PC-1

Revamping of THQ Hospital, Kot Sultan District Layyah.

ORIGINAL APPROVED COST	**PKR Million. 329.144/-**
ORIGINAL APPROVED GESTATION	**83 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Kot Sultan District Layyah.

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. LAYYAH

2.2. TEHSIL(S)

I. LAYYAH

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5248
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

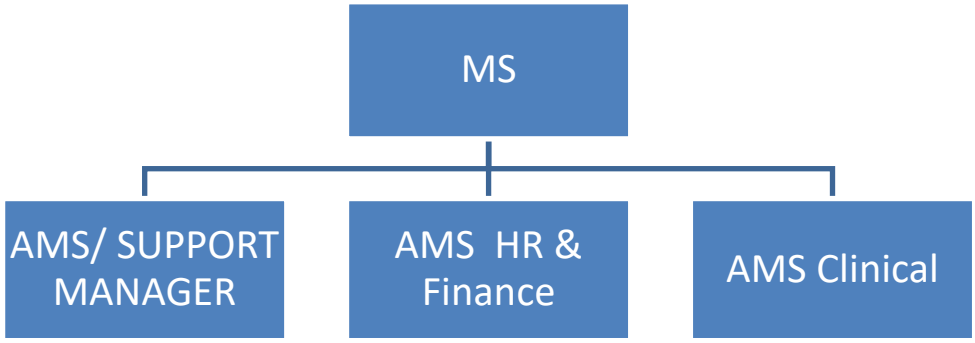
5.4.5 Security

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

5.6 HR & Management Interventions Structure

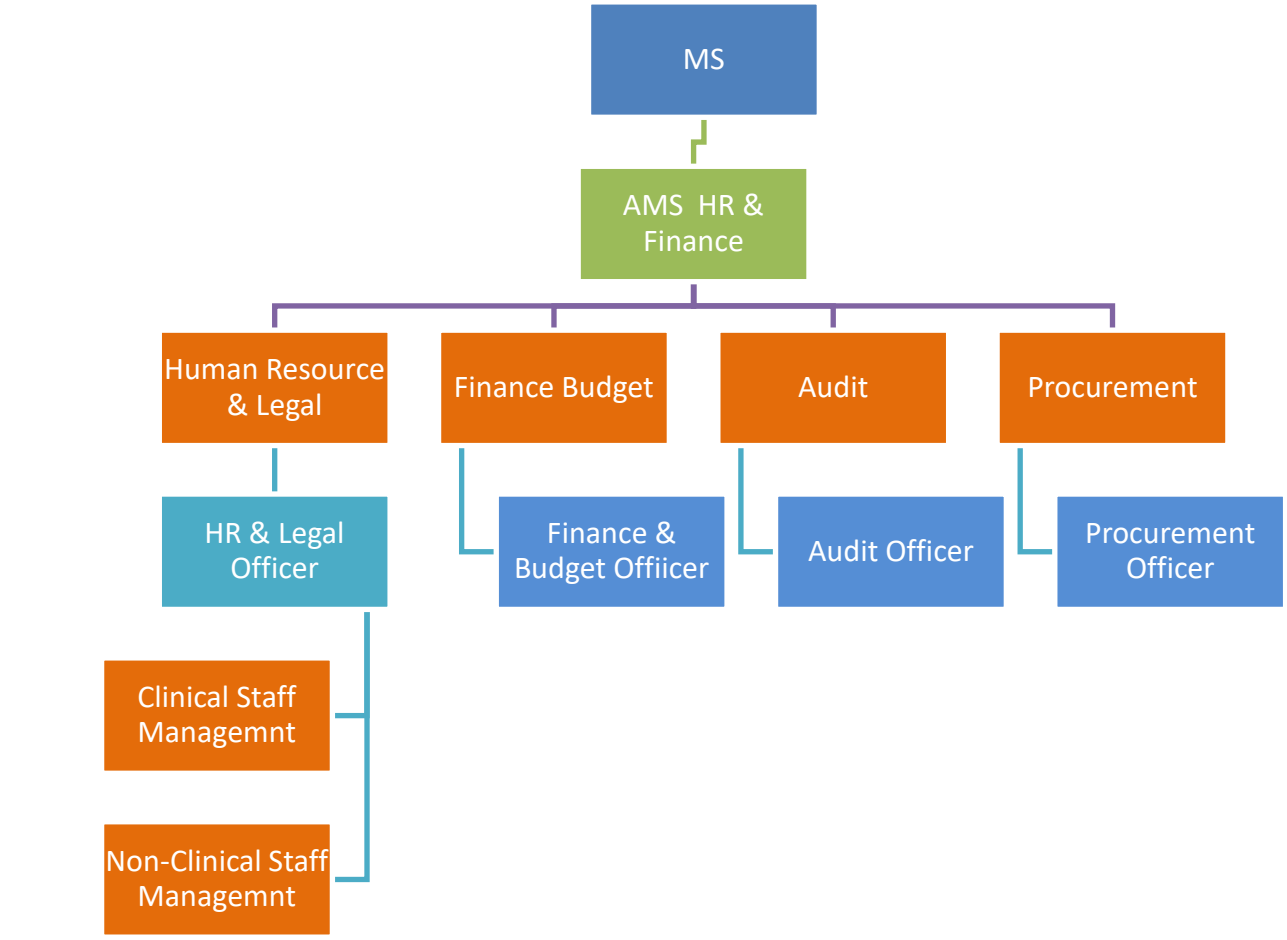
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

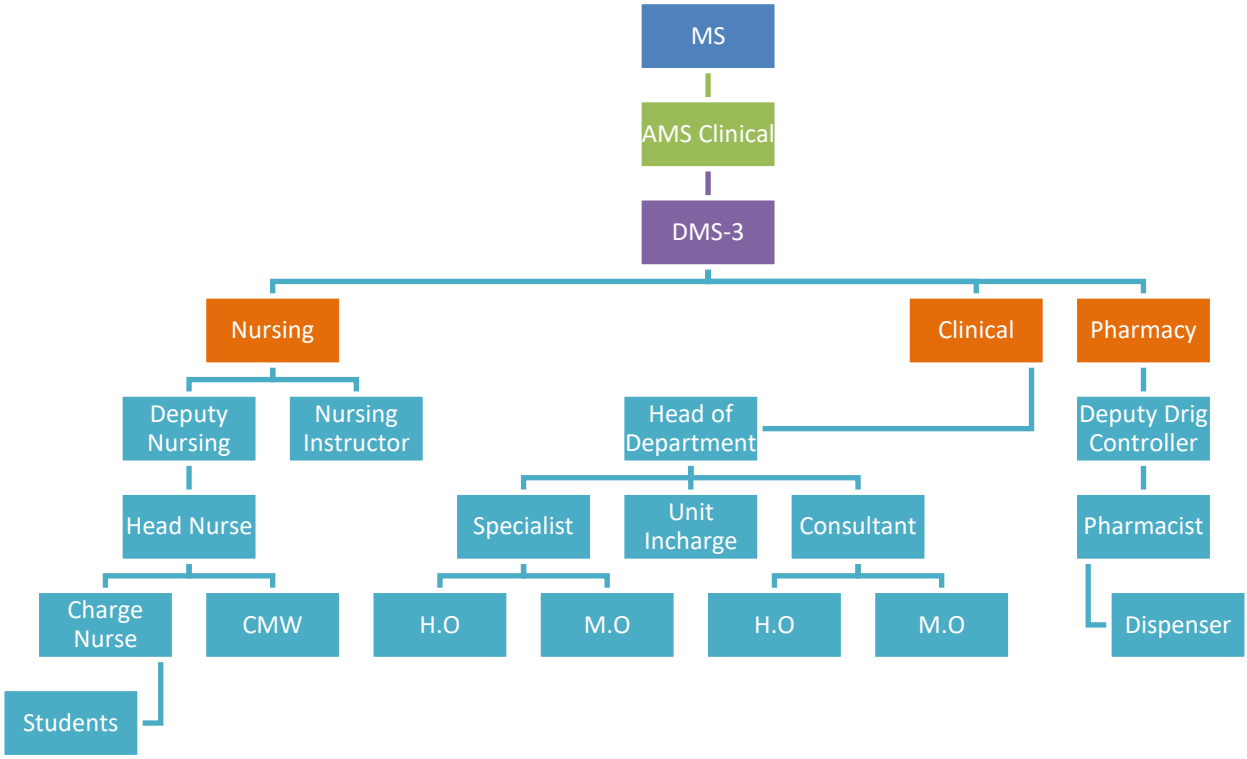
New Organogram of Hospital



MS

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


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


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

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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

   OR

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

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

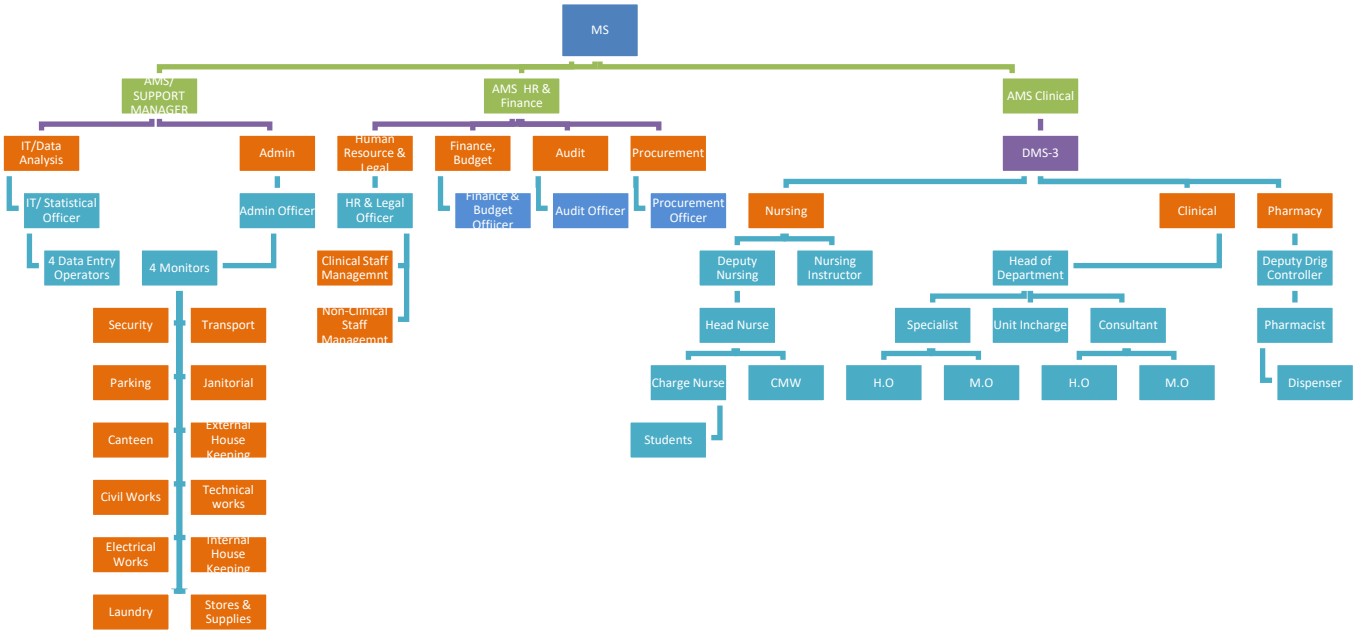
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of area of Kot Sultan District Layyah is more than 0.379 million. The area of the THQ Level Hospital Kot Sultan District Layyah is 129,793 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 Hospital Kot Sultan District Layyah

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

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

established by P& SH Department. Prior to initiation of this exercise standardization of required facilities was done by committee of experts in P & SH Department and on the basis of it, gaps were identified which would be covered under this PC-I.

Justification for 3rd Revision of PC-I

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

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

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

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

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

4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 45.918 million to Rs. 44.940 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17010572
A/C To be Credited:SDA

PKR Million

Sr #	Object Code	2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	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	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	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**	**0.000**	**0.000**

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

Grant Number: Development - (PC22036)
LO NO:LO22010083
A/C To be Credited: Assan Assignment

PKR Million

Sr #	Object Code	2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	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	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	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**	**0.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010048
A/C To be Credited: Account-I

PKR Million

Sr #	**Object Code**	**2018-2019**		**2019-2020**		**2020-2021**		**2021-2022**		**2022-2023**		**2023-2024**		**2024-2025**	
		Local	**Foreign**	**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	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	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**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	THQ KOT SULTAN											
Scope of work	Cost in million											
	Original			1st Revised			2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal Development	0.000	17.579	17.579	0.000	17.579	17.579	27.777	5.000	32.777	28.410	5.000	33.410
External Development	0.000	2.413	2.413	0.000	2.413	2.413	16.441	0.000	16.441	13.922	0.000	13.922
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	1.700	0.000	1.700	2.608	0.000	2.608
Total Capital Component	**0.000**	**25.592**	**25.592**	**0.000**	**25.592**	**25.592**	**45.918**	**5.000**	**50.918**	**44.940**	**5.000**	**49.940**
Emergency	0.000	20.028	20.028	0.000	20.028	20.028	0.000	27.386	27.386	0.000	46.506	46.506
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	48.678	48.678	0.000	48.678	48.678	0.000	64.425	64.425	0.000	93.657	93.657
Electricity	0.000	14.856	14.856	0.000	14.856	14.856	0.000	18.377	18.377	0.000	22.877	22.877
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.124	3.124	0.000	3.124	3.124	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	38.630	38.630	0.000	55.631	55.631
LC Deficit during procurement (currency fluctuation)							0.000	2.268	2.268	0.000	2.268	2.268
Total Revenue component	**0.000**	**142.170**	**142.170**	**0.000**	**142.170**	**142.170**	**0.000**	**196.829**	**196.829**	**0.000**	**279.156**	**279.156**
Outsourcing component												
Janitorial Services	0.000	10.943	10.943	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.595	5.595	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.670	1.670	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.685	3.685	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	1.825	1.825	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	**0.000**	**34.165**	**34.165**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**
Total	**0.000**	**201.928**	**201.928**	**0.000**	**167.811**	**167.811**	**45.918**	**201.877**	**247.795**	**44.940**	**284.204**	**329.144**
Contingency (1%) only on Civil Component	0.000	0.256	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	0.000	4.039	4.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**206.222**	**206.222**	**0.000**	**167.811**	**167.811**	**45.918**	**201.877**	**247.795**	**44.940**	**284.204**	**329.144**

Emergency Equipment

			Original				1st Revised			2nd Revised			3rd Revised		
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-		99,750	-		99,750	-		99,750	-
2		Chairs	0		26,775	-		26,775	-		26,775	-		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	800,000	4,000,000
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 paeds &adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
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	300,000	600,000
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	600,000	1,200,000
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	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	2,500,000
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	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-		420,000	-		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-		259,350	-		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-		125,265	-		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-		420,000	-		-	-		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-		237,618	-		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-		302,605	-		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-		104,000	-		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-		301,665	-		550,000	-		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-		169,785	-		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-		15,750	-		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-		3,150	-		4,000	-		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-		5,250	-		8,000	-		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	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
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	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000

Emergency Equipment

			Original				1st Revised			2nd Revised			3rd Revised		
Sr. No	Area	ITEM DESCRIPTION	Yard Stick	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.)
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		ambo bag paeds with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52	**Generalized**	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				**20,027,695**			**20,027,695**			**27,386,235**			**46,506,200**
						20.028			20.028			27.386			46.506

MSDS

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

MSDS

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

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1		Semi Auto Clinical Chemistry Analyzer	1	0	1	449,295	449,295	0	1	449,295	449,295	0	1	550,000	550,000	0	1	550,000	550,000
2		Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3		Electrolyte Analyzer	1	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	3	0	132,825	-	3	0	132,825	-	3	0	180,000	-	3	0	250,000	-
6	Laboratory	Water Bath	1	1	0	60,000	-	1	0	60,000	-	1	0	157,500	-	1	0	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	450,000	450,000
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,500	364,500	1	9	45,000	405,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	400,000	400,000
12		Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15	X-Rays	Dental X-Ray	0	1	0	282,975	-	1	0	282,975	-	1	0	350,000	-	1	0	525,000	-
16		Lead apron and PPE	2	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	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-	1	0	150,000	-
19		Lead Walls	0	1	0	525,000	-	1	0	525,000	-	1	0	525,000	-	1	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	1	0	1,371,331	-	1	0	1,500,000	-	1	0	2,400,000	-
21		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	5,500,000	5,500,000
22		ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25	CCU	ECG Machine Three Channel	2	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
29		Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30	Blood Bank	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34		Baby Cot	10	0	10	14,669	146,685	0	10	14,669	146,685	0	10	16,000	160,000	0	10	16,000	160,000
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	850,000	1,700,000
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	1,050,000	2,100,000
37	Nursery	Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	225,000	1,350,000
38		Infant Incubator	2	0	2	858,932	1,717,864	0	2	858,932	1,717,864	0	2	900,000	1,800,000	0	2	1,750,000	3,500,000
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	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	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	1	1,200,000	1,200,000
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		Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45		Operation Table	1	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,500,000	-
46	O.T (04)	Ceiling Operating Light	1	1	0	413,013	-	1	0	413,013	-	1	0	800,000	-	1	0	950,000	-
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	0	3,465,000	-	1	0	4,000,000	-	1	0	7,800,000	-
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	1	1	244,733	244,733	1	1	244,733	244,733	1	1	400,000	400,000	1	1	600,000	600,000
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	23,000	92,000

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
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	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,500,000	-	1	0	2,400,000	-
58		Autoclave	1	1	0	441,000	-	1	0	441,000	-	1	0	550,000	-	1	0	850,000	-
59		Delivery Set	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,000	360,000	1	9	65,000	585,000
60		Delivery Table	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	55,000	55,000
61		BED SIDE PATIENT MONITOR	2	1	1	294,000	294,000	1	1	294,000	294,000	1	1	550,000	550,000	1	1	1,200,000	1,200,000
62		D & C Set	2	1	1	34,650	34,650	1	1	34,650	34,650	1	1	40,000	40,000	1	1	60,000	60,000
63	Gynea (20 beds)	Vaccume Extractor	1	1	0	259,350	-	1	0	259,350	-	1	0	300,000	-	1	0	350,000	-
64		CTG Machine	1	0	1	628,049	628,049	0	1	628,049	628,049	0	1	725,000	725,000	0	1	900,000	900,000
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	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	900,000	900,000
67		Baby Cot	2	1	1	14,669	14,669	1	1	14,669	14,669	1	1	16,000	16,000	1	1	16,000	16,000
68		Delivery trolly	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	200,000	-
70		Steam Sterilizer	0	1	0	3,355,849	-	1	0	3,355,849	-	1	0	4,000,000	-	1	0	7,800,000	-
71		Operation Table	0	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,500,000	-
72	Surgical Emergency (10 beds)	MOBILE OPERATING LIGHT	0	0	0	285,466	-	0	0	285,466	-	0	0	400,000	-	0	0	900,000	-
73		Suction Pump	0	1	0	259,350	-	1	0	259,350	-	1	0	275,000	-	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-
75		Set of Surgical Instruments	0	1	0	141,750	-	1	0	141,750	-	1	0	160,000	-	1	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	1	4	237,618	950,473	1	4	237,618	950,473	1	4	400,000	1,600,000	1	4	600,000	2,400,000
80		BP Appratus	15	1	14	15,750	220,500	1	14	15,750	220,500	1	14	16,000	224,000	1	14	16,000	224,000
81	Others	Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	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		Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94	ICU	Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
103	**MORTUERY**	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000
104	**Dental Unit**	Dental Unit	2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
131	**Beds**	Fowler beds with Mattress	40	0	40	70,000	2,800,000	0	40	70,000	2,800,000	0	40	110,000	4,400,000	0	40	150,000	6,000,000
		Total					**48,677,716**				**48,677,716**				**64,424,820**				**93,657,388**
							48.678				**48.678**				**64.425**				**93.657**

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**Item Name**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	1	1,200,000	1,200,000
2	Transformers (100 KVA)	0	450,000	-	0	450,000	-	0	800,000	-	0	800,000	-
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
5	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	1	4,500,000	4,500,000
6	2 Ton air conditioners (split)	7	55,500	388,500	7	55,500	388,500	7	55,500	388,500	7	55,500	388,500
7	2 Ton air conditioners (Cabinet)	37	78,000	2,886,000	37	78,000	2,886,000	37	78,000	2,886,000	37	78,000	2,886,000
8	4 Ton air conditioners (Cabinet)	13	120,000	1,560,000	13	120,000	1,560,000	13	120,000	1,560,000	13	120,000	1,560,000
9	Ceiling Fans 56"	25	3,090	77,250	25	3,090	77,250	25	3,090	77,250	25	3,090	77,250
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
12	Dual Connection of Electricity / Express Line	1	5,078,330	5,078,330	1	5,078,330	5,078,330	1	8,000,000	8,000,000	1	8,000,000	8,000,000
	Total			**14,855,520**			**14,855,520**			**18,377,190**			**22,877,190**
				14.856			**14.856**			**18.377**			**22.877**

IT & QMS & Surveillance

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

Furniture and Fixtures

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

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	10,221	61,326	6	10,221	61,326	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,350	56,100	6	9,350	56,100	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	113,632	113,632	1	113,632	113,632	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,600	146,000	10	14,600	146,000	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,722	22,722	1	22,722	22,722	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	30,463	30,463	1	30,463	30,463	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	37,619	37,619	1	37,619	37,619	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	45,685	45,685	1	45,685	45,685	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	53,341	53,341	1	53,341	53,341	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	8,024	24,072	3	8,024	24,072	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	47,683	286,098	6	47,683	286,098	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	41,603	83,206	2	41,603	83,206	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	90,791	453,955	5	90,791	453,955	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	69,887	349,435	5	69,887	349,435	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	51,759	207,036	4	51,759	207,036	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	52,359	209,436	4	52,359	209,436	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	13,239	92,673	7	13,239	92,673	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,805	76,100	20	3,805	76,100	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	875	87,500	100	875	87,500	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,437	143,700	100	1,437	143,700	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,647	182,350	50	3,647	182,350	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,856	18,560	10	1,856	18,560	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,284	12,840	10	1,284	12,840	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,459	49,180	20	2,459	49,180	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	21,301	106,505	5	21,301	106,505	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,195	54,875	25	2,195	54,875	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	660	3,300	5	660	3,300	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,155	11,550	10	1,155	11,550	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	897	13,455	15	897	13,455	15	1,225	18,375	15	1,225	18,375
		Total			**3,032,714**			**3,032,714**			**4,146,482**			**4,146,482**
		Designing and Site Supervision			90,981			90,981			124,394			124,394
		Grand Total			**3,123,695**			**3,123,695**			**4,270,877**			**4,270,877**
					3.124			3.124			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEMS**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**
52	Soft toys	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
53	Infants Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
54	Toddlers Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
55	Tri Cycles	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000
56	Wooden Cots	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000
57	Mattresses for Cots	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000
58	Pillows	10	300	3,000	10	300	3,000	10	300	3,000	10	300	3,000
59	Bed Sheets and pillow covers	20	400	8,000	20	400	8,000	20	400	8,000	20	400	8,000
60	Nets	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
61	High Chairs for feeding	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000
62	Rockers Cum Bouncer	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000
63	Cot Mobile	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000
64	Plastic Chairs (Round edges Animal Shapes)	7	600	4,200	7	600	4,200	7	600	4,200	7	600	4,200
65	Multi-Purpose Table	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000
66	Writing Board	1	500	500	1	500	500	1	500	500	1	500	500
67	Electric Sterilizer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
68	Electric Warmer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
69	Table sets	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000
70	Rocker	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200
71	Activity Gym (Infants)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
72	Play Gym	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500
73	Activity Gym (Toddlers)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
74	Toiler Training Seat	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000
75	Infant Toys	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000
76	Bath Toys	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000
77	Fun Links Teether	15	300	4,500	15	300	4,500	15	300	4,500	15	300	4,500
78	Fun Pal Teether	15	500	7,500	15	500	7,500	15	500	7,500	15	500	7,500
79	Fun Rattle	15	400	6,000	15	400	6,000	15	400	6,000	15	400	6,000
80	Mother feeding Chair	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
81	Soft Books (duplication)	20	500	10,000	20	500	10,000	20	500	10,000	20	500	10,000
82	Bottle Brushes	3	300	900	3	300	900	3	300	900	3	300	900
List of others Items i.e. Kitchen, Office, Electric items				-			-			-			-
1	Water Dispenser	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000
2	Microwave Oven	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400
3	Fridge	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000
4	Kitchen Accessories / Cutleries etc.	24	200	4,800	24	200	4,800	24	200	4,800	24	200	4,800
5	Sofa Set	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000
6	Office Table	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
7	Office Chairs	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000
8	Air Conditioner	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000
9	LCD	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000
10	DVD player	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			**1,600,000**			**1,600,000**			**1,600,000**			**1,600,000**
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Emplyees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	**HR FOR QMS and MSDS and Day Care Center**																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			**4,860,000**	**17,220,000**			**4,860,000**	**17,220,000**			**5,040,000**	**28,140,000**				**5,273,000**	40,473,000
					17.220				**17.220**				**28.140**					**40.473**
	Utilization of HR Component								**10.490**				**15.16**					
	Total of HR Component												**38.63**					**55.631**

Janitorial Services

	Original			From 1st Revised to onward
Assumptions				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residential area	23,609	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	3	Persons		
Road and ROW area	45,451	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	3	Persons		
Number of washroom blocks	7	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	2	Persons		
Total sweeper in morning shift	8	Persons		
Total number of sweepers in evening shift	4	Persons		
Total number of sweepers in night shift	4	Persons		
Total number of sweepers in all shifts	17	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	17	22,000	4,414,555	
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)			**10,942,555**	

10.943

Security and Parking

	Original				From 1st Revised to onward
Assumptions					In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residences	23,609				
Covered Area per guard	15,000				
Number of guards	**2**				
Open area excluding parking area	45,451				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**3**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**11**				
Total number of all guards for second shift	**5**				
Lady Searcher	**2**				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**14**				
Total no. of Supervisors	**2**				
Type of worker	**No of workers**	**Salary per month**	**Salary per Month for all Person**	**Salary for One year**	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	6	21,525	129,150	1,549,800	
Civilian	10	21,000	210,000	2,520,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				**5,695,200**	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				**400,000**	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				**5,595,200**	
				5.595	

Laundry Services

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

Maintenance of Generator

	Original			From 1st Revised to onward
Item Name	**Quantity**	**Cost per year**	**Total Cost**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	-	300,000	-	
Number of Generators (50 KVA)	1	175,000	175,000	
Repairs Cost	1	175,000	175,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			**1,670,000**	
			1.670	

MEP

	Original				From 1st Revised to onward
Type of worker / Component	**No of workers**	**Salary per month**	**Salary per Month for all persons**	**Salary for One Year**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			**217,000**	**2,604,000**	
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**	
A/C	66	6,665	439,890	439,890	
Fridge	5	4,000	20,000	20,000	
UPS	12	8,000	96,000	96,000	
Water Cooler	15	4,000	60,000	60,000	
Exhaust	7	3,000	21,000	21,000	
Geyser	15	4,000	60,000	60,000	
Water Pump	3	3,000	9,000	9,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				**1,080,890**	
General Total				**3,684,890**	
				3.685	

Medical Gases

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

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
Sr. No.	**Description of work**	**Unit**	**Qty**	**Rate (Rs)**	**Amount (Rs)**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
	Total Amount of Platform Construction				**1,225,070**	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazzed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazzed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwitched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
	Total Cost of Pre-Fabrication of Canteen Structure				**3,307,052**	
	Total Amount (Rs)				**4,532,121**	
22	Electrification				998,735	
23	Plumbing and Sanitory				410,000	
24	Kitching Fixtures				802,000	
	Grand Total Amount (Rs)				**6,742,856**	

6.743

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	2,820	22	62,040	
1.2	**STONE / PEBBLES**					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375	34,375	
1.3	**GRASSING**					
a	**GRASSING (EXISTING NON MAINTANE LAWNS)**					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings , Specifications and as approved by the Engineer.	Sft	3,867	7	27,069	
b	**GRASSING (NEW LAWNS)**					
	Providing and dibbing of Fine Dacca grass , including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	4,830	11.25	54,338	
1.4	**TREE / SHRUBS (SPREADING)**					
	Providing and planting tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
a	Trees 18" pot 6'-7' - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	20	1,500	30,000	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc.	No's	5	270	1,350	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	-	600	-	

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onward
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	1,758	69	121,302	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	276	195	53,820	
1.6	**GROUND COVERS**					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	1,877	12	22,524	
1.7	**PALMS**					
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer .					
a	Palm 18" pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	2	3,675	7,350	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	3	1,800	5,400	
1.8	**CREEPERS**					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	9	195	1,755	
2	**HARD LANDSCAPE**					
2.1	**WALK WAYS**					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	387	150	58,050	
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	14,698	29,396	
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	27,700	27,700	
2.4	**PLAYING EQUIPMENTS**					

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onward
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939	
2.5	**PLANTERS**					
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	3,850	7,700	
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	1	45,000	45,000	
3	**SOFT LANDSCAPE MAINTENANCE** (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	9,668	9.00	87,012	
4	**CONSTRUCTION OF PLANTERS**					
4.1	**Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	38	550	20,900	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	5	550	2,750	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	9	550	4,950	
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**1,449,720**	
	PRA(16%)				231,955	
	Design Consultancy				100,000	
	TPV (3%)				43,492	
	Grand Total				**1,825,166**	
					1.825	

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GOVERNMENT OF PUNJAB

حکومت پنجاب

BUILDINGS CIRCLE DERA GHAZI KHAN

BUILDING DIVISION LAYYAH

ROUGH COST ESTIMATE FOR THE WORK "FOR REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH.

