



PC-1

Revamping of THQ Hospital, Thal (Nawaz Sharif Hospital) District Layyah

ORIGINAL APPROVED COST	<b>PKR Million. 376.740/-</b>
ORIGINAL APPROVED GESTATION	<b>72 Months</b> <b>Till June 2025</b>
APPROVAL FORUM	<b>DDSC (DDSC)</b>

## **1. NAME OF THE PROJECT**

Revamping of THQ Hospital, Thal (Nawaz Sharif Hospital) 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 FEDERAL MINISTRY**

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

<b>3</b>	<b>AUTHORITIES RESPONSIBLE</b>	
	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	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>GS No:</b> 5232
3	<b>Total Allocation:</b> 0.000
4	<b>Comments:</b> 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 2<sup>nd</sup> Phase of the said revamping program in September, 2017.

### **5.1 Background of Primary & Secondary Healthcare Department**

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

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

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

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

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

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

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

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

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

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

## **5.3 Infrastructural Interventions**

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

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

Major infrastructural interventions can be divided in the following four categories

### **5.3.1 External Development**

### **5.3.2 Internal Development**

### **5.3.3 Medical Infrastructure Development**

### **5.3.4 Emergencies Development**

### **5.3.1 External Development**

#### **5.3.1.1 External Platforms**

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

#### **5.3.1.2 Façade Improvement**

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

#### **5.3.1.3 Sewerage System**

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

#### **5.3.1.4 Landscaping (Horticulture)**

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

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

#### **5.3.1.5 Water Filtration Plant**

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

#### **5.3.1.6 External Electrification**

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

#### **5.3.1.7 Parking and Waiting area**

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

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

#### **5.3.1.8 External Signage**

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

### **5.3.2 Internal development**

#### **5.3.2.1 Aesthetic improvement**

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

#### **5.3.2.2 Ramp and Stretcher improvement**

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

#### **5.3.2.3 Seamless flooring and Lead Lining**

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

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

#### **5.3.2.4 Aluminum doors and windows**

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

#### **5.3.2.5 Improvement of washroom blocks**

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

#### **5.3.2.6 Facilitation of attendants and patients**

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

#### **5.3.2.7 Furniture and Fixtures**

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

#### **5.3.2.8 Air Conditioners, Refrigerators and LEDs**

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

#### **5.3.2.9 Internal Signage and Paintings**

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

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

#### **5.3.3 Medical Infrastructure Development**

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

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



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

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

#### **5.3.3.1 Emergency Department:**

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

##### **5.3.3.1.1 General Overview of Emergency Department**

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

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

##### **5.3.3.1.2 Position of Emergency Department**

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

#### **5.3.3.1.3 Access towards the Emergency Department**

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

#### **5.3.3.1.4 Medical Infrastructure Emergency:**

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

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

#### **5.3.3.1.5 General Building Interventions:**

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

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

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

#### **5.3.3.2 Monitoring and Quality Assurance (Process Interventions)**

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

#### **5.3.3.2.1 MSDS (Minimum Service Delivery Standards)**

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

### **The PDSA cycle**

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

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

### **5.3.3.3 Laboratory**

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

#### **5.3.3.4 X-Ray**

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

#### **5.3.3.5 CCU**

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

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

#### **5.3.3.6 Dialysis Unit**

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

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

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

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

#### **5.3.3.7 Labor Rooms/Nurseries**

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

#### **5.3.3.8 Operation Theater**

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

#### **5.3.3.9 Orthopedic unit**

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

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

#### **5.3.3.10 Gynecology Department**

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

#### **5.3.3.11 Surgical Unit**

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

#### **5.3.3.12 Intensive Care Unit (ICU)**

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

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



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

#### **5.3.3.13 Mortuary Unit**

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

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

#### **5.3.3.14 Dental Unit**

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

#### **5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)**

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

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

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

### **Importance of Physiotherapy and Rehabilitation department**

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

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

### **Opportunity Rationale**

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

### **5.3.3.16 Queue Management System (QMS)**

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

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

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

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

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

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

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

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

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

#### **5.3.3.17 Electronic Medical Record (EMR)**

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

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

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

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

#### **5.3.3.18 Video Surveillance through CCTVs**

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

#### **5.3.3.19 Medicine Store**

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

#### **5.3.3.20 Day Care Center**

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

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

#### **5.4 Out Sourcing of Non Clinical Services**

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

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

##### **5.4.1 Janitorial services**

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

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

##### **5.4.2 Laundry Services**

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

#### **5.4.3 MEPG Services**

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

#### **5.4.4 CT Scan Services**

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

#### **5.4.5 Security**

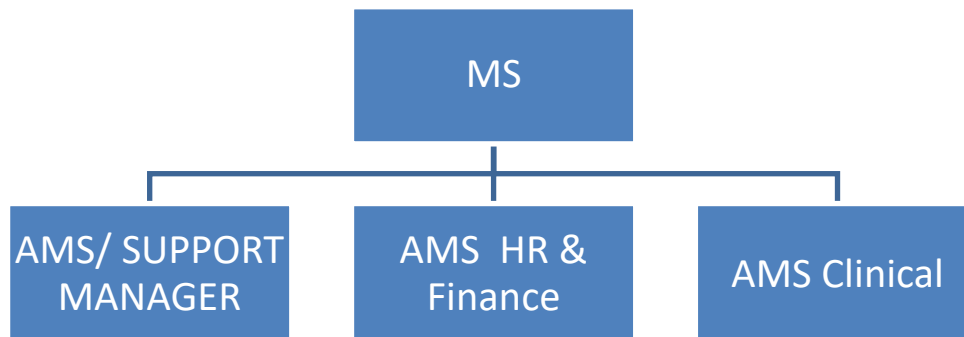
The outsourcing model is designed due to non-provision of security arrangements and improper parking in different areas of premises of hospital. This model consists of guards who shall work in two shifts to provide security and surveillance for complete premises of hospital excluding residential areas.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

#### **5.6 HR & Management Interventions Structure**

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

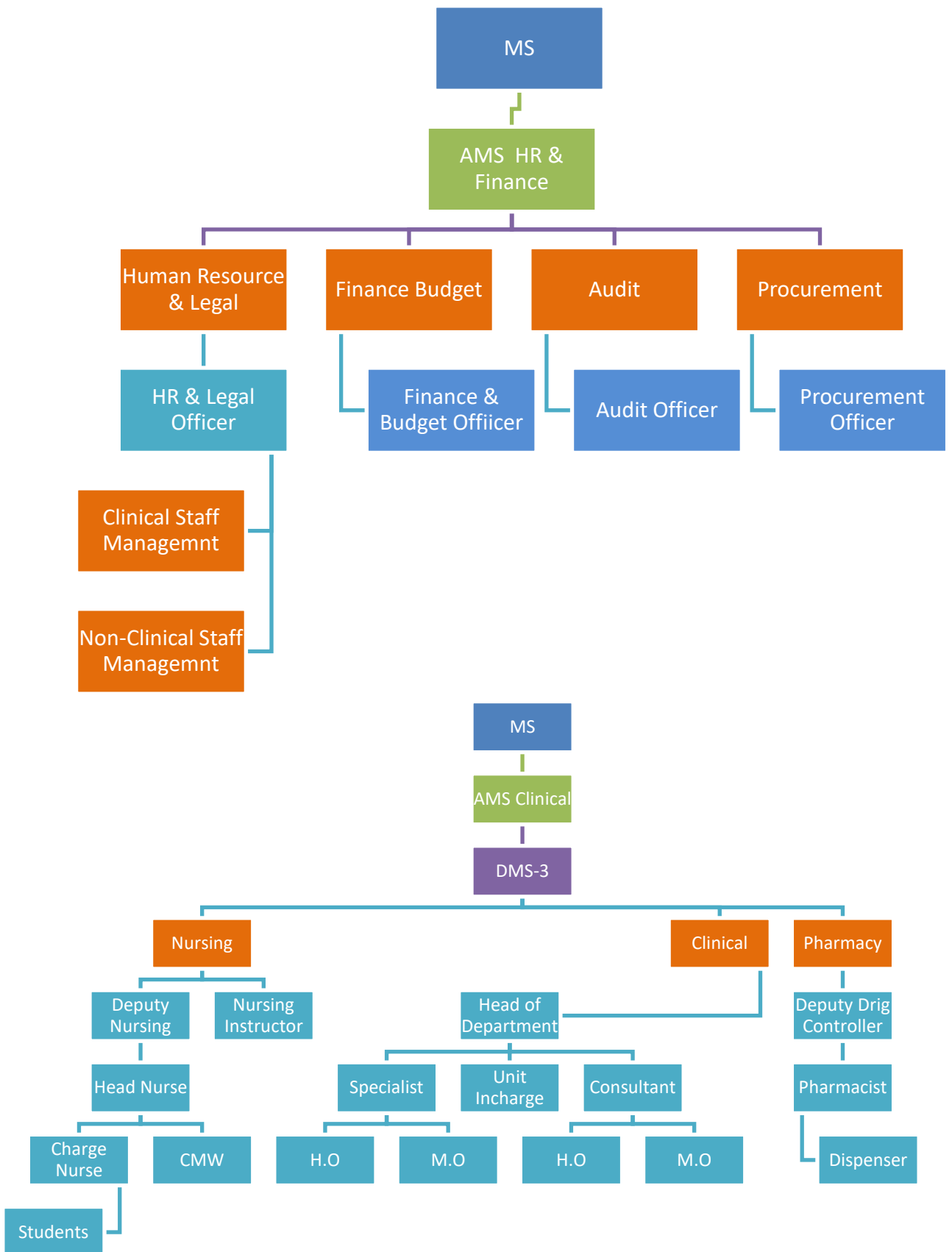


## New Organogram of Hospital



### MS

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



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

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

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

##### **5.6.2.1 Medical Superintendent**

Shall be overall responsible for all the affairs of the Hospital

##### **5.6.2.2 AMS Admin.**

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

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

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

### **New Management Structure (NMS)**

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

#### **5.6.2.3 Admin Officer**

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

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

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

#### **Eligibility Criteria**

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

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

#### **5.6.2.4 Human Resource Officer**

Shall be responsible for following:

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

#### **Eligibility Criteria**

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

#### **5.6.2.5 IT/Statistical Officer**

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

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

#### **Eligibility Criteria**

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

#### **5.6.2.6 Finance & Budget Officer**

Shall be responsible for following:

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

##### **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**

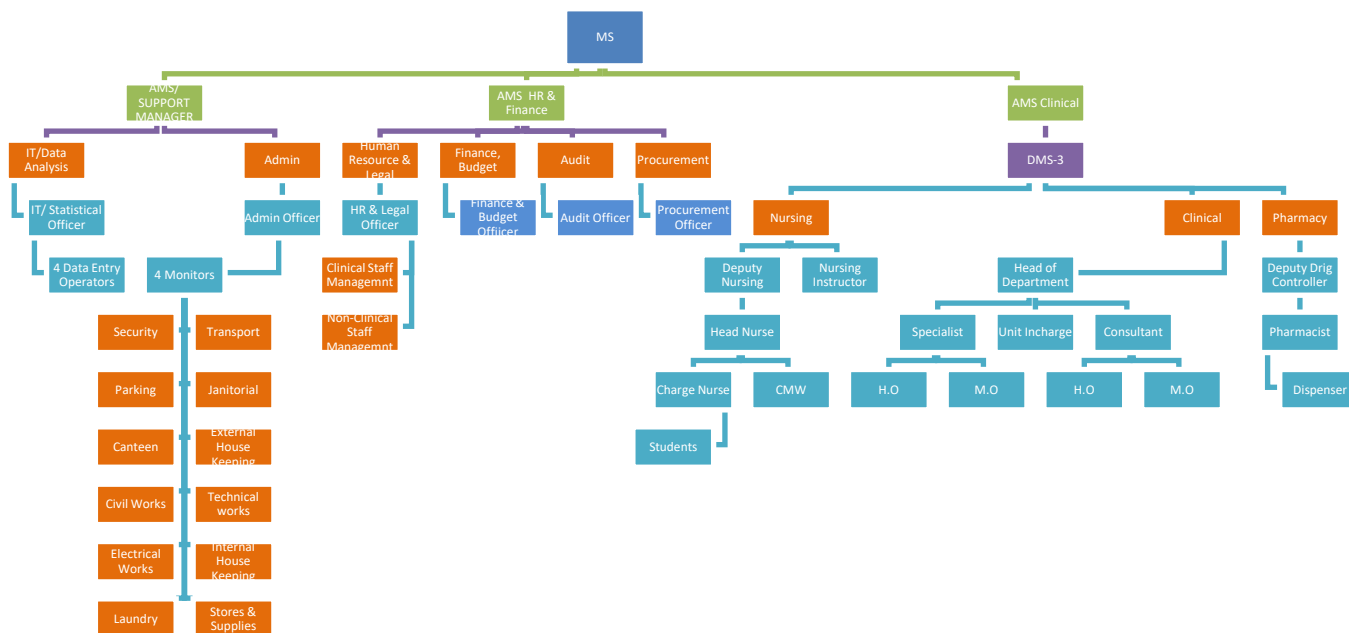
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

#### **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 83<sup>rd</sup> 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:

<b><u>Project Pay Scale (PPS)</u></b>	<b><u>Revised Project Pay Scales (Permissible Range) (PKR)</u></b>	<b><u>Annual Increment Up to % age</u></b>
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 83<sup>rd</sup> 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
<b>Total</b>	<b>11</b>		<b>8,760,000</b>	<b>849,000</b>	<b>11,556,000</b>

### **5.8 Other Initiatives:**

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

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

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

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

## **5.9 Patient Management Protocol**

### **5.9.1 Emergency:**

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

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

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

#### **5.9.2 O.P.D:**

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

#### **5.9.3 Death or End of Life Management.**

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



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

#### **5.9.4 Inventory Control System**

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

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

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

#### **5.9.5 Project Monitoring Committee**

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

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

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

#### **5.10 Relationship with Sectoral Objectives**

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

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

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

## **6. DESCRIPTION AND JUSTIFICATION OF PROJECT**

### **6.1 JUSTIFICATION OF PROJECT**

attached

## **1. Description, Justification and Technical Parameters**

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Thal (Nawaz Sharif Hospital) District Layyah is more than 0.499 million. The area of the THQ Hospital Thal (Nawaz Sharif Hospital) District Layyah is 127,030 SFT land.

### **6.1 Description and Justification**

The Project Management Unit, Revamping Program, Primary and Secondary Healthcare Department planned to start the 2<sup>nd</sup> 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 Thal (Nawaz Sharif Hospital) District Layyah

Revamping of THQ Thal (Nawaz Sharif Hospital) 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 3<sup>rd</sup> Revision of PC-I**

1. Primary & Secondary Healthcare Department (P&SHD) made a decision to shift all the clerical posts in DHQ / THQ hospitals of Punjab to District Health Authorities as per notification dated 24<sup>th</sup> 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 60<sup>th</sup> PDWP meeting as under: -

Name of Posts	60 <sup>th</sup> 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 83<sup>rd</sup> PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I.

