


@ Rs. 31418.2 %kg


Total:- 144229

Total:- 144229

Rate P.Sft:- 6170.225

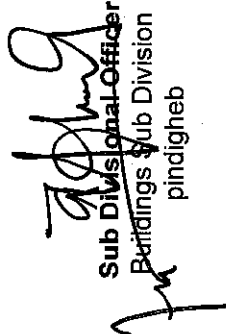
Say:- 6170

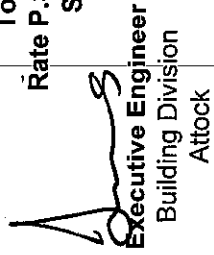

Sub-Divisional Officer
Building Sub Division
pindigheb


Executive Engineer
Building Division
Attock

ANALYSIS FOR CONSTRUCTION OF RECEPTION COUNTER BRICK MASONRY
STRUCTURE 3.5' HEIGHT FROM GROUND LEVEL CONSISTING OF MARBLE GRENITE
AND KITCHEN CABINET 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
2 Cement plaster 1:4 upto 20' (6.00 m) height 1/2" (13 mm) thick				
@ Rs. 32320.85 %Cft				
2	8.5	3.5		60 Sft
2	2.75	2.5		14 Sft
Total: -				74 Sft
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				
@ Rs. 3232.95 %Sft				
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
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				
@ Rs. 1308.85 P' Sft				
1	7.75	2.5		19 Sft
Total: -				19 Sft
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.				
@ Rs. 1174.2 P. Sft				
3	3.5			11 Sft
Total: -				11 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 1: 2: 4 ratio				
@ Rs. 640 P. Sft				
1	8.5	2	0.25	4 Cft
Total: -				4 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.				
@ Rs. 537.5 P. Cft				
4	6.75	0.454		12 Kg
Total: -				12 Kg
@ Rs. 31418.2 %kg				
Total: -				3770
Total: -				144229
Total: -				144229
Rate P.Sft: -				6170.225
Say: -				6170


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ANALYSIS OF RATE


P/F False ceiling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.

1st July 2021 to 31st Dec 2021

Unit Rate P.Sft

Sr. No	Detail	Qty	Unit	Rate	Amount
A	MATERIAL				
1	DAMPA False ceiling 2'x2' 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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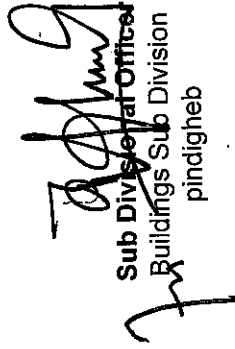
**ANALYSIS RATE FOR P/F OF ANTISTATIC ANTIBACTERIAL VINYL FLOORING WITH
FIXATION ON FLOOR I/C CARRIAGE OF MATERIAL FROM MARKET TO SITE OF WORK
COMPLETE IN ALL RESPECT AS APPROVED/ DIRECTED BY THE ENGINEER INCHARGE**

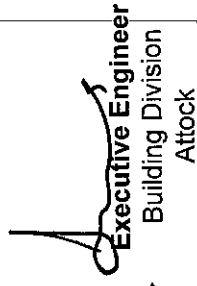
Area: 10x10= 100 Sft

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	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
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Buildings Sub Division
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Executive Engineer
Building Division
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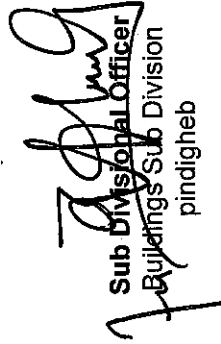
S/E of PVC Antibacterial wall cladding (bio code uk) back stature GI from 18 Gauge 12mm thick gypsum board will be fixed on wall to apply 2mm thick antimicrobial wall oven 14 to 16mm thickness joint will be heat welded in same colour (as specified in quotation) as approved and directed by Engineer Incharge.