44.94 (M)

ESTIMATED COST = Rs: ~~44.763~~ (M)

BUILDINGS SUB-DIVISION LAYYAH

(2

GOVERNMENT OF PUNJAB

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BUILDINGS SUB-DIVISION LAYYAH

PROVINCE	PUNJAB
CIRCLE	BUILDING CIRCLE DERA GHAZI KHAN
DIVISION	BUILDING DIVISION LAYYAH
SUB- DIVISION	BUILDING SUB-DIVISION LAYYAH
NAME OF WORK	ROUGH COST ESTIMATE FOR THE WORK "FOR REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH.
MAJOR HEAD	
MINOR HEAD	
ESTIMATED COST	Rs: ~~44.763(M)~~ 44.94(M)

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ROUGH COST ESTIMATE FOR FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS DIVISION LAYYAH FOR THE WORK "REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH"

REFERENCE:

Project Director PMU (P&SHD) Punjab Lahore & Medical Superintendent THQ Hopital Kot Sultan office letter No. 4067-71/MS/THQ/KTS Dated: 04.10.2022

HISTORY:

The Client Department has been requested vide letter qouted above & the scope of work is prepared by the PMU (P&SHD) Punjab Lahore & duly counter signed by the M.S THQ Hospital Kot sultan District Layyah is provide vide letter qouted under reference.

Hence rough cost estimate amounting to **Rs.** ~~44.763(M)~~ 44.94(M) is prepared for arranging administrative approval & release of funds from the competent authority.

SCOPE OF WORK:

S.No	Detail of Items	Qty		Unit
1	Cost of Revemping of THQ Hospital Kot Sultan District Layyah (Main	1	No	Job
2	Construction of O.H.R 10000 gallon capacity	10000	Gln	P.Gln
3	P/Installation of vertical turbine pump 1/2 Cusec discharge against total head of 160	1	No	Each
4	Pumping Chamber for Turbine & Purfication plant 1x(13-1/2x13-1/2)	182.25	Sft	P.Sft
5	Construction of Electric Panel Room for (16.50x16.50')	272.25	Sft	P.Sft
6	Construction of Room for Purification Plant (16.50x18')	297	Sft	P.Sft
7	Cost of RO water Filtration Plant with hyginic Ultra filtraion 4000 LPH .	1	No	Each
8	Cost of Chiller .	1	No	Each
9	Cost of Emergency Fire Alarm System in Main OPD Block,Diagnostic & Indoor i/c	1	No	Job

EXECUTION:

The work will be got executed in accordance with the Works Department specifications and to the entire satisfaction of the Engineer Incharge, after observing all codal formalities etc.

SPECIFICATION/CARRYING OUT OF WORK

The work will be carried out according to building Department specification with latest edition through the approved contractor of P.W.D after calling tenders on competative grounds.

LAND:

No provision for acquisition of land has been made in the estimate as the same is already available with the client department .

RATE:

The estimate is based on latest approved plinth area rates notified by the Chief Engineer Punjab Works-Department Lahore for the period MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH and as per nonscheduled rates prepared on analysis basis according to prevailing market rates.

COST:

The total cost of the scheme comes to **Rs:** ~~44.763(M)~~ 44.94(M)

TIME:

Scheme will be complete about 12 months & subject to release of full funded from the date of actual commencement of the work

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

Primary & Secondary
Healthcare Department

No. 4067-71 /MS/THQ/KTS
MEDICAL SUPERINTENDENT
THQ LEVEL HOSPITAL KOT SULTAN
PH: - 0606-470100
E-mail:- msthqkotsultan@gmail.com
Dated: - 4th November, 2022

To,

The Executive Engineer (X-En) Building,
Layyah.

Subject: - **REQUEST FOR COST ESTIMATION OF SCOPE OF CIVIL WORK DETERMINED BY PMU, PRIMARY AND SECONDARY HEALTHCARE DEPARTMENT PUNJAB.**

Reference to the subject cited above,

It is stated that the scope of civil work determined by the Project Management Unit, Primary and Secondary Healthcare Department, Punjab is attached herewith. You are requested to do the cost estimation for the said scope of work.

MEDICAL SUPERINTENDENT
THQ LEVEL HOSPITAL KOT SULTAN

Nos. And Date Even

CC: -

1. The Project Director, PMU, P&SHD, Punjab.
2. The Project Manager Operations (South), PMU, P&SHD, Punjab.
3. The Chief Executive Officer, District Health Authority Layyah
4. Master File.

MEDICAL SUPERINTENDENT
THQ LEVEL HOSPITAL KOT SULTAN

SCOPE OF WORK FOR REVAMPING OF HEALTH FACILITY THQ HOSPITAL KOT SULTAN DISTRICT LAYYAH

Sr No	Item	Main OPD	Diagnostic Block (X-Ray, Lab and OT's)	Indoor Block (Male and Female Wards)
1	Porcelain Floor Tile replacement	All floor tiles full body porcelain needs to be retained where fixed. Note Inside rooms/offices indicated during site visit where at present Terrazo flooring exists full body porcelain tiles need to be fixed. Note Inside 6 Rooms as indicated during site visit where terrazo exists at present ful body porcelain tiles need to be fixed.	All floor tiles full body porcelain needs to be retained in the inner corridor of Diagnostic & OT Block.. Note Only in rooms/offices indicated during site visit where at present Terrazo flooring exists full body porcelain tiles need to be fixed. Note Only Inside inner corridor of Old OT Floor tiles full body porcelain needs to be fixed.	All floor tiles full body porcelain need to be fixed in entire Indoor Block. Note Only in rooms/offices indicated during site visit where at present Terrazo flooring exists full body porcelain tiles need to be fixed. Note All floor tiles matching with existing tiles need to be fixed in entire Indoor Block.
2	Porcelain Wall Tile replacement	All wall/dado tiles full body porcelain needs to be retained where already fixed. Note Inside rooms indicated during site visit where at present Terrazo flooring exists full body porcelain skirting tiles need to be fixed. Note Wall/dado must be upto 6 ft. in corridor and inside wards. Skirting level must be 6" inside rooms/offices. Note Inside 6 Rooms as indicated during site visit where terrazo exists at present ful body porcelain tiles need to be fixed.	All wall/dado tiles full body porcelain need to be retained in entre Diagnostic Block (X-Ray & Lab). Note Only in rooms indicated during site visit where at present Terrazo flooring exists full body porcelain skirting tiles need to be fixed. Note Wall/dado must be upto 6 ft. in corridor and inside wards. Skirting level must be 6" inside rooms/offices. Note Only Inside inner corridor of Old OT wall/dado tiles full body porcelain needs to be fixed.	All wall/dado tiles full body porcelain needs to be fixed in entire Indoor Block. Note Wall/dado must be upto 6 ft. in corridor and inside wards. Skirting level must be 6" inside rooms/offices. Note All wall/dado tiles need to be fixed in entire Indoor Block.
3	Wooden Doors flush or Solid/ Main Doors and Aluminum Doors	Only damaged doors which are few in number needs to be replaced with new wooden doors. All Entrance doors of OPD needs to be replaced with Aluminum doors half Solid and Half glass doors.	Only dmaged doors need to be replaced by new wooden doors. Remaining doors in good condition will only be repainted properly after scrapping the old paint. Entrance doors to be replaced with Aluminum doors.	Only dmaged doors need to be replaced by new wooden doors. Remaining doors in good condition will only be repainted properly after scrapping the old paint. Entrance doors to be replaced with Aluminum doors.
4	Verandah opening (opening to open area)/ MS Windows on Façade	All MS Angle windows need to be retained and Mesh only needs to be fixed.	All MS Angle windows need to be retained and Mesh only needs to be fixed.	All MS Angle windows need to be retained and Mesh only needs to be fixed.

5	Existing Internal Windows	All internal windows other than Aluminum windows need to be replaced with Aluminum windows.. Only MS Windows at façade and inside rooms/offices other than Aluminum windows need to be replaced with Aluminum windows.	All internal windows other than Aluminum windows need to be replaced with Aluminum windows..	All internal windows other than Aluminum windows need to be replaced with Aluminum windows..
6	Internal Electric fittings	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.
7	Internal Lighting Fixtures	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	All corridors and rooms should lit with SMD's with concealed wiring.
8	Revamping of Public Toilets	All Patient/Attendant washrooms in OPD Block needs 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 (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	All Patient/Attendant washrooms in Diagnostic Block (X-Ray & Lab) needs 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 (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	All PatientAttendant washrooms in male and female wards 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 (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.
9	Wall Paint	Surface of walls of Main Building Block should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of Diagnostic Block should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.

	of Treatment	Required as per C&W standards.	Required as per C&W standards	Required as per C&W standards
	Nursing Counter (Ward)	Not required.	Nursing counter will be provided upto 2.6' height with granite/ marble on top as per C&W standards.	Nursing counter will be provided upto 2.5' height with granite/ marble on top as per C&W standards.
12	Stairs - Marble and Railing	On steps of stairs leading to first floor marble needs to be fixed along with skirting and railing.	Not Required.	Not required.
13	Entrance	On all Entrances on Podium and steps Marble/Granite needs to be fixed.	On all Entrances Podium and steps Marble/Granite needs to be fixed.	On all Entrances Podium and steps Marble/Granite needs to be fixed.
14	Ramps - Tile and Railing	Ramp at Entrance of OPD needs to have Antiskid ttiles fixed on it with SS railing.	Antiskid tiles need to be fixed on ramp at entrance with SS Railing fixed on it.	On ramp at Entrance Antiskid tiles with SS railing needs to be fixed.
15	Façade Uplifting	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.
16	Lead linning Walls (X-Ray)	Not required.	Lead Linning needs to be done inside X-Ray Room.	Not required.
17	Anitmicrobial Treatment (OTs)	Not required.	Inside OT's Antimicrobial flooring, Antimicrobial wall panelling and non-porous celling needs to be done inside OT (where surgery takes place).	Not required.
18	External Weather Shield	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation missing portion only matching as per IDAP revamped area.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.
19	Edge Protection	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.
20	Columns SS Cladding	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.
21	Plumbing Works	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.
22	Fire Alarm System	Required.	Required.	Required.
23	Expansion Joint of Building	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.

(B)

ecific Points

, All floor and wall/dado tiles need to be fixed inside two Labour rooms, Gyane wards and inside corridor with wall/dado up to height of 5 ft. and SS Edge Protection.

2) All inner windows and doors need to be retained inside Labour room and Gyane Block.

3) Entrance door of Gyane Block needs to be replaced with glazed Aluminum door.

4) Partition inside WMO needs to be replaced with Aluminum Partition.

5) At Entrance of Gyane Block and Emergency Block black granite to be fixed on Entrance steps with Antiskid tiles and SS Railing on ramp at Entrance.

SCOPE FOR REVAMPING OF HEALTH FACILITY THQ HOSPITAL KOT SULTAN DISTRICT LAYYAH

Sr No	Description	Condition	Additional Information	
	Water Supply System		10000 Gallons capacity OHR with all external water supply lines need to be done in Hospital.	
	Sewerage System		Not Required	
	External Pathways		PCC track to be made for wheel chair/stretcher movement between Gyane to OT Block.	
	Boundary Wall		Not Required	
	Main Gate		Not Required	
	Sources of Electrical Supply		Demand Notice to be paid for Dual Supply or Express Line.	
	Transformer		Requirement of transformer will be assessed after visit of Wapda & ON to be paid accordingly as per site requirement.	
	ATS Panel for Generators		As per site requirement.	
	Electrical Panel Room		Electrical Room needs to be made.	
	External Wires		All external wires/cables should be replaced after detail electrical analysis & design. Moreover these main wires should be concealed in all respects.	
	Water Filtration Plant		Water Filtration plant needed by the Hospital.	

COMPARATIVE STATEMENT

ROUGH COST ESTIMATE FOR THE WORK "FOR REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH.

			AS PER ROUGH COST 2ND BI-ANNUAL 2021				AS PER ROUGH COST 2ND BI-ANNUAL 2022				DIFFERENCE	
Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
"A" PLINTH AREA RATES.												
		Pumping Chamber for Turbine & Purfication plant 1x(13-1/2x13-1/2)	0	P-Sft		0	182	P.Sft	2694.00	490982	490982	--Nil--
		Construction of Electric Panel Room for (16.50x16.50')	0	P-Sft		0	272	P.Sft	2694.00	733442	733442	--Nil--
		Construction of Room for Purification Plant (16.50x18')	297	P-Sft	2161.00	641817	297	P.Sft	2694.00	800118	158301	--Nil--
		Cost of RO water Filtration Plant with hyginic Ultra filtraion 4000 LPH .	1	Each	1455200.00	1455200	1	P.Job	1808100.00	1808100	352900	--Nil--
		Cost of Chiller .	1	Each	164000.00	164000	1	P.Job	339100.00	339100	175100	--Nil--
		~~Cost of Emergency Fire Alarm System in Main OPD Block,Diagnostic & Indoor i/c Gaynee Block.~~	~~0~~	~~P-Sft~~		~~0~~	~~1~~	~~P.Job~~	~~1104380.00~~	~~1104380~~	~~1104380~~	~~--Nil--~~
		Provision of Security Iron Grill on Boundary Wall (480+340+480+340)=1640 Rft	1640	P-Rft	1476.00	2420640	0	P.Rft		0	--Nil--	2420640
		Provision of Electric Instalation and Sanitary fittings. (OPD Block)	23852	P-Sft	50.00	1192600	0	P.Sft		0	--Nil--	1192600
		Provision of Electric Instalation and Sanitary fittings. (Dignostic Block)	4506	P-Sft	50.00	225300	0	P.Sft		0	--Nil--	225300
		Provision of Electric Instalation and Sanitary fittings. (Indoor Block)	8700	P-Sft	50.00	435000	0	P.Sft		0	--Nil--	435000
		Provision of Electric Instalation and Sanitary fittings. (Emergency Block)	10700	P-Sft	50.00	535000	0	P.Sft		0	--Nil--	535000
		Construction of Waiting Shed	1	Job	1012500.00	1012500	0	P.Job		0	--Nil--	1012500
		Construction of Car Parking Shed	1	Job	606600.00	606600	0	P.Job		0	--Nil--	606600
											--Nil--	--Nil--
"A" STANDARDIZED ITEMS											--Nil--	--Nil--
		EARTHWORK (EXCAVATION & EMBANKMENT)									--Nil--	--Nil--
1	3/13	Rehandling of earthwork:- a) Lead upto a single throw of Kassi, phaorah or shovel.	30699.00	%oCft	1776.70	54543	2000.00	%oCft	2539.70	5079	--Nil--	49464
1	3/15	Filling, watering and ramming earth under floors:- ii) Surplus earth from foundation	17915.00	%0Cft	3583.55	64199	0.00	%0Cft		0	--Nil--	64199
2	3/15	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside, lead upto ONE mile	6685.00	%0Cft	10978.6	73392	0.00	%0Cft		0	--Nil--	73392

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
3	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) ii) in ordinary soil.	26994	%oCft	7492.3	202247	0	%oCft	10677.75	0	--Nil--	202247
4	3/42	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	0	%oCft		0	2000	%oCft	7672.75	15346	15346	--Nil--
4	3/42	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	35608	%oCft	6221.15	221523	0	%oCft		0	--Nil--	221523
4	3/42	ii) 7.01 ft. to 15.0 ft. (2.15 to 4.5 m) depth	336	%oCft	10463.85	3516	0	%oCft		0	--Nil--	3516
											--Nil--	--Nil--
		DISMANTLING									--Nil--	--Nil--
1	4/13	Dismantling brick work in lime or cement mortar.	1021	%Cft	3020.40	30838	154	%Cft	4317.45	6649	--Nil--	24189
2	4/16	Dismantling mud concrete.	0	%Cft		0	0	%Cft	2031.75	0	--Nil--	--Nil--
3	4/16	Dismantling brick or flagged flooring without concrete foundation	0	%Cft		0	0	%Cft	863.50	0	--Nil--	--Nil--
4	4/19	c) Dismantling cement concrete 1:2:4plain.	231	%Cft	7817.55	18059	596	%Cft	11174.60	66599	48540	--Nil--
5	4/20	Dismantling cement concrete reinforced,separating reinforcement from concrete,cleaning and straightening the same.	0	%Cft		0	0	%Cft	18285.70	0	--Nil--	--Nil--
6	4/22	b) Dismantling 2nd class tile roofing.	0	%Sft		0	0	%Sft	1,269.85	0	--Nil--	--Nil--
7	4/32	a) Removing door with chowkat.	140	Each	295.15	41321	71	Each	438.00	31098	--Nil--	10223
8	4/32	b) Removing windows and sky lights with chowkat	166	Each	228.35	37906	137	Each	341.50	46786	8880	--Nil--
9	4/48	Removing old mud/cement or lime plaster.	0	%Sft		0	6455	%Sft	423.30	27324	27324	--Nil--
9	4/48	Removing old Mud plaster from walls.	7450	%Sft	148.05	11030	0	%Sft		0	--Nil--	11030
10	4/50	Dismantling glazed or encaustic tiles, etc.	28950	%Sft	1606.20	464995	9783	%Sft	2335.85	228516	--Nil--	236479
		CONCRETE									--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
1	6/2	Dry rammed Brick or stone ballastf1-1/2" to 2" gauge in foundation and plinth.	7413	%Cft	4051.1	300308	0	%Cft	8891.5	0	--Nil--	300308
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 4:8	177	%Cft	13472.75	23847	0	%Cft		0	--Nil--	23847
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 6:12	115	%Cft	11507.15	13233	0	%Cft		0	--Nil--	13233
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):- (f) Ratio 1: 2: 4	1086.0	%Cft	22784.80	247443	1273.0	%Cft	38126.10	485345	237902	--Nil--
4	6/6	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:- (3) (c) Type C (nominal mix 1: 2: 4)	1238	P-Cft	379.60	4699	26	P-Cft	556.50	14469	9770	--Nil--
5	6/6	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. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	502.00	P-Cft	274.75	137925	0.00	P-Cft	457.75	0	--Nil--	137925
6	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	3686	% Kgs	15930.60	587211	80	% Kgs	31409.15	25127	--Nil--	562084
14	6/27	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- ii) G.I. sheet, 18 SWG	0	P-Rft		0	12	P-Rft	233.45	2801	2801	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
14	6/28	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:-a) On interior surface (without mastic strip)	0	P-Rft		0	39	P-Rft	147.30	5745	5745	--Nil--
14	6/28	b) On exterior surface (with mastic strip)	0	P-Rft		0	53	P-Rft	155.70	8252	8252	--Nil--
14	6/31	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.	0	P-Rft		0	53	P-Rft	281.25	14906	14906	--Nil--
7	0	Fibrication of Heavy steel work with angle,Tee, flat iron, round iron,& sheetiron for making Trusses etc i/c cutting,drilling,revitting,Handling,Assembling etc w/out errection in position	0	% Kgs		0					--Nil--	--Nil--
		BRICK WORK									--Nil--	--Nil--
1	7/4	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6	9583	%Cft	21465.45	2057034	0	%Cft	28578.7	0	--Nil--	2057034
2	7/5	Pacca brick work in ground floor:- i) cement, sand mortar:- i) Ratio 1:6	0	%Cft		0	0	%Cft	30762.50	0	--Nil--	--Nil--
2	7/5	Pacca brick work in ground floor:- i) cement, sand mortar:- i) Ratio 1:4	1341	%Cft	23855.80	319906	202	%Cft	31625.30	63883	--Nil--	256023
3	7/7	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:4	2986	%Sft	22206.65	663091	0	%Sft	31336.3	0	--Nil--	663090.569
4	7/10	Extra for pacca brick work in steining of wells or any other circular masonary.	0	%Cft		0	0	%Cft		0	--Nil--	--Nil--
5	7/30	Supplying and filling sand under floor; or plugging in wells.	8794	%Cft	2096.10	184331	0	%Cft	2,823.30	0	--Nil--	184331
6		ROOFING									--Nil--	--Nil--
7	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. Ground Floor	0	%Sft		0	0	%Sft	11162.25	0	--Nil--	--Nil--
8	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	0	Each		0	24	Each	854.35	20504	20504	--Nil--

Sr No	CHA P/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
9	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorption (1% by volume, cell structure clored cell) i/c cutting and placing in position. complete in all respect. b)1-1/2" thick	0	%sft		0	0	%sft	9,459.55	0	--Nil--	--Nil--
10	9/48	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/ 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1¼" x 1"and 1 ½" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. iv)12 mm thick	0	P.sft		0	0	P.sft	99.85	0	--Nil--	--Nil--
11		FLOORING									--Nil--	--Nil--
12	10/3	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.	9457	%Cft	4555.25	430790	2417	%Cft	9284.40	224404	--Nil--	206386
7	10/7	Grouting 4½"(113 mm) dry brick work with cement mortar ratio 1: 5	0	%Sft		0	17452	%Sft	1295.00	226003	226003	--Nil--
3	10/24	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i)12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1984	P-Sft	187.00	371008	0	P-Sft		0	--Nil--	371008