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

#### **85 THQ Hospitals covered under the Program:**

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

PROJECT MANAGEMENT UNIT  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



## **6.2 SECTORAL SPECIFIC INFORMATION**

Social Sectors, Health Department



## 7. CAPITAL COST ESTIMATES

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

**Grant Number:**Development - (KB22C36)  
**LO NO:**LO17010556  
**A/C To be Credited:**Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	115.568	0.000	100.000	0.000	100.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	115.568	0.000	100.000	0.000	100.000	0.000

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010737  
**A/C To be Credited:**Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	61.172	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	61.172	0.000	0.000	0.000	0.000	0.000

Abstract of Cost															
Revamping of THQ Hospital Thal (Nawaz Sharif Hospital)															
Scope of work	Cost in million														
	Original			1st Revised			2nd Revised			Amended 2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>															
Internal Development	0.000	8.120	8.120	0.000	8.120	8.120	43.222	3.000	46.222	55.251	3.000	58.251	55.251	3.000	58.251
External Development	0.000	1.884	1.884	0.000	1.884	1.884	4.442	0.000	4.442	2.933	0.000	2.933	2.933	0.000	2.933
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	1.793	0.000	1.793	2.988	0.000	2.988	2.988	0.000	2.988
<b>Total Capital Component</b>	<b>0.000</b>	<b>15.604</b>	<b>15.604</b>	<b>0.000</b>	<b>15.604</b>	<b>15.604</b>	<b>49.457</b>	<b>3.000</b>	<b>52.457</b>	<b>61.172</b>	<b>3.000</b>	<b>64.172</b>	<b>61.172</b>	<b>3.000</b>	<b>64.172</b>
Emergency	0.000	26.815	26.815	0.000	26.815	26.815	0.000	37.617	37.617	0.000	37.617	37.617	0.000	62.498	62.498
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	51.349	51.349	0.000	51.349	51.349	0.000	68.303	68.303	0.000	68.303	68.303	0.000	104.810	104.810
Electricity	0.000	16.453	16.453	0.000	16.453	16.453	0.000	17.053	17.053	0.000	17.053	17.053	0.000	23.553	23.553
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.124	3.124	0.000	3.124	3.124	0.000	4.271	4.271	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	41.820	41.820	0.000	41.820	41.820	0.000	60.327	60.327
LC Deficit during procurement (currency fluctuation)								3.114	3.114		3.114	3.114		3.114	3.114
<b>Total Revenue component</b>	<b>0.000</b>	<b>153.226</b>	<b>153.226</b>	<b>0.000</b>	<b>153.226</b>	<b>153.226</b>	<b>0.000</b>	<b>213.651</b>	<b>213.651</b>	<b>0.000</b>	<b>213.651</b>	<b>213.651</b>	<b>0.000</b>	<b>312.520</b>	<b>312.520</b>
<b>Outsourcing component</b>															
Janitorial Services	0.000	11.956	11.956	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.343	5.343	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.920	1.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.412	3.412	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	4.088	4.088	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
<b>Total outsourcing cost</b>	<b>0.000</b>	<b>37.166</b>	<b>37.166</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>
<b>Total</b>	<b>0.000</b>	<b>205.996</b>	<b>205.996</b>	<b>0.000</b>	<b>168.878</b>	<b>168.878</b>	<b>49.457</b>	<b>216.699</b>	<b>266.156</b>	<b>61.172</b>	<b>216.699</b>	<b>277.871</b>	<b>61.172</b>	<b>315.568</b>	<b>376.740</b>
<b>Contingency (1%) only on Civil Component</b>	0.000	0.156	0.156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third Party Monitoring (TPM) (1%)</b>	0.000	2.060	2.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third Party Validation (TPV) (1%)</b>	0.000	2.060	2.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Grand Total</b>	<b>0.000</b>	<b>210.273</b>	<b>210.273</b>	<b>0.000</b>	<b>168.878</b>	<b>168.878</b>	<b>49.457</b>	<b>216.699</b>	<b>266.156</b>	<b>61.172</b>	<b>216.699</b>	<b>277.871</b>	<b>61.172</b>	<b>315.568</b>	<b>376.740</b>

Emergency Equipment															
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity (T=8+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=8+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=8+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=8+S=0+E=12)	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	8	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	8	15,750	126,000	8	15,750	126,000	8	30,000	240,000	8	30,000	240,000
7		Gurney WITH FOOT STEP)*(N)	3	8	420,000	3,360,000	8	420,000	3,360,000	8	460,000	3,680,000	8	800,000	6,400,000
8		Mercury B.P apparatus*(N)	2	6	33,600	201,600	6	33,600	201,600	6	36,000	216,000	6	36,000	216,000
9		Laryngoscope paed's & adult each*(N)	2	6	10,500	63,000	6	10,500	63,000	6	12,000	72,000	6	20,000	120,000
10		Diagnostic set*(N)	1	3	45,150	135,450	3	45,150	135,450	3	50,000	150,000	3	85,000	255,000
11		ECG Machine (with trolley) *(N)	1	3	169,785	509,355	3	169,785	509,355	3	180,000	540,000	3	300,000	900,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	6	125,265	751,590	6	125,265	751,590	6	215,000	1,290,000	6	300,000	1,800,000
14		SUCKER MACHINE*(N)	1	3	259,350	778,050	3	259,350	778,050	3	275,000	825,000	3	300,000	900,000
15		Resuscitation Trolley (fully equipped) *(N)	1	3	244,733	734,199	3	244,733	734,199	3	400,000	1,200,000	3	600,000	1,800,000
16		INSTRUMENT CABINET*N	1	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900
17		MEDICINE TROLLY*N	1	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	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	12	210,000	2,520,000	12	210,000	2,520,000	12	400,000	4,800,000	12	600,000	7,200,000
41	12	ECG machine(with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	169,785	339,570	2	300,000	600,000
42		Pulse- oximeter *(N)	6	11	104,000	1,144,000	11	104,000	1,144,000	11	160,000	1,760,000	11	225,000	2,475,000
43		Bedside-monitor*(N)	3	6	301,665	1,809,990	6	301,665	1,809,990	6	550,000	3,300,000	6	1,200,000	7,200,000
44		B.P apparatus wall type *(N)	6	11	26,250	288,750	11	26,250	288,750	11	30,000	330,000	11	30,000	330,000

Emergency Equipment															
			Original				1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
45	Emergency ward	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
46		Resuscitation Trolley (fully equipped) \*(N)	1	2	237,618	475,236	2	237,618	475,236	2	400,000	800,000	2	600,000	1,200,000
47		Defibrillator*N	1	2	299,153	598,307	2	299,153	598,307	2	650,000	1,300,000	2	800,000	1,600,000
48		Sucker machine *(N)	2	4	259,350	1,037,400	4	259,350	1,037,400	4	275,000	1,100,000	4	300,000	1,200,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paedts with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		<b>Total</b>				<b>26,814,925</b>			<b>26,814,925</b>			<b>37,617,220</b>			<b>62,498,400</b>
						26.815			26.815			37.617			62.498

## MSDS

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

## MSDS

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEM DESCRIPTION	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)
49	Identification Bands	100	3	315	100	3	315	100	3	300	100	3	300
50	Wet Flooring Signages	0	431	-	0	431	-	0	550	-	0	750	-
51	Key Box	6	8,190	49,140	6	8,190	49,140	6	10,000	60,000	6	10,000	60,000
52	Dehumidifier	0	58,800	-	0	58,800	-	0	70,000	-	0	100,000	-
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400	4	1,500	6,000
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	0	630,000	-	0	630,000	-	0	630,000	-	0	630,000	-
57	Automatic shoe cover machine	2	296,100	592,200	2	296,100	592,200	2	332,500	665,000	2	332,500	665,000
58	Vein Finder	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000
59	Blood Sample Vials (BOXES)	3	13	38	3	13	38	3	15	45	3	15	45
60	Bassinets	5	21,000	105,000	5	21,000	105,000	5	22,000	110,000	5	22,000	110,000
61	Chemical Spill Cleanup kit	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000
62	Digital Temperature Humidity Guage	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000
63	Bio Cleaning and Disinfection System	1	650,000	650,000	1	650,000	650,000	1	650,000	650,000	1	2,200,000	2,200,000
	<b>Total</b>			<b>8,647,094</b>			<b>8,647,094</b>			<b>9,653,822</b>			<b>13,437,942</b>
				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	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	550,000	-	
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000	
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000	
4		Blood Gas Analyzer	0	1	0	2,744,858	-	1	0	2,744,858	-	1	0	3,200,000	-	1	0	1,400,000	-	
5		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-	
6		Water Bath	1	1	0	60,000	-	1	0	60,000	-	1	0	157,500	-	1	0	325,000	-	
7		Hot air Oven	1	1	0	210,000	-	1	0	210,000	-	1	0	385,000	-	1	0	450,000	-	
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000	
9		Auto pipettes	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,500	405,000	0	10	45,000	450,000	
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	
11	X-Rays	Centrifuge Machine	2	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	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	6,000,000	6,000,000	0	1	12,000,000	12,000,000	
13		Mobile X-Ray Machine	0	1	0	3,850,524	-	1	0	3,850,524	-	1	0	4,300,000	-	1	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		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	2	0	52,500	-	2	0	52,500	-	2	0	60,000	-	2	0	85,000	-	
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-	
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-	
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	
20		Ultrasound	Portable/Mobile Ultrasound	0	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	CCU	ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000	
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-	
24		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000	
25		ECG Machine Three Channel	2	2	0	169,785	-	2	0	169,785	-	2	0	169,785	-	2	0	300,000	-	
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	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	1	300,000	300,000	
29	Blood Bank	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		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	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	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	Nursery	Baby Cot	10	1	9	14,669	132,017	1	9	14,669	132,017	1	9	16,000	144,000	1	9	16,000	144,000	
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	850,000	1,700,000	
36		Infant Warmer	2	1	1	335,638	335,638	1	1	335,638	335,638	1	1	985,000	985,000	1	1	1,050,000	1,050,000	
37		Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	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	1	0	259,350	-	1	0	259,350	-	1	0	275,000	-	1	0	300,000	-	
40		Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000	
41	O.T (04)	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	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000	
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	2	0	1,426,215	-	2	0	1,426,215	-	2	0	2,000,000	-	2	0	2,500,000	-	
46		Ceiling Operating Light	1	2	0	413,013	-	2	0	413,013	-	2	0	800,000	-	2	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	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	1	300,000	300,000	
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	
51	Orthopedic	MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	900,000	-	
52		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-	
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-	
54		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	1	0	432,623	-	1	0	432,623	-	1	0	550,000	-	1	0	550,000	-	

Medical Equipment																					
			Original					1st Revised				2nd Revised				3rd Revised					
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost		
57	Gynea (20 beds)	Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	2,400,000	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	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,000	320,000	2	8	65,000	520,000		
60		Delivery Table	2	4	0	47,250	-	4	0	47,250	-	4	0	47,250	-	4	0	55,000	-		
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000		
62		D & C Set	2	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		Vacume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000		
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-		
65		ECG Machine Three Channel	1	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	Surgical Emergency (10 beds)	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 trolley	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	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	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-		
72		MOBILE OPERATING LIGHT	0	1	0	285,466	-	1	0	285,466	-	1	0	400,000	-	1	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	3	0	9,744	-	3	0	9,744	-	3	0	12,000	-	3	0	20,000	-		
75		Set of Surgical Instruments	0	3	0	141,750	-	3	0	141,750	-	3	0	160,000	-	3	0	220,000	-		
76		Others	Stretcher	10	8	2	68,250	136,500	8	2	68,250	136,500	8	2	69,300	138,600	8	2	69,300	138,600	
77	wheel chair		10	10	0	31,500	-	10	0	31,500	-	10	0	35,000	-	10	0	35,000	-		
78	foot support		6	2	4	4,200	16,800	2	4	4,200	16,800	2	4	4,500	18,000	2	4	5,148	20,592		
79	Resuscitation trolley With Crash Cart		5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000		
80	BP Appratus		15	30	0	15,750	-	30	0	15,750	-	30	0	16,000	-	30	0	16,000	-		
81	Ventilator		0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-		
82	CPAP		1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000		
83	X-RAY PROCESSOR		1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	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 Intensifier		0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	12,000,000	-		
86	ICU	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 trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000		
90		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000		
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-		
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	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		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	MORTUERY	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 TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250		
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000		
102		Ambu-Bag, paedrs	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000		
103		TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	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		



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
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114	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					51,349,012				51,349,012				68,302,850				104,810,442
							51.349				51.349				68.303				104.810

### Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	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)	30	55,500	1,665,000	30	55,500	1,665,000	30	55,500	1,665,000	30	55,500	1,665,000
7	2 Ton air conditioners (Cabinet)	10	78,000	780,000	10	78,000	780,000	10	78,000	780,000	10	78,000	780,000
8	4 Ton air conditioners (Cabinet)	30	120,000	3,600,000	30	120,000	3,600,000	30	120,000	3,600,000	30	120,000	3,600,000
9	Ceiling Fans 56"	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
<b>Total</b>				<b>16,453,140</b>			<b>16,453,140</b>			<b>17,053,140</b>			<b>23,553,140</b>
				<b>16,453</b>			<b>16,453</b>			<b>17,053</b>			<b>23,553</b>

### 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	Tab	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
	<b>Total</b>			<b>14,515,000</b>			<b>14,515,000</b>			<b>16,715,000</b>			<b>20,120,000</b>
				<b>14.515</b>			<b>14.515</b>			<b>16.715</b>			<b>20.120</b>

## Furniture and Fixtures

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	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
	<b>Machinery and Equipment's</b>												
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
	<b>Laundry &amp; Washing</b>												
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
	<b>Medicine Store</b>												
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
	<b>Total</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>18,787,500</b>
				<b>13.504</b>			<b>13.504</b>			<b>13.504</b>			<b>18.788</b>

## Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		<b>External Sign Boards</b>												
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
		<b>Internal Signage</b>	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
		<b>Total</b>			<b>3,032,714</b>			<b>3,032,714</b>			<b>4,146,482</b>			<b>4,146,482</b>
		Designing and Site Supervision			90,981			90,981			124,394			124,394
		<b>Grand Total</b>			<b>3,123,695</b>			<b>3,123,695</b>			<b>4,270,877</b>			<b>4,270,877</b>
					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

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
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	<b>TOTAL</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>
				1.600			1.600			1.600			1.600



### Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	<b>Sub Total of HR Model</b>			<b>4,860,000</b>	<b>17,220,000</b>			<b>4,860,000</b>	<b>17,220,000</b>			<b>5,040,000</b>	<b>28,140,000</b>				5,273,000	40,473,000
					<b>17,220</b>				<b>17,220</b>				<b>28,140</b>					<b>40,473</b>
	<b>Utilization of HR Component</b>								<b>13,680</b>				<b>19,85</b>					
	<b>Total of HR Component</b>												<b>41.82</b>					<b>60,327</b>

## Janitorial Services

		<b>Original</b>		<b>From 1st Revised to onward</b>
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	27,098	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	4	Persons		
Road and ROW area	54,517	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	4	Persons		
Number of washroom blocks	8	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	3	Persons		
Total sweeper in morning shift	10	Persons		
Total number of sweepers in evening shift	5	Persons		
Total number of sweepers in night shift	5	Persons		
Total number of sweepers in all shifts	21	Persons		
Number of sewer men required	3	Persons		
Number of supervisors	3	Persons		
<b>Salary component</b>				
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary for One Year</b>	
Sweepers / Janitors	21	22,000	5,427,699	
Sewer men	3	22,000	792,000	
Supervisors	3	26,000	936,000	
Cost of Supply per Month		400,000	4,800,000	
<b>Sub Total (Salary component)</b>			<b>11,955,699</b>	

11.956

## Security and Parking

		Original			From 1st Revised to onward
<b>Assumptions</b>					<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY"</b>.</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residences	27,098				
Covered Area per guard	15,000				
Number of guards	2				
Open area excluding parking area	54,517				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	4				
Number of gates	3				
Number of guards at gates	6				
Total No of Guard	11				
Total number of all guards for second shift	6				
Lady Searcher	2				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary per Month for all Person</b>	<b>Salary for One year</b>	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	6	21,525	129,150	1,549,800	
Civilian	9	21,000	189,000	2,268,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
<b>Sub total</b>				<b>5,443,200</b>	
<b>Equipment cost</b>					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
<b>Sub total</b>				<b>400,000</b>	
<b>Subtracting Parking Fees</b>				500,000	
<b>Total Security and Parking Services</b>				<b>5,343,200</b>	
				<b>5.343</b>	