Area: 10x10= 100 Sft

Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft		AMOUNT
		Quantity	Rate Per Unit	
1	Cost of PVC Antibacterial wall cladding (bio code uk) back stature GI from 18 Gauge 12mm thick gypsum board will be fixed on wall to apply 2mm thick antimicrobial wall oven 14 to 16mm thickness joint will be heat welded in same colour (as specified in quotation) as approved and directed by Engineer Incharge.	1	No	
	Total:	1	No	Rs. 1490
		TOTAL		Rs. 1490
		Add 20% Contractor Profit		Rs. 298
		TOTAL		Rs. 1788

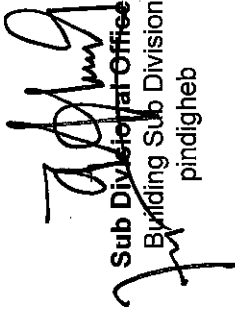
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK

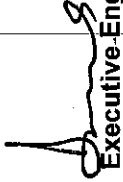

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ANALYSIS OF RATE FOR P/F OF UPVC full solid door with (skypen profile 60mm frame) 2.2 gauge i/c imported handle locks rubber gas kit imported double tape complete in all respect as approved and directed by Engineer incharge.

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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 Building Sub Division
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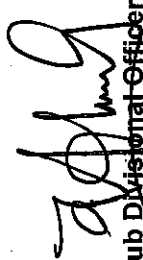
Analysis of rates


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
Total					540
Add 20% contractor profit					108
Total "A"					648
Say Rs.					640

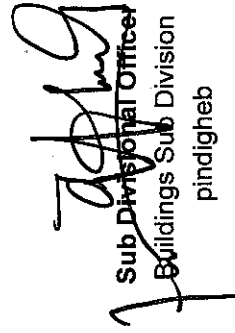

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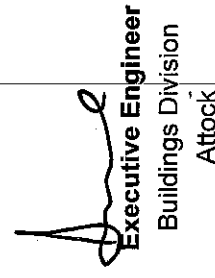

Executive Engineer
Building Division
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RATE ANALYSIS FOR PROVIDING AND LAYING OF NATURAL STONE TILE GOLDEN COLOUR 4"x2" SIZE WITH LAZER CUTTER HAVING RECTANGLE SHAPE 3/8 TO 1/2" THICK LAID IN CLASSICAL PATTERN BY PROVIDING 3/8" WIDE GROOVE ON HORIZONTALLY 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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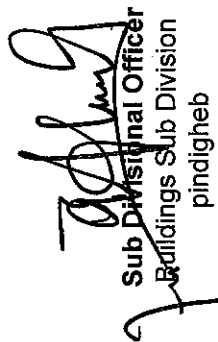

Executive Engineer
Buildings Division
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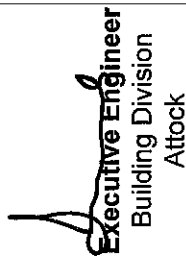
ANALYSIS OF THE RATE FOR P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as per instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc..

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						


Sub Divisional Officer
Buildings Sub Division
pindigheb


Executive Engineer
Building Division
Attock


97


**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.Sft		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.				
		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,
pindigheb


Executive Engineer
Buildings Division,
Attock


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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

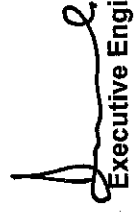
Area: 10x10= 100 Sft

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	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					

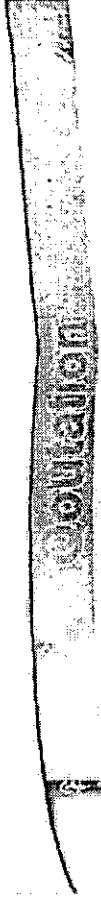
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Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT
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Building Division
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MarFlex
PLASTIC INDUSTRY

THE SOLUTION TO YOUR SPACES



Mr. Zeeshan
ProjectHQ Hospital

Date: 2-07-2022

Sl	Product Specifications	Unit of Measurement	Unit Price	Quantity	Total Amount
1	Marflex Pvc Antibacterial Wall Garding Approved By (BICOODE UK) Back surface 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. Joint will be hand welded in same color. wall sheet	sqft	1490		
2	Lead Sheet Paneling In cheater 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					

[Signature]
Sub-Manager, Office
Buildings Sub-Division

[Signature]
Building Division
ATTACK

Terms & Conditions

- 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.