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
6	10/25	Providing and laying superb quality Ceramic tiles dado of Maste brand of specified size,Glossy/Matt/Texture skirting/dado of approve Color and Shade with adhesive bond over 1/2"thick (1:2) cemen plaster i/c the cost of sealer for finishing the joints i/c cutting grindin complete in all respects as approved and directed by the Enginee Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	8727	P-Sft	192.00	1675584	0	P-Sft		0	--Nil--	1675584
15	10/41	Providing and laying Tuff pavers,having7000 PSI,crushing strength of approved manufacturer,over 2"to3" sand cushion i/c grouting with sand in joints i/c finishing to require slope.complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick	24600	P-Sft	110.75	2724450	0	P-Rft		0	--Nil--	2724450
13	10/42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm	13295	P-Sft	236.00	3137620	9795	P-Sft	340.50	3335198	197578	--Nil--
13	10/42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) b) Half body Tile d) (Non-Skid Chequred Tiles) 300mmx300mm	960	P-Sft	177.00	169920	1278	P-Sft	211.55	270361	100441	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
13	10/43	Providing and laying superb quality - Porcelain glazed tiles of Master brand,skirting/dado of specified size,Color and Shade with adhesive/bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints,cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm	17040	P-Sft	241.00	4106640	4421	P-Sft	340.50	1505351	--Nil--	2601289
14	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels:- a) size 1½"x 3/8" (40 mm x 10 mm)	0	P-Rft		0	0	P-Rft	19.80	0	--Nil--	--Nil--
15	10/45	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortor i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii)3/4" thick	0	P-Rft		0	2348	P-Rft	368.70	865708	865708	--Nil--
15	10/46	Providing and laying 3/8" thick Prepolished Marble skirting /risers having uniform texture (spotless) of size 24"x6" of approved quality and shade withad hesive bond over 3/4" thick (1:2) cement sand mortor complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge.i) China Verona	0	P-Rft		0	92	P-Rft	204.55	18819	18819	--Nil--
15	10/47	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortor i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii)3/4" thick	0	P-Rft		0	553	P-Rft	412.30	228002	228002	--Nil--
		SURFACE RENDERING									--Nil--	--Nil--
1	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	17440	%Sft	2102.85	366737	12264	%Sft	3241.60	397550	30813	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3	1605	%Sft	2586.45	41513	0	%Sft		0	--Nil--	41513
3	11/11	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick	0	%Sft		0	0	%Sft	3092.10	0	--Nil--	--Nil--
4	11/18	Cement pointing struck joints, on walls, upto 20 ft a) 1:2	0	%Sft		0	0	%Sft	3516.15	0	--Nil--	--Nil--
5	11/31	Extra cost of labour and material for red oxide pigment incement pointing to match with the colour of bricks.	0	%Sft		0	0	%Sft	652.50	0	--Nil--	--Nil--
4	11/23	Distempering to old surface 2 coats.	0	%Sft		0	32174	%Sft	705.15	226875	226875	--Nil--
		WOOD WORK									--Nil--	--Nil--
1	12/17	First class teak wood wrought joinery in doors and windows, etc. panelled, panelled and glazed or fully to glazed and fixed in position, including chowkat, holdfast, tower bolt, chocks, rubber stop, cleats/G.I. clamps, & chords with hooks, nails, screws, etc. complete (excluding sliding bolt and lock):- i) 2" (50 mm) thick	105	P-Sft	3768.75	395719	0	P-Sft	727.05	0	--Nil--	395719
2	12/28	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C.windows, including holdfast, etc.c)Shisham wood	0	P-Sft		0	0	P-Sft	825.85	0	--Nil--	--Nil--
3	12/45	Glazing with panes (24 oz. to 26 oz.), usingputty and deodar wooden fillets.	0	P-Sft		0	0	P-Sft	205.70	0	--Nil--	--Nil--
4	12/48	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- i) M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)	0	P-Sft		0	0	P-Sft	1527.50	0	--Nil--	--Nil--
5	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter (Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	0	P-Sft		0	324	P-Sft	502.20	162713	162713	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
6	12/54	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.	0	P-Sft		0	1461	P-Sft	492.10	718958	718958	--Nil--
7	0	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					0	P-Sft	854.85	0	--Nil--	--Nil--
8	12/61	Providing & fixing 3/4"dia heavy duty sliding bolt of specifiedmaterial i/c the cost of hardware complete in all respect as approved anddirected by the Engineer Incharge iron sliding bolts 12"long to door.	0	Each		0	14	Each	470.00	6580	6580	--Nil--
		PAINTING AND VARNISHING									--Nil--	--Nil--
1	13/4	Painting old surfaces:- c) Painting doors and windows, any type: 3 Coats	0	%Sft		0	707	%Sft	2714.8	19194	19194	--Nil--
2	13/4	Preparing surface and painting to door and window (including edges) any type to old surface,2 coats i/c scraping Ordinary distemper, oil bound distemper, or paint of wall.	0	%Sft		0	389	%Sft	2,429.45	9451	9451	--Nil--
											--Nil--	--Nil--
2	13/32	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: a) new surface: ii) two coats	37128	%Sft	2,868.05	1064850	19819	%Sft	5,245.30	1039566	--Nil--	25284
3	13/32	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: a) OLD surface: ii) 2ND coats	0	%Sft		0	0	%Sft	1925.45	0	--Nil--	--Nil--
4	13/31	Preparing surface and painting with emulsion paint:- 2 coats i/c Scraping:- a) White wash or colour wash.	15504.00	%Sft	1412.4	218978	38720.00	%Sft	2228.6	862914	643936	--Nil--
		ROAD									--Nil--	--Nil--
1	18/17	Providing and laying expansion joint of neoprine strip 4"x¼"(100 mmx 6 mm) and plastic bitumen.	0.00				0.00	P.Rft	389.10	0	--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	0	Earth work in ordinary soil for embankment including ploughing and mixing with blade grade or disc harrow or other suitable equipment and compaction by mechanical means at optimum moisture content and dressing to designed section complete in all respect compacted up to 95% to 100% maximum modified AASHO dry density. lead 1 Mile	0.00	%0 Cft		0					--Nil--	--Nil--
3	0	Providing and laying Sub Base Course of crushed stone aggregate approved quality and grade, including placing, mixing, spreading and compaction of sub base material to required depth camber grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work Complete in all respect. (Analysis attached)	0.00	% Cft		0					--Nil--	--Nil--
4	0	Providing and laying road edging 3"wide & 9"deep brick on end complete in all respect. (Chapter # 18 & Item # 05)	0.00	Per Rft		0					--Nil--	--Nil--
5	0	Providing and laying water bound macadam Base Course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, i/c placing mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHTO dry density, including carriage of all materials to site of work complete in all respects. (Analysis attached)	0.00	% Cft		0					--Nil--	--Nil--
6	0	Providing priming coat using 10Lbs kerosene oil and 10Lbs binder for %Sft area complete in all respect. (Chapter # 18 & Item # 06)	0.00	% Sft		0					--Nil--	--Nil--
7	0	Providing and laying plant premixed bituminous carpet including compaction and finishing to required camber grade and density 2" thick 4.5% bitumen complete in all respect.(Analysis attached)	0.00	% Sft		0					--Nil--	--Nil--
8	0	Painting traffic lane 5" thick T.P Paint complete in all respect.	0.00	P. Rft		0					--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
9	0	Providing and fixing cat ayes of size 4"x4"x3/4" of approved quality and shape etc complete in all respect (Bio Directional)	0.00	Each		0					--Nil--	--Nil--
		PLUMBING, SANITARY INSTALLATION & GAS FITTINGS									--Nil--	--Nil--
1	19/3	Providing and fitting glazed earthen ware water closet,squatter type (Orisa pattern), combined with foot rest. i) white	58.00	Each	1479.45	85808	40.00	Each	2218.30	88732	2924	--Nil--
13	0	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	32.00	Each	18000.00	576000	0.00	Each	19987.90	0	--Nil--	576000
2	19/6	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, i- white with pedestral.	0.00	Each		0	40.00	Each	5169.95	206798	206798	--Nil--
7	19/	Providing and fixing at site of work under counter Vanities Porta bowl approved make i/c all cost of labour & material for making hole in marble etc. complete in all respects as approved by the Engineer Incharge.	24.00	Each	6700.00	160800	0.00	Each		0	--Nil--	160800
3	19/12	Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	58.00	Each	1496.45	86794	40.00	Each	2649.10	105964	19170	--Nil--
4	19/23	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved anddirected by the Engineer incharge.i) Plastic soap dishii) Plastic toilet paper holderiii) Plastic tower railiv) Plastic shelf 60x13 cm (24:x5") with bracket and railingv) Plastic Brush holdervi) Looking glass with plastic framevii) Towel ring	32.00	Each	5500.00	176000	24.00	Each	6600.00	158400	--Nil--	17600

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	19/25	Providing and fixing chromium plated stop cock, heavy:- ii) 1.5 cm (½").	0.00	Each		0	40.00	Each	775.00	31000	31000	--Nil--
3	19/27	Providing and fixing Chrumium plated Bib cock 1/2" dia.	0.00	Each		0	40.00	Each	775.00	31000	31000	--Nil--
5	19/31	Providing and fixing gun metal peet/gate valve (screwed):-i) 30 mm (1¼") dia	0	Each		0	28	Each	4762.50	133350	133350	--Nil--
5		iii) 50 mm(2") dia	0	Each		0	2	Each	8362.50	16725	16725	--Nil--
5		v) 80 mm(3") dia	0	Each		0	2	Each	22882.50	45765	45765	--Nil--
5	19/32	Providing and fitting, chromium plated or brass oxidised,swan neck cock 15 mm (½") dia.i) single way	0	Each		0	35	Each	511.00	17885	17885	--Nil--
5	19/34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")	0.00	Each		0	40.00	Each	627.75	25110	25110	--Nil--
5	19/35	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	98.00	Each	151.65	14862	40.00	Each	703.10	28124	13262	--Nil--
5	19/36	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	59.00	Each	745.40	43979	0.00	Each		0	--Nil--	43979
6	19/51	Providingandhoistingvertical/horizontaltypestoragetankofrequiredcapacitymadeofrotationallymoldedfrom(HDPE),doubleplypolyetheleneofapprovedmanufactureri/ccostofmakingconnectionforinlet/outletpipe,floatvalvei/callcostofspecials&labourcompleteinallrespect as approved and directed by the Engineer Incharge.	0.00	Each		0	3000.00	P.Gln	106.60	319800	319800	--Nil--
6	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.(i) 3 No Tee Stop Cock (set)(ii) Lever Type Basin Mixer(iii) Double Bib Cock(iv) Open Type Wall Shower(v) Muslim shower(vi) Waste Coupling(vii) Bottle Trap	24.00	Each	20200.00	484800	0.00	Each	33004.00	0	--Nil--	484800
3	19/4 Rep	Providing and fixing, flushing bend of PVC. i) 3 cm (1¼")	0.00	Each		0	40.00	Each	204.65	8186	8186	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
8	19/55	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador/ Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.(i) 15 Gal capacity	0.00	Each		0	0.00	Each	19819.90	0	--Nil--	--Nil--
		SEWERAGE									--Nil--	--Nil--
2	21/3	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) 6" dia RCC pipe	144	P-Rft	214.20	30845	0	P-Rft		0	--Nil--	30845
1	0	i) 225 mm (9") i/d	750	P-Rft	390.10	292575	0	P-Rft		0	--Nil--	292575
2	21/3	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, 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. i) 310 mm (12") i/d	3049	P-Rft	459.55	1401168	0	P-Rft		0	--Nil--	1401168
3	0	P/ laying of PVC sewer pipe of BSS class"D" working pressure i/c lowering ,jointing, Testing complete.	0	P-Rft		0					--Nil--	--Nil--
4	21/9	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish	0	%Sft		0	0	%Sft		0	--Nil--	--Nil--
5	21/16	Providing and fixing, 6" (150 mm) thick R.C.C. manholecover for 22" as per standard drawing STD/PD No. 6 of1977, complete in all respects.	50	Each	3714.00	185700	0	Each		0	--Nil--	185700

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
5	21/	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.	5	Each	5985.45	29927	0	Each		0	--Nil--	29927
5	21/	Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.	41	Each	346.35	14200	0	Each		0	--Nil--	14200
		SINKING OF WELLS									--Nil--	--Nil--
1	(i)	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) a) in ordinary soil or sand :- i) 0' to 5' depth	565	%oCft	5280.40	2983	0	%oCft		0	--Nil--	2983
2	(ii)	5' to 10' depth.	565	%oCft	5514.95	3116	0	%oCft		0	--Nil--	3116
3	(i)	0' to 5' depth	565	%oCft	6204.30	3505					--Nil--	3505
		TUBEWELL & WATER SUPPLY									--Nil--	--Nil--
4	23/1	Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:- i) 4" i/d (100 mm)	0	P-Rft		0	800	P-Rft	316.65	253320	253320	--Nil--
4	23/16	Providing and installing P.V.C. blind pipe, B.S.S. Class `B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. i) 4" i/d (100 mm)	1125	P-Rft	291.30	327713	200	P-Rft	483.60	96720	--Nil--	230993
4	23/17	Providing and installing P.V.C. blind pipe, B.S.S. Class `D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. a) 1¼" i/d (30 mm)	0	P-Rft		0	400	P-Rft	128.90	51560	51560	--Nil--
4		b) 1½" i/d (40 mm)	0	P-Rft		0	400	P-Rft	158.25	63300	63300	--Nil--
4		c) 2" i/d (50 mm)	0	P-Rft		0	400	P-Rft	230.00	92000	92000	--Nil--
4	23/23	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I.bends, valves, crosses, unions and pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. ii) Medium Quality i) 4" i/d (100 mm) 4.5mm thick	0	P-Rft		0	150	P-Rft	1564.95	234743	234743	--Nil--
4		h) 3" i/d (75 mm) 4.05mm thick	0	P-Rft		0	250	P-Rft	1084.10	271025	271025	--Nil--
4		f) 2" i/d (50 mm) 3.65mm thick	0	P-Rft		0	100	P-Rft	660.00	66000	66000	--Nil--
4		e)1½" i/d (40 mm) 3.25mm thick	0	P-Rft		0	150	P-Rft	469.70	70455	70455	--Nil--
4		c) 1" i/d (25 mm) 3.25mm thick	0	P-Rft		0	150	P-Rft	324.20	48630	48630	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
4		b) ¾" i/d (20 mm) 2.65mm thick	0	P-Rft		0	200	P-Rft	216.00	43200	43200	--Nil--
											--Nil--	--Nil--
4	23/27	Providing, laying, cutting, jointing, testing and disinfecting PS 3051 Providing and installing specials PVC/ uPVC pipe line with `B' Class working pressure BS 3505 and valves is not included in the pipe, in trenches, complete in all respects:- i) 4" i/d (100 mm)	0	P-Rft		0	1400	P-Rft	440.65	616910	616910	--Nil--
5	23/27	ii) 2" i/d (50 mm)	0.00	P-Rft		0	350.00	P-Rft	203.50	71225	71225	--Nil--
5	23/38	Providing and installing P.V.C. bends, of B.S.S. i) Class `B' working pressure:- b) 4" i/d (100 mm)	0	Each		0	105	Each	543.55	57073	57073	--Nil--
5	23/39	Providing and installing P.V.C. tees, of B.S.S. i) Class `B' working pressure:- b) 4" i/d (100 mm)	0	Each		0	105	Each	1586.00	166530	166530	--Nil--
5	23/45	P/FEjectorPumpofspecifiedSuctionandDeliveryheads,coupledwithSinglePhaseSeimenElectricMotorofrequiredratingforwatersupplyi/cthecostofconnectioncharges,necessarywire,PVCpipesetccompleteinall respect as approved and directed by the Engineer Incharge. ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38 M delivery head	0	Each		0	10	Each	17905.00	179050	179050	--Nil--
6	23/47	Providing,laying,testingandcommissioningofPOLYPROPYLENERANDOMCOPOLYMER(PPRC)watersupplypipe(Dadex/Popular/Betaorequivalent)withspecifiedpressureratingPN(PRESSURENOMINAL)andconformingtoDIN8077-8078 code i/c cost of olvent,specials, makingjharries complete inall respect as approvedanddirectedby Engineer Incharge. (Internal/External Diameters mentioned). a)PN-16 pipe (iii)(1") 32 mm	695	P-Rft	91.00	63245	3900	P-Rft	93.65	365235	301990	--Nil--
6	23/47	(ii)(3/4") 25 mm	770	P-Rft	64.00	49280	3900	P-Rft	57.95	226005	176725	--Nil--
		ELECTRIC INSTALLATION									--Nil--	--Nil--
1	24/3	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. ii) 25 mm i/d	0.00	P-Rft		0	1600.00	P-Rft	94.60	151360	151360	--Nil--
		i) 20 mm i/d	0.00	P-Rft		0	1000.00	P-Rft	81.70	81700	81700	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
		i) 50 mm i/d 2" dia	750.00	P-Rft	113.30	84975	0.00	P-Rft		0	--Nil--	84975
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated:- i) 3/0.74 mm (3/0.029")	0	P-Rft		0	5200	P-Rft	25.70	133640	133640	--Nil--
		ii) 7/0.74 mm (7/0.029")	0	P-Rft		0	1800	P-Rft	40.75	73350	73350	--Nil--
		7/0.036	0	P-Rft		0	0	P-Rft	53.80	0	--Nil--	--Nil--
		7/0.044	0	P-Rft		0	2400	P-Rft	75.10	180240	180240	--Nil--
		7/0.064	0	P-Rft		0	0	P-Rft	175.50	0	--Nil--	--Nil--
3	24/12	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts. vi) 7/1.63 mm (7/0.064")	500	P-Rft	272.40	136200	1400	P-Rft	306.30	428820	292620	--Nil--
		7/0.91 mm (7/0.036")	2000	P-Rft	16.80	33600	0	P-Rft		0	--Nil--	33600
		i) 7/1.12 mm (7/0.044")	2000	P-Rft	33.70	67400	0	P-Rft		0	--Nil--	67400
4	24/14	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. i) 10 x 10 cm (4"x4")	0	Each		0	70	Each	270.50	18935	18935	--Nil--
		ii) 17.5 x 10 cm (7"x4")	0	Each		0	25	Each	372.25	9306	9306	--Nil--
		iv) 20 x 25 cm (8"x10")	0	Each		0	30	Each	685.05	20552	20552	--Nil--
5	24/20	Supply and erection of iron/aluminum clad, branch distribution board, 250 volt, on angle iron frame of suitable installed the labour and composite size with 3 mm (1/8") M.S. sheet covering: 6 way, 30 Amp per way	1	Each	1086.45	1086	0	Each		0	--Nil--	1086
6	24/21	Supply and erection of bus bars, for 500 volts 3 phase A.C.supply with four copper bars, including glazed porcelain bridges, on angle iron board, fixed with rag bolts and M.S. sheet box 1.5 mm thick, etc. complete:-	1	Each	4231.40	4231	0	Each		0	--Nil--	4231
7	24/26	Supply and erection of wall type/pole type bracket, with double cover water tight reflector, flexible wire and brass bolder.	0	Each		0	30	Each	989.70	29691	29691	--Nil--
8	24/31	Supply & Erection of switch piano type 5 Amp.	0	Each		0	250	Each	72.00	18000	18000	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
10	24/34	Supply and erection of 3 pin. 5 Amp wall socket.	0	Each		0	50	Each	90.20	4510	4510	--Nil--
10	24/39	Supply and erection of button holder. i) bakelite large size	0	Each		0	50	Each	53.75	2688	2688	--Nil--
10	24/44	Providing and fixing M.S. iron box for housing main switches,made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:- i) 60x35x15 cm (24"x14"x6")	0	Each		0	10	Each	6775.00	67750	67750	--Nil--
10	24/44	Providing and fixing M.S. iron box for housing main switches,made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:-ii) 95x40x20 cm (38"x16"x8")	10	Each	3837.20	38372	0	Each		0	--Nil--	38372
10	24/70	Earthing of iron clad/aluminium switch etc with G.I pipe 15mm 1/2" dia re-cessed or on surface of all and floor complete girth 1.5 metre long C.I pipe 5-2 dia with reducin g socket 4 to 5 meter below ground level and 2 meter away from building plinth.	10	Each	6194.20	61942	0	Each		0	--Nil--	61942
10	24/86	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. (iv) 125-250 Amp(18 KA)	10	Each	4231.40	42314	10	Each	23493.00	234930	192616	--Nil--
10	24/102	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.(a) Plastic body (ii) 12" dia	0	Each		0	30	Each	3133.00	93990	93990	--Nil--
11	24/49	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	0	Each		0	0	Each	67.80	0	--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
12	24/103	(a) One way Gange SwitchP/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screwscomplete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small (viii) Three Pin Power Plug 15-32 Amp	0	Each		0	45	Each	754.50	33953	33953	--Nil--
13	ii	Large (iii) 04 Gange.	0	Each		0	0	Each		0	--Nil--	--Nil--
14	iii	(a) One way Gange Switch Small (viii) Three Pin Power Plug 15-32 Amp	0	Each		0	0	Each		0	--Nil--	--Nil--
15	24/83	Supplying ,Installation and commissioning of MCCB (Moulded Case CircuitBreaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABBSWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs andPanels i/c the cost of screws, necessary wire complete in all respect asapproved and directed by the Engineer Incharge.a) Tripple Pole (x) 200-250 Amp(36 KA)	0	Each		0	0	Each	39814.30	0	--Nil--	--Nil--
		IRON WORK									--Nil--	--Nil--
1	25/44	Providing and fixing all types of partly fixed and partlyopenable glazed anodised bronze colour aluminiumdoors, using delux section of M/s Al-Cop or PakistanCables, having chowkat frame of size 40 x 100 mm (1½" x4") and leaf frame of 60x40mm (2½"x1½") wide sectionsincluding the cost of ¼" (5 mm) thick imported tintedglass with aluminium triangular gola and rubber gasket tosupport the glass and leaf edging, using approvedstandard fittings, locks, 3" (75 mm) wide long handlesetc., and hardware any required as approved by theengineer in-charge.	4022	P-Sft	568.55	2286708	827	P-Sft	1437.60	1188895	--Nil--	1097813

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	25/45	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardwareetc., as approved by the Engineer in-charge i/c Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum	3257	P-Sft	775.20	2524826	1461	P-Sft	1348.40	1970012	--Nil--	554814
3	25/45	Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	0	P-Sft		0	1461	P-Sft	493.05	720346	720346	--Nil--
4	25/59	Providing and fixing G.I. wire gauze 24 SWG, 12x12 meshes per square inch, fixed to steel windows or doors,etc., complete in all respects.	0	P-Sft		0	168	P-Sft	144.25	24234	24234	--Nil--
5	25/64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	0	P-Sft		0	422	P-Sft	2,361.45	996532	996532	--Nil--
		Miscellaneous									--Nil--	--Nil--
1	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.ii) 500 gauge (.005" thick)	0	P-Sft		0	0	P-Sft	7.85	0	--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	0	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	0	Each		0	0	Each	2932.00	0	--Nil--	--Nil--
3	0	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bondover 3/4" thick (1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm	0	P-Sft		0	0	P-Sft	340.5	0	--Nil--	--Nil--
4	0	Providing and laying superb quality Porcelain glazed tiles of Master brand,skirting/dado of specified size,Color and Shade with adhesive/bondover 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 (ii) 600mm x600 mm	0	P-Sft		0	0	P-Sft	340.50	0	--Nil--	--Nil--
5	0	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i)12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	0	P-Sft		0	0	P-Sft	239.90	0	--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
6	0	Providing and laying superb quality Ceramic tiles dado of Maste brand of specified size,Glossy/Matt/Texture skirting/dado of approve Color and Shade with adhesive bond over 1/2"thick (1:2) cemen plaster i/c the cost of sealer for finishing the joints i/c cutting grindin complete in all respects as approved and directed by the Enginee Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	0	P-Sft		0	0	P-Sft	292.65	0	--Nil--	--Nil--
7	0	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 asapproved and directed by the Engineer Incharge.(i) 3/4" thick	0	P-Sft		0	0	P-Sft	1,308.95	0	--Nil--	--Nil--
8	0	Providing and fixing 3/4" thick Marble slab Black or dark colour prepolished skirting above 2 sft laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement & matching pigment i/c beveling charges on exposed edges complete in all respect as approved / directed by the Engineer Incharge.	2391	P-Sft	620.00	1482420	0	P-Sft		0	--Nil--	1482420
9	24/68	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tappered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. a)Single Arm(i) 10 mtr height	0	P.sft		0	0	P.sft	106240.30	0	--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
10	24/68	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or equivalent with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent), programmable LED driver (Harvard/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or equivalent), minimum 10kV surge protection rating i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevatorcharges as approved and directed	0	P.sft		0	0	P.sft	49384.50	0	--Nil--	--Nil--
11	24/83	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet(Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). 6" DEEP (i) 20~60A	0	P.sft		0	0	P.sft	18634.45	0	--Nil--	--Nil--
12	0	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex/Popular/Beta or equivalent, plain/socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v)4"(110 mm)	0	P-Rft		0	0	P-Rft	217.25	0	--Nil--	--Nil--
14		"B" NON- STANDARDIZED ITEMS									--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
1		Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,buffer belt as approved and directed by the Engineer Incharge	0	P-Sft		0	0	P-Rft	3070.00	0	--Nil--	--Nil--
2		Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre,on bottom rail of flush doors only of commercial ply.	0	P.Rft		0	0	P.Rft	70.00	0	--Nil--	--Nil--
3		Providing and fixing all types of partly fixed and partlyopenable glazed anodised/ powder coatedaluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x4") 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 theengineer in-charge.	0	P.Rft		0	0	P.Rft	0.00	0	--Nil--	--Nil--
4		Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	954	P-Sft	950.00	906300	914	P-Sft	1200.00	1096800	190500	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
5		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. (a) Cementitious Urethane (b) Epoxy (c) Polyurethane (d) Urethane	0	P-Sft		0	0	P-Sft	1134.00	0	--Nil--	--Nil--
6		Supply and installation premimum graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge	0	P-Sft		0	0	P-Sft	1890.00	0	--Nil--	--Nil--
7		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.	0	P.Rft		0	0	P.Rft	580.00	0	--Nil--	--Nil--
8		Supply & Installation of Phillips, LED Light 24"x24" (RC 099v LED 36S / 865 W 60L60 GM) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.	60.00	No	13830	829800	0	Each		0	--Nil--	829800
9		Providing and Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg i/c Fixing With Screws on Porcelain Tile Dado Corners complete in all respects and as Approved by the Engineer Incharge	2700.00	P.Rft	305	823500	0	P.Rft		0	--Nil--	823500
10		Providing and Fixing beeding wooden gola fency type etc complete in all respects and as Approved by the Engineer Incharge	750.00	P.Rft	150	112500	0	P.Rft		0	--Nil--	112500

Sr No	CHA P/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
11		Providing and fixing of Best Quality Fancy door handle lock etc complete as approved by the Engineer Incharge.	141.00	No	2500	352500	0	Each		0	--Nil--	352500
12		Supply and erection of LED blub 18Watt etc complete as approved by the Engineer Incharge.	0	Each		0	150	Each	670.00	100500	100500	--Nil--
13		Supply and erection of SMD light 18Watt etc complete as approved by the Engineer Incharge.	0	Each		0	150	Each	2400.00	360000	360000	--Nil--
14		Supply and erection of LED Flood Light 50Watt etc complete as approved by the Engineer Incharge.	0	Each		0	50	Each	5850.00	292500	292500	--Nil--
15		S/E LED HWI 50 Watt LED Highway Light Inspir Pak Light etc complete in all respect as approved by the Engineer Incharge.	10	Each	14256.00	142560	0	Each		0	--Nil--	142560
16		Providing and fixing of Anti microbial/PVC wall penelling etc. complete in all respect,and as approved by the Engineer Incharge.	4174	P.Sft	137.00	571838	1440	P-Sft	193.00	277920	--Nil--	293918
17		P/L Non porous false ceiling comprising of 5/8" thick plaster of paris sheet of required size in approved design with one line of 6"wide niche all around, hanging with Copper wire (16SWG) duly enriched with POP and flaxen i/c the cost of making space for rope light/screws/jute /making holes for lights and rawal plugs complete in all respects as approved and directed by the Incharge. (Measurement will be made as per carpet Area).	12305	P-Sft	150.00	1845750	429	P-Sft	133.45	57250	--Nil--	1788500
18		P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as aper instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	0.00	P.Sft		0	1245.00	P.Sft	900.00	1120500	1120500	--Nil--
19		P/L, Anti microbial flooring/Anti-static epoxy self leveling floor / Dado PVC MFRP Conductive Eposy flooring (imported) to avoid firction with all chemical polishing etc. complete in all respect and as approved by the Engineer Incharge.	0.00	P.Sft		0	429.00	P.Sft	800.00	343200	343200	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
20		Providing and Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg i/c Fixing With Screws on Porcelain Tile Dado Corners complete in all respects and as Approved by the Engineer Incharge	0.00	P.Rft		0	840.00	P.Sft	400.00	336000	336000	--Nil--
21		P/INSTALLATION OF R.O (REVERSE OSMOSIS) WATER PURIFICATION PLANT COMPLETE IN ALL RESPECT OF APPROVED QUALITY THE SPECIFICATION OF PURIFICATIONO PLANT CAPACITY 1000 L.P.H AS APPROVED BY THE ENGINEER INCHARGE.	0.00	No		0					--Nil--	--Nil--
22		Providing and fixing Bracket fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.	0.00	No		0	30	Each	7200.00	216000	216000	--Nil--
23		Construction of OHR 10000 Gallon Capacity	0	P.Rft		0	10000	P.Gln	364.00	3640000	3640000	--Nil--
24		P/Installation of vertical turbine pump 1/2 Cusec discharge against total head of 160 Ft laatest manufacture lowel assembling steel carbon, shaft coloumn pipes upto 81' coupled with 20 BHP Electric motor (Seimens/Alta/or equalvent) 1450 RPM 380/440 volts 50 cycles i/c cost of delta structure complete in all respect as required at site of work & as approved by the Engineer Incharge	0	P.Rft		0	1	P.Job	5178200.00	5178200	5178200	--Nil--
25		Supplying and erection of 4 core cable PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, Cost of trenches where necessary armoured with G.I. wire 16 SWG. ii) 19/1.63 mm (19/0.064").	0.00	P.Rft		0					--Nil--	--Nil--

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
26		Providing and fixing Fiber glass shed consisting vertical post of G.I pipe 4" dia medium quality 10' above floor level and 1'-6" box pipe embedded in cement concrete 1:2:4 below floor level or fixed with bottom steel plate 6"x6" i/c rowel bolts provided with top frame of M.S 1"x1", gauge 18 SWG with trusses of M.S box pipe 1 1/2"x1 1/2" with 16 SWG 10 1/2" light i/c fixing of 2-ply fiber glass sheet and painting of sq pipe frame is included in the rate complete as approved. (10x500 = 5000 Sft)	0.00	p.Sft		0					--Nil--	--Nil--
27		Providing and fixing cast iron bench with wooden planks etc complete in all respect and as approved by the Engineer in charge.(13.3x10 = 133 Nos.)	0.00	Each		0					--Nil--	--Nil--
28		Providing and Fixing of Parking Shed comprising of 10 SWG coloum pipe 5" dia, 12 SWG main arch pipe 2.5" dia, 14 SWG support and perlin pipe 2" dia with covering sheet tensile fabric for 700 GSM size 20'x18' i/c making foundation excavation base concrete (1:2:4) complete with finishing and as approved and directed by the Engineer Incharge"	0.00	p.Sft		0					--Nil--	--Nil--
29		Provision of Anti Skidding Ramps.	0.00	p.Sft		0					--Nil--	--Nil--
30		Up lifting of Front Elevation.	0.00	p.Sft		0					--Nil--	--Nil--
31		S/E of ceiling Fan 56" Sweep best quality as approved by the Engineer incharge					0.00	Each	7100.00	0	--Nil--	--Nil--
32		Providing and Installing Street Light 10' Height.	0.00	P.Job		0					--Nil--	--Nil--
			0.00			Rs.45537185/-	0.00		Total:	Rs. 40154322/-	Rs. 25428270/-	Rs. 30811133/-
		RECOVERY OF OLD ITEMS										
1		Old wooden Door										
1		Old wooden Door	5081.00	P.Sft	250.00	Rs.1270250/-	1238.00	P.Sft	150.00	185700	--Nil--	1084550
2		Old Wooden windows										
4		Old Wooden windows	3257.00	P.Sft	150.00	Rs.488550/-	1461.00	P.Sft	150.00	219150	--Nil--	269400
5		RECOVERY OF OLD BRICK (USABALE)										
6		RECOVERY OF OLD BRICK (USABALE)	9648.00	%oNos	4500.00	Rs.43416/-	1455.00	%oNos	4500.00	6548	--Nil--	36868
7		RECOVERY OF OLD BRICK TILE (Brick Ballast)										
8		RECOVERY OF OLD BRICK TILE (Brick Ballast)	306.00	%Cft	1050.00	Rs.3213/-	0.00	%Cft	1050.00	0	--Nil--	3213

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
9		Recovery of Old Steel										
10		Recovery of Old Steel	0.00	%Cft		Rs.0/-	0.00	P.Kg		0	--Nil--	--Nil--
					Total:	Rs.1805429/-			Total:	Rs. 411398/-	Rs. 0/-	Rs. 1394031/-
			Net .Total:			Rs.43731756/-		Net .Total:		Rs. 39742924/-	Rs. 25428270/-	Rs. 29417102/-
		~~Add 10% External Development~~			=			~~2024542~~	=	~~Rs. 202454/-~~	~~202454.2~~	~~--Nil--~~
			Net .Total:			Rs.43731756/-		Net .Total:		Rs. 39945378/-	Rs. 25630724/-	Rs. 29417102/-
		Add: WAPDA Connection Charges for 50 KV & 25 KV Transfor			=				=	Rs. 2000000/-	2000000	--Nil--
		Add 5% PRA.			=	Rs.2186575/-			=	~~Rs. 2036369/-~~ 2049525	--Nil--	150206
		Add 3% Contingency								Rs. 781797/-	781797	--Nil--
					Total:	Rs.45918331/-			Total:	~~Rs. 44763544/-~~ 44943948	~~Rs. 28412521/-~~	~~Rs. 29567388/-~~
					OR	Rs : 45.918(M)			OR	~~Rs : 44.764 (M)~~	~~Rs : 28.413 (M)~~	~~Rs : 29.567 (M)~~

44.94

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

ROUGH COST ESTIMATE FOR THE WORK "FOR REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH.