## Laundry Services

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

## Maintenance of Generator

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

## MEP

	Original				From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:  <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY"</b>.            In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
<b>Total (Salary component)</b>			<b>217,000</b>	<b>2,604,000</b>	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	25	6,665	166,625	166,625	
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	
<b>Sub Total</b>				<b>807,625</b>	
<b>General Total</b>				<b>3,411,625</b>	
				<b>3.412</b>	

## Medical Gases

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

1.304

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

6.743



LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.
1	<b>SOFT LANDSCAPE</b>				
1.1	<b>TOP SOIL</b>				
	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	11,330	22	249,260
1.2	<b>STONE / PEBBLES</b>				
	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	<b>GRASSING</b>				
a	<b>GRASSING (EXISTING NON MAINTANE LAWNS)</b>				
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	15,538	7	108,766
b	<b>GRASSING (NEW LAWNS)</b>				
	Providing and dibbing of Fine Dacca grass, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	19,423	11.25	218,509
1.4	<b>TREE / SHRUBS (SPREADING)</b>				
	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 conforming 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	79	1,500	118,500
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Ficus Black, Ficus Starlight, Melaluca, Mimuspops, Pine, Ficus Amestral, Pilken, Palms etc.	No's	18	270	4,860
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	10	600	6,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Tabernaemontana Variegated etc.	No's	7,063	69	487,347
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestrophia Thai etc	No's	1,110	195	216,450
1.6	<b>GROUND COVERS</b>				
	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 conforming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.				
	Ground Cover Plastic Bag Plants Alternat Hera, Dianella, Iresine (Red), Hemercolis(Daylily), Duranta etc	No's	7,543	12	90,516
1.7	<b>PALMS</b>				
	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	9	3,675	33,075
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	12	1,800	21,600
1.8	<b>CREEPERS</b>				
	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 conforming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.				
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombav Creeper etc.	No's	38	195	7,410
2	<b>HARD LANDSCAPE</b>				
2.1	<b>WALK WAYS</b>				
a	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per	Sft	1554	150	233,100

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:  
**"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".**  
 In view of above, Outsourcing cost has been excluded from this PC-I whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
	approved design fixing on 4" brick ballast compacted and grouting with sand.				
2.2	<b>BENCHES</b>				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	14,698	102,886
2.3	<b>DUSTBINS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	5	27,700	138,500
2.4	<b>PLAYING EQUIPMENTS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939
2.5	<b>PLANTERS</b>				
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	3,850	26,950
2.6	<b>WATER POINTS (Injector Pump 1HP)</b>	No's	1	45,000	45,000
3	<b>SOFT LANDSCAPE MAINTENANCE</b> (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	38,846	9.00	349,614
4	<b>CONSTRUCTION OF PLANTERS</b>				
	<b>Large Size</b>				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	151	550	83,050
	<b>Medium Size</b>				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	20	550	11,000
	<b>Small Size</b>				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	36	550	19,800
	<b>GAZEBO</b>				
5	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
	<b>Total Amount of - Landscaping</b>				<b>3,351,507</b>
	<b>PRA(16%)</b>				536,241
	<b>Design Consultancy</b>				100,000
	<b>TPV (3%)</b>				100,545
	<b>Grand Total</b>				<b>4,088,293</b>
					<b>4.088</b>

Abstract of Cost															
Revamping of THQ Hospital Thal (Nawaz Sharif Hospital)															
Scope of work	Cost in million														
	Original			1st Revised			2nd Revised			Amended 2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>															
Internal Development	0.000	8.120	8.120	0.000	8.120	8.120	43.222	3.000	46.222	55.251	3.000	58.251	55.251	3.000	58.251
External Development	0.000	1.884	1.884	0.000	1.884	1.884	4.442	0.000	4.442	2.933	0.000	2.933	2.933	0.000	2.933
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	1.793	0.000	1.793	2.988	0.000	2.988	2.988	0.000	2.988
<b>Total Capital Component</b>	<b>0.000</b>	<b>15.604</b>	<b>15.604</b>	<b>0.000</b>	<b>15.604</b>	<b>15.604</b>	<b>49.457</b>	<b>3.000</b>	<b>52.457</b>	<b>61.172</b>	<b>3.000</b>	<b>64.172</b>	<b>61.172</b>	<b>3.000</b>	<b>64.172</b>
Emergency	0.000	26.815	26.815	0.000	26.815	26.815	0.000	37.617	37.617	0.000	37.617	37.617	0.000	62.498	62.498
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	51.349	51.349	0.000	51.349	51.349	0.000	68.303	68.303	0.000	68.303	68.303	0.000	104.810	104.810
Electricity	0.000	16.453	16.453	0.000	16.453	16.453	0.000	17.053	17.053	0.000	17.053	17.053	0.000	23.553	23.553
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.124	3.124	0.000	3.124	3.124	0.000	4.271	4.271	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	41.820	41.820	0.000	41.820	41.820	0.000	60.327	60.327
LC Deficit during procurement (currency fluctuation)								3.114	3.114		3.114	3.114		3.114	3.114
<b>Total Revenue component</b>	<b>0.000</b>	<b>153.226</b>	<b>153.226</b>	<b>0.000</b>	<b>153.226</b>	<b>153.226</b>	<b>0.000</b>	<b>213.651</b>	<b>213.651</b>	<b>0.000</b>	<b>213.651</b>	<b>213.651</b>	<b>0.000</b>	<b>312.520</b>	<b>312.520</b>
<b>Outsourcing component</b>															
Janitorial Services	0.000	11.956	11.956	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.343	5.343	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.920	1.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.412	3.412	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	4.088	4.088	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
<b>Total outsourcing cost</b>	<b>0.000</b>	<b>37.166</b>	<b>37.166</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>
<b>Total</b>	<b>0.000</b>	<b>205.996</b>	<b>205.996</b>	<b>0.000</b>	<b>168.878</b>	<b>168.878</b>	<b>49.457</b>	<b>216.699</b>	<b>266.156</b>	<b>61.172</b>	<b>216.699</b>	<b>277.871</b>	<b>61.172</b>	<b>315.568</b>	<b>376.740</b>
<b>Contingency (1%) only on Civil Component</b>	0.000	0.156	0.156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third Party Monitoring (TPM) (1%)</b>	0.000	2.060	2.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third Party Validation (TPV) (1%)</b>	0.000	2.060	2.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Grand Total</b>	<b>0.000</b>	<b>210.273</b>	<b>210.273</b>	<b>0.000</b>	<b>168.878</b>	<b>168.878</b>	<b>49.457</b>	<b>216.699</b>	<b>266.156</b>	<b>61.172</b>	<b>216.699</b>	<b>277.871</b>	<b>61.172</b>	<b>315.568</b>	<b>376.740</b>

Emergency Equipment															
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity (T=8+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=8+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=8+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=8+S=0+E=12)	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	8	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	8	15,750	126,000	8	15,750	126,000	8	30,000	240,000	8	30,000	240,000
7		Gurney WITH FOOT STEP)*(N)	3	8	420,000	3,360,000	8	420,000	3,360,000	8	460,000	3,680,000	8	800,000	6,400,000
8		Mercury B.P apparatus*(N)	2	6	33,600	201,600	6	33,600	201,600	6	36,000	216,000	6	36,000	216,000
9		Laryngoscope paed's & adult each*(N)	2	6	10,500	63,000	6	10,500	63,000	6	12,000	72,000	6	20,000	120,000
10		Diagnostic set*(N)	1	3	45,150	135,450	3	45,150	135,450	3	50,000	150,000	3	85,000	255,000
11		ECG Machine (with trolley) *(N)	1	3	169,785	509,355	3	169,785	509,355	3	180,000	540,000	3	300,000	900,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	6	125,265	751,590	6	125,265	751,590	6	215,000	1,290,000	6	300,000	1,800,000
14		SUCKER MACHINE*(N)	1	3	259,350	778,050	3	259,350	778,050	3	275,000	825,000	3	300,000	900,000
15		Resuscitation Trolley (fully equipped) *(N)	1	3	244,733	734,199	3	244,733	734,199	3	400,000	1,200,000	3	600,000	1,800,000
16		INSTRUMENT CABINET*N	1	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900
17	Minor O.T	MEDICINE TROLLY*N	1	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700
18		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	Constant / specialized care room	Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28		GURNEYS*N	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	12	210,000	2,520,000	12	210,000	2,520,000	12	400,000	4,800,000	12	600,000	7,200,000
41	12	ECG machine(with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	169,785	339,570	2	300,000	600,000
42		Pulse- oximeter *(N)	6	11	104,000	1,144,000	11	104,000	1,144,000	11	160,000	1,760,000	11	225,000	2,475,000
43		Bedside-monitor*(N)	3	6	301,665	1,809,990	6	301,665	1,809,990	6	550,000	3,300,000	6	1,200,000	7,200,000
44		B.P apparatus wall type *(N)	6	11	26,250	288,750	11	26,250	288,750	11	30,000	330,000	11	30,000	330,000

Emergency Equipment															
			Original				1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
45	Emergency ward	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
46		Resuscitation Trolley (fully equipped) \*(N)	1	2	237,618	475,236	2	237,618	475,236	2	400,000	800,000	2	600,000	1,200,000
47		Defibrillator*N	1	2	299,153	598,307	2	299,153	598,307	2	650,000	1,300,000	2	800,000	1,600,000
48		Sucker machine *(N)	2	4	259,350	1,037,400	4	259,350	1,037,400	4	275,000	1,100,000	4	300,000	1,200,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paedts with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		<b>Total</b>				<b>26,814,925</b>			<b>26,814,925</b>			<b>37,617,220</b>			<b>62,498,400</b>
						26.815			26.815			37.617			62.498

## MSDS

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

## MSDS

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEM DESCRIPTION	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)
49	Identification Bands	100	3	315	100	3	315	100	3	300	100	3	300
50	Wet Flooring Signages	0	431	-	0	431	-	0	550	-	0	750	-
51	Key Box	6	8,190	49,140	6	8,190	49,140	6	10,000	60,000	6	10,000	60,000
52	Dehumidifier	0	58,800	-	0	58,800	-	0	70,000	-	0	100,000	-
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400	4	1,500	6,000
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	0	630,000	-	0	630,000	-	0	630,000	-	0	630,000	-
57	Automatic shoe cover machine	2	296,100	592,200	2	296,100	592,200	2	332,500	665,000	2	332,500	665,000
58	Vein Finder	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000
59	Blood Sample Vials (BOXES)	3	13	38	3	13	38	3	15	45	3	15	45
60	Bassinets	5	21,000	105,000	5	21,000	105,000	5	22,000	110,000	5	22,000	110,000
61	Chemical Spill Cleanup kit	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000
62	Digital Temperature Humidity Guage	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000
63	Bio Cleaning and Disinfection System	1	650,000	650,000	1	650,000	650,000	1	650,000	650,000	1	2,200,000	2,200,000
	<b>Total</b>			<b>8,647,094</b>			<b>8,647,094</b>			<b>9,653,822</b>			<b>13,437,942</b>
				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	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	550,000	-
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	1	0	2,744,858	-	1	0	2,744,858	-	1	0	3,200,000	-	1	0	1,400,000	-
5		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
6		Water Bath	1	1	0	60,000	-	1	0	60,000	-	1	0	157,500	-	1	0	325,000	-
7		Hot air Oven	1	1	0	210,000	-	1	0	210,000	-	1	0	385,000	-	1	0	450,000	-
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,500	405,000	0	10	45,000	450,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11	X-Rays	Centrifuge Machine	2	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	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	6,000,000	6,000,000	0	1	12,000,000	12,000,000
13		Mobile X-Ray Machine	0	1	0	3,850,524	-	1	0	3,850,524	-	1	0	4,300,000	-	1	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		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	2	0	52,500	-	2	0	52,500	-	2	0	60,000	-	2	0	85,000	-
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20		Ultrasound	Portable/Mobile Ultrasound	0	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	CCU	Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25		ECG Machine Three Channel	2	2	0	169,785	-	2	0	169,785	-	2	0	169,785	-	2	0	300,000	-
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	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	1	300,000	300,000
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	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	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	Nursery	Baby Cot	10	1	9	14,669	132,017	1	9	14,669	132,017	1	9	16,000	144,000	1	9	16,000	144,000
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	850,000	1,700,000
36		Infant Warmer	2	1	1	335,638	335,638	1	1	335,638	335,638	1	1	985,000	985,000	1	1	1,050,000	1,050,000
37		Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	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	1	0	259,350	-	1	0	259,350	-	1	0	275,000	-	1	0	300,000	-
40		Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42	O.T (04)	BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
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	2	0	1,426,215	-	2	0	1,426,215	-	2	0	2,000,000	-	2	0	2,500,000	-
46		Ceiling Operating Light	1	2	0	413,013	-	2	0	413,013	-	2	0	800,000	-	2	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	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	1	300,000	300,000
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
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	900,000	-
52	Orthopedic	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		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	1	0	432,623	-	1	0	432,623	-	1	0	550,000	-	1	0	550,000	-



Medical Equipment																				
			Original					1st Revised				2nd Revised				3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	
57	Gynea (20 beds)	Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	2,400,000	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	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,000	320,000	2	8	65,000	520,000	
60		Delivery Table	2	4	0	47,250	-	4	0	47,250	-	4	0	47,250	-	4	0	55,000	-	
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000	
62		D & C Set	2	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		Vacume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000	
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-	
65		ECG Machine Three Channel	1	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	Surgical Emergency (10 beds)	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 trolley	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	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	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-	
72		MOBILE OPERATING LIGHT	0	1	0	285,466	-	1	0	285,466	-	1	0	400,000	-	1	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	3	0	9,744	-	3	0	9,744	-	3	0	12,000	-	3	0	20,000	-	
75		Set of Surgical Instruments	0	3	0	141,750	-	3	0	141,750	-	3	0	160,000	-	3	0	220,000	-	
76		Others	Stretcher	10	8	2	68,250	136,500	8	2	68,250	136,500	8	2	69,300	138,600	8	2	69,300	138,600
77	wheel chair		10	10	0	31,500	-	10	0	31,500	-	10	0	35,000	-	10	0	35,000	-	
78	foot support		6	2	4	4,200	16,800	2	4	4,200	16,800	2	4	4,500	18,000	2	4	5,148	20,592	
79	Resuscitation trolley With Crash Cart		5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000	
80	BP Appratus		15	30	0	15,750	-	30	0	15,750	-	30	0	16,000	-	30	0	16,000	-	
81	Ventilator		0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-	
82	CPAP		1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000	
83	X-RAY PROCESSOR		1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	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 Intensifier		0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	12,000,000	-	
86	ICU	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 trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000	
90		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000	
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-	
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	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		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	MORTUARY	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 TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250	
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000	
102		Ambu-Bag, paedrs	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000	
103		TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	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	

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
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114	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					51,349,012				51,349,012				68,302,850				104,810,442
							51.349				51.349				68.303				104.810

### Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	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)	30	55,500	1,665,000	30	55,500	1,665,000	30	55,500	1,665,000	30	55,500	1,665,000
7	2 Ton air conditioners (Cabinet)	10	78,000	780,000	10	78,000	780,000	10	78,000	780,000	10	78,000	780,000
8	4 Ton air conditioners (Cabinet)	30	120,000	3,600,000	30	120,000	3,600,000	30	120,000	3,600,000	30	120,000	3,600,000
9	Ceiling Fans 56"	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
Total				16,453,140			16,453,140			17,053,140			23,553,140
				16,453			16,453			17,053			23,553

## 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	Tab	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
	<b>Total</b>			<b>14,515,000</b>			<b>14,515,000</b>			<b>16,715,000</b>			<b>20,120,000</b>
				<b>14.515</b>			<b>14.515</b>			<b>16.715</b>			<b>20.120</b>

## Furniture and Fixtures

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	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
	<b>Machinery and Equipment's</b>												
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
	<b>Laundry &amp; Washing</b>												
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
	<b>Medicine Store</b>												
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
	<b>Total</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>18,787,500</b>
				<b>13.504</b>			<b>13.504</b>			<b>13.504</b>			<b>18.788</b>

## Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		<b>External Sign Boards</b>												
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
		<b>Internal Signage</b>	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
		<b>Total</b>			<b>3,032,714</b>			<b>3,032,714</b>			<b>4,146,482</b>			<b>4,146,482</b>
		Designing and Site Supervision			90,981			90,981			124,394			124,394
		<b>Grand Total</b>			<b>3,123,695</b>			<b>3,123,695</b>			<b>4,270,877</b>			<b>4,270,877</b>
					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



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
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	<b>TOTAL</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>
				1.600			1.600			1.600			1.600

### Human Resource Model of THQ Hospital

Sr. No.	NAME OF POST	Original				1st Revised				2nd Revised				3rd Revised				
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17,220				17,220				28,140					40,473
	Utilization of HR Component								13,680				19,85					
	Total of HR Component												41.82					60,327

## Janitorial Services

		<b>Original</b>		<b>From 1st Revised to onward</b>
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	27,098	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	4	Persons		
Road and ROW area	54,517	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	4	Persons		
Number of washroom blocks	8	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	3	Persons		
Total sweeper in morning shift	10	Persons		
Total number of sweepers in evening shift	5	Persons		
Total number of sweepers in night shift	5	Persons		
Total number of sweepers in all shifts	21	Persons		
Number of sewer men required	3	Persons		
Number of supervisors	3	Persons		
<b>Salary component</b>				
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary for One Year</b>	
Sweepers / Janitors	21	22,000	5,427,699	
Sewer men	3	22,000	792,000	
Supervisors	3	26,000	936,000	
Cost of Supply per Month		400,000	4,800,000	
<b>Sub Total (Salary component)</b>			<b>11,955,699</b>	

11.956

## Security and Parking

		Original			From 1st Revised to onward
<b>Assumptions</b>					<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY"</b>.</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residences	27,098				
Covered Area per guard	15,000				
Number of guards	2				
Open area excluding parking area	54,517				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	4				
Number of gates	3				
Number of guards at gates	6				
Total No of Guard	11				
Total number of all guards for second shift	6				
Lady Searcher	2				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary per Month for all Person</b>	<b>Salary for One year</b>	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	6	21,525	129,150	1,549,800	
Civilian	9	21,000	189,000	2,268,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
<b>Sub total</b>				<b>5,443,200</b>	
<b>Equipment cost</b>					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
<b>Sub total</b>				<b>400,000</b>	
<b>Subtracting Parking Fees</b>				500,000	
<b>Total Security and Parking Services</b>				<b>5,343,200</b>	
				<b>5.343</b>	

## Laundry Services

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

## Maintenance of Generator

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

## MEP

	Original				From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:  <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY"</b>.  In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
<b>Total (Salary component)</b>			<b>217,000</b>	<b>2,604,000</b>	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	25	6,665	166,625	166,625	
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	
<b>Sub Total</b>				<b>807,625</b>	
<b>General Total</b>				<b>3,411,625</b>	
				<b>3.412</b>	

## Medical Gases

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

1.304



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

6.743

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.
1	<b>SOFT LANDSCAPE</b>				
1.1	<b>TOP SOIL</b>				
	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	11,330	22	249,260
1.2	<b>STONE / PEBBLES</b>				
	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	<b>GRASSING</b>				
a	<b>GRASSING (EXISTING NON MAINTANE LAWNS)</b>				
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	15,538	7	108,766
b	<b>GRASSING (NEW LAWNS)</b>				
	Providing and dibbing of Fine Dacca grass, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	19,423	11.25	218,509
1.4	<b>TREE / SHRUBS (SPREADING)</b>				
	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 conforming 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	79	1,500	118,500
b	Trees 12" pot 3'-4" - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Ficus Black, Ficus Starlight, Melaluca, Mimuspops, Pine, Ficus Amestral, Pilken, Palms etc.	No's	18	270	4,860
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	10	600	6,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Tabernaemontana Variegated etc.	No's	7,063	69	487,347
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestrophia Thai etc	No's	1,110	195	216,450
1.6	<b>GROUND COVERS</b>				
	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 conforming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.				
	Ground Cover Plastic Bag Plants Alternat Hera, Dianella, Iresine (Red), Hemercolis(Daylily), Duranta etc	No's	7,543	12	90,516
1.7	<b>PALMS</b>				
	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	9	3,675	33,075
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	12	1,800	21,600
1.8	<b>CREEPERS</b>				
	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 conforming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.				
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombav Creeper etc.	No's	38	195	7,410
2	<b>HARD LANDSCAPE</b>				
2.1	<b>WALK WAYS</b>				
a	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mm per	Sft	1554	150	233,100

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:  
**"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".**  
 In view of above, Outsourcing cost has been excluded from this PC-I whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
	approved design fixing on 4" brick ballast compacted and grouting with sand.				
2.2	<b>BENCHES</b>				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	14,698	102,886
2.3	<b>DUSTBINS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	5	27,700	138,500
2.4	<b>PLAYING EQUIPMENTS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939
2.5	<b>PLANTERS</b>				
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	3,850	26,950
2.6	<b>WATER POINTS (Injector Pump 1HP)</b>	No's	1	45,000	45,000
3	<b>SOFT LANDSCAPE MAINTENANCE</b> (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	38,846	9.00	349,614
4	<b>CONSTRUCTION OF PLANTERS</b>				
	<b>Large Size</b>				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	151	550	83,050
	<b>Medium Size</b>				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	20	550	11,000
	<b>Small Size</b>				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	36	550	19,800
	<b>GAZEEBO</b>				
5	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
	<b>Total Amount of - Landscaping</b>				<b>3,351,507</b>
	<b>PRA(16%)</b>				536,241
	<b>Design Consultancy</b>				100,000
	<b>TPV (3%)</b>				100,545
	<b>Grand Total</b>				<b>4,088,293</b>
					<b>4.088</b>

7110 (100) (1)

**GOVERNMENT OF THE PUNJAB**



**BUILDINGS DIVISION LAYYAH**

**ROUGH COST ESTIMATE ON DETAILED  
BASIS FOR THE WORK REVAMPING OF  
THQ THAL (MIAN NAWAZ SHAREEF)  
HOSPITAL TEHSIL & DISTRICT LAYYAH**

**Estimate Cost Rs: 49.457(M)**

**BUILDINGS SUB DIVISION LAYYAH**



Primary & Secondary  
Healthcare Department

PH: 0606-920055

OFFICE OF THE CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY LAYYAH

No.ADP/ 121 /CEO DHA,

Dated 18/03/2021.

To,

The Director Infrastructure,  
Project Management Unit,  
P&SHC Department Lahore.

Subject: - **COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITALS.**

With reference to your office letter No.PMU(P&SHD)/2020/729, Dated 25.11.2020 on the subject noted above.

It is submitted that copy of cost estimate on the basis of MRS 1<sup>st</sup> Bi-annual 2021 (1<sup>st</sup> Jan 2021 to 30<sup>th</sup> June 2021) of following THQ Hospitals (clinical building only) of DHA Layyah duly prepared by Building Department is sent herewith for information and further necessary action please.

The detail is under:

Sr.No.	NAME OF FACILITY	AMOUNT
1	THQ Level Hospital Karor	49.458 (M)
2	THQ Hospital Choubara	49.855 (M)
3	THQ Thal MNS Hospital Layyah	49.457 (M)
4	THQ Level Hospital Chowk Azam	49.990 (M)
5	THQ Level Hospital Kot Sultan	49.984 (M)
6	THQ Level Hospital Fateh Pur.	49.649 (M)

*Amir Abdullah*  
Chief Executive Officer  
District Health Authority Layyah

CC.

The Additional Secretary (D&F) P&SHC Department Lahore.  
The Project Director PMU P&SHC Department Lahore.  
The Superintending Engineer, Building Circle D.G.Khan.  
The Executive Engineer Building Division Layyah.

*30-Viz Please file it*  
*Ganz*  
*29/04/21*

PROVINCE	PUNJAB
STATION	DISTRICT LAYYAH
DIVISION	BUILDINGS DIVISION LAYYAH.
SUB DIVISION	BUILDINGS SUB DIVISION LAYYAH
NAME OF WORK	<u>ROUGH COST ESTIMATE ON DETAILE</u> <u>BASIS FOR THE WORK REVENPING OF</u> <u>THQ THAL (MIAN NAWAZ SHAREEF)</u> <u>HOSPITAL TEHSIL &amp; DISTRICT</u> <u>LAYYAH</u>
MAJOR HEAD	
MINOR HEAD	
ESTIMATED COST	Rs: 49.457(M)



**ROUGH COST ESTIMATE ON DETAIL BASIS FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS DIVISION LAYYAH FOR THE WORK " REVENPMING OF THQ THAL (MIAN NAWAZ SHAREEF) HOSPITAL TEHSIL & DISTRICT LAYYAH.**

Reference:- Chief Engineer South Zone Punjab Buildings Lahore office letter  
No. 276-Dev/3118-33 dated 08.12.2020

**HISTORY:-**

The client department has requested to prepared Rough cost estimate. So the rough cost estimate amounting to Rs. 49.457(M) for arranging Administrative Approval & release of funds from the Competent Authority.

**SCOPE OF WORK**

1	Revamping of Emergency Block	1	No	Job
2	Emergency/Fire Alarm System in Emergency Block	1	No	Job
3	Revamping of OPD Block	1	No	Job
4	Revamping of 40 Bedded Ward Ground Floor.	1	No	Job
5	Revamping of 40 Bedded Ward First Floor.	1	No	Job
6	Emergency/Fire Alarm System in OPD & 40 Bedded Ward (Ground Floor & First Floor)	1	No	Job
7	Construction of Nursing Counter	4	No	Job
8	Construction of Room for Purification Plant (16.50x15')	297	Sft	P.Sft
9	Cost of RO water Filtration Plant with Hygienic Ultra Filtration 4000 LPH.	1	No	Each
10	Cost of Chiller.	1	No	Each
11	Provision of Approach Road	1	Job	Each
12	Provision of Parking Area	1	Job	Each
13	Provision of Link Passage	1	Job	Each
14	Construction of Waiting Shed	1	No	Job
15	Construction of Car Parking Shed	1	No	Job
	External Development	1	No	Job

**EXECUTION:**

The work will be got executed in accordance with the Provincial 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 specifications with latest edition through the approved contractors of P.W.D after calling tenders on competitive grounds.

**RATE.**

The estimate is based on latest approved plinth area rates notified by the Chief Engineer Punjab Works Department Lahore for the period 1st BI-ANNUAL 2021 PERIOD (1st January, 2021 TO 30<sup>th</sup> June, 2021) and as per nonscheduled rates prepared on analysis basis according to prevailing market rates.

**LAND**

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


COST.

The total cost of the scheme comes to Rs. 49.457 (M).

TIME.

Scheme will be complete about 18 months & subject to release of full funds from the date of actual commencement of the work.

  
Sub Divisional Officer  
Buildings sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah



The Chief Engineer, South Zone,  
Punjab Buildings Department, Lahore.

The Superintending Engineers:-

- 1 Buildings Circle, Multan.
- 2 Buildings Circle, Bahawalpur.
- 3 Buildings Circle, D.G. Khan.

The Executive Engineers:-

- 1 Buildings Division No.1, Multan.
- 2 Buildings Division No.2, Multan.
- 3 Buildings Division, Khanewal.
- 4 Buildings Division, Lodhran.
- 5 Buildings Division, Vehari.
- 6 Buildings Division No.1, Bahawalpur.
- 7 Buildings Division No.2, Bahawalpur.
- 8 Buildings Division, Bahawalnagar.
- 9 Buildings Division, R.Y. Khan.
- 10 Buildings Division, D.G. Khan.
- 11 Buildings Division, Rajanpur.
- 12 Buildings Division, Muzaffargarh.
- 13 Buildings Division, Layyah.

Memo.No. 276-Dev/3118-33

Subject:- **COST ESTIMATES FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS.**

Please find enclosed herewith a copy of letter No.PMU/(P&SHD)2020-725, dated 25.11.2020, alongwith its enclosures received from the Director Infrastructure, Project Management Unit, P&S Health Care Department, Lahore for information and further necessary action.

In this connection, I am directed to request you to do the needful at the earliest in consultation with Client Department.

This may be assigned as Top Priority.

**DESIGN OFFICER**  
for Chief Engineer, South Zone,  
Punjab Buildings Deptt. Lahore

D.A/As above.

Endst. No.

A copy is forwarded to:-

1. The Director Infrastructure, Project Management Unit P&S Health Care Department, 31-E/1, Shahrah-e-Hazrat Imam Hussain Gujranj, for information with reference to his letter quoted above.
2. The Secretary, Primary and Secondary Health Care Department, Lahore.
3. The Additional Secretary (D&F), P&SH Department Punjab, Lahore.
4. Chief Executive Officers, District Health Authority i) Bahawalpur ii) Bahawalnagar, iii) D.G. Khan, iv) Khanewal, v) Layyah, vi) Lodhran vii) Multan, viii) Muzaffargarh, ix) R.Y. Khan, x) Rajanpur, and xi) Vehari.

D.A/Nil.

D/Dev Current

**DESIGN OFFICER**  
for Chief Engineer, South Zone,  
Punjab Buildings Deptt. Lahore



PROJECT MANAGEMENT UNIT  
P&S HEALTHCARE DEPARTMENT  
(31-E/1, Shahrah-e-Hazrat Imam Hussain  
Gulberg-III, Lahore, Ph: 042-99231208)  
Dated the Lahore November 25, 2020

To

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

SUBJECT: COST ESTIMATES FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS

Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 28 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospitals have been divided in to two Phases of Revamping Program i.e. Phase - I (25 DHQ and 15 THQ Hospitals Annexure - A) and Phase - II (Remaining Hospitals Annexure - B). P&SHD has carried out the civil works under revamping program in Phase - I hospitals through Infrastructure Development Authority Punjab (IDAP). The scope of work of the revamping civil works was i) Internal Development ii) External Development and iii) External Electrification. As of now around 60% of work on these schemes has been completed by IDAP. No reasonable revamping civil works has been carried out in Phase - II Hospitals up to now.

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

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

THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.
THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.	THQ Hospital M. F.

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

(Farran Waheed)  
Director Infrastructure  
PMU, P&SHD

A copy is forwarded for information to the:

1. Secretary, Primary and Secondary Healthcare Department Punjab
2. Additional Secretary (D & F), P&SH Department Punjab
3. Chief Executive Officers, District Health Authority i) Bahawalpur ii) Bahawalnagar iii) DG Khan iv) Khanewal v) Layyah vi) Lodhran vii) Multan viii) Muzaffargarh ix) Rahim Yar Kahan x) Rajenour and xi) Vehari with the request to coordinate with the concerned field formations of Punjab Buildings Department in their respective Districts so that the process can be expedited.