Shahid Malik
Director Sales &
Marketing
03114431189

MANFLEX PLASTIC INDUSTRY

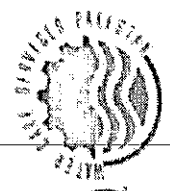
Partner

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

[Signature]
Sub Divisional Officer
Buildings Sub Division

[Signature]
Executive Engineer
Building Division
Attock

WCSP 2022

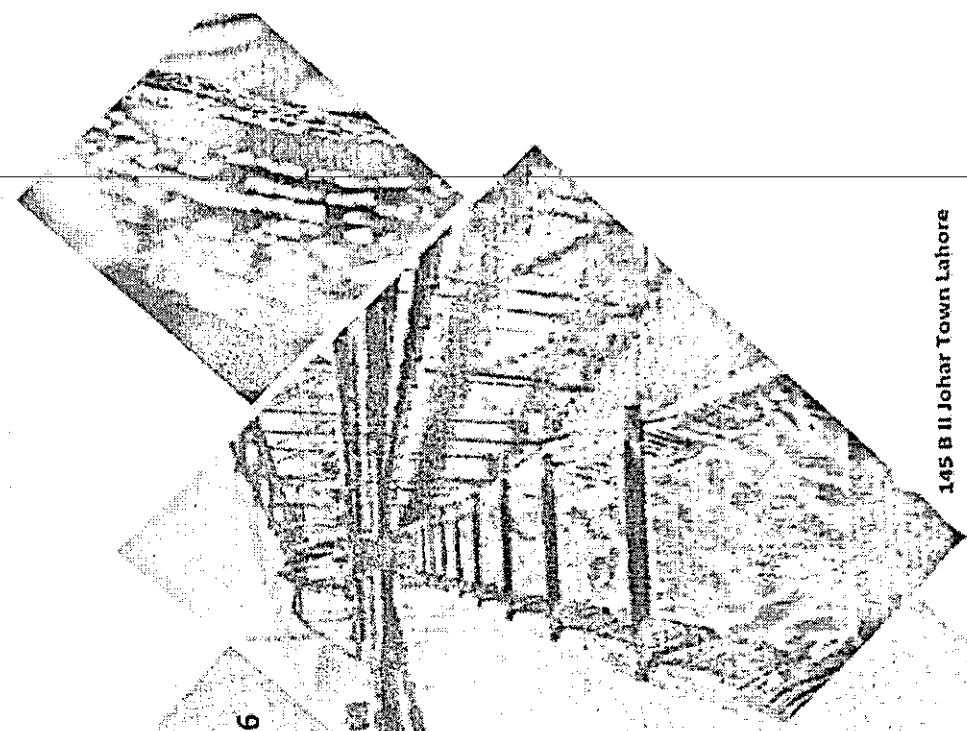


WATER CARE SERVICES PAKISTAN (WCSP)

Quotation Document

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

NTN# 3019442-3



145 B II Johar Town Lahore

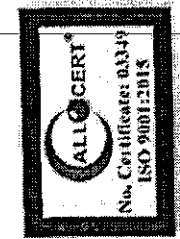
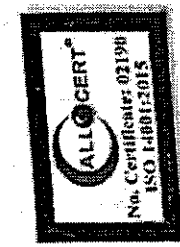
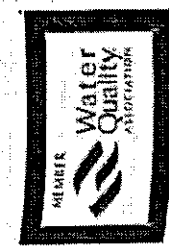
www.watercareservices.com

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Executive Director
Bidding Division
ATTACH

WCSP 2022

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	GNW
Date:	16-08-2022
Submitted by:	Abdul A. Khurram (03214105491)



www.watercalcservices.org

I Contents	
Introduction.....	
Scope of Work	
P&ID and PFD	
Design Basic	
Electro-Mechanical Equipment's	4
Commercial	5
Payment Terms	6
Tasks at Client End	8
Warranty/ Guarantee	9
Warranty Details	10
Additional Benefits	10
Business Terms Agreement	11
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WCSP 2022

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, uninterrupted & long-life. For more details please logon to