ABSTRACT OF COST.

S. N.	Description	Quantity	Unit.	Plinth Area Rates for 2nd BI-ANNUAL-2022 (1ST July TO 31st December 2022) DISTRICT LAYYAH. Rate B:Portion		P.H	E.I	Total Rate	Amount	Remarks.
1	2	3	4	5		6	7	8	9	10
	NON RESIDENTIAL PORTION.									
1	Cost of Revemping of THQ Hospital Kot Sultan District Layyah (Main OPD,Dignostic Block & Indoor Block i/c Gaynee Block) Brt. Link Lobby 20x15 = 300 Sft	1 300	No	Job Sft	Rs.	26841690 3598	227	-	-	-	-	Rs. ~~26841690.00~~ 27262937 3825/Sft	Rs. ~~26841690~~ 27262937 1147500	Plinth Area Rates for 2nd BI-ANNUAL-2022 (1ST July TO 31st December 2022) DISTRICT LAYYAH.
2	Construction of O.H.R 10000 gallon capacity	10000	Gln	P.Gln	Rs.	364						Rs. 364.00	Rs. 3640000	Analysis attached
3	P/Installation of vertical turbine pump 1/2 Cusec discharge against total head of 160 Ft laatest manufacture lowel assembling steel carbon, shaft coloumn pipes upto 81' coupled with 20 BHP Electric motor (Seimens/Alta/or equalvent) 1450 RPM 380/440 volts 50 cycles i/c cost of delta structure complete in all respect as required at site of work & as approved by the Engineer Incharge	1	No	Each	Rs.	5178200						Rs. ~~5178200.00~~ 508700	Rs. ~~5178200~~ 508700	Analysis attached
4	Pumping Chamber for Turbine & Purfication plant 1x(13-1/2x13-1/2)	182.25	Sft	P.Sft	Rs.	2601					93	Rs. 2694.00	Rs. 490982	Plinth Area Rates
5	Construction of Electric Panel Room for (16.50x16.50')	272.25	Sft	P.Sft	Rs.	2601					93	Rs. 2694.00	Rs. 733442	Plinth Area Rates
6	Construction of Room for Purification Plant (16.50x18')	297	Sft	P.Sft	Rs.	2601					93	Rs. 2694.00	Rs. 800118	Plinth Area Rates
7	Cost of RO water Filtration Plant with hyginic Ultra filtraion 4000 LPH .	1	No	Each	Rs.	1808100						Rs. 1808100.00	Rs. 1808100	Analysis attached
8	Cost of Chiller .	1	No	Each	Rs.	339100						Rs. 339100.00	Rs. 339100	Analysis attached

S. N.	Description	Quantity	Unit.	Plinth Area Rates for 2nd BI-ANNUAL-2022 (1ST July TO 31st December 2022) DISTRICT LAYYAH. Rate B:Portion		P.H	E.I	Total Rate	Amount	Remarks.
1	2	3	4	5		6	7	8	9	10
~~9~~	~~Cost of Emergency Fire Alarm System in Main QPD Block,Diagnostic & Indoor I/c Gaynee Block.~~	~~1 No~~	~~Job~~	~~Rs. 1104380~~				~~Rs. 1104380.00~~	~~Rs. 1104380~~	~~Detailed attached~~
								Total =	~~Rs. 40936012~~	41310879
	Recovery of Old Material	1 No	Job	Rs. 411881				Rs. 411881.00	Rs. 411881	
								Total =	~~Rs. 40524131~~	40898998
	~~Add: 10% External Development~~							~~2024542~~	~~Rs. 202454~~	
								Total =	~~Rs. 40726585~~	40898998
	Add:5% PRA Charges.								~~Rs. 2036329~~	2044950
	Add: WAPDA Connection Charges for 50 KV & 25 KV Transformer.								Rs. 2000000	
								G.Total.	~~Rs. 44762914~~	44943948
								~~44~~762900	~~Rs. 44.763(M)~~	

44.94

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ROUGH COST ESTIMATE FOR THE WORK "FOR REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH.

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

(GENERAL ABSTRACT)

Sr. No.	Description		Amount
1	Improvement & Renovation of Building	Rs.	~~1929734~~0.00 18180138
2	Electric Installation.	Rs.	~~2552397.00~~ 4986802
3	Sanitry Fitting.	Rs.	~~3379000.00~~ 2880140
4	External Water Supply	Rs.	~~831156.00~~ 421791
	Total.	Rs.	~~26059893.00~~ 26468871
	Add: 3% Contingency	Rs.	~~781797.00~~ 794066
	G.Total		~~26841690.00~~ 27262937

Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ROUGH COST ESTIMATE FOR THE WORK "FOR REVAMPING OF HEALTH FACILITY OF TEHSIL HEAD QUARTER HOSPITAL KOT SULTAN DISTRICT LAYYAH.

MRS 2nd BI-ANNUAL-2022 (1ST July TO 31st December 2022) DISTRICT LAYYAH.

1 Dismantling cement concrete 1:2:4 plain.

Main (OPD Block)						
SMO Room	1 x1	x24-2/3	x13	x 1/8	=	40.08 Cft.
Bath	1 x1	x6	x6	x 1/8	=	4.50 Cft.
Medical out door	1 x1	x24-2/3	x13	x 1/8	=	40.08 Cft.
Bath	1 x1	x6	x6	x 1/8	=	4.50 Cft.
Surgical out door	1 x1	x24-2/3	x13	x 1/8	=	40.08 Cft.
Bath	1 x1	x6	x6	x 1/8	=	4.50 Cft.
Store	1 x1	x24-2/3	x13	x 1/8	=	40.08 Cft.
Bath	1 x1	x6	x6	x 1/8	=	4.50 Cft.
Child out door	1 x1	x24-2/3	x13	x 1/8	=	40.08 Cft.
Bath	1 x1	x6	x6	x 1/8	=	4.50 Cft.
D2	1 x4	x5	x1-1/8	x 1/8	=	2.81 Cft.
D5	1 x2	x3	x1-1/8	x 1/8	=	0.84 Cft.
D5	1 x6	x3	x 3/4	x 1/8	=	1.69 Cft.
Diagnostic Block (Xray lab & OTS)						
X.ray	1 x1	x11	x12	x 1/8	=	16.50 Cft.
Store	1 x1	x9	x9-1/8	x 1/8	=	10.27 Cft.
Dark room	1 x1	x9	x9-1/8	x 1/8	=	10.27 Cft.
X.ray	1 x1	x16-1/4	x12-1/2	x 1/8	=	25.39 Cft.
Homo. Dr. room	1 x1	x11-1/4	x12	x 1/8	=	16.88 Cft.
Open area	1 x1	x7	x7	x 1/8	=	6.13 Cft.
Bath	1 x1	x7	x4-5/8	x 1/8	=	4.05 Cft.
Lab.	1 x1	x7-3/4	x12-1/2	x 1/8	=	12.11 Cft.
Lab.	1 x1	x9	x12-1/2	x 1/8	=	14.06 Cft.
Disp	1 x1	x9-7/8	x11-3/4	x 1/8	=	14.50 Cft.
Disp	1 x1	x22	x12	x 1/8	=	33.00 Cft.
Dent.Room	1 x1	x10-3/4	x12	x 1/8	=	16.13 Cft.
Computer Room	1 x1	x7-7/8	x11-3/4	x 1/8	=	11.57 Cft.
Dent.Room	1 x1	x6-3/8	x11-3/4	x 1/8	=	9.36 Cft.
"	1 x1	x13-1/2	x11-3/4	x 1/8	=	19.83 Cft.
D2	1 x3	x5	x1-1/8	x 1/8	=	2.11 Cft.
D4	1 x8	x3-1/2	x1-1/8	x 1/8	=	3.94 Cft.
Indoor Patient Block (Male & Female Ward)						
Femal Doctor	1 x1	x10-7/8	x17	x 1/8	=	23.11 Cft.
O.Th.	1 x1	x14	x15-1/4	x 1/8	=	26.69 Cft.
Change room	1 x1	x7-5/8	x7-1/4	x 1/8	=	6.91 Cft.
Dark room	1 x1	x7-5/8	x7-1/4	x 1/8	=	6.91 Cft.
Store	1 x1	x12-1/4	x17	x 1/8	=	26.03 Cft.
"	1 x1	x22	x17	x 1/8	=	46.75 Cft.
D1	1 x2	x5-1/2	x1-1/8	x 1/8	=	1.55 Cft.
D2	1 x4	x5	x1-1/8	x 1/8	=	2.81 Cft.
D4	1 x1	x3-1/2	x 3/4	x 1/8	=	0.33 Cft.
D5	1 x2	x3	x 3/4	x 1/8	=	0.56 Cft.
			Total			595.99 Sft.
					@Rs.11174.60%Cft	**Rs. 66599/-**

2 Dismantling glazed or encaustic tiles, etc.

Diagnostic Block (Xray lab & OTS)						
Bath	~~1 x1~~	~~x9-1/4~~	~~x12~~		=	~~111 Sft.~~
	1 x2	x(9-1/4	+12)	x5	=	213 Sft.
Store	~~1 x1~~	~~x8-7/8~~	~~x12~~		=	~~107 Sft.~~
Bath	~~1 x1~~	~~x5-1/4~~	~~x4-1/4~~		=	~~22 Sft.~~
	1 x2	x(5-1/4	+4-1/4)	x5	=	95 Sft.
Bath	~~1 x1~~	~~x7~~	~~x4-5/8~~		=	~~32 Sft.~~
Lav.	1 x2	x(7	+4-5/8)	x5	=	116 Sft.
D4	~~1 x5~~	~~x3-1/2~~	~~x1-1/8~~		=	~~20 Sft.~~
"	~~1 x1~~	~~x3-1/2~~	~~x 3/4~~		=	~~3 Sft.~~
	~~1 x2~~	~~x3-1/2~~	~~x 3/8~~		=	~~3 Sft.~~
Indoor Patient Block (Male & Female Ward)						
Male ward	~~1 x1~~	~~x18-1/4~~	~~x14-1/2~~		=	~~265 Sft.~~

	1 x2	x(18-1/4	+14-1/2)	x4	=	262 Sft.
LHV	1 x1	x19-3/4	x16		=	316 Sft.
	1 x2	x(19-3/4	+16)	x4	=	286 Sft.
Male ward	1 x1	x22-1/4	x17		=	378 Sft.
	1 x2	x(22-1/4	+17)	x4	=	314 Sft.
Nursing station	1 x1	x7-7/8	x9		=	71 Sft.
	1 x2	x(7-7/8	+9)	x4	=	135 Sft.
Head nursing	1 x1	x7-7/8	x5-1/2		=	43 Sft.
	1 x2	x(7-7/8	+5-1/2)	x4	=	107 Sft.
Passage	1 x1	x85-1/2	x6 1/2		=	556 Sft.
	1 x2	x(85-1/2	+6-1/2)	x4	=	736 Sft.
Bath	1 x2	x4-7/8	x4-7/8		=	48 Sft.
	2 x2	x(4-7/8	+4-7/8)	x4	=	156 Sft.
Gallary	1 x1	x11-1/4	x4-1/4		=	48 Sft.
	1 x2	x(11-1/4	+4-1/4)	x4	=	124 Sft.
Lav.	1 x1	x9 7/8	x6-5/8		=	65 Sft.
	1 x2	x(9-7/8	+6-5/8)	x4	=	132 Sft.
Bath	1 x2	x5-3/4	x4-7/8		=	56 Sft.
	2 x2	x(5-3/4	+4-7/8)	x4	=	170 Sft.
Gallary	1 x1	x11-1/4	x3-3/8		=	38 Sft.
	1 x2	x(11-1/4	+3-3/8)	x4	=	117 Sft.
Lav.	1 x1	x9-3/4	x6-3/4		=	66 Sft.
	1 x2	x(9-3/4	+6-3/4)	x4	=	132 Sft.
Bath	1 x2	x3 1/4	x8-1/2		=	55 Sft.
	2 x2	x(3-1/4	+8-1/2)	x4	=	188 Sft.
Lav.	1 x1	x7 1/8	x7-3/4		=	55 Sft.
	1 x2	x(7-1/8	+7-3/4)	x4	=	119 Sft.
Bath	1 x2	x3-1/4	x7 1/4		=	47 Sft.
	2 x2	x(3-1/4	+7-1/4)	x4	=	168 Sft.
Lav.	1 x1	x7-1/8	x6		=	43 Sft.
	1 x2	x(7-1/8	+6)	x4	=	105 Sft.
D2	1 x3	x5	x1-1/8		=	17 Sft.
"	1 x1	x5	x 3/4		=	4 Sft.
D4	1 x4	x3 1/2	x1-1/8		=	16 Sft.
D5	1 x10	x3	x 3/4		=	23 Sft.
Gaynee Ward						
Waiting hall	1 x1	x10-1/2	x19-5/8		=	206 Sft.
	1 x1	x10-1/2	x13		=	137 Sft.
Store	1 x1	x10-3/4	x14-1/4		=	153 Sft.
Gaynee Ward	1 x1	x10-3/4	x20		=	215 Sft.
Nursing station	1 x1	x11	x18-7/8		=	208 Sft.
Labour room	1 x1	x10-7/8	x14-3/4		=	160 Sft.
"	1 x1	x10	x14-3/4		=	148 Sft.
Gallary	1 x2	x6-1/4	x4-1/8		=	52 Sft.
Store	1 x1	x9-5/8	x10-5/8		=	102 Sft.
Day care	1 x1	x21-3/4	x7-1/2		=	163 Sft.
Linen Store	1 x1	x6-3/8	x5		=	32 Sft.
"	1 x1	x10-1/2	x4-7/8		=	51 Sft.
Gallary	1 x1	x5-3/4	x4-3/8		=	25 Sft.
Corridor	1 x1	x34-1/4	x7-1/4		=	248 Sft.
Waiting	1 x1	x20	x13		=	260 Sft.
Bath	1 x4	x5	x4		=	80 Sft.
	4 x2	x(5	+4)	x4	=	288 Sft.
Lav.	1 x1	x9-5/8	x18-1/4		=	176 Sft.
	1 x2	x(9-5/8	+18-1/4)	x4	=	223 Sft.
Bath	1 x1	x6	x7 1/4		=	44 Sft.
	1 x2	x(6	+7-1/4)	x4	=	106 Sft.
Bath	1 x2	x6	x4-3/4		=	57 Sft.
	2 x2	x(6	+4-3/4)	x4	=	172 Sft.
Bath	1 x2	x6	x4-1/2		=	54 Sft.
	2 x2	x(6	+4-1/2)	x4	=	168 Sft.
D1	1 x4	x5-1/2	x1-1/8		=	25 Sft.
D2	1 x2	x5	x 3/4		=	8 Sft.
D3	1 x2	x4	x 3/4		=	6 Sft.
D4	1 x3	x3-1/2	x 3/4		=	8 Sft.
D5	1 x11	x3	x 3/4		=	25 Sft.

			Total			~~9783~~ Sft.	
					~~@Rs.2335.85%Sft~~		~~Rs. 228516/-~~

3 Removing door with chowkat.

Main (OPD Block)							
D5	1 x6				=	6 No.	
Diagnostic Block (Xray lab & OTS)							
D2	1 x1				=	1 No.	
"	1 x2				=	2 No.	
D4	1 x17				=	17 No.	
Indoor Patient Block (Male & Female Ward)							
D1	1 x2				=	2 No.	
D2	1 x7				=	7 No.	
D4	1 x4				=	4 No.	
D5	1 x12				=	12 No.	
Gaynee Ward							
D1	1 x3				=	3 No.	
D2	1 x4				=	4 No.	
D3	1 x2				=	2 No.	
D4	1 x2				=	2 No.	
D5	1 x9				=	9 No.	
			Total			**71 No.**	
					@Rs.438.00/Each		**Rs. 31098/-**

4 Removing windows and sky lights with chowkat.

Main (OPD Block)							
W1	1 x26				=	26 No.	
Diagnostic Block (Xray lab & OTS)							
W1	1 x33				=	33 No.	
W	1 x2				=	2 No.	
Indoor Patient Block (Male & Female Ward)							
W1	1 x39				=	39 No.	
W10	1 x1				=	1 No.	
V1	1 x11				=	11 No.	
Gaynee Ward							
W3	1 x1				=	1 No.	
W4	1 x18				=	18 No.	
V1	1 x6				=	6 No.	
			Total			**137 No.**	
					@Rs.341.50/Each		**Rs. 46786/-**

5 Dismantling brick work in lime or cement mortar.

Diagnostic Block (Xray lab & OTS)							
For Waiting Shelves walls	1 x1	x4	x 3/8	x2-1/2	=	4 Cft.	
For shelves walls	1 x20	x8	x 3/8	x2-1/2	=	150 Cft.	
			Total		=	**154 Cft.**	
					@Rs.4317.45%Cft		**Rs. 6649/-**

6 Removing mud plaster from walls.

Main (OPD Block)						
Inner Side W.Hall	1 x2	x(39-7/8	+40-3/4)	x5	=	806 Sft.
WMO	1 x2	x(24-2/3	+13)	x4	=	301 Sft.
Surg.out door	1 x2	x(24-2/3	+13)	x5	=	377 Sft.
Diagnostic Block (Xray lab & OTS)						
X.ray room	1 x2	x(16-1/4	+12-1/2)	x5	=	288 Sft.
Dispensary	1 x2	x(22	+12)	x5	=	340 Sft.
Dental room	1 x2	x(10-3/4	+12)	x5	=	228 Sft.
Computer room	1 x2	x(7-7/8	+11-3/4)	x4	=	157 Sft.
Corridor	1 x2	x(40	+10)	x5	=	500 Sft.
Indoor Patient Block (Male & Female Ward)						
Female Doctor	1 x2	x(16-7/8	+17)	x5	=	339 Sft.
Op.Theather	1 x2	x(14	+15-1/4)	x5	=	293 Sft.
LHV	1 x2	x(19-3/4	+16)	x4	=	286 Sft.
Store	1 x2	x(22	+17)	x5	=	390 Sft.
Passage	1 x2	x(85-1/2	+6)	x4	=	732 Sft.
Gaynee Ward						
Waiting Hall	1 x2	x(10-1/2	+20)	x4	=	244 Sft.
Labour room	2 x2	x(10-7/8	+14-3/4)	x5	=	513 Sft.
Gaynee room	1 x2	x(10-3/4	+20)	x4	=	246 Sft.

Corridor	1 x2	x(34-1/4	+7-1/4)	x5	=	415 Sft.
				Total	=	6455 Sft.
				@Rs.423.30%Sft		Rs. 27324/-

7 Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

Main (OPD Block)						
SMO Room	1 x1	x24-2/3	x13	x 1/4	=	80 Cft.
Bath	1 x1	x6	x6	x 1/4	=	9 Cft.
Medical out door	1 x1	x24-2/3	x13	x 1/4	=	80 Cft.
Bath	1 x1	x6	x6	x 1/4	=	9 Cft.
Surgical out door	1 x1	x24-2/3	x13	x 1/4	=	80 Cft.
Bath	1 x1	x6	x6	x 1/4	=	9 Cft.
Store	1 x1	x24-2/3	x13	x 1/4	=	80 Cft.
Bath	1 x1	x6	x6	x 1/4	=	9 Cft.
Child out door	1 x1	x24-2/3	x13	x 1/4	=	80 Cft.
Bath	1 x1	x6	x6	x 1/4	=	9 Cft.
Diagnostic Block (Xray lab & OTS)						
X.ray	1 x1	x11	x12	x 1/4	=	33 Cft.
Store	1 x1	x9	x9-1/8	x 1/4	=	21 Cft.
Dark room	1 x1	x9	x9-1/8	x 1/4	=	21 Cft.
X.ray	1 x1	x16-1/4	x12-1/2	x 1/4	=	51 Cft.
Homo. Dr. room	1 x1	x11-1/4	x12	x 1/4	=	34 Cft.
Open area	1 x1	x7	x7	x 1/4	=	12 Cft.
Bath	1 x1	x7	x4-5/8	x 1/4	=	8 Cft.
Lab.	1 x1	x7-3/4	x12-1/2	x 1/4	=	24 Cft.
Lab.	1 x1	x9	x12-1/2	x 1/4	=	28 Cft.
Disp	1 x1	x9-7/8	x11-3/4	x 1/4	=	29 Cft.
Disp	1 x1	x22	x12	x 1/4	=	66 Cft.
Dent.Room	1 x1	x10-3/4	x12	x 1/4	=	32 Cft.
Computer Room	1 x1	x7-7/8	x11-3/4	x 1/4	=	23 Cft.
Dent.Room	1 x1	x6-3/8	x11-3/4	x 1/4	=	19 Cft.
"	1 x1	x13-1/2	x11-3/4	x 1/4	=	40 Cft.
Bath	1 x1	x9-1/4	x12	x 1/4	=	28 Cft.
Store	1 x1	x8-7/8	x12	x 1/4	=	27 Cft.
Bath	1 x1	x5-1/4	x4-1/4	x 1/4	=	6 Cft.
Bath	1 x1	x7	x4-5/8	x 1/4	=	8 Cft.
Indoor Patient Block (Male & Female Ward)						
Femal Doctor	1 x1	x10-7/8	x17	x 1/4	=	46 Cft.
O.Th.	1 x1	x14	x15-1/4	x 1/4	=	53 Cft.
Change room	1 x1	x7-5/8	x7-1/4	x 1/4	=	14 Cft.
Dark room	1 x1	x7-5/8	x7-1/4	x 1/4	=	14 Cft.
Store	1 x1	x12-1/4	x17	x 1/4	=	52 Cft.
"	1 x1	x22	x17	x 1/4	=	94 Cft.
Male ward	1 x1	x18-1/4	x14-1/2	x 1/4	=	66 Cft.
LHV	1 x1	x19-3/4	x16	x 1/4	=	79 Cft.
Male ward	1 x1	x22-1/4	x17	x 1/4	=	95 Cft.
Nursing station	1 x1	x7-7/8	x9	x 1/4	=	18 Cft.
Passage	1 x1	x85-1/2	x6-1/2	x 1/4	=	139 Cft.
Bath	1 x2	x4-7/8	x4-7/8	x 1/4	=	12 Cft.
Gallary	1 x1	x11-1/4	x4-1/4	x 1/4	=	12 Cft.
Lav.	1 x1	x9-7/8	x6-5/8	x 1/4	=	16 Cft.
Bath	1 x2	x5-3/4	x4-7/8	x 1/4	=	14 Cft.
Gallary	1 x1	x11-1/4	x3-3/8	x 1/4	=	9 Cft.
Lav.	1 x1	x9-3/4	x6-3/4	x 1/4	=	16 Cft.
Bath	1 x2	x3-1/4	x8-1/2	x 1/4	=	14 Cft.
Lav.	1 x1	x7-1/8	x7-3/4	x 1/4	=	14 Cft.
Bath	1 x2	x3-1/4	x7-1/4	x 1/4	=	12 Cft.
Lav.	1 x1	x7-1/8	x6	x 1/4	=	11 Cft.
Gaynee Ward						
Waiting hall	1 x1	x10-1/2	x19-5/8	x 1/4	=	52 Cft.
	1 x1	x10-1/2	x13	x 1/4	=	34 Cft.
Store	1 x1	x10-3/4	x14-1/4	x 1/4	=	38 Cft.
Gaynee Ward	1 x1	x10-3/4	x20	x 1/4	=	54 Cft.
Nursing station	1 x1	x11	x18-7/8	x 1/4	=	52 Cft.