*Direct the concerned XEROX do needed at the earliest in consultation with client*  
Habit

*2/10*

*Don't let it be a problem for signature*

*1/12*



	FACILITY NAME	District	Zone
1	DHQ Hospital Hafizabad	Hafizabad	North
2	DHQ Hospital M.B. Din	M.B. Din	North
3	DHQ Hospital Attock	Attock	North
4	THQ Hospital Hazro	Attock	North
5	DHQ Hospital Mianwali	Mianwali	North
6	THQ HOSPITAL ISA KHEL	Mianwali	North
7	DHQ Hospital Narowal	Narowal	North
8	CIVIL HOSPITAL DASKA	Narowal	North
9	THQ Hospital Kamoke	Sialkot	North
10	DHQ Hospital Chakwal	Gujranwala	North
11	DHQ Hospital Khushab	Chakwal	North
12	DHQ Hospital Jehlum	Khushab	North
13	THQ HOSPITAL NOOR PUR THAL	Jehlum	North
14	DHQ Hospital Bhakhar	Khushab	North
15	DHQ Hospital TT Singh	Bhakhar	North
16	GOVT.EYE-CUM-GENERAL HOSPITAL GOJRA	TT Singh	Center
17	DHQ Hospital Pakpattan	T.T. Singh	Center
18	THQ HOSPITAL, ARIFWALA ARIFWALA	Pakpattan	Center
19	DHQ Hospital Okara	Pakpattan	Center
20	DHQ Hospital Okara South City	Okara	Center
21	DHQ Hospital Chiniot	Okara South City	Center
22	DHQ Hospital Jhang	Chiniot	Center
23	DHQ Hospital Kasur	Jhang	Center
24	THQ. HOSPITAL CHUNIAN	Kasur	Center
25	DHQ Hospital Nankana	Kasur	Centre
26	THQ HOSPITAL CHICHAWATNI	Nankana	Center
27	DHQ Hospital Sheikupura	Sahiwal	Center
28	DHQ Hospital Muzaffargarh	Sheikupura	Center
29	THQ HOSPITAL TAUNSA	Muzaffargarh	South
30	THQ Hospital Kot Adu	DG Khan	South
31	DHQ Hospital Vehari	Muzaffargarh	South
32	DHQ Hospital Khanewal	Vehari	South
33	THQ HOSPITAL MIAN CHANNU	Khanewal	South
34	DHQ Hospital Bahwalnagar	Khanewal	South
35	THQ HOSPITAL, CHISHTIAN,	Bahwalnagar	South
36	DHQ Hospital Lodhran	Bahawalnagar	South
37	THQ HOSPITAL, AHMADPUR EAST,	Lodhran	South
38	THQ BUREWALA	Bahawalpur	South
39	DHQ Hospital Layyah	Vehari	South
40	GOVT.THQ HOSPITAL SHUJABAD	Layyah	South
41	DHQ Hospital Rajanpur	Multan	South
42		Rajanpur	South

	FACILITY NAME	District	Zone
1	City Hospital Jhang	Jhang	Center
2	THQ Level Hospital Lal Quarter Samanabad Lahore	Lahore	Center
3	THQ Hospital Manawan Lahore Cantt	Lahore	Center
4	THQ Hospitals Sabzazar Lahore City	Lahore	Center
5	THQ Level Hospital Kot Radha Kishan Kasur	Lahore	Center
6	Government General Hospital 224/RB Faisalabad City	Faisalabad	Center
7	THQ Hospiat Kahna Nu Raiwand Lahore	Kasur	Center
8	THQ Level Hospitals Ghaziabad Lahore Cannt	Lahore	Center
9	THQ HOSPITAL SUMUNDRI	Faisalabad	Centre
10	THQ Hospital Shorkot	Jhang	Centre
11	THQ HOSPITAL MURIDKE	Sheikhupura	Centre
12	THQ HOSPITAL DEPALPUR	Okara	Centre
13	THQ HOSPITAL JARANWALA	Faisalabad	Centre
14	THQ HOSPITAL KAMALIA	T.T. Singh	Centre
15	THQ HOSPITAL PATTOKI	Kasur	Centre
16	THQ HOSPITAL TANDILIANWALA	Faisalabad	Centre
17	THQ Ahmed pur Sial	Jhang	Centre
18	THQ Hospital Safdarabad	Sheikhupura	Centre
19	THQ Level HOSPITAL HAVELI LAKHA	Okara	Centre
20	THQ HOSPITAL CHAK JHUMRA	Faisalabad	Centre
21	THQ, HOSPITAL CHUNIAN	Kasur	Centre
22	Tehsil Head Quarter Hospital, Bhuwana, Chiniot	Chiniot	Centre
23	GMH Pathi Ground	Lahore	Centre
24	GMH Chohan Road (1)	Lahore	Centre
25	THQ SANGLA HILL	Nankana	Centre
26	THQ Hospital SharaqPur Sharif	Sheikhupura	Centre
27	THQ SHAHKOT	Nankana	Centre
28	THQ Mian Meer	Lahore	Centre
29	THQ Lalian	Chiniot	Centre
30	Tehsil Head Quarter Hospital, 18-Hazari, Jhang	Jhang	Centre
31	THQ Hospital Ferozewala	Sheikhupura	Centre
32	THQ HOSPITAL RENALA KHURD	Okara	Centre
33	Govt. Hospital Shahdra	Lahore	Centre
34	Govt. General Hospital Samanabad	Faisalabad	Centre
35	Govt. Model Town Hospital, Model Town, Lahore	Lahore	Centre
36	60 Bedded THQ Hospital, Lidher Bedian Road, Lahore Cantt, Lahore	Lahore	Centre
37	Govt. Aziz Bibi, Roshan Bheela Hospital	Kasur	Centre
38	Tensil Head Quarter Hospital, Raiwind, Lahore	Lahore	Centre
39	THQ Hospital Wazirabad	Gujranwala	North



Sr. #	FACILITY NAME	District	Zone
40	THQ HOSP: GUJAR KHAN	Rawalpindi	North
41	THQ HOSPITAL BHALWAL	Sargodha	North
42	THQ HOSPITAL KHARIAN	Gujrat	North
43	THQ Hospital Kalurkot, Kalurkot	Bhakkar	North
44	THQ Hospital Phalia	Mandibahauddin	North
45	THQ HOSPITAL PASRUR	Sialkot	North
46	THQ HOSPITAL TAXILA	Rawalpindi	North
47	THQ Shakargarh	Narowal	North
48	THQ TALAGANG	Chakwal	North
49	THQ Pindi Bhattian	Hafizabad	North
50	THQ Hospital Mankera, Mankera	Bhakkar	North
51	THQ Hospital Pindi Gheb	Attock	North
52	THQ HOSPITAL KHUSHAB KHUSHAB	Khushab	North
53	THQ HOSPITAL SHAHPUR	Sargodha	North
54	THQ Hospital Jand	Attock	North
55	THQ HOSP KAHUTA	Rawalpindi	North
56	THQ Hospital Noshehra Vikran	Gujranwala	North
57	THQ CHOA SAIDEN SHAH	Chakwal	North
58	THQ Hospital, Daryakhan	Bhakkar	North
59	THQ Hassan Abdal	Attock	North
60	THQ Hospital Fateh Jang	Attock	North
61	THQ Hospital Sohawa	Jhelum	North
62	THQ SILLANWALI	Sargodha	North
63	THQ BHERA	Sargodha	North
64	THQ Hospital Kallar Syedan	Rawalpindi	North
65	THQ Kotli Sattian	Rawalpindi	North
66	THQ HOSPITAL NAUSERA	Khushab	North
67	CIVIL HOSPITAL JALALPUR JATTAN	Gujrat	North
68	CIVIL HOSPITAL, KOTLA ARAB ALI KHAN	Gujrat	North
69	THQ HOSPITAL CHAK NO. 90/SB	Sargodha	North
70	Civil Hospital Dinga	Gujrat	North
71	THQ Hospital Malakwal	Mandibahauddin	North
72	THQ KOT MOMIN	Sargodha	North
73	THQ Hospital PD Khan	Jhelum	North
74	THQ HOSPITAL PIPLAN	Mianwali	North
75	THQ SAMBRIAL	Sialkot	North
76	THQ Major Shabbir Sharif Hospital, Kunjah, Gujrat	Gujrat	North
77	THQ HOSP: MURREE	Rawalpindi	North
78	THQ Hospital Sara-e-Alamgir	Gujrat	North
79	City Hospital Talagang	Chakwal	North
80	THQ, Kallar Kahar, Chakwal Trauma Center	Chakwal	North
81	THQ LEVEL HOSPITAL KALABAGH	Mianwali	North
82	THQ KOTLI LOHARAN	Sialkot	North

Sl. No.	FACILITY NAME	District	Zone
93	Tehsil level Civil Hospital, Lalamusa, Kharian, Gujrat	Gujrat	North
94	THQ HOSPITAL QAIDABAD	Khushab	North
95	THQ BHAGTANWALA	Sargodha	North
96	THQ SAHIWAL	Sargodha	North
97	THQ Level Hospital 46/SB Sargodha	Sargodha	North
98	THQ HOSPITAL, HAROON ABAD	Sargodha	North
99	THQ HOSPITAL JAMPUR	Bahawalnagar	South
100	THQ HOSPITAL, HASILPUR	Rajanpur	South
101	THQ HOSPITAL SADIQABAD	Bahawalpur	South
102	THQ Hospital Alipur	Rahim Yar Khan	South
103	THQ. MAILSI	Muzaffargarh	South
104	THQ HOSPITAL KHANPUR	Vehari	South
105	THQ YAZMAN	Rahim Yar Khan	South
106	THQ HOSPITAL KEHROR PACCA	Bahawalpur	South
107	THQ HOSPITAL, MINCHINABAD.	Lodhran	South
108	THQ HOSPITAL LIAQUATPUR	Bahawalnagar	South
109	THQ HOSPITAL CHOUBARA	Rahim Yar Khan	South
110	THQ HOSPITAL KABIR WALA	Layyah	South
111	THQ HOSPITAL, FORT ABBAS.	Khanewal	South
112	THQ HOSPITAL KAROR (Tehsil Karor)	Bahawalnagar	South
113	THQ Jatoi	Layyah	South
114	THQ Hospital, Jalaipur Pirwala	Muzaffargarh	South
115	THQ KHAIR PUR TAMEWALI	Multan	South
116	THQ HOSPITAL JAHANIAN	Bahawalpur	South
117	THQ HOSPITAL ROJHAN	Khanewal	South
118	THQ Level Hospital Kot Sultan	Rajanpur	South
119	GOVT. CIVIL HOSPITAL MULTAN (DHQ)	Layyah	South
120	THQ Hospital Dunya pur	Multan	South
121	THQ Level Hospital Chowk Azam	Lodhran	South
122	THQ Thal (Mian Nawaz Shareef) Hospital Layyah	Layyah	South
123	CIVIL HOSPITAL FORT MUNROO	Layyah	South
124	CIVIL HOSPITAL SAKHI SARWAR (Kot Chutta tehsil)	DG Khan	South
125	THQ HOSPITAL FATEH PUR (Karor Tehsil) with Trauma Center	DG Khan	South
126	Tehsil Head Quarter Hospital Kot Adu	Layyah	South
127	Civil Hospital Shah WALI	Muzaffargarh	South
128	Town Hospital, Mumtazabad	Rajanpur	South
129	Town Hospital, Rahimabad	Multan	South
		Multan	South



Provision of Automatic Transfer Switches (ATS) for all existing generators available, should be made.

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

#### **Emergency equipment and exit plan**

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

External emergency exit of hospital should be proposed where required

#### **Miscellaneous Repair Work of Building**

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

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

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

Structural Repair of building should be suggested, and rehabilitated accordingly

#### **Addition/Alteration in existing structures**

Based on the structural analysis/design, addition/replacement of beams, columns and walls should be assessed to fit in the following health facilities on the locations which are marked/proposed by hospital administration.

1. Emergency
2. ICU cum CCU
3. Dialysis Unit

The proposed layouts are shown below, next to this section.

Assessments regarding addition, alterations or modifications in existing structures based on assessment carried out in order to facilitate the patients and attendants. For example opening of corridor for ventilation purposes, construction of new ramp for ease of patient transfer etc. should be made

#### **For THQ Hospitals**

- (i) Establishment of Emergency in THQ Hospital
- (ii) Establishment of ICU cum CCU in THQ Hospital
- (iii) Establishment of Dialysis center in THQ Hospital



#### **Facade Improvement**

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

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

#### **Internal Fixtures**

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

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

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

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

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

The nursing counters should be provided covering all the wards

#### **Internal Electrification**

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

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

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

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

## Document for Scope of THQs Revamping

### A. External Development

#### Road Networking (Asphalt)

Rehabilitation and Repair of Existing Road Network

Construction of new asphalt road where required

#### External Plat forms/Pathways

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

#### Boundary Wall

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

#### Sewerage System

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

#### Water Supply System

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

Provision for new water supply lines where required.

#### Water Filtration plant with supply system

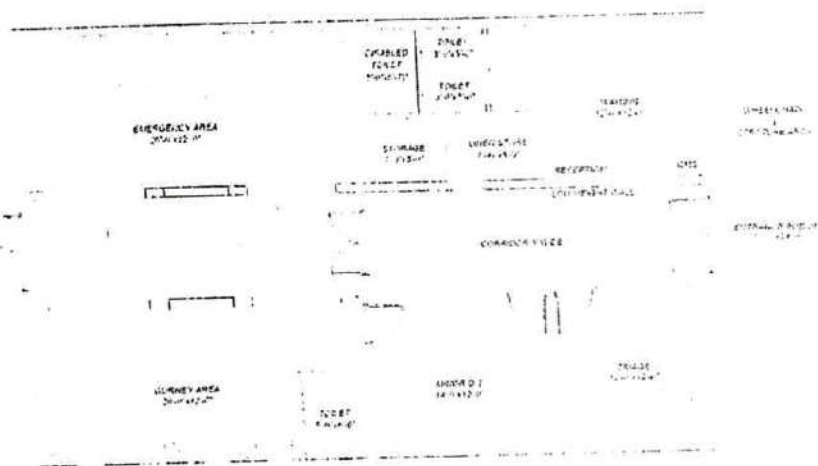
Provision for new water filtration plant vis-à-vis the hospital requirements may be incorporated. All important points including OPD, wards, waiting areas, emergency and other blocks must be provided with drinking water stations, for which the distribution system needs to be planned and made a part of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

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

#### External Electrification

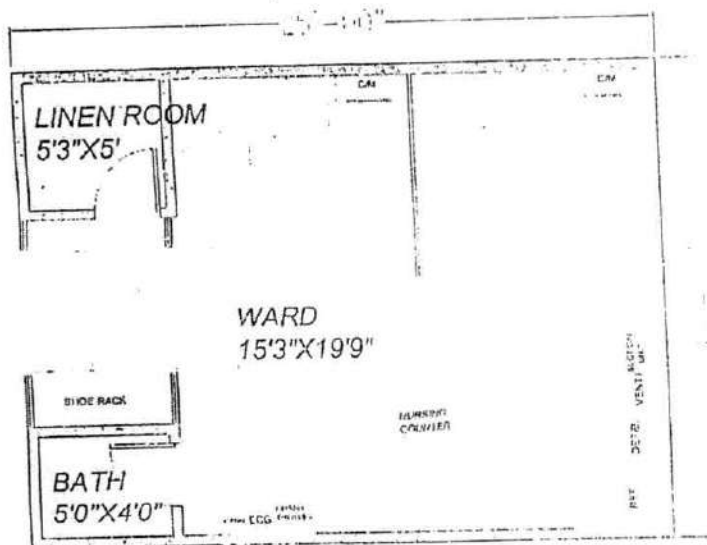
Provisions of main power supply cable (4 – Core), main power panels / distribution boxes (from transformer to main meter and main meter to distribution boxes) should