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 PFD

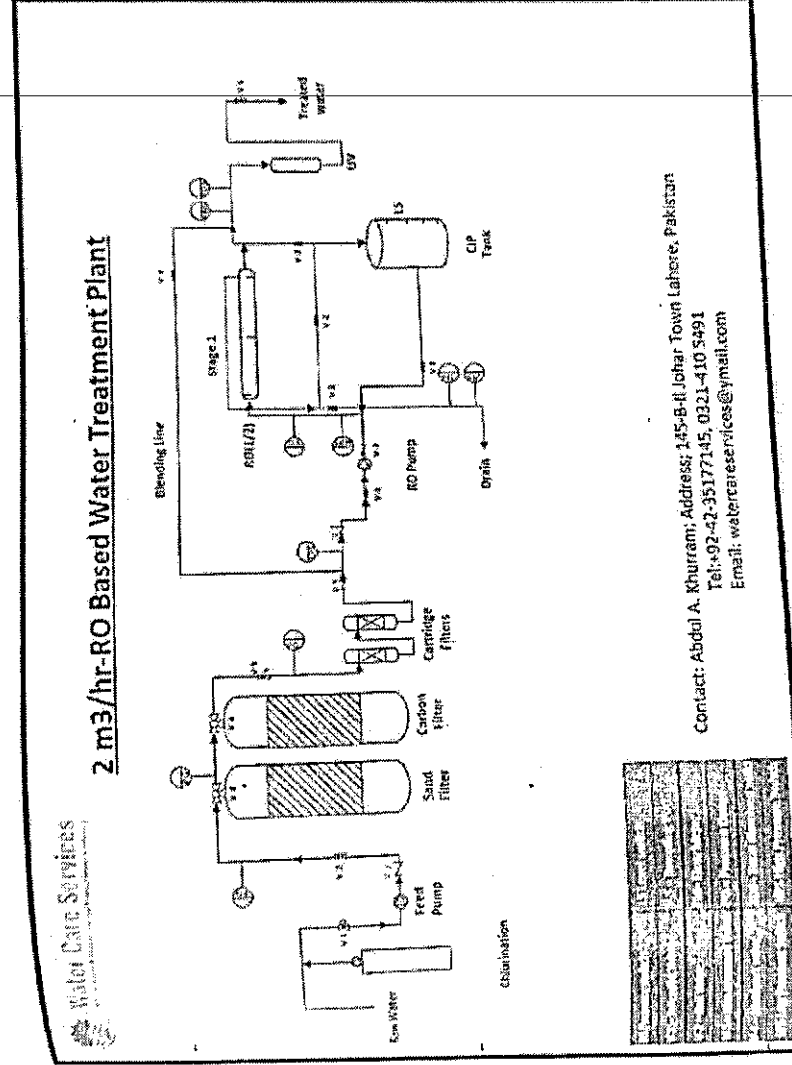
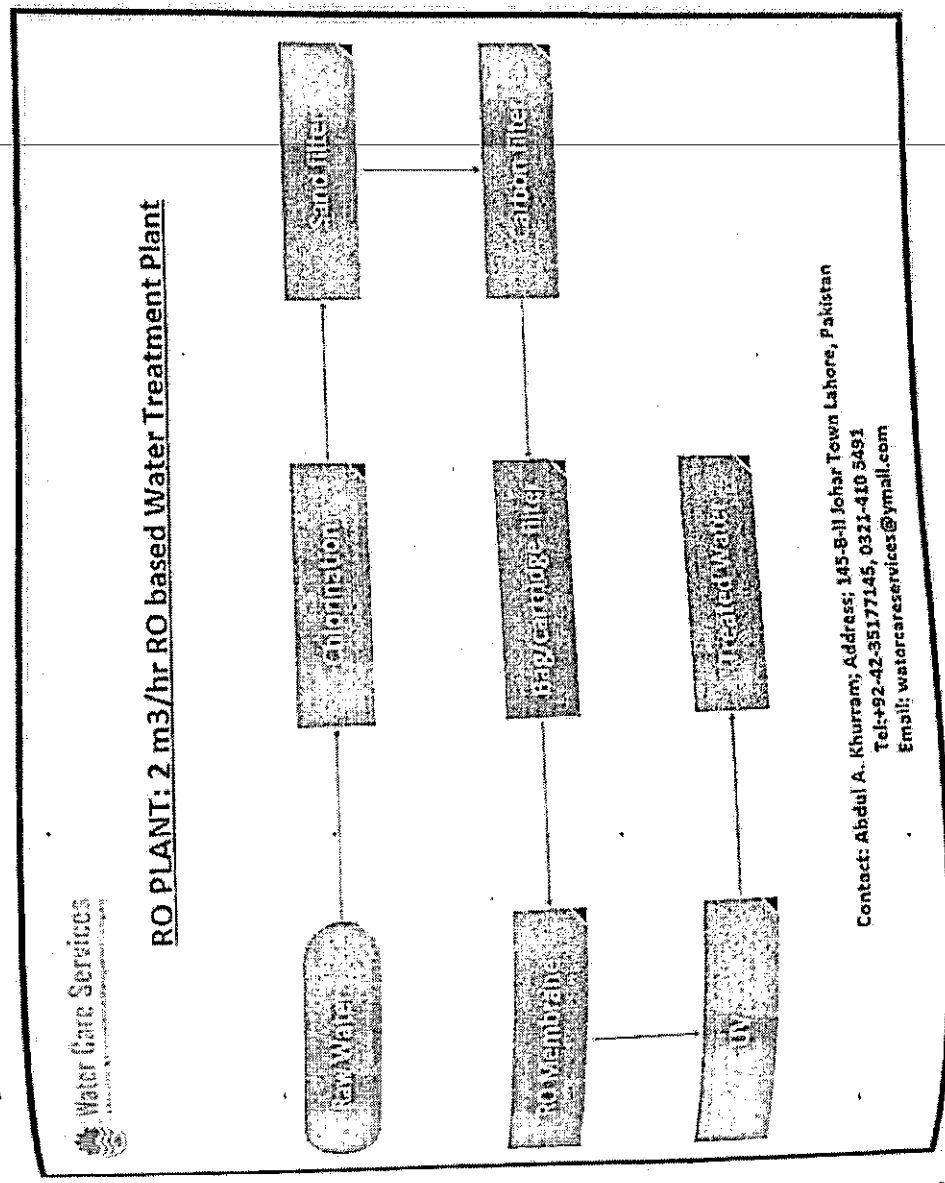