Labour room	1 x1	x10-7/8	x14-3/4	x 1/4	=	40 Cft.
"	1 x1	x10	x14-3/4	x 1/4	=	37 Cft.
Gallary	1 x2	x6-1/4	x4-1/8	x 1/4	=	13 Cft.
Store	1 x1	x9-5/8	x10-5/8	x 1/4	=	26 Cft.
Day care	1 x1	x21-3/4	x7-1/2	x 1/4	=	41 Cft.
Linen Store	1 x1	x6-3/8	x5	x 1/4	=	8 Cft.
"	1 x1	x10-1/2	x4-7/8	x 1/4	=	13 Cft.
Gallary	1 x1	x5-3/4	x4-3/8	x 1/4	=	6 Cft.
Corridor	1 x1	x34-1/4	x7-1/4	x 1/4	=	62 Cft.
Waiting	1 x1	x20	x13	x 1/4	=	65 Cft.
Bath	1 x4	x5	x4	x 1/4	=	20 Cft.
Lav.	1 x1	x9-5/8	x18-1/4	x 1/4	=	44 Cft.
Bath	1 x1	x6	x7-1/4	x 1/4	=	11 Cft.
Bath	1 x2	x6	x4-3/4	x 1/4	=	14 Cft.
Bath	1 x2	x6	x4-1/2	x 1/4	=	14 Cft.
D1	1 x4	x5-1/2	x1-1/8	x 1/4	=	6 Cft.
D2	1 x2	x5	x 3/4	x 1/4	=	2 Cft.
D3	1 x2	x4	x 3/4	x 1/4	=	2 Cft.
D4	1 x3	x3-1/2	x 3/4	x 1/4	=	2 Cft.
D5	1 x11	x3	x 3/4	x 1/4	=	6 Cft.
			Total.		=	2417 Cft.
					@Rs.9284.40%Cft	Rs. 224404/-

8 Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4

Diagnostic Block (Xray lab & OTS)						
Almirah opening	1 x2	x6	x 3/4	x7	=	63 Cft.
	1 x2	x6-1/2	x 3/4	x6	=	59 Cft.
Nursing Counter	1 x2	x8	x2	x2-1/2	=	80 Cft.
Net Qty.			**Total.**		=	**202 Cft.**
					@Rs.31625.30%Cft	**Rs. 63883/-**

9 1/2" thick cement plaster 1:4 upto 20' (6.00 mm) height:-

Main (OPD Block)						
Inner Side W.Hall	1 x2	x(39-7/8	+40-3/4)	x5	=	806 Sft.
WMO	1 x2	x(24-2/3	+13)	x4	=	301 Sft.
Surg.out door	1 x2	x(24-2/3	+13)	x5	=	377 Sft.
Over roof gola	1 x2	x56-1/4	x4		=	450 Sft.
	1 x2	x42	x4		=	336 Sft.
Diagnostic Block (Xray lab & OTS)						
X.ray room	1 x2	x(16-1/4	+12-1/2)	x5	=	288 Sft.
Dispensary	1 x2	x(22	+12)	x5	=	340 Sft.
Dental room	1 x2	x(10-3/4	+12)	x5	=	228 Sft.
Computer room	1 x2	x(7-7/8	+11-3/4)	x4	=	157 Sft.
Corridor	1 x2	x(40	+10)	x5	=	500 Sft.
Almirah opening	1 x2	x6	x7		=	84 Sft.
	1 x2	x6-1/2	x6		=	78 Sft.
Nursing Counter	1 x2	x8	x2-1/2		=	40 Sft.
Over roof gola	1 x1	x92-1/2	x4		=	370 Sft.
	1 x2	x20-1/4	x4		=	162 Sft.
	1 x1	x6	x4		=	24 Sft.
	1 x1	x10	x4		=	40 Sft.
	1 x1	x13-1/4	x4		=	53 Sft.
	1 x1	x107-1/8	x4		=	429 Sft.
	1 x1	x6	x4		=	24 Sft.
	1 x1	x6	x4		=	24 Sft.
	1 x1	x4-1/4	x4		=	17 Sft.
Indoor Patient Block (Male & Female Ward)						1345
Female Doctor	1 x2	x(16-7/8	+17)	x5	=	339 Sft.
Op.Theather	1 x2	x(14	+15-1/4)	x5	=	293 Sft.
LHV	1 x2	x(19-3/4	+16)	x4	=	286 Sft.
Store	1 x2	x(22	+17)	x5	=	390 Sft.
Passage	1 x2	x(85-1/2	+6)	x4	=	732 Sft.
Gaynee Ward						
Waiting Hall	1 x2	x(10-1/2	+20)	x4	=	244 Sft.
Labour room	2 x2	x(10-7/8	+14-3/4)	x5	=	513 Sft.
Gaynee room	1 x2	x(10-3/4	+20)	x4	=	246 Sft.
Corridor	1 x2	x(34-1/4	+7-1/4)	x5	=	415 Sft.

Over roof gola	1 x2	x16-1/2	x4			=	132 Sft.
	1 x1	x23-1/2	x4			=	94 Sft.
	1 x1	x54	x4			=	216 Sft.
	1 x1	x42	x4			=	168 Sft.
	1 x1	x85-1/4	x4			=	341 Sft.
	1 x1	x19-1/4	x4			=	77 Sft.
	1 x1	x18-1/4	x4			=	73 Sft.
	1 x2	x11-1/2	x4			=	92 Sft.
	1 x2	x56-1/4	x4			=	450 Sft.
	1 x1	x44-7/8	x4			=	180 Sft.
	1 x1	x38-1/8	x4			=	153 Sft.
Gaynee Block							
Over roof gola	1 x1	x64-1/4	x4			=	257 Sft.
	1 x1	x51-3/8	x4			=	206 Sft.
	1 x1	x52	x4			=	208 Sft.
	1 x1	x19-5/8	x4			=	79 Sft.
	1 x1	x21-1/2	x4			=	86 Sft.
	1 x1	x19-3/8	x4			=	78 Sft.
	1 x1	x5-3/8	x4			=	22 Sft.
	1 x1	x15-7/8	x4			=	64 Sft.
	1 x1	x20	x4			=	80 Sft.
	1 x2	x45-1/2	x4			=	364 Sft.
	1 x2	x8	x4			=	64 Sft.
	1 x1	x48-3/8	x4			=	194 Sft.
						Total =	~~12264 Sft.~~ 1345
						@Rs.3241.60%Sft	~~Rs. 397550/-~~ 43600 = 43600

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

Main (OPD Block)							
SMO Room	1 x1	x24-2/3	x13	x 1/8		=	40 Cft.
Bath	1 x1	x6	x6	x 1/8		=	5 Cft.
Medical out door	1 x1	x24-2/3	x13	x 1/8		=	40 Cft.
Bath	1 x1	x6	x6	x 1/8		=	5 Cft.
Surgical out door	1 x1	x24-2/3	x13	x 1/8		=	40 Cft.
Bath	1 x1	x6	x6	x 1/8		=	5 Cft.
Store	1 x1	x24-2/3	x13	x 1/8		=	40 Cft.
Bath	1 x1	x6	x6	x 1/8		=	5 Cft.
Child out door	1 x1	x24-2/3	x13	x 1/8		=	40 Cft.
Bath	1 x1	x6	x6	x 1/8		=	5 Cft.
D2	1 x4	x5	x1-1/8	x 1/8		=	3 Cft.
D5	1 x2	x3	x1-1/8	x 1/8		=	1 Cft.
D5	1 x6	x3	x 3/4	x 1/8		=	2 Cft.
Over roof gola	1 x2	x56-1/4	x 1/2	x 1/4	x 1/4	=	4 Cft.
	1 x2	x42	x 1/2	x 1/4	x 1/4	=	3 Cft.
Diagnostic Block (Xray lab & OTS)							
X.ray	1 x1	x11	x12	x 1/8		=	17 Cft.
Store	1 x1	x9	x9-1/8	x 1/8		=	10 Cft.
Dark room	1 x1	x9	x9-1/8	x 1/8		=	10 Cft.
X.ray	1 x1	x16-1/4	x12-1/2	x 1/8		=	25 Cft.
Homo. Dr. room	1 x1	x11-1/4	x12	x 1/8		=	17 Cft.
Open area	1 x1	x7	x7	x 1/8		=	6 Cft.
Bath	1 x1	x7	x4-5/8	x 1/8		=	4 Cft.
Lab.	1 x1	x7-3/4	x12-1/2	x 1/8		=	12 Cft.
Lab.	1 x1	x9	x12-1/2	x 1/8		=	14 Cft.
Disp	1 x1	x9-7/8	x11-3/4	x 1/8		=	15 Cft.
Disp	1 x1	x22	x12	x 1/8		=	33 Cft.
Dent.Room	1 x1	x10-3/4	x12	x 1/8		=	16 Cft.
Computer Room	1 x1	x7-7/8	x11-3/4	x 1/8		=	12 Cft.
Dent.Room	1 x1	x6-3/8	x11-3/4	x 1/8		=	9 Cft.
"	1 x1	x13-1/2	x11-3/4	x 1/8		=	20 Cft.
Bath	1 x1	x9-1/4	x12	x 1/8		=	14 Cft.
Store	1 x1	x8-7/8	x12	x 1/8		=	13 Cft.
Bath	1 x1	x5-1/4	x4-1/4	x 1/8		=	3 Cft.
Bath	1 x1	x7	x4-5/8	x 1/8		=	4 Cft.

D2	1 x3	x5	x1-1/8	x 1/8		=	2 Cft.
D4	1 x8	x3-1/2	x1-1/8	x 1/8		=	4 Cft.
Over roof gola	1 x1	x92-1/2	x 1/2	x 1/4	x 1/4	=	3 Cft.
	1 x2	x20-1/4	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x6	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x10	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x13-1/4	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x107-1/8	x 1/2	x 1/4	x 1/4	=	3 Cft.
	1 x1	x6	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x6	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x4-1/4	x 1/2	x 1/4	x 1/4	=	0 Cft.
Indoor Patient Block (Male & Female Ward)							
Femal Doctor	1 x1	x10-7/8	x17	x 1/8		=	23 Cft.
O.Th.	1 x1	x14	x15-1/4	x 1/8		=	27 Cft.
Change room	1 x1	x7-5/8	x7-1/4	x 1/8		=	7 Cft.
Dark room	1 x1	x7-5/8	x7-1/4	x 1/8		=	7 Cft.
Store	1 x1	x12-1/4	x17	x 1/8		=	26 Cft.
"	1 x1	x22	x17	x 1/8		=	47 Cft.
Male ward	1 x1	x18-1/4	x14-1/2	x 1/8		=	33 Cft.
LHV	1 x1	x19-3/4	x16	x 1/8		=	40 Cft.
Male ward	1 x1	x22-1/4	x17	x 1/8		=	47 Cft.
Nursing station	1 x1	x7-7/8	x9	x 1/8		=	9 Cft.
Passage	1 x1	x85-1/2	x6-1/2	x 1/8		=	69 Cft.
Bath	1 x2	x4-7/8	x4-7/8	x 1/8		=	6 Cft.
Gallary	1 x1	x11-1/4	x4-1/4	x 1/8		=	6 Cft.
Lav.	1 x1	x9-7/8	x6-5/8	x 1/8		=	8 Cft.
Bath	1 x2	x5-3/4	x4-7/8	x 1/8		=	7 Cft.
Gallary	1 x1	x11-1/4	x3-3/8	x 1/8		=	5 Cft.
Lav.	1 x1	x9-3/4	x6-3/4	x 1/8		=	8 Cft.
Bath	1 x2	x3-1/4	x8-1/2	x 1/8		=	7 Cft.
Lav.	1 x1	x7-1/8	x7-3/4	x 1/8		=	7 Cft.
Bath	1 x2	x3-1/4	x7-1/4	x 1/8		=	6 Cft.
Lav.	1 x1	x7-1/8	x6	x 1/8		=	5 Cft.
Gaynee Ward							
Waiting hall	1 x1	x10-1/2	x19-5/8	x 1/8		=	26 Cft.
	1 x1	x10-1/2	x13	x 1/8		=	17 Cft.
Store	1 x1	x10-3/4	x14-1/4	x 1/8		=	19 Cft.
D1	1 x2	x5-1/2	x1-1/8	x 1/8		=	2 Cft.
D2	1 x4	x5	x1-1/8	x 1/8		=	3 Cft.
D4	1 x1	x3-1/2	x 3/4	x 1/8		=	0 Cft.
D5	1 x2	x3	x 3/4	x 1/8		=	1 Cft.
Over roof gola	1 x2	x16-1/2	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x23-1/2	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x54	x 1/2	x 1/4	x 1/4	=	2 Cft.
	1 x1	x42	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x85-1/4	x 1/2	x 1/4	x 1/4	=	3 Cft.
	1 x1	x19-1/4	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x18-1/4	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x2	x11-1/2	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x2	x56-1/4	x 1/2	x 1/4	x 1/4	=	4 Cft.
	1 x1	x44-7/8	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x38-1/8	x 1/2	x 1/4	x 1/4	=	1 Cft.
Gaynee Ward	1 x1	x10-3/4	x20	x 1/8		=	27 Cft.
Nursing station	1 x1	x11	x18-7/8	x 1/8		=	26 Cft.
Labour room	1 x1	x10-7/8	x14-3/4	x 1/8		=	20 Cft.
"	1 x1	x10	x14-3/4	x 1/8		=	18 Cft.
Gallary	1 x2	x6-1/4	x4-1/8	x 1/8		=	6 Cft.
Store	1 x1	x9-5/8	x10-5/8	x 1/8		=	13 Cft.
Day care	1 x1	x21-3/4	x7-1/2	x 1/8		=	20 Cft.
Linen Store	1 x1	x6-3/8	x5	x 1/8		=	4 Cft.
"	1 x1	x10-1/2	x4-7/8	x 1/8		=	6 Cft.
Gallary	1 x1	x5-3/4	x4-3/8	x 1/8		=	3 Cft.
Corridor	1 x1	x34-1/4	x7-1/4	x 1/8		=	31 Cft.
Waiting	1 x1	x20	x13	x 1/8		=	33 Cft.
Bath	1 x4	x5	x4	x 1/8		=	10 Cft.
Lav.	1 x1	x9-5/8	x18-1/4	x 1/8		=	22 Cft.

Bath	1 x1	x6	x7-1/4	x 1/8		=	5 Cft.
Bath	1 x2	x6	x4-3/4	x 1/8		=	7 Cft.
Bath	1 x2	x6	x4-1/2	x 1/8		=	7 Cft.
D1	1 x4	x5-1/2	x1-1/8	x 1/8		=	3 Cft.
D2	1 x2	x5	x 3/4	x 1/8		=	1 Cft.
D3	1 x2	x4	x 3/4	x 1/8		=	1 Cft.
D4	1 x3	x3-1/2	x 3/4	x 1/8		=	1 Cft.
D5	1 x11	x3	x 3/4	x 1/8		=	3 Cft.
Over roof gola	1 x1	x64-1/4	x 1/2	x 1/4	x 1/4	=	2 Cft.
	1 x1	x51-3/8	x 1/2	x 1/4	x 1/4	=	2 Cft.
	1 x1	x52	x 1/2	x 1/4	x 1/4	=	2 Cft.
	1 x1	x19-5/8	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x21-1/2	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x19-3/8	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x5-3/8	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x15-7/8	x 1/2	x 1/4	x 1/4	=	0 Cft.
	1 x1	x20	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x2	x45-1/2	x 1/2	x 1/4	x 1/4	=	3 Cft.
	1 x2	x8	x 1/2	x 1/4	x 1/4	=	1 Cft.
	1 x1	x48-3/8	x 1/2	x 1/4	x 1/4	=	2 Cft.
			Total.			=	1273 Cft.
						@Rs.38126.10%Cft	**Rs. 485345/-**

11 Reinforced cement concrete in roof slab, beams,columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)

Diagnostic Block (Xray lab & OTS)

Almirah shelves	1 x12	x6	x 1/4	=	18 Cft.
Waiting shelves	1 x2	x10	x 1/4	=	5 Cft.
	1 x2	x6	x 1/4	=	3 Cft.
			Total	=	26.00 Cft.
				@Rs.556.50/Cft	**Rs. 14469/-**

12 Fabrication of M.S reinforcement i/c cutting bending binding laying in postion making joints and fastenings inculding cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- b- deformad bars

Take Qty 6.75 Lbs/Cft ofabove Item

	26.00	x6.75	x0.454	=	80 Kg
				=	80 Kg
				@Rs.31409.15%Kg	**Rs. 25127/-**

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

Main (OPD Block)

W1	1 x26	x3	x3	=	234 Sft.
Diagnostic Block (Xray lab & OTS)					
W1	1 x33	x3	x3	=	297 Sft.
W	1 x2	x2	x6	=	24 Sft.
W3	1 x2	x6	x5-1/2	=	66 Sft.
Indoor Patient Block (Male & Female Ward)					
W1	1 x39	x3	x3	=	351 Sft.
W10	1 x1	x7	x7	=	49 Sft.
V1	1 x11	x1-1/2	x1-1/2	=	25 Sft.
Gaynee Ward					
W3	1 x1	x6	x6	=	36 Sft.
W4	1 x18	x4-1/2	x4-1/2	=	365 Sft.
V1	1 x6	x1-1/2	x1-1/2	=	14 Sft.
			Total	=	1461 Sft. 1248644/-
				@Rs.~~492.10/Sft~~ 854.65	**Rs. ~~718958/-~~**

14 Providing and fixing G.I. wire gauze 24 SWG, 12x12 meshes per square inch, fixed to steel windows or doors,etc., complete in all respects.

Diagnostic Block (Xray lab & OTS)					
Ver opening	2 x2	x6	x7	=	168 Sft.
			Total	=	168 Sft.
			@Rs.144.25/Sft		**Rs. 24234/-**

15 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer section thickness is 1.2 mm.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.

Main (OPD Block)					
W1	1 x26	x3	x3	=	234 Sft.
Diagnostic Block (Xray lab & OTS)					
W1	1 x33	x3	x3	=	297 Sft.
W	1 x2	x2	x6	=	24 Sft.
W3	1 x2	x6	x5-1/2	=	66 Sft.
Indoor Patient Block (Male & Female Ward)					
W1	1 x39	x3	x3	=	351 Sft.
W10	1 x1	x7	x7	=	49 Sft.
V1	1 x11	x1-1/2	x1-1/2	=	25 Sft.
Gaynee Ward					
W3	1 x1	x6	x6	=	36 Sft.
W4	1 x18	x4-1/2	x4-1/2	=	365 Sft.
V1	1 x6	x1-1/2	x1-1/2	=	14 Sft.
			Total	=	**1461 Sft.**
			@Rs.1348.40/Sft		**Rs. 1970012/-**

16 Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer/powder coated of size1-1/2"x1/2"and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge.

Main (OPD Block)					
W1	1 x26	x3	x3	=	234 Sft.
Diagnostic Block (Xray lab & OTS)					
W1	1 x33	x3	x3	=	297 Sft.
W	1 x2	x2	x6	=	24 Sft.
W3	1 x2	x6	x5-1/2	=	66 Sft.
Indoor Patient Block (Male & Female Ward)					
W1	1 x39	x3	x3	=	351 Sft.
W10	1 x1	x7	x7	=	49 Sft.
V1	1 x11	x1-1/2	x1-1/2	=	25 Sft.
Gaynee Ward					
W3	1 x1	x6	x6	=	36 Sft.
W4	1 x18	x4-1/2	x4-1/2	=	365 Sft.
V1	1 x6	x1-1/2	x1-1/2	=	14 Sft.
			Total	=	1461 Sft. = 730
730 Sft			**@Rs.493.05/Sft**	2	**Rs. ~~720346/-~~ 359927/-**

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17 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan sections thickness having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm

51 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.

Diagnostic Block (Xray lab & OTS)					
D2	1 x1	x5	x7	=	35 Sft.
D4	1 x5	x3-1/2	x7	=	123 Sft.
Indoor Patient Block (Male & Female Ward)					
D1	1 x2	x5-1/2	x7	=	77 Sft.
D2	1 x6	x5	x7	=	210 Sft.
D5	1 x1	x3	x7	=	21 Sft.
Gaynee ward DW1					
D1	1 x3	x5-1/2	x7	=	116 Sft.
D2	1 x4	x5	x7	=	140 Sft.
D3	1 x2	x4	x7	=	56 Sft.
D4	1 x2	x3-1/2	x7	=	49 Sft.
			Total	=	827 Sft.
				~~@Rs.1437.60/Sft~~	~~Rs. 1188895/-~~
				Rs 502.20	415319

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

Main (OPD Block)					
D5	1 x6	x3	x7	=	126 Sft.
Diagnostic Block (Xray lab & OTS)					
D4	1 x15	x3-1/2	x7	=	368 Sft.
Indoor Patient Block (Male & Female Ward)					
D5	1 x11	x3	x7	=	231 Sft.
Gaynee ward					
D5	1 x9	x3	x7	=	189 Sft.
			Total	=	914 Sft.
				@Rs.1200.00/Sft	Rs. 1096800/-

19 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm

Main (OPD Block)					
SMO Room	1 x1	x24-2/3	x13	=	321 Sft.
Bath	1 x1	x6	x6	=	36 Sft.
Medical out door	1 x1	x24-2/3	x13	=	321 Sft.
Bath	1 x1	x6	x6	=	36 Sft.
Surgical out door	1 x1	x24-2/3	x13	=	321 Sft.
Bath	1 x1	x6	x6	=	36 Sft.
Store	1 x1	x24-2/3	x13	=	321 Sft.
Bath	1 x1	x6	x6	=	36 Sft.
Child out door	1 x1	x24-2/3	x13	=	321 Sft.
Bath	1 x1	x6	x6	=	36 Sft.
D2	1 x4	x5	x1-1/8	=	23 Sft.
D5	1 x2	x3	x1-1/8	=	7 Sft.
D5	1 x6	x3	x 3/4	=	14 Sft.

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Diagnostic Block (Xray lab & OTS)					
X.ray	1 x1	x11	x12	=	132 Sft.
Store	1 x1	x9	x9-1/8	=	82 Sft.
Dark room	1 x1	x9	x9-1/8	=	82 Sft.
X.ray	1 x1	x16-1/4	x12-1/2	=	203 Sft.
Homo. Dr. room	1 x1	x11-1/4	x12	=	135 Sft.
Open area	1 x1	x7	x7	=	49 Sft.
Bath	1 x1	x7	x4-5/8	=	32 Sft.
Lab.	1 x1	x7-3/4	x12-1/2	=	97 Sft.
Lab.	1 x1	x9	x12-1/2	=	113 Sft.
Disp	1 x1	x9-7/8	x11-3/4	=	116 Sft.
Disp	1 x1	x22	x12	=	264 Sft.
Dent.Room	1 x1	x10-3/4	x12	=	129 Sft.
Computer Room	1 x1	x7-7/8	x11-3/4	=	93 Sft.
Dent.Room	1 x1	x6-3/8	x11-3/4	=	75 Sft.
"	1 x1	x13-1/2	x11-3/4	=	159 Sft.
Bath	1 x1	x9-1/4	x12	=	111 Sft.
Store	1 x1	x8-7/8	x12	=	107 Sft.
Bath	1 x1	x5-1/4	x4-1/4	=	22 Sft.
Bath	1 x1	x7	x4-5/8	=	32 Sft.
D2	1 x3	x5	x1-1/8	=	17 Sft.
D4	1 x8	x3-1/2	x1-1/8	=	32 Sft.
Indoor Patient Block (Male & Female Ward)					
Femal Doctor	1 x1	x10-7/8	x17	=	185 Sft.
O.Th.	1 x1	x14	x15-1/4	=	214 Sft.
Change room	1 x1	x7-5/8	x7-1/4	=	55 Sft.
Dark room	1 x1	x7-5/8	x7-1/4	=	55 Sft.
Store	1 x1	x12-1/4	x17	=	208 Sft.
"	1 x1	x22	x17	=	374 Sft.
Male ward	1 x1	x18-1/4	x14-1/2	=	265 Sft.
LHV	1 x1	x19-3/4	x16	=	316 Sft.
Male ward	1 x1	x22-1/4	x17	=	378 Sft.
Nursing station	1 x1	x7-7/8	x9	=	71 Sft.
Passage	1 x1	x85-1/2	x6-1/2	=	556 Sft.
Bath	1 x2	x4-7/8	x4-7/8	=	48 Sft.
Gallary	1 x1	x11-1/4	x4-1/4	=	48 Sft.
Lav.	1 x1	x9-7/8	x6-5/8	=	65 Sft.
Bath	1 x2	x5-3/4	x4-7/8	=	56 Sft.
Gallary	1 x1	x11-1/4	x3-3/8	=	38 Sft.
Lav.	1 x1	x9-3/4	x6-3/4	=	66 Sft.
Bath	1 x2	x3-1/4	x8-1/2	=	55 Sft.
Lav.	1 x1	x7-1/8	x7-3/4	=	55 Sft.
Bath	1 x2	x3-1/4	x7-1/4	=	47 Sft.
Lav.	1 x1	x7-1/8	x6	=	43 Sft.
Gaynee Ward					
Waiting hall	1 x1	x10-1/2	x19-5/8	=	206 Sft.
	1 x1	x10-1/2	x13	=	137 Sft.
Store	1 x1	x10-3/4	x14-1/4	=	153 Sft.
D1	1 x2	x5-1/2	x1-1/8	=	12 Sft.
D2	1 x4	x5	x1-1/8	=	23 Sft.
D4	1 x1	x3-1/2	x 3/4	=	3 Sft.
D5	1 x2	x3	x 3/4	=	5 Sft.
Gaynee Ward	1 x1	x10-3/4	x20	=	215 Sft.
Nursing station	1 x1	x11	x18-7/8	=	208 Sft.
Labour room	1 x1	x10-7/8	x14-3/4	=	160 Sft.
"	1 x1	x10	x14-3/4	=	148 Sft.
Gallary	1 x2	x6-1/4	x4-1/8	=	52 Sft.
Store	1 x1	x9-5/8	x10-5/8	=	102 Sft.
Day care	1 x1	x21-3/4	x7-1/2	=	163 Sft.
Linen Store	1 x1	x6-3/8	x5	=	32 Sft.
"	1 x1	x10-1/2	x4-7/8	=	51 Sft.
Gallary	1 x1	x5-3/4	x4-3/8	=	25 Sft.
Corridor	1 x1	x34-1/4	x7-1/4	=	248 Sft.
Waiting	1 x1	x20	x13	=	260 Sft.
Bath	1 x4	x5	x4	=	80 Sft.
Lav.	1 x1	x9-5/8	x18-1/4	=	176 Sft.