## Emergency



10 Bedded Emergency department for THQ hospital having covered area of 1800 ST

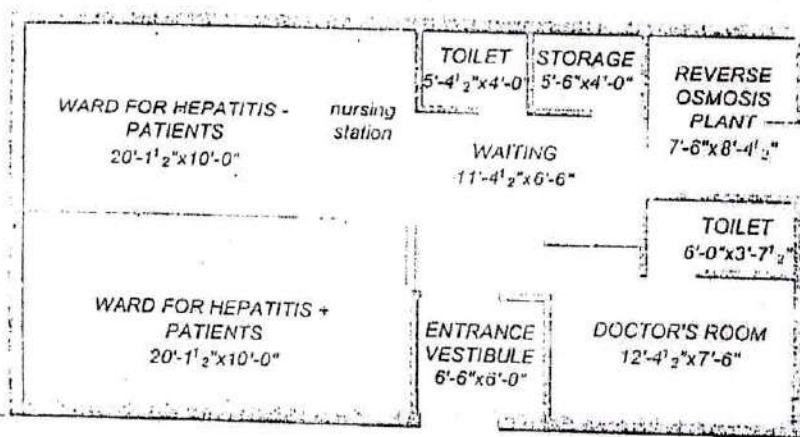
## ICU cum CCU





2 Bedded ICU cum CCU for THQ hospitals with covered area of 433 SFT

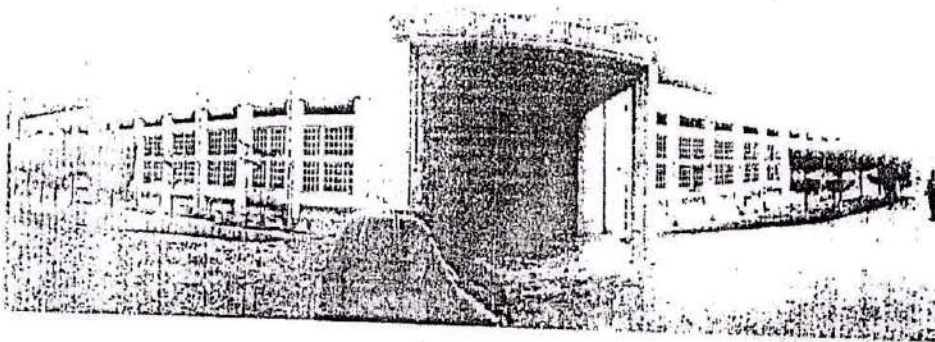
## Dialysis Unit



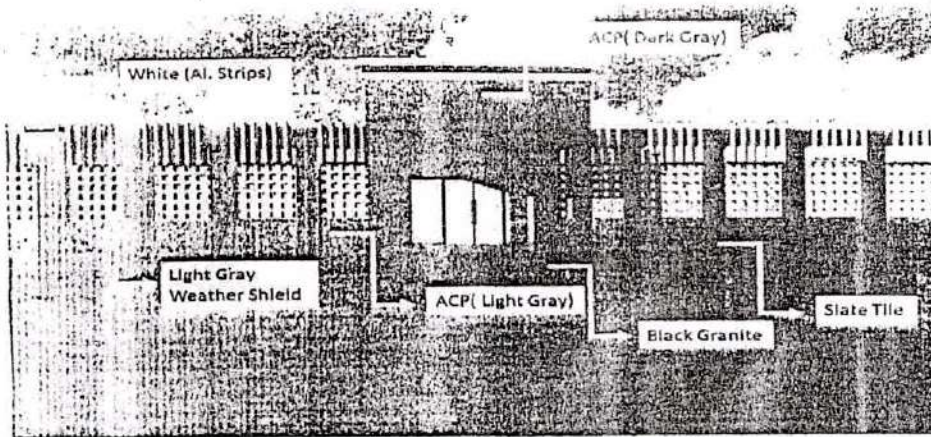
5 Bedded Dialysis unit for THQ hospital having covered area of 894 SFT

## Options for Facades for THQ Hospitals

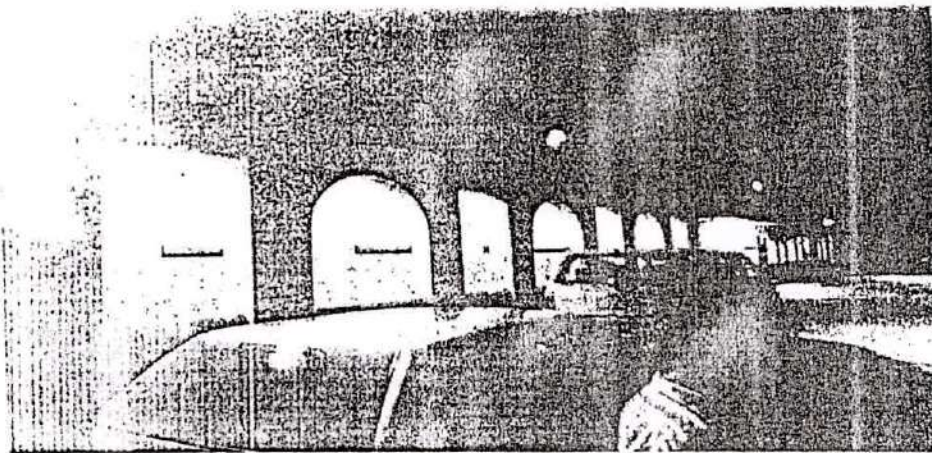
Before



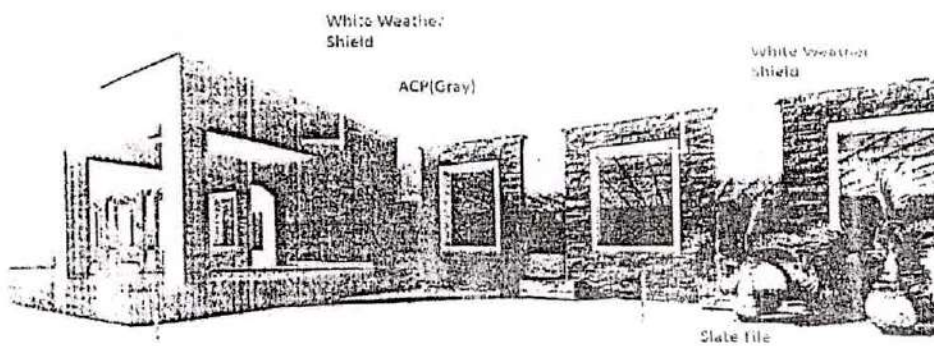
After



Before

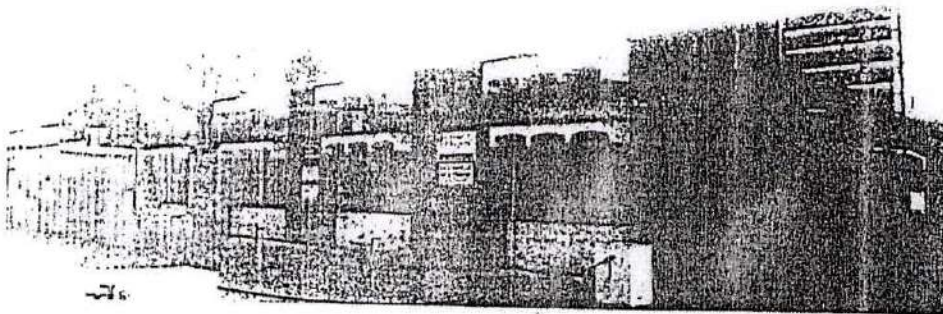


After

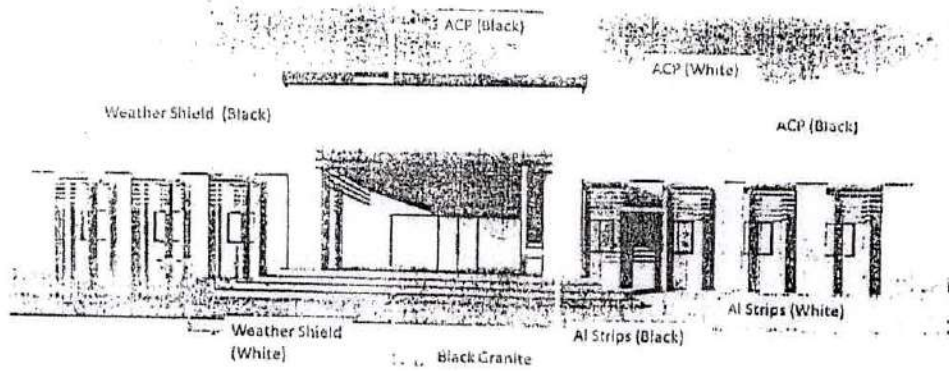




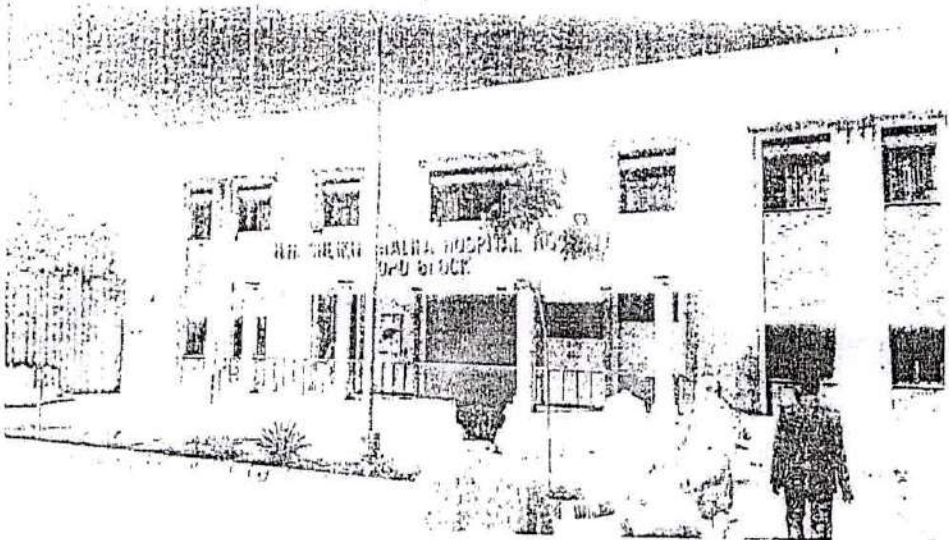
Before

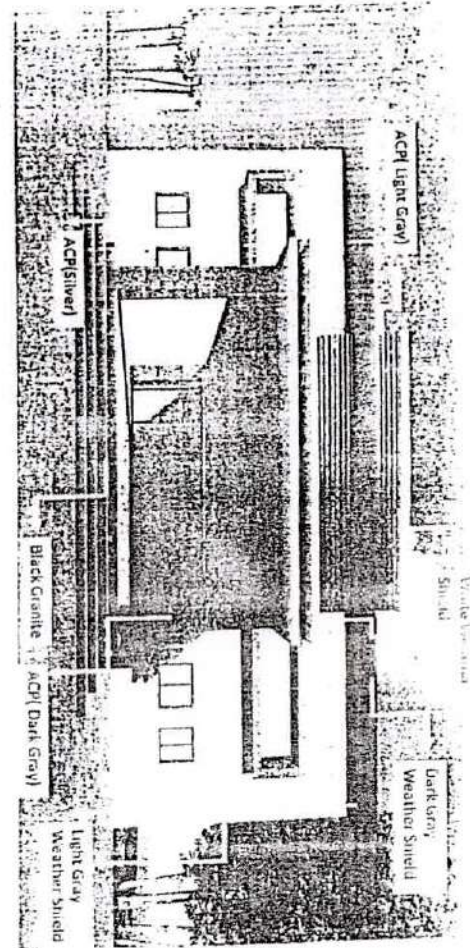


After

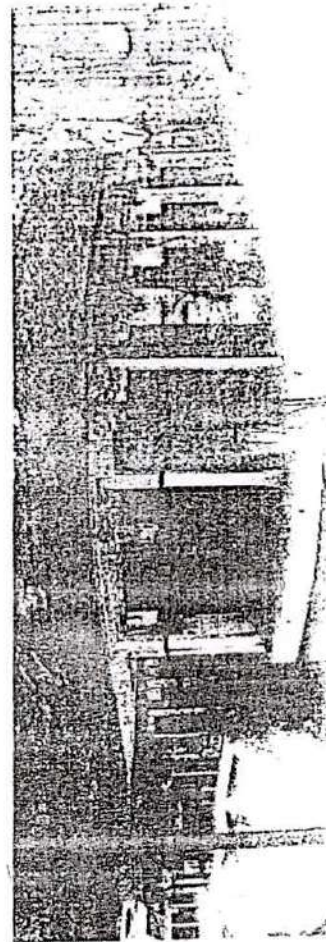


Before

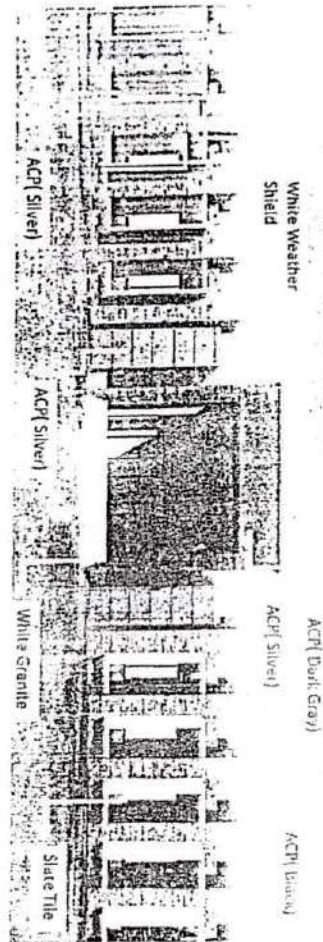




Before



After





**ROUGH COST ESTIMATE ON DETAIL BASIS FOR THE WORK REVENPING OF THQ THAL (MIAN NAWAZ SHAREEF)  
HOSPITAL TEHSIL & DISTRICT LAYYAH**


**ABSTRACT OF COST.**

ABSTRACT OF COST.

S. N.	Description	Quantity	Unit.	Plinth Area Rates for 1st BI-ANNUAL-2021 (1ST Jan TO 30th June 2021) DISTRICT LAYYAH.						Total Rate	Amount	Remarks.	
				Rate									
				B:Portion			P.H	E.I					
1	2	3	4	5			6	7	8	9	10		
NON RESIDENTIAL PORTION.													
1	Cost of Revemping of Emergency Block	1	No	Job	Rs.	13984310				Rs. 13984310.00	Rs. 13984310	Detailed attached	
2	Cost of Emergency/Fire Alarm System in Emergency Block	1	No	Job	Rs.	853550				Rs. 853550.00	Rs. 853550	Detailed attached	
3	Cost of Revemping of OPD Block	1	No	Job	Rs.	12361617				Rs. 12361617.00	Rs. 12361617	Detailed attached	
4	Cost of Revemping of 40 Bedded Ward Ground Floor.	1	No	Job	Rs.	7713365				Rs. 7713365.00	Rs. 7713365	Detailed attached	
5	Cost of Revemping of 40 Bedded Ward First Floor.	1	No	Job	Rs.	6582856				Rs. 6582856.00	Rs. 6582856	Detailed attached	
6	Cost of Emergency/Fire Alarm System in OPD & 40 Bedded Ward (Ground Floor & First Floor)	1	No	Job	Rs.	853550				Rs. 853550.00	Rs. 853550	Detailed attached	
7	Construction of Nursing Counter	4	No	Job	Rs.	162900				Rs. 162900.00	Rs. 651600	Detailed attached	
8	Construction of Room for Purification Plant (16.50x15')	297	Sft	P.Sft	Rs.	1988			75	98	Rs. 2161.00	Rs. 641817	Plinth Area Rates for 1st BI-ANNUAL-2021 (1ST Jan TO 30th June 2021) DISTRICT LAYYAH.
9	Cost of RO water Filtration Plant with hyginic Ultra filtraion 4000 LPH .	1	No	Each	Rs.	1455200				Rs. 1455200.00	Rs. 1455200	Analysis attached	
10	Cost of Chiller .	1	No	Each	Rs.	252800				Rs. 252800.00	Rs. 252800	Analysis attached	
11	Provision of Approach Road	1	Job	Each	Rs.	542100				Rs. 542100.00	Rs. 542100	Detailed attached	
12	Provision of Parking Area	1	Job	Each	Rs.	153000				Rs. 153000.00	Rs. 153000	Detailed attached	
13	Provision of Link Passage	1	Job	Each	Rs.	70000				Rs. 70000.00	Rs. 70000	Detailed attached	