Figure 1: PFD for RO



Design Basic

Sr. No.	Parameter	Unit	Value
1	Feed Flow	m ³ /Hr.	4
2	Inlet TDS	mg/l	500
3	Final TDS	mg/l	<20
5	Product Flow	m ³ /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	Eaton	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	SHLLJ	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	Eaton	5 - 7 Liter/h , 7 bar, 80 L
17	Solenoid Valves	3		1"
18	Electrical Panel	1		<ul style="list-style-type: none">Panel BoxMagnetic Connector with OverloadEmergency 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	HIDPE 500 Gallon
21	UV Lamp	1	Philips / Equivalent	SS, 55 W, 55 W
22	CIP System	1		Manual ports with 80 L Tank

WCSP 2022

Commercial

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

Total = 12,53,500

Add 17% GST = 2,13,095

Total 14,66,595

Additional:

Add 11% Cont. Rate = 1,60,448

Total 16,27,043

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

[Signature]
Sub Division Office
Buildings Sub Division

[Signature]
Building Division
ATTACK

www.watertreatment.org

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

1/2

Warranty/ Guarantee

WCSP 2022

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

www.watercareservices.org

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8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010075
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:LO22010075
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

10. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	67.000	24.842	1.681	1.613	3.235	6.914	105.285
Utilization	34.673	24.591	1.644	1.325	3.168	0.502	65.904

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

Impact of Delays on Project Cost and Viability

Delay in the implementation of the project will lead to increase in cost and increase financial burden on the Government and general population of Punjab. Since the project is one of the major needs and a long awaited desire of the community, therefore, Government of the Punjab

contemplated plan for early execution of Revamping of Emergency Units. The delay will not only deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

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:

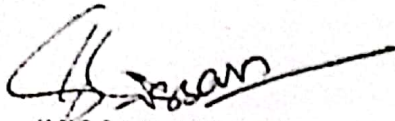
Tel. No.:042-99231206

Fax No:

Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

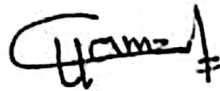
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(Oct-2022)

Approved By:



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(Oct-2022)