Bath	1 x1	x6	x7-1/4		=	44 Sft.
Bath	1 x2	x6	x4-3/4		=	57 Sft.
Bath	1 x2	x6	x4-1/2		=	54 Sft.
D1	1 x4	x5-1/2	x1-1/8		=	25 Sft.
D2	1 x2	x5	x 3/4		=	8 Sft.
D3	1 x2	x4	x 3/4		=	6 Sft.
D4	1 x3	x3-1/2	x 3/4		=	8 Sft.
D5	1 x11	x3	x 3/4		=	25 Sft.
			Total			9795 Sft.
				@Rs.340.50/Sft		**Rs. 3335198/-**

20 Providing and laying superb quality Porcelain glazed tiles of Master brand,skirting/dado of specified size,Color and Shade with adhesive/bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints,cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm

Main (OPD Block)

SMO Room	1 x1	x(24-2/3	+13)	x 1/2	=	19 Sft.
Bath	1 x1	x(6	+6)	x7	=	84 Sft.
Medical out door	1 x1	x(24-2/3	+13)	x 1/2	=	19 Sft.
Bath	1 x1	x(6	+6)	x7	=	84 Sft.
Surgical out door	1 x1	x(24-2/3	+13)	x 1/2	=	19 Sft.
Bath	1 x1	x(6	+6)	x7	=	84 Sft.
Store	1 x1	x(24-2/3	+13)	x 1/2	=	19 Sft.
Bath	1 x1	x(6	+6)	x7	=	84 Sft.
Child out door	1 x1	x(24-2/3	+13)	x 1/2	=	19 Sft.
Bath	1 x1	x(6	+6)	x7	=	84 Sft.

Diagnostic Block (Xray lab & OTS)

X.ray	1 x1	x(11	+12)	x 1/2	=	12 Sft.
Store	1 x1	x(9	+9-1/8)	x 1/2	=	9 Sft.
Dark room	1 x1	x(9	+9-1/8)	x 1/2	=	9 Sft.
X.ray	1 x1	x(16-1/4	+12-1/2)	x 1/2	=	14 Sft.
Homo. Dr. room	1 x1	x(11-1/4	+12)	x 1/2	=	12 Sft.
Open area	1 x1	x(7	+7)	x 1/2	=	7 Sft.
Bath	1 x1	x(7	+4-5/8)	x7	=	81 Sft.
Lab.	1 x1	x(7-3/4	+12-1/2)	x 1/2	=	10 Sft.
Lab.	1 x1	x(9	+12-1/2)	x 1/2	=	11 Sft.
Disp	1 x1	x(9-7/8	+11-3/4)	x 1/2	=	11 Sft.
Disp	1 x1	x(22	+12)	x 1/2	=	17 Sft.
Dent.Room	1 x1	x(10-3/4	+12)	x 1/2	=	11 Sft.
Computer Room	1 x1	x(7-7/8	+11-3/4)	x 1/2	=	10 Sft.
Dent.Room	1 x1	x(6-3/8	+11-3/4)	x 1/2	=	9 Sft.
"	1 x1	x(13-1/2	+11-3/4)	x 1/2	=	13 Sft.
Bath	1 x1	x(9-1/4	+12)	x7	=	149 Sft.
Store	1 x1	x(8-7/8	+12)	x 1/2	=	10 Sft.
Bath	1 x1	x(5-1/4	+4-1/4)	x7	=	67 Sft.
Bath	1 x1	x(7	+4-5/8)	x7	=	81 Sft.

Indoor Patient Block (Male & Female Ward)

Femal Doctor	1 x1	x(10-7/8	+17)	x 1/2	=	14 Sft.
O.Th.	1 x1	x(14	+15-1/4)	x 1/2	=	15 Sft.
Change room	1 x1	x(7-5/8	+7-1/4)	x 1/2	=	7 Sft.
Dark room	1 x1	x(7-5/8	+7-1/4)	x 1/2	=	7 Sft.
Store	1 x1	x(12-1/4	+17)	x 1/2	=	15 Sft.
"	1 x1	x(22	+17)	x 1/2	=	20 Sft.
Male ward	1 x1	x(18-1/4	+14-1/2)	x 1/2	=	16 Sft.
LHV	1 x1	x(19-3/4	+16)	x 1/2	=	18 Sft.
Male ward	1 x1	x(22-1/4	+17)	x 1/2	=	20 Sft.
Nursing station	1 x1	x(7-7/8	+9)	x 1/2	=	8 Sft.
Passage	1 x1	x(85-1/2	+6-1/2)	x6	=	552 Sft.
Bath	1 x2	x(4-7/8	+4-7/8)	x7	=	137 Sft.
Gallary	1 x1	x(11-1/4	+4-1/4)	x7	=	109 Sft.
Lav.	1 x1	x(9-7/8	+6-5/8)	x7	=	116 Sft.
Bath	1 x2	x(5-3/4	+4-7/8)	x7	=	149 Sft.

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

(i) 15 " wide

1151 Sft @ 70₹/- = 80800₹/-

Gallary	1 x1	x(11-1/4	+3-3/8)	x7	=	102 Sft.
Lav.	1 x1	x(9-3/4	+6-3/4)	x7	=	116 Sft.
Bath	1 x2	x(3-1/4	+8-1/2)	x7	=	165 Sft.
Lav.	1 x1	x(7-1/8	+7-3/4)	x7	=	104 Sft.
Bath	1 x2	x(3-1/4	+7-1/4)	x7	=	147 Sft.
Lav.	1 x1	x(7-1/8	+6)	x7	=	92 Sft.
Gaynee Ward						
Waiting hall	1 x1	x(10-1/2	+19-5/8)	x 1/2	=	15 Sft.
	1 x1	x(10-1/2	+13)	x 1/2	=	12 Sft.
Store	1 x1	x(10-3/4	+14-1/4)	x 1/2	=	13 Sft.
Gaynee room	1 x1	x(10-3/4	+20)	x 1/2	=	15 Sft.
Nursing station	1 x1	x(11	+18-7/8)	x 1/2	=	15 Sft.
Labour room	1 x1	x(10-7/8	+14-3/4)	x 1/2	=	13 Sft.
"	1 x1	x(10	+14-3/4)	x 1/2	=	12 Sft.
Gallary	1 x2	x(6-1/4	+4-1/8)	x 1/2	=	10 Sft.
Store	1 x1	x(9-5/8	+10-5/8)	x 1/2	=	10 Sft.
Day care	1 x1	x(21-3/4	+7-1/2)	x 1/2	=	15 Sft.
Linen Store	1 x1	x(6-3/8	+5)	x 1/2	=	6 Sft.
"	1 x1	x(10-1/2	+4-7/8)	x 1/2	=	8 Sft.
Gallary	1 x1	x(5-3/4	+4-3/8)	x 1/2	=	5 Sft.
Corridor	1 x1	x(34-1/4	+7-1/4)	x6	=	249 Sft.
Waiting	1 x1	x(20	+13)	x6	=	198 Sft.
Bath	1 x4	x(5	+4)	x7	=	252 Sft.
Lav.	1 x1	x(9-5/8	+18-1/4)	x7	=	195 Sft.
Bath	1 x1	x(6	+7-1/4)	x7	=	93 Sft.
Bath	1 x2	x(6	+4-3/4)	x7	=	151 Sft.
Bath	1 x2	x(6	+4-1/2)	x7	=	147 Sft.
			Total			4421 Sft.
					@Rs.340.50/Sft	**Rs. 1505351/-**

21 P/F1-1/2"thicksolidflushdoorcomprisingof 2.5mm thickCommercialplycompressedover2.5mmthickcomm ercialplyover1"thickpackingwoodinstyleandrailsunder properpressurei/cthecostofnails,towerbolt,handles,glu e,sawingcharges,Paintingcharges,sandpaperingand3/8 "thickmatchingwoodenlippingasapprovedanddirected bytheEngineer Incharge

~~D/F Sheet no 17. 827~~

Diagnostic Block (Xray lab & OTS)					
D4	1 x9	x3-1/4	x6-7/8	=	201 Sft.
Indoor Patient Block (Male & Female Ward)					
D2	1 x1	x4-7/8	x6-7/8	=	34 Sft.
D4	1 x4	x3-1/4	x6-7/8	=	89 Sft.
			Total	=	~~324~~ Sft.
				@Rs.502.20/Sft	**Rs. ~~462713/-~~**

162713

~~324~~ 451 324

22 Providing & fixing 3/4"dia heavy duty sliding bolt of specifiedmaterial i/c the cost of hardware complete in all respect as approved anddirected by the Engineer Incharge iron sliding bolts 12"long to door.

Diagnostic Block (Xray lab & OTS)			
	1 x 9	=	9 No.
Indoor Patient Block (Male & Female Ward)			
"	1 x 5	=	5 No.
	Total	=	14 Nos.
		@Rs. 470.00/Each	**Rs. 6580/-**

23 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

Main (OPD Block)					
For ramp side	2 x2	x10		=	40 Rft.

For Step	1 x2	x3		=	6 Rft.
Diagnostic Block (Xray lab & OTS)					
For ramp side	1 x1	x60		=	60 Rft.
"	1 x1	x50		=	50 Rft.
For Step	2 x2	x3		=	12 Rft.
Indoor Patient Block (Male & Female Ward)					
For podium	1 x1	x45		=	45 Rft.
	1 x1	x35		=	35 Rft.
For Ramp	1 x2	x10		=	20 Rft.
	1 x2	x10		=	20 Rft.
For Step	1 x1	x3		=	3 Rft.
	1 x2	x20		=	40 Rft.
Gaynee Ward					
For ramp side	1 x2	x13		=	26 Rft.
	1 x2	x20		=	40 Rft.
For podium	1 x1	x15		=	15 Rft.
	1 x1	x10		=	10 Rft.
				Total =	**422 Rft.**
				@Rs.2361.45/Rft	**Rs. 996532/-**

24 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.
(Non-Skid Chequred Tiles) 300mmx300mm

Main (OPD Block)						
Ramp	1 x2	x15	x10		=	300 Sft.
Diagnostic Block (Xray lab & OTS)						
Ramp	1 x1	x10	x20		=	200 Sft.
Indoor Patient Block (Male & Female Ward)						
Ramp	1 x1	x10	x10		=	100 Sft.
"	1 x1	x10	x5		=	50 Sft.
"	1 x1	x20	x6		=	120 Sft.
Gaynee Ward						
Ramp	1 x1	x16	x13		=	208 Sft.
"	1 x1	x20	x15		=	300 Sft.
				Total		**1278 Sft.**
					@Rs.211.55/Sft	**Rs. 270361/-**

25 Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- ii) G.I. sheet, 18 SWG

Diagnostic Block (Xray lab & OTS)					
Vertically	1 x2	x2		=	4 Rft.
Indoor Patient Block (Male & Female Ward)					
Vertically	1 x2	x2		=	4 Rft.
Gaynee Block					
Vertically	1 x2	x2		=	4 Rft.
			Total		**12 Rft.**
				@Rs.233.45/Rft	**Rs. 2801/-**

26 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:-a) On interior surface (without mastic strip)

Diagnostic Block (Xray lab & OTS)					
Horizentally	1 x2	x6		=	12 Rft.
Indoor Patient Block (Male & Female Ward)					
Horizentally	1 x2	x6		=	12 Rft.
Gaynee Block					
Horizentally	1 x2	x7-1/4		=	15 Rft.
			Total		**39 Rft.**
				@Rs.147.30/Rft	**Rs. 5745/-**

b) On exterior surface (with mastic strip)

Diagnostic Block (Xray lab & OTS)					
Horizentally	1 x2	x8-1/4		=	17 Rft.
Indoor Patient Block (Male & Female Ward)					
Horizentally	1 x2	x8-1/4		=	17 Rft.
Gaynee Block					
Horizentally	1 x2	x9-1/2		=	19 Rft.
			Total		53 Rft.
				@Rs.155.70/Rft	**Rs. 8252/-**

27 Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.

Diagnostic Block (Xray lab & OTS)					
Horizentally	1 x2	x8-1/4		=	17 Rft.
Indoor Patient Block (Male & Female Ward)					
Horizentally	1 x2	x8-1/4		=	17 Rft.
Gaynee Block					
Horizentally	1 x2	x9-1/2		=	19 Rft.
			Total		53 Rft.
				@Rs.281.25/Rft	**Rs. 14906/-**

28 Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortor i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. ii)3/4" thick (12"x24"/12"x36")

Main Building (OPD Block)					
Podium	1 x1	x15	x10	=	150 Sft.
Steps	1 x3	x15	x1-1/8	=	51 Sft.
Diagnostic Block (Xray lab & OTS)					
Steps	1 x2	x10	x1-1/8	=	23 Sft.
Steps	1 x2	x6-1/4	x1-1/8	=	14 Sft.
Indoor Patient Block (Male & Female Ward)					
Podium	1 x1	x50	x35	=	1750 Sft.
Steps	1 x2	x25	x1-1/8	=	56 Sft.
Gaynee Block					
Podium	1 x1	x20	x5	=	100 Sft.
Steps	1 x2	x13-1/2	x2	=	54 Sft.
Podium	1 x1	x15	x10	=	150 Sft.
			Total	=	2348 Sft.
				@Rs.368.70/Sft	**Rs. 865708/-**

29 Providing and laying 3/8" thick Prepolished Marble skirting /risers having uniform texture (spotless) of size 24"x6" of approved quality and shade withad hesive bond over 3/4" thick (1:2) cement sand mortor complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge.i) China Verona

Main Building (OPD Block)					
Steps	1 x4	x15	x 1/2	=	30 Sft.
Diagnostic Block (Xray lab & OTS)					
Steps	1 x3	x10	x 1/2	=	15 Sft.
Steps	1 x3	x6-1/4	x 1/2	=	9 Sft.
Indoor Patient Block (Male & Female Ward)					
Steps	1 x3	x25	x 1/2	=	38 Sft.
			Total	=	92 Sft.
				@Rs.204.55/Sft	**Rs. 18819/-**

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

Main Building (OPD Block)						
W1	1 x26	x3	x1-1/2		=	117 Sft.
Diagnostic Block (Xray lab & OTS etc)						
W1	1 x33	x3	x1-1/2		=	149 Sft.
W	1 x2	x2	x1-1/2		=	6 Sft.
Indoor Patient Block (Male & Female Ward)						
W1	1 x39	x3	x1-1/2		=	176 Sft.
W10	1 x1	x7	x1-1/2		=	11 Sft.
V1	1 x11	x1-1/2	x1-1/2		=	25 Sft.
W1 Shelves	1 x2	x3-1/4	x2-1/4		=	15 Sft.
Nurse counter	1 x2	x6	x2		=	24 Sft.
	1 x2	x6	x2-1/2		=	30 Sft.
			Total		=	553 Sft.
				@Rs.412.30/Sft		**Rs. 228002/-**

31 Preparing surface and painting with emulsion paint:- 2 coats i/c Scraping:- a) White wash or colour wash.

Main Building (OPD Block)						
Waiting Hall	1 x2	x(39-7/8	+40-3/4)	x7	=	1129 Sft.
SMO Room	1 x2	x(24-2/3	+13)	x11-1/2	=	866 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
Medical out door	1 x2	x(24-2/3	+13)	x11-1/2	=	866 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
Surg.out door	1 x2	x(24-2/3	+13)	x11-1/2	=	866 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
WMO	1 x2	x(24-2/3	+13)	x11-1/2	=	866 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
Store/Doctor	1 x2	x(24-2/3	+13)	x11-1/2	=	866 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
Child out door	1 x2	x(24-2/3	+13)	x11-1/2	=	866 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
Diagnostic Block (Xray lab & OTS etc)						
X-ray room	1 x2	x(11-1/8	+12)	x11-1/2	=	532 Sft.
Store	1 x2	x(8-7/8	+12)	x11-1/2	=	480 Sft.
X-ray room	1 x2	x(16-1/4	+12-1/2)	x11-1/2	=	661 Sft.
Store	1 x2	x(9	+5-1/8)	x11-1/2	=	325 Sft.
Dark room	1 x2	x(9	+6)	x11-1/2	=	345 Sft.
Labtory	1 x2	x(7-3/4	+12-1/2)	x11-1/2	=	466 Sft.
"	1 x2	x(9-1/8	+11-1/2)	x11-1/2	=	474 Sft.
Bath	1 x2	x(7	+4-5/8)	x5	=	116 Sft.
Homo Dr. room	1 x2	x(11-3/8	+12)	x11-1/2	=	538 Sft.
Open area	1 x2	x(7	+7)	x11-1/2	=	322 Sft.
Main Entr.	1 x2	x(10	+12-3/4)	x7	=	319 Sft.
Waiting	1 x2	x(16-1/8	+13-1/4)	x7	=	411 Sft.
Disp.	1 x2	x(22	+12)	x11-1/2	=	782 Sft.
Bath	1 x2	x(5	+4-1/2)	x5	=	95 Sft.
Disp.	1 x2	x(9-7/8	+11-3/4)	x11-1/2	=	497 Sft.
Computer room	1 x2	x(7-7/8	+11-3/4)	x11-1/2	=	451 Sft.
Dental room	1 x2	x(10-3/4	+12)	x11-1/2	=	523 Sft.
"	1 x2	x(6-1/8	+11-3/4)	x11-1/2	=	411 Sft.
Bath	1 x2	x(5-1/4	+12)	x5	=	173 Sft.
Dental room	1 x2	x(13-1/2	+11-3/4)	x11-1/2	=	581 Sft.
Corridor	1 x2	x(51-3/8	+10)	x7	=	859 Sft.
"	1 x2	x(40-3/8	+6-1/4)	x7	=	653 Sft.
Indoor Patient Block						
Passage	1 x2	x(34-3/8	+6-5/8)	x7	=	574 Sft.
Male ward	1 x2	x(18-1/4	+14-1/2)	x11-1/2	=	753 Sft.
"	1 x2	x(23-1/4	+17)	x11-1/2	=	926 Sft.
Bath	2 x2	x(3-1/3	+7-1/4)	x5	=	212 Sft.
Lav	1 x2	x(7-1/8	+6-1/2)	x5	=	136 Sft.
Bath	1 x2	x(3-1/3	+8-1/2)	x5	=	118 Sft.
Lav	1 x2	x(7-1/8	+8-1/2)	x5	=	156 Sft.
Nursing Station	1 x2	x(7-3/4	+9)	x11-1/2	=	385 Sft.
Head nursing	1 x2	x(7-3/4	+5-1/8)	x11-1/2	=	296 Sft.
Store	1 x2	x(22	+17)	x11-1/2	=	897 Sft.
LHV	1 x2	x(19-3/4	+16)	x8	=	572 Sft.

Store	1 x2	x(12-1/4	+17)	x11-1/2	=	673 Sft.
Female Doctor	1 x2	x(16-7/8	+17)	x11-1/2	=	779 Sft.
Change room	1 x2	x(7-5/8	+7-1/4)	x11-1/2	=	342 Sft.
Dark room	1 x2	x(7-5/8	+7-1/4)	x11-1/2	=	342 Sft.
Dangue ward	1 x2	x(15-3/4	+17-7/8)	x7	=	471 Sft.
Bath	1 x2	x(6	+6)	x5	=	120 Sft.
Duty room	1 x2	x(16	+18)	x7	=	476 Sft.
Bath	1 x2	x(6	+7-3/8)	x5	=	134 Sft.
Female ward	1 x2	x(28-1/4	+17-7/8)	x7	=	646 Sft.
Child ward	1 x2	x(28-1/4	+18)	x7	=	648 Sft.
Bath	2 x2	x(5-3/4	+4-7/8)	x5	=	213 Sft.
Lav	1 x2	x(11-1/4	+3-3/8)	x5	=	146 Sft.
Lav	1 x2	x(9-7/8	+6-3/4)	x5	=	166 Sft.
Bath	2 x2	x(4-7/8	+4-7/8)	x5	=	195 Sft.
Lav	1 x2	x(4-1/4	+11-1/4)	x5	=	155 Sft.
"	1 x2	x(9-7/8	+5-3/4)	x5	=	156 Sft.
Gaynee Block						
Waiting Hall	1 x2	x(10-1/2	+32-5/8)	x11-1/2	=	992 Sft.
Store	1 x2	x(10-3/4	+14-1/4)	x11-1/2	=	575 Sft.
Bath	1 x2	x(6	+7-1/4)	x5	=	133 Sft.
Nursing Station	1 x2	x(11	+18-7/8)	x11-1/2	=	687 Sft.
Gaynee room	1 x2	x(10-3/4	+20)	x11-1/2	=	707 Sft.
Dry care	1 x2	x(21-3/4	+7-1/2)	x11-1/2	=	673 Sft.
Store	1 x2	x(9-5/8	+10-5/8)	x11-1/2	=	466 Sft.
Labour room	1 x2	x(10-7/8	+14-3/4)	x11-1/2	=	589 Sft.
Lien store	1 x2	x(6-3/8	+5)	x11-1/2	=	262 Sft.
Open area	1 x2	x(11-1/2	+10-5/8)	x11-1/2	=	509 Sft.
Main Entr.	1 x2	x(4-3/8	+5-3/4)	x11-1/2	=	233 Sft.
Labour room	1 x2	x(10-7/8	+14-1/2)	x11-1/2	=	584 Sft.
Bath	2 x2	x(6	+4-3/4)	x5	=	215 Sft.
Ent	2 x2	x(5	+5-1/2)	x5	=	210 Sft.
Waiting	1 x2	x(20	+12-3/4)	x11-1/2	=	753 Sft.
Bath	4 x2	x(5	+4)	x5	=	360 Sft.
Lav	1 x2	x(5-5/8	+18-1/4)	x5	=	239 Sft.
Ward	1 x2	x(25-1/2	+31-1/8)	x7	=	793 Sft.
Medical store	1 x2	x(25-1/2	+31-1/8)	x7	=	793 Sft.
Gaynee ward	1 x2	x(52-1/4	+18-1/2)	x7	=	991 Sft.
Bath	2 x2	x(6	+4-1/2)	x5	=	210 Sft.
D/d opening: Doors 1461 window 1151 = 2612			Total			38720 Sft. - 2612 = 36108 sft
				@Rs.2228.60%Sft		Rs. ~~862914/-~~ 804703/-

32 Distempering to old surface 2 coats.

Main Building (OPD Block)					
Waiting Hall	1 x2	x 39-7/8	x 40-3/4	=	3250 Sft.
SMO Room	1 x2	x 24-2/3	x 13	=	641 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
Medical out door	1 x2	x 24-2/3	x 13	=	641 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
Surg.out door	1 x2	x 24-2/3	x 13	=	641 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
WMO	1 x2	x 24-2/3	x 13	=	641 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
Store/Doctor	1 x2	x 24-2/3	x 13	=	641 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
Child out door	1 x2	x 24-2/3	x 13	=	641 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
Diagnostic Block (Xray lab & OTS etc)					
X-ray room	1 x2	x 11-1/8	x 12	=	267 Sft.
Store	1 x2	x 8-7/8	x 12	=	213 Sft.
X-ray room	1 x2	x 16-1/4	x 12-1/2	=	406 Sft.
Store	1 x2	x 9	x 5-1/8	=	92 Sft.
Dark room	1 x2	x 9	x 6	=	108 Sft.
Labtory	1 x2	x 7-3/4	x 12-1/2	=	194 Sft.
"	1 x2	x 9-1/8	x 11-1/2	=	210 Sft.
Bath	1 x2	x 7	x 4-5/8	=	65 Sft.
Homo Dr. room	1 x2	x 11-3/8	x 12	=	273 Sft.
Open area	1 x2	x 7	x 7	=	98 Sft.

Main Entr.	1 x2	x 10	x 12-3/4	=	255 Sft.
Waiting	1 x2	x 16-1/8	x 13-1/4	=	427 Sft.
Disp.	1 x2	x 22	x 12	=	528 Sft.
Bath	1 x2	x 5	x 4-1/2	=	45 Sft.
Disp.	1 x2	x 9-7/8	x 11-3/4	=	232 Sft.
Computer room	1 x2	x 7-7/8	x 11-3/4	=	185 Sft.
Dental room	1 x2	x 10-3/4	x 12	=	258 Sft.
"	1 x2	x 6-1/8	x 11-3/4	=	144 Sft.
Bath	1 x2	x 5-1/4	x 12	=	126 Sft.
Dental room	1 x2	x 13-1/2	x 11-3/4	=	317 Sft.
Corridor	1 x2	x 51-3/8	x 10	=	1028 Sft.
"	1 x2	x 40-3/8	x 6-1/4	=	505 Sft.
Indoor Patient Block					
Passage	1 x2	x 34-3/8	x 6-5/8	=	455 Sft.
Male ward	1 x2	x 18-1/4	x 14-1/2	=	529 Sft.
"	1 x2	x 23-1/4	x 17	=	791 Sft.
Bath	2 x2	x 3-1/3	x 7-1/4	=	97 Sft.
Lav	1 x2	x 7-1/8	x 6-1/2	=	93 Sft.
Bath	1 x2	x 3-1/3	x 8-1/2	=	57 Sft.
Lav	1 x2	x 7-1/8	x 8-1/2	=	121 Sft.
Nursing Station	1 x2	x 7-3/4	x 9	=	140 Sft.
Head nursing	1 x2	x 7-3/4	x 5-1/8	=	79 Sft.
Store	1 x2	x 22	x 17	=	748 Sft.
LHV	1 x2	x 19-3/4	x 16	=	632 Sft.
Store	1 x2	x 12-1/4	x 17	=	417 Sft.
Female Doctor	1 x2	x 16-7/8	x 17	=	574 Sft.
Change room	1 x2	x 7-5/8	x 7-1/4	=	111 Sft.
Dark room	1 x2	x 7-5/8	x 7-1/4	=	111 Sft.
Dangue ward	1 x2	x 15-3/4	x 17-7/8	=	563 Sft.
Bath	1 x2	x 6	x 6	=	72 Sft.
Duty room	1 x2	x 16	x 18	=	576 Sft.
Bath	1 x2	x 6	x 7-3/8	=	89 Sft.
Female ward	1 x2	x 28-1/4	x 17-7/8	=	1010 Sft.
Child ward	1 x2	x 28-1/4	x 18	=	1017 Sft.
Bath	2 x2	x 5-3/4	x 4-7/8	=	112 Sft.
Lav	1 x2	x 11-1/4	x 3-3/8	=	76 Sft.
Lav	1 x2	x 9-7/8	x 6-3/4	=	133 Sft.
Bath	2 x2	x 4-7/8	x 4-7/8	=	95 Sft.
Lav	1 x2	x 4-1/4	x 11-1/4	=	96 Sft.
"	1 x2	x 9-7/8	x 5-3/4	=	114 Sft.
Gaynee Block					
Waiting Hall	1 x2	x 10-1/2	x 32-5/8	=	685 Sft.
Store	1 x2	x 10-3/4	x 14-1/4	=	306 Sft.
Bath	1 x2	x 6	x 7-1/4	=	87 Sft.
Nursing Station	1 x2	x 11	x 18-7/8	=	415 Sft.
Gaynee room	1 x2	x 10-3/4	x 20	=	430 Sft.
Dry care	1 x2	x 21-3/4	x 7-1/2	=	326 Sft.
Store	1 x2	x 9-5/8	x 10-5/8	=	205 Sft.
Labour room	1 x2	x 10-7/8	x 14-3/4	=	321 Sft.
Lien store	1 x2	x 6-3/8	x 5	=	64 Sft.
Open area	1 x2	x 11-1/2	x 10-5/8	=	244 Sft.
Main Entr.	1 x2	x 4-3/8	x 5-3/4	=	50 Sft.
Labour room	1 x2	x 10-7/8	x 14-1/2	=	315 Sft.
Bath	2 x2	x 6	x 4-3/4	=	114 Sft.
Ent	2 x2	x 5	x 5-1/2	=	110 Sft.
Waiting	1 x2	x 20	x 12-3/4	=	510 Sft.
Bath	4 x2	x 5	x 4	=	160 Sft.
Lav	1 x2	x 5-5/8	x 18-1/4	=	205 Sft.
Ward	1 x2	x 25-1/2	x 31-1/8	=	1587 Sft.
Medical store	1 x2	x 25-1/2	x 31-1/8	=	1587 Sft.
Gaynee ward	1 x2	x 52-1/4	x 18-1/2	=	1933 Sft.
Bath	2 x2	x 6	x 4-1/2	=	108 Sft.
			Total		32174 Sft.