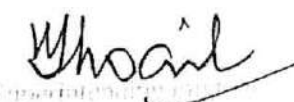


S. N.	Description	Quantity	Unit.	Plinth Area Rates for 1st BI-ANNUAL 2021 (1ST Jan TO 30th June 2021) DISTRICT LAYYAH.								Total Rate	Amount	Remarks.		
				Rate												
				B:Portion				P.H		E.I						
								6		7						
1	2	3	4	5								6	7	8	9	10
		1	No	Job	Rs.	512400						Rs.	512400.00	Rs.	512400	Detailed attached
14	Construction of Waiting Shed	1	No	Job	Rs.	489900						Rs.	489900.00	Rs.	489900	Detailed attached
15	Construction of Car Parking Shed	1	No	Job	Rs.	2462700						Rs.	2462700.00	Rs.	2462700	
	External Development											Total =	Rs.	49580765		
		1	No	Job	Rs.	2478661						Rs.	2478661.00	Rs.	2478661	
	Recovery of Old Material											Total =	Rs.	47102104		
													Rs.	2355105		
	Add:5% PRA Charges.											G.Total.	Rs.	49457209		
												49457200	Rs.	49.457(M)		

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

**ROUGH COST ESTIMATE ON DETAILE BASIS FOR THE WORK REVENPING OF  
EMERGENCY BLOCK IN THQ THAL (MIAN NAWAZ SHAREEF) HOSPITAL TEHSIL &  
DISTRICT LAYYAH**

MRS 1st Bi-annual 2021 (1st January 2021 to 30th June 2021 for District Layyah)

1 Dismantling glazed or encaustic tiles, etc.

X ray room	1	x13	x19	=	247 Sft.
Dark room.	1	x7	x8-1/4	=	58 Sft.
Cross match etc.	3	x10	x19	=	570 Sft.
Tel/Rec.	2	x10	x8-3/4	=	175 Sft.
Duct.	1	x6-3/4	x8-1/2	=	57 Sft.
Scrub	1	x16-3/4	x15-1/4	=	255 Sft.
Disp.	1	x13	x19	=	247 Sft.
Treatment.	1	x18-3/4	x20	=	375 Sft.
Space for stret.	1	x6-3/4	x10	=	68 Sft.
Plaster	1	x14-3/4	x6-1/2	=	96 Sft.
Splint.	1	x14-3/4	x13-1/2	=	199 Sft.
Auto clave	1	x6	x10	=	60 Sft.
Change.	1	x6	x12	=	72 Sft.
"	1	x6-3/4	x8-1/2	=	57 Sft.
Corridor side.	4	x5	x8-1/4	=	165 Sft.
Porch	1	x19	x20	=	380 Sft.
Doctor.	1	x12	x20	=	240 Sft.
Nurse.	1	x10	x10-1/4	=	103 Sft.
DMS off.	1	x17-3/4	x10	=	178 Sft.
P farm front.	1	x22	x13-3/4	=	303 Sft.
O.P.T.	1	x20	x20	=	400 Sft.
Crush Hall	1	x30	x19	=	570 Sft.
Corridor side.	1	x80	x8-1/4	=	660 Sft.
Waiting	2	x16	x19	=	608 Sft.
Nurse.	1	x10	x12	=	120 Sft.
Doctor.	1	x14	x12	=	168 Sft.
4 bedded ward	2	x20-3/4	x19	=	789 Sft.
Nurse.	1	x10	x10	=	100 Sft.
"	1	x5	x5	=	25 Sft.
Corridor.	1	x120-1/4	x8-1/4	=	992 Sft.
Back ent.	1	x22	x12	=	264 Sft.
Toilet.	1	x4-5/8	x4-1/2	=	21 Sft.
"	1	x4-3/4	x6	=	29 Sft.
"	3	x4	x5	=	60 Sft.
"	2	x6	x4	=	48 Sft.
"	1	x7	x5-5/8	=	39 Sft.
"	2	x3-1/4	x4	=	26 Sft.
"	1	x4-5/8	x5	=	23 Sft.
"	1	x5	x5	=	25 Sft.
"	1	x6	x8-3/8	=	50 Sft.
"	1	x10	x9-3/8	=	94 Sft.
X ray room	2	x1	x(13 +19 )	x4	= 256 Sft.
Dark room.	2	x1	x(7 +8-1/4)	x4	= 122 Sft.
Cross match etc.	2	x3	x(10 +19 )	x4	= 696 Sft.
Tel/Rec.	2	x2	x(10 +8-3/4)	x4	= 300 Sft.
Duct.	2	x1	x(6-3/4 +8-1/2)	x4	= 122 Sft.
Scrub	2	x1	x(16-3/4 +15-1/4)	x4	= 256 Sft.
Disp.	2	x1	x(13 +19 )	x4	= 256 Sft.
Treatment.	2	x1	x(18-3/4 +20 )	x4	= 310 Sft.
Space for stret.	2	x1	x(6-3/4 +10 )	x4	= 134 Sft.
Plaster	2	x1	x(14-3/4 +6-1/2)	x4	= 170 Sft.
Splint.	2	x1	x(14-3/4 +13-1/2)	x4	= 226 Sft.
Auto clave	2	x1	x(6 +10 )	x4	= 128 Sft.
Change.	2	x1	x(6 +12 )	x4	= 144 Sft.
"	2	x1	x(6-3/4 +8-1/2)	x4	= 122 Sft.
Corridor side.	2	x4	x(5 +8-1/4)	x4	= 424 Sft.
Porch	2	x1	x(19 +20 )	x4	= 312 Sft.
Doctor.	2	x1	x(12 +20 )	x4	= 256 Sft.
Nurse.	2	x1	x(10 +10-1/4)	x4	= 162 Sft.
DMS off.	2	x1	x(17-3/4 +10 )	x4	= 222 Sft.
P farm front.	2	x1	x(22 +13-3/4)	x4	= 286 Sft.

O.P.T.	2 x1	x(20	+20	)	x4	=	320 Sft.
Crush Hall	2 x1	x(30	+19	)	x4	=	392 Sft.
Corridor side.	2 x1	x(80	+8-1/4)	)	x4	=	706 Sft.
Waiting	2 x2	x(16	+19	)	x4	=	560 Sft.
Nurse.	2 x1	x(10	+12	)	x4	=	176 Sft.
Doctor.	2 x1	x(14	+12	)	x4	=	208 Sft.
4 bedded ward	2 x2	x(20-3/4	+19	)	x4	=	636 Sft.
Nurse.	2 x1	x(10	+10	)	x4	=	160 Sft.
"	2 x1	x(5	+5	)	x4	=	80 Sft.
Corridor.	2 x1	x(120-1/4	+8-1/4)	)	x4	=	1028 Sft.
Back ent.	2 x1	x(22	+12	)	x4	=	272 Sft.
Toilet.	2 x1	x(4-5/8	+4-1/2)	)	x4	=	73 Sft.
"	2 x1	x(4-3/4	+6	)	x4	=	86 Sft.
"	2 x3	x(4	+5	)	x4	=	216 Sft.
"	2 x2	x(6	+4	)	x4	=	160 Sft.
"	2 x1	x(7	+5-5/8)	)	x4	=	101 Sft.
"	2 x2	x(3-1/4	+4	)	x4	=	116 Sft.
"	2 x1	x(4-5/8	+5	)	x4	=	77 Sft.
"	2 x1	x(5	+5	)	x4	=	80 Sft.
"	2 x1	x(6	+8-3/8)	)	x4	=	115 Sft.
"	2 x1	x(10	+9-3/8)	)	x4	=	155 Sft.
Total						=	19637 Sft.

@Rs.1606.20/%Sft

Rs. 315409/-

## 2 Removing door with chowkat.

D1	1 x10	=	10 No.
D5	1 x5	=	5 No.
D6	1 x3	=	3 No.
D5A	1 x1	=	1 No.
S.sides N.S Ver	1 x2	=	2 No.
D4	1 x7	=	7 No.
D2	1 x3	=	3 No.
D6a	1 x2	=	2 No.
Lobby	1 x1	=	1 No.
D3	1 x3	=	3 No.
Total			37 No.

@Rs.295.15/Each

Rs. 10921/-

## 3 Removing windows and sky lights with chowkat.

1 x1	x4	x1-1/2	=	6 No.
1 x1	x4	x4	=	16 No.
1 x1	x8	x4	=	32 No.
1 x1	x8	x1-1/2	=	12 No.
1 x1	x4	x1-1/2	=	6 No.
1 x1	x4-3/4	x4	=	19 No.
1 x1	x4	x4	=	16 No.
1 x1	x12	x4	=	48 No.
1 x8	x4	x4	=	128 No.
1 x1	x12	x4	=	48 No.
1 x2	x4	x1-1/2	=	12 No.
1 x1	x12	x4	=	48 No.
1 x2	x4	x4	=	32 No.
1 x1	x7	x5	=	35 No.
1 x4	x1-1/2	x7	=	42 No.
Total			=	500 No.

@Rs.228.35/Each

Rs. 114175/-



	1 x1	x46-1/2	x5	=	233 Sft.
	1 x2	x7-1/2	x5	=	75 Sft.
	1 x2	x7-3/4	x5	=	78 Sft.
	1 x2	x9	x5	=	90 Sft.
Ent	1 x1	x21-1/2	x5	=	108 Sft.
Front	1 x1	x46	x5	=	230 Sft.
	1 x2	x22-1/2	x5	=	225 Sft.
	1 x8	x5-3/4	x5	=	230 Sft.
	1 x2	x21-1/2	x5	=	215 Sft.
	1 x2	x22-1/4	x5	=	223 Sft.
B.side	1 x4	x8-1/4	x5	=	165 Sft.
	1 x2	x55-1/4	x5	=	553 Sft.
	1 x2	x20-3/4	x5	=	208 Sft.
	1 x1	x21-3/4	x5	=	109 Sft.

Total = 2742 Sft.

@Rs.296.10% Sft Rs. 8119/-

11 1/2" thick cement plaster 1:4 upto 20' (6.00 mm) height:-

	1 x1	x46-1/2	x5	=	233 Sft.
	1 x2	x7-1/2	x5	=	75 Sft.
	1 x2	x7-3/4	x5	=	78 Sft.
	1 x2	x9	x5	=	90 Sft.
Ent	1 x1	x21-1/2	x5	=	108 Sft.
Front	1 x1	x46	x5	=	230 Sft.
	1 x2	x22-1/2	x5	=	225 Sft.
	1 x8	x5-3/4	x5	=	230 Sft.
	1 x2	x21-1/2	x5	=	215 Sft.
	1 x2	x22-1/4	x5	=	223 Sft.
B.side	1 x4	x8-1/4	x5	=	165 Sft.
	1 x2	x55-1/4	x5	=	553 Sft.
	1 x2	x20-3/4	x5	=	208 Sft.
	1 x1	x21-3/4	x5	=	109 Sft.
Nurse station	2 x1	x1	x10	x12	= 240 Sft.
	2 x1	x1	x4-5/8	x12	= 111 Sft.
	2 x1	x1	x4-7/8	x12	= 117 Sft.
Latv	2 x1	x1	x10-3/8	x12	= 249 Sft.
	2 x1	x1	x4	x12	= 96 Sft.
	2 x1	x1	x7	x12	= 168 Sft.
	2 x1	x1	x7-3/8	x12	= 177 Sft.
	2 x1	x1	x9	x12	= 216 Sft.
	2 x1	x1	x10	x12	= 240 Sft.
Record	2 x1	x1	x7	x3	= 42 Sft.
Counter tegha	2 x1	x1	x7	x3	= 42 Sft.
	2 x2	x4	x3	x3	= 144 Sft.
	2 x2	x1	x12	x3	= 144 Sft.
W. Room shelf	2 x7	x2	x3	x3	= 252 Sft.
	2 x7	x1	x5	x3	= 210 Sft.
Main counter	2 x2	x2	x5	x4	= 160 Sft.
	2 x2	x2	x10	x4	= 320 Sft.

Total = 5670 Sft.

@Rs.2102.85% Sft Rs. 119232/-

12 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. a) 1:2

Counter tegha	1 x2	x4	x3	x3	= 72 Sft.
	1 x2	x1	x12	x3	= 72 Sft.
W. Room shelf	1 x7	x2	x3	x3	= 126 Sft.
	1 x7	x1	x5	x3	= 105 Sft.
Main counter	1 x2	x2	x5	x4	= 80 Sft.
	1 x2	x2	x10	x4	= 160 Sft.

Total = 615 Sft.

@Rs.2586.45% Sft Rs. 15907/-

13 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. b) 4" i/d (100 mm)

1 x3      x7      x15  
1 x3      x3      x10

= 315 Rft.  
= 90 Rft.  
Total = 405 Rft.  
@Rs.291.30/Rft      Rs. 117977/-

- ii 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. c) 2" i/d (50 mm)

1 x4      x5      x10

= 200 Rft.  
Total = 200 Rft.  
@Rs.141.05/Rft      Rs. 28210/-

- 14 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured

1 x10

= 10 No.  
Total = 10 No.  
@Rs.1479.45/Each      Rs. 14795/-

- 15 Providing and fitting "P" trap:- ii) 10 cm (4") glazed.

2 x10

= 20 No.  
Total = 20 No.  
@Rs.151.65/Each      Rs. 3033/-

- 16 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").

2 x10

= 20 No.  
Total = 20 No.  
@Rs.745.40/Each      Rs. 14908/-

- 17 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured

1 x10

= 10 No.  
Total = 10 No.  
@Rs.1496.45/Each      Rs. 14965/-

- 18 Providing and fitting Commode coupled with flushing cistern (Porta) approved make brand full size i/c double seat and backlit cover etc. complete in all respect as approved by the Engineer Incharge.

1 x5

= 5 No.  
Total = 5 No.  
@Rs.18000.00/Each      Rs. 90000/-

- 19 Providing and fitting of bath room fitting set Lever Type SONEX/Master/Faisal Best Quality consisting of wall shower, basin mixer Muslim shower with double bib cock 3 No tee stop cock (all cock 1/2" dia.) complete in all respect as approved by the Engineer Incharge.

1 x5

= 5 No.  
Total = 5 No.  
@Rs.20200.00/Each      Rs. 101000/-

- 20 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.

1 x10

= 10 No.  
Total = 10 No.  
@Rs.6700.00/Each      Rs. 67000/-

- 21 Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all  
1 x10

= 10 No.  
Total = 10 No.  
@Rs.5500.00/Each Rs. 55000/-

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

1	x4-5/8	x4-1/2	x 1/8
1	x4-3/4	x6	x 1/8
3	x4	x5	x 1/8
2	x6	x4	x 1/8
1	x7	x5-5/8	x 1/8
2	x3-1/4	x4	x 1/8
1	x4-5/8	x5	x 1/8
1	x5	x5	x 1/8
1	x6	x8-3/8	x 1/8
1	x10	x9-3/8	x 1/8
Total.			

= 3 Cft.  
= 4 Cft.  
= 8 Cft.  
= 6 Cft.  
= 5 Cft.  
= 3 Cft.  
= 3 Cft.  
= 3 Cft.  
= 6 Cft.  
= 12 Cft.  
= 53 Cft.

@Rs.22784.80/%Cft Rs. 12076/-

- 23 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)

Counter tegha	2	x12	x3	x 3/8
	7	x5	x3	x 3/8
W.Room shelf	2	x10	x5	x 3/8
Lintel W.Room	10	x4	x 3/8	x 1/2
	10	x6-1/2	x 3/4	x 3/4
	5	x8-1/2	x1-1/8	x1
Total				

= 27 Cft.  
= 39 Cft.  
= 38 Cft.  
= 8 Cft.  
= 37 Cft.  
= 48 Cft.  
= 197.00 Cft.

@Rs.379.60/Cft Rs. 74781/-

- 24 Fabrication of M.S reinforcement i/c cutting bending binding 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

Take Qty 6.75 Lbs/Cft of above Item

197.00 x6.75 x0.454

= 604 Kg  
= 604 Kg

@Rs.15930.60/%Kg Rs. 96221/-

- 25 PROVIDING & LAYING PORCELAIN TILES FLOORING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.