@Rs.705.15%Sft **Rs. 226875/-**

33 Providing and fixing of lead linning shee 1/8" thick in X.ray room etc complete in all respect as approved by the Engineer Incharge.

Diagnostic Block (Xray lab & OTS etc)

X-ray room	1 x2	x 16-1/4	x 12	=	390 Sft.
"	1 x2	x 12-1/2	x 12	=	300 Sft.
"	1 x2	x 11-1/8	x 12	=	267 Sft.
"	1 x2	x 12	x 12	=	288 Sft.
			Total		1245 Sft.

@Rs.900.00/Sft Rs. 1120500/-

34 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.

(a) Cementitious Urethane
(b) Epoxy
(c) Polyurethane

O.Theather	1 x1	x 14	x 15-1/4	=	214 Sft.

Gaynee Block

O.Theather	1 x1	x 10-3/4	x 20	=	215 Sft.
			Total		429 Sft.

450
@Rs.~~800.00~~/Sft Rs. ~~343200/-~~ 193050/-

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

(b) Bevelled edges & flange 21.5 mm
(iii)600 mmX 600 mm

as per ca[illegible]

Indoor Patient Block

O.Theather	1 x1	x 14	x 15-1/4	=	214 Sft.

Gaynee Block

O.Theather	1 x1	x 10-3/4	x 20	=	215 Sft.
					429 Sft.

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

37 [illegible] Incharge.

[illegible] Block

(b) 2.5mm thick

O.Theather	1 x2	x(14	+15-1/4)	x12	=	702 Sft.

Gaynee Block

O.Theather	1 x2	x(10-3/4	+20	) x12	=	738 Sft.
			Total			1440 Sft.

@Rs.~~193.00~~/Sft Rs. ~~277920/-~~ 3096000/-
2150/-

37 Grouting 4½"(113 mm) dry brick work with cement mortar ratio 1: 5

Main Building (OPD Block)

Over roof Tissue	1 x1	x 56-1/4	x 42	=	2363 Sft.

Diagnostic Block (Xray lab & OTS etc)

Over roof Tissue	1 x1	x 92-1/2	x 20-1/4	=	1873 Sft.
	1 x1	x 108-1/2	x 13-1/4	=	1438 Sft.
	1 x1	x 5-1/4	x 4-1/4	=	22 Sft.

Indoor Patient Block

Over roof Tissue	1 x1	x 16-1/2	x 7-3/4	=	128 Sft.
	1 x1	x 85-1/2	x 42	=	3591 Sft.
	1 x1	x 10	x 6-3/4	=	68 Sft.
	1 x1	x 56-1/4	x 44-7/8	=	2524 Sft.

Gaynee Block

Over roof Tissue	1 x1	x 52-1/8	x 51-3/8	=	2678 Sft.
	1 x1	x 19-3/8	x 12-1/8	=	235 Sft.
	1 x1	x 21-1/2	x 13-5/8	=	293 Sft.
	1 x1	x 45-3/8	x 48-3/8	=	2195 Sft.
	1 x1	x 6	x 7-1/4	=	44 Sft.
			Total		17452 Sft.

@Rs.1295.00%Sft Rs. 226003/-

38 Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)

Main Building (OPD Block)					
	1 x4			=	4 No.
Diagnostic Block (Xray lab & OTS etc)					
	1 x6			=	6 No.
Indoor Patient Block					
	1 x8			=	8 No.
Gaynee Block					
	1 x6			=	6 No.
				Total =	24 No.
				@Rs.854.35/Each	Rs. 20504/-

39 Providing and Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg i/c Fixing With Screws on Porcelain Tile Dado Corners complete in all respects and as Approved by the Engineer Incharge

Main Building (OPD Block)					
	10 x2	x6		=	120 Rft.
Diagnostic Block (Xray lab & OTS)					
	20 x2	x6		=	240 Rft.
Indoor Patient Block (Male & Female Ward)					
	25 x2	x6		=	300 Rft.
Gaynee Block					
	15 x2	x6		=	180 Rft.
			Total		840 Rft.
				@Rs.400.00/Rft	Rs. 336000/-

40 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:
a) new surface: 2 coats.

Main Building (OPD Block)					
Outer side	1 x1	x 57-3/4	x 17	=	982 Sft.
	1 x2	x 43-1/2	x 17	=	1479 Sft.
Diagnostic Block (Xray lab & OTS etc)					
	1 x1	x 94	x 17	=	1598 Sft.
	1 x1	x 107-1/8	x 17	=	1821 Sft.
	1 x2	x 35	x 17	=	1190 Sft.
	1 x1	x 26	x 17	=	442 Sft.
	1 x1	x 10	x 17	=	170 Sft.
Indoor Patient Block					
	1 x2	x 15	x 17	=	510 Sft.
	1 x1	x 77-7/8	x 17	=	1324 Sft.
	1 x1	x 86-3/4	x 17	=	1475 Sft.
	1 x1	x 43-1/2	x 17	=	740 Sft.
	1 x1	x 37-1/2	x 17	=	638 Sft.
	1 x2	x 57-3/4	x 17	=	1964 Sft.
	1 x1	x 46-3/8	x 17	=	788 Sft.
	1 x1	x 19-1/8	x 17	=	325 Sft.
	1 x1	x 19	x 17	=	323 Sft.
Gaynee Block	1 x2	x 20-1/2	x 17	=	697 Sft.
	1 x1	x 52-7/8	x 17	=	899 Sft.
	1 x1	x 49-7/8	x 17	=	848 Sft.
	1 x1	x 19-3/8	x 17	=	329 Sft.
	1 x1	x 15-7/8	x 17	=	270 Sft.
	1 x1	x 20	x 17	=	340 Sft.
	1 x2	x 19-5/8	x 17	=	667 Sft.
			Total		19819 Sft.
				@Rs.5245.30%Sft	Rs. ~~1039566/-~~ 962932/-

41 Preparing surface and painting to door and window (including edges) any type to new surface,3 coats.

Diagnostic Block (Xray lab & OTS etc)					
D4	9 x2	x 3-1/2	x 7	=	441 Sft.
Indoor Patient Block					
D2	1 x2	x 5	x 7	=	70 Sft.
D4	4 x2	x 3-1/2	x 7	=	196 Sft.
			Total		707 Sft.

					@Rs.2714.80%Sft	Rs. 19194/-
42	Preparing surface and painting to door and window (including edges) any type to old surface,2 coats i/c scraping Ordinary distemper, oil bound distemper, or paint of wall..					
	Diagnostic Block (Xray lab & OTS etc)					
	D2	1 x2	x 5	x 7	= 70 Sft.	
	D4	4 x2	x 3-1/2	x 7	= 196 Sft.	
	D5	1 x2	x 2-1/4	x 7	= 32 Sft.	
	Indoor Patient Block					
	D5	1 x2	x 3	x 7	= 42 Sft.	
	Gaynee Block					
	D4	1 x2	x 3-1/2	x 7	= 49 Sft.	
				Total	389 Sft.	
					@Rs.2429.45%Sft	Rs. 9451/-
					Total	~~Rs. 19297340/-~~ 18180138
					G.Total	~~Rs. 19297340/-~~ Rs. 18180138

Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah.

ELECTRIC INSTALLATION

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

THQ Kot Sultan
Provision/Installation of Electrical Equipment.

S.#		Qty:	Unit	Rate	Amount
A	**L.T. (LV) SUB-STATION EQUIPMENT:**				
1	**Construction of ELECTRICAL ROOM**	1		As per requirement	
2	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock,Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing. Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately)				
	MDB				
	(i) LT Switchboards				
	(a) 2.50 Ft deep				
	(i) 400A (3 0x6'x2 5') 2x45=90 each			4,377.05	393934.5
	Incoming From 630KVA Transformer				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 400A(50 KA) 2*1=2	2	each	62,434.30	124868.6
	(b) Tripple Pole 200A(36 KA) 2*1=2	2	each	39,814.30	79628.6
	(c) Tripple Pole 200A(36 KA) 2*1=2	2	each	39,814.30	79628.6
3	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb. Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	MDB-1(For PDBs)				
	Incoming From Transformers				
	(i) LT Switchboards				
	(b) 12" deep				
	(i) 200A(3'x4'x12") 12 each			3,438.40	41260.8
	Incoming breakers for MDB-1				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA) 1*2=2	2	each	39,814.30	79628.6
	Outgoing breakers for MDB-1				
	(a) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,094.30	36188.6
	(b) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,094.30	36,188.60
	Incoming From Generator ATS				
	(a) Tripple Pole 63A(36 KA) (3* 3=9)	9	each	17,434.30	156908.7
4	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (For OPD)				
	(a) 12" deep				
	(ii) 150A (3'x3'x12") 45 each			13,809.80	621441
	Incoming Breakers for PDBs (For 1 New OPD & 1 For Old OPD & 1 For Emergency)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 150A(36 KA) (1*5=5)	5	each	18,094.30	90471.5
	Outgoing Breakers for PDBs (For 1 New OPD & 1 For Old OPD & 1 For Emergency)				
	2 Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 63A(10 KA) (1*5=5)	5	each	11,434.30	57171.5
	(b) Single Pole 32A(10 KA) (5*5=25)	25	each	1,299.95	32498.75
	(d) Single Pole 16A(10 KA) (6*5=30)	30	each	1,299.95	38998.5
5	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (1 For Gynaii & 1 For O.T & 1 For Pharmacy & 1 For Admin Block)				
	(a) 12" deep				
	(ii) 150A (3'x3'x12") 4x9=36 each			5,146.40	185270.4
	Incoming Breakers for PDBs (1 For Gynaii & 1 For O.T & 1 For Pharmacy & 1 For Admin Block)				
	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 150A(36 KA) (1*4=4)	4	each	18,094.30	72377.2
	Outgoing Breakers for PDBs (1 For Gynaii & 1 For O.T & 1 For Pharmacy & 1 For Admin Block)				
	Suppling.Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 63A(36 KA) (1*4=4)	4	each	17,434.30	69737.2
	(b) Single Pole 32A(10 KA) (6*4=24)	24	each	1,299.95	31198.8
	(c) Single Pole 16A(10 KA) (3*4=12)	12	each	1,299.95	15599.4
8	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (For Indoor Wards)				
	(a) 12" deep				
	(ii) 150A (3'x3'x12") 3x9=27 each			5,146.40	138952.8
	Incoming Breakers for PDBs (For Indoor Wards)				

S.#			Qty:	Unit	Rate	Amount
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) (1*3=3)	3	each	39,814.30	119442.9
		Outgoing Breakers for PDBs (For Indoor Wards)				-
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (1*3=3)	3	each	17,434.30	52302.9
	(b)	Single Pole 32A(10 KA) (4*3=12)	12	each	1,299.95	15599.4
	(c)	Single Pole 16A(10 KA) (4*3=12)	12	each	1,299.95	15599.4
9		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		LDBs (For Departments)				-
	(a)	6" deep				-
	(ii)	63A (18"x24"x6")	4	Set	18,691.40	84111.3
		Incoming Breakers for LDBs (For Departments)				-
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (1*12=12)	12	each	17,434.30	209211.6
		Outgoing Breakers for LDBs (For Departments)				-
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Single Pole 32A(10 KA) (4*4=16)	16		1,299.95	20799.2
	(b)	Single Pole 16A(10 KA) (4*4=16)	16		1,299.95	20799.2
	(c)	Single Pole 10A(10 KA) (6*4=24)	24		1,299.95	31198.8
						-
B		LT POWER CABLE.				-
						-
	1	120 mm sq (37/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer)	200	rft	4,634.45	926890
	2	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer)	150	rft	3,676.95	551542.5
	3	70 mm sq (19/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer and MDB-1)	200	rft	2,605.05	521010
	4	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For PDBs)	300	rft	1,859.25	557775
	5	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (For LDBs and ACs)	550	rft	160.75	88412.5
	6	7/0.91 mm (7/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	500	rft	110.3	55150
	7	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	100	rft	87	8700
	8	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	100	rft	43.65	4365
		Add wapda Charges				
		TOTAL				4986802.05

PMU Office

Rs.-

Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

SANITARY FITTING

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

1 Providing, laying, cutting, jointing, testing and disinfecting PS 3051 Providing and installing specials PVC/ uPVC pipe line with `B' Class working pressure BS 3505 and valves is not included in the pipe, in trenches, complete in all respects:- i) 4" i/d (100 mm)

Main OPD,Digonast Block,Indoor Block,Gaynee Block.

40 x 35 = 1400 Rft

Total 1400 Rft @ 440.65/Rft Rs.616910/-

a) 2" i/d (50 mm) D Class

35 x 10 = 350 Rft

Total = 350 Rft @ 203.50/Rft Rs.71225/-

2 Providing and installing P.V.C. bends, of B.S.S. i) Class `B' working pressure:- b) 4" i/d (100 mm)

35 x 3 = 105 No

= 105 No @ 543.55/Each Rs.57073/-

3 Providing and installing P.V.C. tees, of B.S.S.
i) Class `B' working pressure:- b) 4" i/d (100 mm)

35 x 3 = 105 No

= 105 No @ 1586.00/Each Rs.166530/-

4 Providing and fixing, flushing bend of PVC. i) 3 cm (1¼")

1 x 40 = 40 No

= 40 No @ 204.65/Each Rs.8186/-

5 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white.

1 x 40 = 40 No

= 40 No @ 2218.30/Each Rs.88732/-

6 Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.i) white.

1 x 40 = 40 No

= 40 No @ 2649.10/Each Rs.105964/-

7 Providing and fixing chromium plated stop cock, heavy:- ii) 1.5 cm (½").

1 x 40 = 40 No

= 40 No @ 775.00/Each Rs.31000/-

8 Providing and fixing Chrumium plated Bib cock 1/2" dia.

1 x 40 = 40 No

= 40 No @ 775.00/Each Rs.31000/-

9 Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, i- white with pedestral.

1 x 40 = 40 No

= 40 No @ 5169.95/Each Rs.206798/-

10 Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- i) 10x5 cm (4"x2")

1 x 40 = 40 No

= 40 No @ 627.75/Each Rs.25110/-

11 Providing,laying,testingandcommissioningofPOLYPROPYLENERANDOMCOPOLYMER(PPRC)watersupplypipe(Dadex/Popular/Betaorequivalent)withspecifiedpressureratingPN(PRESSURENOMINAL)andconformingtoDIN8077-8078 code i/c cost of solvent,specials,makingjharriescompleteinallrespectasapprovedanddirectedby Engineer Incharge. (Internal/External Diameters mentioned). a) PN-16 pipe (iii)(1") 32 mm

6 x 650 = 3900 Rft

= 3900 Rft @ 93.65/Rft Rs.365235/-

(ii)(3/4") 25 mm

6 x 650 = 3900 Rft

= 3900 Rft @ 57.95/Rft Rs.226005/-

12 Providing and fixing gun metal peet/gate valve (screwed):-i) 30 mm (1¼") dia

1 x 25 = 25 No

= 25 No @ 4762.50/Each Rs.119063/-

13 Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24:x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring

1 x 24 = 24 No

= 24 No @ 6600.00/Each Rs.158400/-

14 Providing and fixing P'trape 4"dia glazed.

1 x 40 = 40 No

= 40 No @ 703.10/Each Rs.28124/-

15 Providing and fitting, chromium plated or brass oxidised,swan neck cock 15 mm (½") dia.i) single way

1 x 35 = 35 No

= 35 No @ 511.00/Each Rs.17885/-

16 Providingandhoistingvertical/horizontaltypestoragetankofrequiredcapacitymadeofrotationallymoldedfrom(HDPE),doubleplypolyetheleneofapprovedmanufacturer i/ccostofmakingconnectionforinlet/outletpipe,floatvalve/callcostofspecials&labourcompleteinallrespect as approved and directed by the Engineer Incharge.

~~10 x 300~~ = 3000 Gln

= 3000 Gln @ ~~106.60~~/Gln Rs.~~319800~~/-

17 P/FEjectorPumpofspecifiedSuctionandDeliveryheads, coupledwithSinglePhaseSeimenElectricMotorofrequire dratingforwatersupplyi/cthecostofconnectioncharges, necessarywire,PVCpipesetecompleteinall respect as approved and directed by the Engineer Incharge. ii) G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38 Mtr Suction and 38 M delivery head

1 x 10 = 10 No

= **10 No @ 17905.90/Each** **Rs.179059/-**

18 Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:- i) 4" i/d (100 mm)

10 x 80 = 800 Rft

Total **800 Rft @ 316.65/Rft** **Rs.253320/-**

19 Providing and installing P.V.C. blind pipe, B.S.S. Class `B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. i) 4" i/d (100 mm)

10 x 20 = 200 Rft

Total **200 Rft @ 483.60/Rft** **Rs.96720/-**

20 Providing and installing P.V.C. blind pipe, B.S.S. Class `D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. a) 1¼" i/d (30 mm)

10 x 40 = 400 Rft

Total **400 Rft @ 128.90/Rft** **Rs.51560/-**

b) 1½" i/d (40 mm)

10 x 40 = 400 Rft

Total **400 Rft @ 158.25/Rft** **Rs.63300/-**

c) 2" i/d (50 mm)

10 x 40 = 400 Rft

Total **400 Rft @ 230.00/Rft** **Rs.92000/-**

Total 2880140 ~~Rs.3378999/-~~

Say ~~Rs.3379000/-~~

2880140

Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAIL ESTIMATE FOR WATER SUPPLY PIPE
MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

1 Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.

for All dia of pipe	1 x	1000 x	1 x	2	=	2000 Cft
			@ Rs	7,622.75	%0Cft	15246

2 Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ IIL or equivalent, in trenches, as approved & directed by the engineer incharge, complete in all respects
f) PN-20 (SDR-9)
ii) 110 mm

i) 4" i/d (100 mm) 4.5mm thick				--	=	350 Rft
			@ Rs	~~1,564.95~~ 628-50	P.Rft	~~234743~~ 219975
h) 3" i/d (75 mm) 4.05mm thick				--	=	250 Rft
			@ Rs	~~1084.10~~ 418.85	P.Rft	~~271025~~ 104713
f) 2" i/d (50 mm) 3.65mm thick				--	=	100 Rft
			@ Rs	660	P.Rft	66000
e) 1½" i/d (40 mm) 3.25mm thick				-	=	150 Rft
			@ Rs	469.7	P.Rft	70455
c) 1" i/d (25 mm) 3.25mm thick				-	=	150 Rft
			@ Rs	324.2	P.Rft	48630
b) ¾" i/d (20 mm) 2.65mm thick				x --	=	200 Rft
			@ Rs	216	P.Rft	43200

3 Rehandling of earthwork:Lead upto a single throw of Kassi, phaorah or shovel

Same as per item No. 1	-	-	-	-	=	2000 Cft
			@ Rs	2,539.70	%oCft	5079

4 Providing and fixing gun metal peet/gate valve (screwed):-

i) 30 mm (1¼") dia	1 x	3	-	-	=	3 No
				Total	=	3 No
			@ Rs	4,762.50	P.Each	14288
iii) 50 mm(2") dia	1 x	2	-	-	=	2 No
				Total	=	2 No
			@ Rs	8,362.50	P.Each	16725
v) 80 mm(3") dia	1 x	2	-	-	=	2 No
				Total	=	2 No
			@ Rs	22,882.50	P.Each	45765
					Total:	~~831156~~ 421791

Sub Engineer,

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Layyah

Executive Engineer
Buildings Division
Layyah

DETAIL OF OVER HEAD RESERVOIR 10000 GALLON CAPACITY.

For analysis purpose take quantity 10000 Gallons

Unit of rate. Per Gallon

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

S. No	Description of iotems	No	Lenghth	Breadth	Height	Contents	Amount
1	Excavation in foundation of building, bridges and other Excavation in foundation of building, bridges and other structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) a) By Manual						
	Toe wall.	2 x	19 x	2.5 x	2.5 =	238 Cft	
		2 x	16.5 x	2.5 x	2.5 =	206 Cft	
					Total:	**444** Cft	
				@	10677.75	%oCft	4741
2	Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) a) in ordinary soil or sand :- i) from 0' to 5'(0 to 1.5 metre) depth						
	O.H.R	3.14 x	20.5 x	20.5 x	5 =	6598 Cft	
				@	7547.95	%oCft	49801
	ii) from 5.1' to 10' (1.5 to 3.0 metre) depth						
	O.H.R	3.14 x	20.5 x	20.5 x	2 =	2639 Cft	
				@	7883.15	%oCft	20804
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4: 8						
	Base		(3.14x20.5 x 20.5) / 4	x	0.75 =	247 Cft	
				@	24738.85	%Cft	61105
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. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)						
		3.14 x	20.5x20.5x	1 /	4 =	330 Cft	
	Raft beam	3.14 x	11 x	1.5 x	1.5 =	78 Cft	
	Core Wall	3.14 x	11 x	0.5 x	8.5 =	147 Cft	
					Total:	**555 *Cft***	
				@	457.75	P-Cft	254051
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:-						
	Coloumns	4 x	1.5 x	1.5 x	45 =	405 Cft	
	Braces	16 x	6.83 x	1.5 x	1.5 =	246 Cft	
	Top beam	4 x	6.83 x	1 x	1.667 =	46 Cft	
	Landing	5 x	2.25 x	2.25 x	0.33 =	8 Cft	
	Intermidiate slab	1 x	10 x	10 x	0.417 =	42 Cft	
	Tanki bottom slab.	3.14 x	41 x	0.625 x	-- =	80 Cft	
	Tanki bottom slab. 12.75x12.75/4	3.14 x	41 x	0.5 x	-- =	64 Cft	
	Hodi	2 x	2 x	1.5 x	0.208 =	1 Cft	
	Hodi	1 x	2 x	2 x	0.208 =	1 Cft	
	Hodi	1 x	1.5 x	1.5 x	0.208 =	0 Cft	
					Total:	***893 Cft***	

						@	556.5	P-Cft		496955
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)									
	Take 9 lbs of item No.3 a,b	1448	x	9	x	0.454	x -- =	5917 Kg		
						@	31409.15	%Kgs		1858479
7	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: ii) ½"(13 mm) thick									
		4	x	8	x	0.5	x -- =	16 Sft		
	bottom beam.	3.14	x	10	x	10	x 0.25 =	79 Sft		
	Walls	3.14	x	10	x	9	x -- =	283 Sft		
	room	4	x	10	x	0.5	x -- =	20 Sft		
							Total:	***398 Sft***		
						@	20,961.80	%Sft		83428
8	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, including erection in position.									
	angle iron 2" x 2" x 1/4" (ladder)	2	x	85	x	--	x 170 = Rft			
						1.4	Kgs/P.Rft	238.00 Kgs		
	angle iron 1.5" x 1.5" x 3/16" Frame	4	x	2.5	x	--	x 10 = Rft			
		8	x	2.25	x	--	x 18 = Rft			
						Total	**28 = Rft**			
						0.8	Kgs/P.Rft	22.40 Kgs		
	angle iron 1.25" x 1.25" x 3/16" cover	2	x	2.25	x	--	x 4.5 = Rft			
		3	x	2.25	x	--	x 6.75 = Rft			
		10	x	2	x	--	x 20 = Rft			
						Total	**31.25 = Rft**			
						0.5	Kgs/P.Rft =	15.625 Kgs		
	Round Iron 5/8" dia	75	x	1.5	x	--	x 112.5 =	Rft		
						0.47	Kgs/P.Rft =	52.875 Kgs		
							Total: =	***329 Kgs***		
						@	33769.55	%Kgs		111102
9	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6									
	Toe wall.	1	x	71	x	0.75	x 4 =	213 Cft		
							Total:	**213 Cft**		
						@	27768.7	%Cft		59147
10	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.									
	Take 2/3 of excavation.	9681	x	2	/	3	x -- =	6454 Cft		
						@	5,090.45	%0Cft		32854
11	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside, lead upto 1 Miles									
		600	x	5	x	1	x -- =	3000 Cft		
						@	15,777.65	%oCft		47333
12	Supplying and filling sand under floor; or plugging in wells.									
	Under Foundation (4x0.5)	3.14	x	20.5	x	20.5	/ 2 =	660 Cft		

		1	x 71	x 1	x	0.33 =	23 Cft	
	Appron	1	x 71	x 4	x	0.33 =	94 Cft	
						Total: =	***777 Cft***	
					@	2823.3	%Cft	21937
13	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.							
	Appron.	1	x 71	x 2	x	0.33 =	47 Cft	
		1	x 71	x 4	x	0.33 =	94 Cft	
						Total: =	***141 Cft***	
					@	9284.4	%Cft	13091
14	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (c) 1½"(40 mm) thick							
		1	x 71	x 4	x	-- =	284 Sft	
		1	x 10	x 10	x	-- =	100 Sft	
						Total: =	**384 Sft**	
					@	7,006.30	%Sft	26904
15	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)							
	Take 60% of item above.	384	x 60	/ 100	x	-- =	230 Rft	
					@	19.8	P.Rft	4554
16	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 ¾' high @ 5½" c/c fixed in steps on stair I/C painting 3 coats complete.							
		3.14	x 10	x --	x	-- =	31 Rft	
					@	1062.1	P.Rft	32925
17	Extra labour for laying concrete plain or reinforced (a) above 20' (6 m) upto 40'(12 m) height							
	Coloumns	4	x 1.5	x 1.5	x	20 =	180 Cft	
	Braces	8	x 6.83	x 1	x	1 =	55 Cft	
	Top beam	4	x 6.83	x 1	x	1.667 =	46 Cft	
	Landing	3	x 2.25	x 2.25	x	0.33 =	5 Cft	
	Tanki bottom slab. 12.75x12.75/4	3.14	x 41	x 0.58	x	-- =	75 Cft	
	Top slab 12 x 12/4	3.14	x 36	x 0.417	x	-- =	47 Cft	
	Core Wall	3.14	x 11	x 0.5	x	8.5 =	147 Cft	
						Total: =	**555 Cft**	
					@	4063.5	%Cft	22552
18	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:4							
	Core Wall	3.14	x 10.25	x 0.375	x	9 =	109 Cft	
		3.14	x 12.75	x 0.375	x	9 =	135 Cft	
						Total: =	**244 Cft**	
					@	31625.3	%Cft	77166
19	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:6							
	O.H.R	4	x 7.75	x 0.75	x	9 =	209 Cft	
	Deduction							
	Cw	2	x 3	x 0.75	x	1.5 =	7 Cft	
	D.Opening	1	x 4	x 0.75	x	7 =	21 Cft	
	Lintles	2	x 4	x 0.75	x	0.5 =	3 Cft	
	D/L	1	x 5	x 0.75	x	0.5 =	2 Cft	
						Total: =	**33 Cft**	

						Balance		**176 Cft**	
					@	29952.5	%Cft		52716
20	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick								
	Toe Wall	1	x	71	x 1.5 x	--	=	107 Sft	
	Drain	2	x	3	x 1.25 x	--	=	8 Sft	
	Hodi	8	x	2.5	x 1.5 x	--	=	30 Sft	
	Hodi	8	x	4	x 1.25 x	--	=	40 Sft	
						Total:	=	**185 Sft**	
					@	3092.1	%Sft		5720
21	Cement plaster 1:4 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick								
	O.H.R Room	2	x	4	x 7.75 x	9	=	558 Sft	
	Reservoir	3.14	x	12	x 9.5 x	--	=	358 Sft	
						Total:		**916 Sft**	
					@	3241.6	%Sft		29693
22	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respect (excluding sliding bolt or lock) with:- i) M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)								
		1	x	4	x 7 x	--	=	28 Sft	
					@	1930.35	P-Sft		54050
23	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge iron sliding bolt, 12" (300 mm) long	--	x	--	x -- x	--	=	1 No	
					@	470	Each		470
24	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- (Three coats)								
		1	x	2	x 4 x	7	x	56 Sft	
					@	2714.8	%Sft		1520
25	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in-charge:- b) fixed with wire gauze, 22 SWG iii) glass pane 3 mm thick i/c 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.								
		3	x	4	x 5.5 x	--	=	66 Sft	
						Total	=	66 Sft	
					@	1502.3	P.Sft		99152

26	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. ii) 500 gauge (.005" thick)										
	Roof	1	x	8	x	8	x	--	=	64	Sft	
				8820.75	+	690	@	11170.65		%Sft		7149
27	Plain galvanized iron sheet flashing, 22 gauge.											
		3	x	2.5	x	2.15	x	--	=	16	Sft	
							@	334.55		P.Sft		5353
28	Distempering:- a) new surface:- iii) three coats	4	x	7.75	x	9	x	--	=	279	Sft	
							@	1295		%Sft		3613
										Total:		***3538365***
								Add 3% Contingency				***106151***
										Total:		***3644516***
										Say Rs.		***3644516***

Cost of Per Gallon $\frac{3644516}{10000}$ 364.452

Say Rs= 364 Per Gallan

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

60

ABSTRACT OF COST OF 1/2 CUSEC TURBINE

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

1	Vertical Turbine	Rs:	2572500
2	Boring	Rs:	1708800
3	Power wiring	Rs:	431000
4	G.I pipe	Rs:	~~315100~~ 228140
			4940440
		Total	~~5027400~~
	Add: 3% Contingency 5027400		~~150822~~ 148213
		Total	~~5178222~~ 5088653
		Say Rs:	~~5178200~~ 5088700

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
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Buildings Division
Layyah

MACHINARY 1/2 CUSEC DISCHARGE VERTICAL TURBINE PUMP (KSB MADE)

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

1	P/Installation of Deep well turbine pump Alta F260/4 Capacity 0.50 Cusec, Head 160' Coloumn pipes 80' (4"x 25mm), Top pipe 4" x1Ft, Discharge Head VN 1342 a with priming tank, Siemens VHS 3 phase 20 HP 4 pole electric motor,MCU ASD 20 HP, Sluice & NR valve 4", Mounting clamps 4" also included mechanical & electrical installation etc complete in all respect as approved by the Engineer Incharge.					
				=	1 Job	
	Non Schedule		@ 2450000	P.Job		2450000
				Total		**2450000**
			Add 5 % Contractor's Profit:	**=**	**2450000**	**122500**
				G. Total:		**2572500**
				Say		**2572500**

CERTIFICATE

i) Certified that rates for items at serial No. 1 Are not available on the Website of Finance Department for the MRS, 1ST BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH and as such the rate of **Rs: 2572500/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAILED ESTIMATE FOR BORING OF TUBE WELL

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

S. No.	Description of Items	No.	L	B	D	C	Amount
1	Direct Rotary/Reverse Rotary drilling of bore for tubewells in all types of soil except shingle, gravel and rock:- a) from ground level to 250 ft. (75 m) below ground level i) 15" to 18" (375 to 450 mm) i/d	1 x	240			240 Rft	
			@ Rs:		770.65 P/Rft	Rs:	184956
2	Providing strong substantially built box of deodar wood 4'x2½'x9" (1200x750x225 mm), with compartments, lock compland locking arrangement, for preserving samples of strata from bore hole.	1			=	1 Job	
			@ Rs:		34378.70 P/Job	Rs:	34379
3	Furnishing sample of water from bore hole	1 +	1		=	2 Set	
			@ Rs:		183.95 P/Set	Rs:	368
4	Providing and installing, brass strainer in tubewell bore hole, including sockets, special sockets, studs, etc complete:- 8" i/d, 3/16" (200 mm i/d 5 mm) thick	1 x	75		=	75 Rft	
			@ Rs:		9727.20 P/Rft	Rs:	729540
5	Providing and installing M.S. Bail plug in tubewell bore hole: 6" i/d, 2 ft. (150 mm i/d 600 mm) long.	1			=	1 No.	
			@ Rs:		3751.90 Each	Rs:	3752
6	Providing and installing M.S. blind pipe socketed/welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer, etc complete: 12" i/d, ¼" (300 mm i/d 6 mm) thick						
ii)	8" i/d, 3/16" (200 mm i/d 5 mm) thick	1 x	95		=	95 Rft	
			@ Rs:		4724.15 P/Rft	Rs:	448794
7	Testing and developing of tubewell of size 6" (150 mm) i/d and above continuously upto 1.5 cs. Discharge	1 x	60		=	60 Rft	
			@ Rs:		2881.15 P/Rft	Rs:	172869
8	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3 mm), around tubewell in,bore hole 1x22/7x(1 1/2)2x1/4x400	1 x	12		=	12 Hours	
			@ Rs:		2828.15 P/Hr	Rs:	33938
					=	707 Cft	
				Total	=	707 Cft	

	Deduction					
	1x22/7x(5/6)2x1/4x100			=	55 Cft	
	1x22/7x(1/2)2x1/4x250			=	49 Cft	
				Total =	104 Cft	
				Balance =	603 Cft	
			@ Rs:	142.8 P/Cft	Rs:	86108
9	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):- 40Grade (b) deformed bars					
		2 x	75 x 0.667 x	0.454 =	45 Kg	
			@ Rs:	31409.15 %Kgs	Rs:	14134
					Total Rs:	**1708838**
					Say Rs:	**1708800**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAILED ESTIMATE OF POWER WIRING (ELECTRIC INSTALLATION) FOR TURBINE.

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
1	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and						
	Motor & S.board.	1 +	1	-	-	= 2 Nos	
				@	9592.45	Each	19185
2	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- c) PVC insulated, PVC sheathed 4 core,660/1100 volt armoured cable:- vi) 7/1.63 mm (7/0.064")						
		-	-	-	-	= 300 Rft	
				@	1340.7	P.Rft	402210
3	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) 50 mm i/d						
		1 x	10 +			10 Rft	
				@	183.45	P.Rft	1835
4	Supply and erection of house service pipe Henley (G.I. pipe water quality) or						
		1 x	10	-	-	= 10 Rft	
					Total:	= 10 Rft	
				@	650.05	P.Rft	6501
5	Supply and erection of stay for house service pipe, erected with straining						
		1 x	15	-	-	= 15 Rft	
				@	62.10	P.Rft	932
6	Supply and erection of G.I. wire of all sizes, including binding wire No. 16						
		1 x	10 +	40 +	25	= 75 Rft	
	C.O 0.417 lbs/Rft.	75 x	0.0417 x	0.454	-	= 1 Kgs	
				@	312.85	P.Kgs	313
						Total:	**430976**
						Say Rs:	**431000**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

G.I PIPE LINE WITH FITTING (TURBINE TO O.H.R)

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
1	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ IIL or equivalent, in trenches, as approved & directed by the engineer incharge, complete in all respects **f) PN-20 (SDR-9)** ii) 110 mm					= 260 ~~160~~ Rft	
						@ ~~1564.95~~ 628.50 P-Rft	~~250392~~ 163410
2	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):- b) 4" i/d (100 mm)					= 2 No	
						@ 18331.5 Each	36663
3	Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material). b) double					= 1 No	
						@ 11458.05 Each	11458
4	Providing and fixing, reflex valve 4" i/d (non return valve) flanged joint i/c cost of jointing material and as required at site of work.					= 1 No	
	(N.S)					@ 9500.00 Each	9500
5	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil.	1 x	100 x	2 x	2.5 =	500 Cft	
						@ 10677.75 %oCft	5339
6	Rehandling of earthwork: a) Lead upto a single throw of same Qty as item No: 5					= 500 Cft	
						@ 3539.70 %oCft	1770
						Total: -	~~315122~~
						Say :-	~~315100~~ 228140

Sub Engineer

~~Sub Divisional Officer~~
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF R.O WATER PURIFICATION PLANT WITH HYGIENIC ULTRA FILTRATION 4000 LPH ROAD LINK CONTRACTING COMPANY ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

Take 1 NO for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of R.O Water Purification plant	1 No	P-Each	1700000	1700000.00
				TOTAL - A	**1700000.00**
B) LABOUR					
	Fixing & Carriage Charges				20000.00
	10% SUNDRIES				2000.00
				TOTAL - B	**22000.00**
				G- TOTAL (A+B)	**1722000.00**
	ADD 5% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				86100
	OVER ALL TOTAL				**1808100.0**
	RATE PER EACH = 1808100 / 1			1808100	
				Say Rs:-	**1808100 EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the 2nd BI-ANNUAL 2022 PERIOD (1st July, 2022 to 31st December, 2022) DISTRICT LAYYAH as such the rate of **Rs: 18,08,100/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF CHILLAR BEST QUALITY ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

Take 1 NO for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of Chillar	1 No	P-Each	300000	300000.00
				TOTAL - A	**300000.00**
B) LABOUR					
	Fixing & Carriage Charges				5000.00
	10% SUNDRIES				500.00
				TOTAL - B	**5500.00**
				G- TOTAL (A+B)	**305500.00**
	ADD 11% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				33605
	OVER ALL TOTAL				**339105.0**
	RATE PER EACH = 339105 / 1			339105	
				Say Rs:-	**339100 EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the 2nd BI-ANNUAL 2022 PERIOD (1st July, 2022 to 31st December, 2022) DISTRICT LAYYAH as such the rate of **Rs: 3,39,100/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

8 **Panasonic Programing, Testing & Commissioning Charges**

1 x (1) = 1 Job

Total **1 Job @ 120000.00/Each** **Rs.120000/-**

Total. **Rs.1104380/-**

Say **Rs.1104380/-**

Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAILED ESTIMATE FOR EMERGENCY/FIRE ALARM SYSTEM

MRS, 1ST BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH

1 **Non Addressable 4 Zone Fire Alarm Control Panel**

Features:

- Advanced algorithms provide analogue detection discrimination
- Surface-mount device (SMD) circuit board Design
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- Sleek low-profile housing design
- Dual LEDs for 360° visibility
- DC 24 V operation
- Convenient 2-wire connection
- Easy installation with simple address setting DIP switches
- Available with 125 usable detector address settings per loop when connected to Numens control and indicating equipment
- Optional remote LED output
- Low maintenance

MAKE: Numens or available brand

1 x (1) = 1 No.

Total 1 No. @ 116150.00/Each Rs.116150/-

2 **Non Addressable Heat /Smoke Detector**

Features:

- Advanced algorithms provide analogue detection discrimination
- Advanced algorithms provide analogue detection discrimination
- Surface-mount device (SMD) circuit board Design
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- 2-wire models available with remote LED output
- Connects to zone monitor for use with addressable control and indicating equipment
- Sleek low-profile housing design
- Dual LEDs for 360° visibility
- Low maintenance

MAKE: Numens or available brand

1 x (30) = 30 No.

Total 30 No. @ 6120.00/Each Rs.183600/-

ANALYSIS OF RATE FOR PROVIDING AND FIXING OF X.RAY LEAD LINNING SHEET ROLLED ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE

Take 8x4=32 Sft for analysis purpose.
UNIT OF RATE = P-Sft

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of X-ray Lead Linning Sheet Rolled	32 Sft	P.Sft	734.00	23488.00
				TOTAL - A	**23488.00**
B) LABOUR					
	Fixing & Carriage Charges				500.00
				TOTAL - B	**500.00**
				G- TOTAL (A+B)	**23988.00**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				4797.6
	OVER ALL TOTAL				**28785.60**
	RATE PER EACH = 28786 / 32				899.6
				Say Rs:	**900/- P.SFt**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the BI-ANNUAL 2022 PERIOD (1st July, 2022 TO 31st December, 2022) DISTRICT LAYYAH as such the rate of **Rs: 900/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

PROVIDING AND FIXING ANTIMICROBIAL/ANTISTATIC TILE OPERATION THEATOR LAID OVER 3/4" THICK CEMENT PLASTER IN 1:2 C.M ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE

			Unit			
		Take size for analysis			P.Sft Per Sft	
1	Cost of Antistatic tile			=	1 Sft	
	Add: 5% Wastage			=	0.05 Sft	
			Total		1.05 Sft	
		@	496		P.Sft	521
2	3/4" thick cement sand plaster in 1:2 C.M upt 20' heights			=	1 Sft	
			Total		1 Sft	
		@	3630.60		%Sft	36
3	Carriage from Lahore to site of work	***Lump Sum***				50
4	Labour for fixing	***Lump Sum***				60
					Total	**667**
		Add 20% contractor's profit				133.4
					Total	**800.4**
					Say	**800**

CERTIFICATE

I) certidfied that input rate of material and labour for item at Sr. No Nil Are as per input rates displayed on Website of Finance Department for the 2nd Biannual 2022

ii) Certified that rates for items at serial No.1,2,3 Are not avilable on the Website of Finance Department for the 2nd Biannual 2022 such the rate of **Rs. 800/-** has been applied after ascetaining it from the markest.

SUB ENGINEER

Sub Divisional Officer,
Buildings Sub Division
Layyah

Executive Engineer,
Buildings Division,
Layyah

ANALYSIS OF RATE FOR PROVIDING AND FIXING ANTIMICROBIAL PVC WALL PANELLING I/C COST OF NAILS "U" TYPE GOLA ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
A	MATERIAL						
i)	Cost of PVC Wall panneling (Sheet size 10x9.50)	4.80 x	1 x	9.5 =	37.98 Sft		
	Add 5% wastage.			=	1.90 Sft		
				Total =	39.88 Sft		
				@	97	P Sft	3868
ii)	Screws/ Nails with rowel plugs			Lum Sum			475
iii)	PVC Gola 3/4" wide	1 x	2 x	9.5 =	19.00 Rft		
		1 x	2 x	4 =	8.00 Rft		
	Add 5% wastage.			=	1.35 Rft		
				Total =	28.35 Rft		
				@	15	P Rft	425
B	LABOUR						
i)	Carpenter					= 0.5	
				@	1250	P.Sft	625
ii)	Un-Skilled Coolie.					= 0.75	
				@	962	P.Sft	722
						Total:	***6115***
	Add 20% Contractor's profit + O.H.C			*6115*			*1223*
						Total:Rs	***7338***

$$\text{Rate Per Sft} = \frac{7338}{38} = 193.105$$

Say Rs: = 193

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 193/-** has been applied after ascertaining it from the markets.

SUB ENGINEER

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
LAYYAH

EXECUTIVE ENGINEER
BUILDINGS DIVISION
LAYYAH

ANALYSIS OF RATE FOR PROVIDING AND FIXING OF BRACKET FAN 18" SWEEP OF APPROVED FIRM GFC/PAK/YOUNIS ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE

Take 1 NO for analysis purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of Bracket Fan	1 No	P-Each	5800.00	5800.00
				TOTAL - A	**5800.00**
B) LABOUR					
	Fixing Charges				200.00
				TOTAL - B	**200.00**
				G- TOTAL (A+B)	**6000.00**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				1200
	OVER ALL TOTAL				**7200.00**

RATE PER EACH $= \frac{7200}{1}$ 7200.0

Say Rs: 7200/- EACH

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (1st July-2022 to 31st December-2022) DISTRICT LAYYAH as such the rate of Rs: 7200/- has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR PROVIDING AND FIXING OF LED 18 WATT ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE

Take 1 NO for analysis purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of LED 18 Watt	1 No	P-Each	508.00	508.00
				TOTAL - A	**508.00**
B) LABOUR					
	Fixing Charges				50.00
				TOTAL - B	**50.00**
				G- TOTAL (A+B)	**558.00**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				111.6
	OVER ALL TOTAL				**669.60**
	RATE PER EACH = 669.6 / 1			669.6	
				Say Rs:	**670/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (1st July-2022 to 31st December-2022) DISTRICT LAYYAH as such the rate of Rs: 670/- has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR PROVIDING AND FIXING OF LED FLOOD/SEARCH LIGHT 50 WATT ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE

Take 1 NO for analysis purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of LED Flood/Search light 50 Watt	1 No	P-Each	4725.00	4725.00
				TOTAL - A	**4725.00**
B) LABOUR					
	Fixing Charges				150.00
				TOTAL - B	**150.00**
				G- TOTAL (A+B)	**4875.00**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				975
	OVER ALL TOTAL				**5850.00**
	RATE PER EACH = 5850 / 1				5850.0
				Say Rs:	**5850/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (1st July-2022 to 31st December-2022) DISTRICT LAYYAH as such the rate of Rs: 5850/- has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

150 YEARS
People. Passion. Performance.

KSB

QUOTATION
Vertical Line Shaft Turbine Pump
ALTA

Executive Engineer Building Division Layyah					
Ref:	Telephonic	Date	19.07.22	Our Ref:	MEA 12738 (1)
No. of Pumps:	01	Pump Type	ALTA 260.60/4	Date	19.07.22

Capacity	0.50 cusec	Max. O.D of Bowl	10.23
Pump total head	160 FT	I.D tube well	12 Inch
Bowl Assembly Head		Length of strainer	
Speed	1450 rpm	Length of suction pipe	
Bowl Input		Length of bowl assembly	
Line Shaft loss		Length of column pipe	80 ft
Pump Input		Length of Top pipe	1 ft
Prime Mover (SIEM V-1)	20 HP/4Pole	Total Length of column	81 ft
		Total length of pump	

Material Specifications

Pump Assembly		*Column pipe assembly*	
Bowls	Cast Iron	column pipe	Steel
Impellers	Cast Iron	Shaft	Carbon Steel
Wearing ring	Cast Iron	Shaft Sleeve	Bronze
Shaft	Stainless Steel	Shaft couplings	Steel
Shaft Sleeves	Bronze	Bearings	Rubber Lined
Bearing	Bronze	Bearing retainer	Cast Iron
		Column pipe coupling	Cast Iron
		Top shaft	Stainless Steel

Component parts of each pumping unit

Pump assembly of	4	stages with mixed flow type impeller full dia			
Column assembly of	4	Inches ID. With flanged joints each 10 ft length		8	set
			each 5 ft length		sets
			each 2m length		sets
			and one top set	1	feet length
			shaft dia	25	mm

Discharge head with 4 inches discharge branch type 1342 A flange BSS with Priming Tank

Price of pumping unit as specified above

ACCESSORIES:

(1) Motor Control Unit ASD-20 Make KSB	Included
(2) Cast Iron Sluice & Reflux Valve 4 inch	Included
(3) Mech. & Electrical Installation with in the pump house, w/o any civil works	Included
Price Per Set Inclusive of 17% GST	Rs. 2,450,000

Commercial Terms & Condition:

Delivery at:	Site.
Delivery Time:	6 to 8 Weeks after receipt of firm order
Validity:	30 days
Terms of Payment:	50% Advance, balance before delivery

For KSB Pumps Company Limited
Sales Department

Working out the price of above mentioned engineered product should be acknowledged as KSB's prerogative. This Quotation will have no bearing on previously quoted prices anywhere or on prices to be quoted in future to any prospective client. After expiry of quotation's validity KSB reserve the right to change price as a result of market forces/manufacturing variables.
Procuring agency is requested to comply with all PPRA rules as it is its responsibility.

Sub Divisional Officer
Buildings Sub Division
LAYYAH

Executive Engineer
Building Division
LAYYAH

KSB PUMPS COMPANY LIMITED: Regional Sales Office: Ground Floor, Golden Heights Plaza, Nusrat Road, Multan Cantt.
UAN: +92-61-111-572-786 · Tel: +92-61-4541983-84 · Fax: +92-61-4541784 · Email: ksbmul@ksb.com.pk · www.ksb.com.pk

WORKS: Hazara Road, Hassanabdal, Pakistan · Tel: +92-57-2520236 · Fax: +92-57-2520237 · E-mail: admin.hasanabdal@ksb.com.pk

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Non Addressable 4 Zone Fire Alarm Control Panel Features:· Advanced algorithms provide analogue detection discrimination · Surface-mount device (SMD) circuit board Design · High immunity against unwanted alarms · Stable smoke sensing chamber. No adjustment or replacement required · Sleek low-profile housing design · Dual LEDs for 360° visibility · DC 24 V operation · Convenient 2-wire connection · Easy installation with simple address setting DIP switches · Available with 125 usable detector address settings per loop when connected to Numens control and indicating equipment· Optional remote LED output · Low maintenance MAKE: Numens or available brand

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	115000.00	115000.00
				TOTAL - A	**115000.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				23000
	OVER ALL TOTAL				**138000.00**
	RATE PER EACH = 138000 / 1			138000.0	
				Say Rs:=	**138000/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 138000/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Non Addressable Heat /Smoke Detector
Features:
· Advanced algorithms provide analogue detection discrimination
· Advanced algorithms provide analogue detection discrimination
· Surface-mount device (SMD) circuit board Design
· High immunity against unwanted alarms
· Stable smoke sensing chamber. No adjustment or replacement required
· 2-wire and 4-wire models for DC 12 V and DC 24 V operation
· 2-wire models available with remote LED output
· Connects to zone monitor for use with addressable control and indicating equipment
· Sleek low-profile housing design
· Dual LEDs for 360° visibility
· Low maintenance
MAKE: Numens or available brand

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	5100.00	5100.00
				TOTAL - A	**5100.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				1020
	OVER ALL TOTAL				**6120.00**
	RATE PER EACH = 6120 / 1			6120.0	
				Say Rs:=	**6120/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 6120/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Non Addressable Low Profile Base (for Smoke & Heat)

Features:

· Secure mounting to all surfaces
· Flexible mounting pitch
· Low profile and high profile models available
· Cable entry points through the rear for low profile bases
· Cable entry points through the rear or side for high profile bases
· Plated contacts for durable connection to detectors
· Fitted square washer to easy and reliable cable clamping
· Terminals suitable for (0.4 ~ 2.5) mm 2 diameter wiring
· Low maintenance

MAKE: Numens or available brand

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	1115.00	1115.00
				TOTAL - A	**1115.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				223
	OVER ALL TOTAL				**1338.00**
	RATE PER EACH = 1338 / 1			1338.0	
				Say Rs:=	**1338/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 1338/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Non Addressable 4 Zone Fire Alarm Control Panel

Features:

· Advanced algorithms provide analogue detection discrimination
· Surface-mount device (SMD) circuit board Design
· High immunity against unwanted alarms
· Stable smoke sensing chamber. No adjustment or replacement required
· Sleek low-profile housing design
· Dual LEDs for 360° visibility
· DC 24 V operation
· Convenient 2-wire connection
· Easy installation with simple address setting DIP switches
· Available with 125 usable detector address settings per loop when connected to Numens control and indicating equipment
· Optional remote LED output
· Low maintenance
MAKE: Numens or available brand

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	4000.00	4000.00
				TOTAL - A	**4000.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				800
	OVER ALL TOTAL				**4800.00**
	RATE PER EACH = 4800 / 1			4800.0	
				Say Rs:=	**4800/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 4800/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Non Addressable 4 Zone Fire Alarm Control Panel

Features:

· Advanced algorithms provide analogue detection discrimination
· Surface-mount device (SMD) circuit board Design
· High immunity against unwanted alarms
· Stable smoke sensing chamber. No adjustment or replacement required
· Sleek low-profile housing design
· Dual LEDs for 360° visibility
· DC 24 V operation
· Convenient 2-wire connection
· Easy installation with simple address setting DIP switches
· Available with 125 usable detector address settings per loop when connected to Numens control and indicating equipment
· Optional remote LED output
· Low maintenance
MAKE: Numens or available brand

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	4000.00	4000.00
				TOTAL - A	**4000.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				800
	OVER ALL TOTAL				**4800.00**

RATE PER EACH = 4800 / 1 = 4800.0

Say Rs:= 4800/- EACH

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 4800/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Base, Low Profile ,4 Terminal, 99mm , Continuity, Red (For Sounder and Flasher)

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	1675.00	1675.00
				TOTAL - A	**1675.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				335
	OVER ALL TOTAL				**2010.00**
	RATE PER EACH = 2010 / 1			2010.0	
				Say Rs:=	**2010/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 4800/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Wiring

Providing & Installation of Wiring for with 2 pair Fire Alarm Cable , false ceiling, and open air as per site conditions including cost of all necessary materials duct/pipe & accessories,

etc complete in all respect as approved by the Engineer Incharge.

Take 1 Rft for analysis purpose.

UNIT OF RATE = P-RFT

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	90.00	90.00
				TOTAL - A	**90.00**
	ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC				18
	OVER ALL TOTAL				**108.00**
	RATE PER RFT = 108/1			108.0	
				Say Rs:=	**108/- P.RFT**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 108/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

ANALYSIS OF RATE FOR THE ITEM OF EMERGENCY ALRAM SYSTEM/FIRE ALRAM SYSTEM COMPONENT

Panasonic Programing, Testing & Commissioning Charges

etc complete in all respect as approved by the Engineer Incharge.

Take 1 No for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Market Cost of above mentioned Item.	1 No	P-Each	100000.00	100000.00
				TOTAL - A	**100000.00**
	ADD 20% CONTRACROR'S PROFIT ETC				20000
	OVER ALL TOTAL				**120000.00**
	RATE PER EACH = 120000 / 1			120000.0	
				Say Rs:=	**120000/- EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT LAYYAH as such the rate of **Rs: 120000/-** has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010048
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010048
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010048
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

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

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	39.000	20.449	2.749	2.690	4.892	7.487	77.267
Utilization	19.027	19.706	2.670	2.464	4.867	0.893	49.627

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.:**
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 Kot Sultan (3rd Revised)"** has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

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17. RELATION WITH OTHER PROJECTS