X-ray room	1	x13	x19
Dark room.	1	x7	x8-1/4
Cross match etc.	3	x10	x19
tel/Rec.	2	x10	x8-3/4
Duct.	1	x6-3/4	x8-1/2
Scrub	1	x16-3/4	x15-1/4

= 247 Sft.  
= 58 Sft.  
= 570 Sft.  
= 175 Sft.  
= 57 Sft.  
= 255 Sft.



					=	247 Sft.
Disp.	1	x13	x19		=	375 Sft.
Treatment.	1	x18-3/4	x20		=	68 Sft.
Space for stret.	1	x6-3/4	x10		=	96 Sft.
Plaster	1	x14-3/4	x6-1/2		=	199 Sft.
Splint.	1	x14-3/4	x13-1/2		=	60 Sft.
Auto clave	1	x6	x10		=	72 Sft.
Change.	1	x6	x12		=	57 Sft.
"	1	x6-3/4	x8-1/2		=	165 Sft.
Corridor side.	4	x5	x8-1/4		=	380 Sft.
Porch	1	x19	x20		=	240 Sft.
Doctor.	1	x12	x20		=	103 Sft.
Nurse.	1	x10	x10-1/4		=	178 Sft.
DMS off.	1	x17-3/4	x10		=	303 Sft.
P.farm front.	1	x22	x13-3/4		=	400 Sft.
O.P.T.	1	x20	x20		=	570 Sft.
Crush Hall	1	x30	x19		=	660 Sft.
Corridor side.	1	x80	x8-1/4		=	608 Sft.
Waiting	2	x16	x19		=	120 Sft.
Nurse.	1	x10	x12		=	168 Sft.
Doctor.	1	x14	x12		=	789 Sft.
4 bedded ward	2	x20-3/4	x19		=	100 Sft.
Nurse.	1	x10	x10		=	25 Sft.
"	1	x5	x5		=	992 Sft.
Corridor.	1	x120-1/4	x8-1/4		=	264 Sft.
Back ent.	1	x22	x12		=	3 Sft.
Door sills D3	1	x4	x 3/4		=	8 Sft.
D4	3	x3-1/2	x 3/4		=	6 Sft.
Opening.	1	x8	x 3/4		=	5 Sft.
D5	2	x3	x 3/4		=	2 Sft.
Tele D6	1	x3	x 3/4		=	2 Sft.
Rec	1	x3	x 3/4		=	2 Sft.
Duct D5A	1	x3	x 3/4		=	8 Sft.
D1	2	x5	x 3/4		=	3 Sft.
D4 plaster.	1	x3-1/2	x 3/4		=	5 Sft.
D6 A	2	x3	x 3/4		=	4 Sft.
D2	1	x5	x 3/4		=	3 Sft.
D3	1	x4	x 3/4		=	3 Sft.
Total						8652 Sft.

@Rs.236.00/Sft

Rs. 2041872/-

26 PROVIDING & LAYING PORCELAIN TILES  
SKIRTING 24" X 24" X 3/8" GRANITE WITH DRY /  
WET / VENIED APPLICATION, DWV SERIES  
POLISHED (LIGHT COLOUR) CLASS SB LAID IN  
WHITE CEMENT AND MATCHING PIGMENT  
OVER 3/4" THICK CEMENT SAND MORTAR (1:2)  
1/C FILLING JOINTS IN WHITE CEMENT AND  
MATCHING PIGMENT COMPLETE IN ALL  
RESPECT.

X-ray room	2	x1	x(13	+19	)	x4	=	256 Sft.
Dark room.	2	x1	x(7	+8-1/4)	)	x4	=	122 Sft.
Cross match etc.	2	x3	x(10	+19	)	x4	=	696 Sft.
Rel/Rec.	2	x2	x(10	+8-3/4)	)	x4	=	300 Sft.
Duct.	2	x1	x(6-3/4	+8-1/2)	)	x4	=	122 Sft.
Scrub	2	x1	x(16-3/4	+15-1/4)	)	x4	=	256 Sft.
Disp.	2	x1	x(13	+19	)	x4	=	256 Sft.
Treatment.	2	x1	x(18-3/4	+20	)	x4	=	310 Sft.
Space for stret.	2	x1	x(6-3/4	+10	)	x4	=	134 Sft.
Plaster	2	x1	x(14-3/4	+6-1/2)	)	x4	=	170 Sft.
Splint.	2	x1	x(14-3/4	+13-1/2)	)	x4	=	226 Sft.
Auto clave	2	x1	x(6	+10	)	x4	=	128 Sft.
Change.	2	x1	x(6	+12	)	x4	=	144 Sft.
"	2	x1	x(6-3/4	+8-1/2)	)	x4	=	122 Sft.
Corridor side.	2	x4	x(5	+8-1/4)	)	x4	=	424 Sft.
Porch	2	x1	x(19	+20	)	x4	=	312 Sft.

Doctor.	2	x1	x(12	+20	)	x4	=	256 Sft.
Nurse.	2	x1	x(10	+10-1/4)	)	x4	=	162 Sft.
DMS off.	2	x1	x(17-3/4	+10	)	x4	=	222 Sft.
P.farm front.	2	x1	x(22	+13-3/4)	)	x4	=	286 Sft.
O.P.T.	2	x1	x(20	+20	)	x4	=	320 Sft.
Crush Hall	2	x1	x(30	+19	)	x4	=	392 Sft.
Corridor side.	2	x1	x(80	+8-1/4)	)	x4	=	706 Sft.
Waiting	2	x2	x(16	+19	)	x4	=	560 Sft.
Nurse.	2	x1	x(10	+12	)	x4	=	176 Sft.
Doctor.	2	x1	x(14	+12	)	x4	=	208 Sft.
4 bedded ward	2	x2	x(20-3/4	+19	)	x4	=	636 Sft.
Nurse.	2	x1	x(10	+10	)	x4	=	160 Sft.
"	2	x1	x(5	+5	)	x4	=	80 Sft.
Corridor.	2	x1	x(120-1/4	+8-1/4)	)	x4	=	1028 Sft.
Back ent.	2	x1	x(22	+12	)	x4	=	272 Sft.
Total								9442 Sft.

@Rs.241.00/Sft

Rs. 2275522/-

27 PROVIDING AND LAYING Ceramic tile size 12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN MATCHING DARK COLORS (GLOSSY/MATT) SP PLN-SB CLASS SB AS PER APPROVED DESIGN & OF APPROVED COLOR AND SHADE LAID OVER 3/4" THICK CEMENT PLASTER 1:2 I/C WHITE CEMENT, PIGMENT AND SEALER FOR FINISHING THE JOINTS I/C CUTTING GRINDING WHERE NECESSRY COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Toilet.	1	x4-5/8	x4-1/2	=	21 Sft.
"	1	x4-3/4	x6	=	29 Sft.
"	3	x4	x5	=	60 Sft.
"	2	x6	x4	=	48 Sft.
"	1	x7	x5-5/8	=	39 Sft.
"	2	x3-1/4	x4	=	26 Sft.
"	1	x4-5/8	x5	=	23 Sft.
"	1	x5	x5	=	25 Sft.
"	1	x6	x8-3/8	=	50 Sft.
"	1	x10	x9-3/8	=	94 Sft.
Total					415 Sft.

@Rs.187.00/Sft

Rs. 77605/-

28 PROVIDING AND LAYING Ceramic tile size 12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN MATCHING DARK COLORS (GLOSSY/MATT) SP PLN-SB CLASS SB SKIRTING/DADO AS PER APPROVED DESIGN & OF APPROVED COLOR AND SHADE LAID OVER 1/2" THICK CEMENT PLASTER 1:2 I/C WHITE CEMENT, PIGMENT AND SEALER FOR FINISHING THE JOINTS I/C CUTTING GRINDING WHERE NECESSRY COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Toilet.	2	x1	x(4-5/8	+4-1/2)	)	x6	=	110 Sft.
"	2	x1	x(4-3/4	+6	)	x6	=	129 Sft.
"	2	x3	x(4	+5	)	x6	=	324 Sft.
"	2	x2	x(6	+4	)	x6	=	240 Sft.
"	2	x1	x(7	+5-5/8)	)	x6	=	152 Sft.
"	2	x2	x(3-1/4	+4	)	x6	=	174 Sft.
"	2	x1	x(4-5/8	+5	)	x6	=	116 Sft.
"	2	x1	x(5	+5	)	x6	=	120 Sft.
"	2	x1	x(6	+8-3/8)	)	x6	=	173 Sft.
"	2	x1	x(10	+9-3/8)	)	x6	=	233 Sft.
Total								1771 Sft.

@Rs.192.00/Sft

Rs. 340032/-



29 Providing And Fixing False ceiling (Dampa) sheet 2'x2' imported fixed with Aluminium frame (Tee and L) hanged with 10-No wire with roof slab i/c cost of hooks and scaffolding, carriage complete in all respect

X-ray room	1	x13	x19	=	247 Sft.
Dark room.	1	x7	x8-1/4	=	58 Sft.
Cross match etc.	3	x10	x19	=	570 Sft.
Tel/Rec.	2	x10	x8-3/4	=	175 Sft.
Duct.	1	x6-3/4	x8-1/2	=	57 Sft.
Scrub	1	x16-3/4	x15-1/4	=	255 Sft.
Disp.	1	x13	x19	=	247 Sft.
Treatment.	1	x18-3/4	x20	=	375 Sft.
Space for stret.	1	x6-3/4	x10	=	68 Sft.
Plaster	1	x14-3/4	x6-1/2	=	96 Sft.
Splint.	1	x14-3/4	x13-1/2	=	199 Sft.
Auto clave	1	x6	x10	=	60 Sft.
Change.	1	x6	x12	=	72 Sft.
"	1	x6-3/4	x8-1/2	=	57 Sft.
Porch	1	x19	x20	=	380 Sft.
Doctor.	1	x12	x20	=	240 Sft.
Nurse.	1	x10	x10-1/4	=	103 Sft.
DMS off.	1	x17-3/4	x10	=	178 Sft.
O.P.T.	1	x20	x20	=	400 Sft.
Crush Hall	1	x30	x19	=	570 Sft.
Waiting	2	x16	x19	=	608 Sft.
Nurse.	1	x10	x12	=	120 Sft.
Doctor.	1	x14	x12	=	168 Sft.
4 bedded ward	2	x20-3/4	x19	=	789 Sft.
Nurse.	1	x10	x10	=	100 Sft.
"	1	x5	x5	=	25 Sft.

Total

6217 Sft.

@Rs.150.00/Sft

Rs. 932550/-

30 PROVIDING AND FIXING PVC WALL PANELLING I/C COST OF NAILS "U" TYPE MATLEED GOLA BASED ON POLYTHENE SHEET WITH TERMITE PROOFING AND GOLA I/C POLISHING ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE

4 bedded ward	2	x2	x(20-3/4	+19 )	x6	=	954 Sft.
Nurse.	2	x2	x(10	+10-1/4)	x6	=	486 Sft.
	2	x2	x(10	+12 )	x6	=	528 Sft.

Total

1968 Sft.

@Rs.137.00/Sft

Rs. 269616/-

31 Preparing surface and painting with emulsion paint- 3 coats

X-ray room	2	x1	x(13	+19 )	x8	=	512 Sft.
Dark room.	2	x1	x(7	+8-1/4)	x8	=	244 Sft.
Cross match etc.	2	x3	x(10	+19 )	x8	=	1392 Sft.
Tel/Rec.	2	x2	x(10	+8-3/4)	x8	=	600 Sft.
Duct.	2	x1	x(6-3/4	+8-1/2)	x8	=	244 Sft.
Lobby/Anthesai	2	x1	x(16-3/4	+15-1/4)	x8	=	512 Sft.
Disp.	2	x1	x(13	+19 )	x8	=	512 Sft.
Treatment.	2	x1	x(18-3/4	+20 )	x8	=	620 Sft.
Space for stret.	2	x1	x(6-3/4	+10 )	x8	=	268 Sft.
Plaster	2	x1	x(14-3/4	+13-1/2)	x8	=	452 Sft.
Splint.	2	x1	x(14-3/4	+6-1/8)	x8	=	334 Sft.
Auto clave	2	x1	x(6	+10 )	x8	=	256 Sft.
Change.	2	x1	x(6	+12 )	x8	=	288 Sft.
"	2	x1	x(6	+8-7/8)	x8	=	238 Sft.
Corridor side.	2	x4	x(5	+8-1/4)	x8	=	848 Sft.
Porch	2	x1	x(19	+20 )	x8	=	624 Sft.
Nurse.	2	x1	x(10	+10-1/4)	x8	=	324 Sft.

	2 x1	x(10	+12	)	x8	=	352 Sft.
	2 x1	x(10	+10	)	x8	=	320 Sft.
Corridor	2 x1	x(132	+8-1/4)	)	x8	=	2244 Sft.
P.Farm	2 x1	x(24	+10	)	x8	=	544 Sft.
	2 x1	x(67-1/4	+25	)	x8	=	1476 Sft.
O.P.T.	2 x1	x(20	+20	)	x8	=	640 Sft.
Crush Hall	2 x1	x(30	+19	)	x8	=	784 Sft.
Corridor side.	2 x1	x(80	+8-1/4)	)	x8	=	1412 Sft.
Lobby.	2 x1	x(15-5/8	+8-1/4)	)	x8	=	382 Sft.
Waiting	2 x2	x(16-5/8	+19	)	x8	=	1140 Sft.
Toilets	2 x1	x(5	+5	)	x6	=	120 Sft.
	2 x1	x(6	+8-3/8)	)	x6	=	173 Sft.
	2 x1	x(10	+9-3/8)	)	x6	=	233 Sft.
Toilets	1 x5	x5				=	25 Sft.
	1 x6	x8-3/8				=	50 Sft.
	1 x10	x9-3/8				=	94 Sft.
Toilet.	1 x4-5/8	x4-1/2				=	21 Sft.
"	1 x4-3/4	x6				=	29 Sft.
"	3 x4	x5				=	60 Sft.
"	2 x6	x4				=	48 Sft.
"	1 x7	x5-5/8				=	39 Sft.
"	2 x3-1/4	x4				=	26 Sft.
	1 x4-5/8	x5				=	23 Sft.
	1 x5	x5				=	25 Sft.
Toilet.	2 x1	x(4-5/8	+4-1/2)	)	x6	=	110 Sft.
"	2 x1	x(4-3/4	+6	)	x6	=	129 Sft.
"	2 x3	x(4	+5	)	x6	=	324 Sft.
"	2 x2	x(6	+4	)	x6	=	240 Sft.
"	2 x1	x(7	+5-5/8)	)	x6	=	152 Sft.
"	2 x2	x(3-1/4	+4	)	x6	=	174 Sft.
	2 x1	x(4-5/8	+5	)	x6	=	116 Sft.
	2 x1	x(5	+5	)	x6	=	120 Sft.

Total

19893 Sft.

@Rs.1412.40/%Sft

Rs. 280969/-

32 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.

	1 x1	x12	x1-1/2	=	18 Sft
	1 x15	x4	x1-1/2	=	90 Sft
	1 x1	x7	x1-1/2	=	11 Sft
	1 x1	x12	x1-1/2	=	18 Sft
	1 x1	x7-1/2	x1-1/2	=	11 Sft
	1 x2	x7	x1-1/2	=	21 Sft
	1 x1	x12	x1-1/2	=	18 Sft
	1 x10	x4	x1-1/2	=	60 Sft
	1 x1	x6	x1-1/2	=	9 Sft
	1 x1	x4-3/4	x1-1/2	=	7 Sft
	1 x1	x4	x1-1/2	=	6 Sft
	1 x1	x11-7/8	x1-1/2	=	18 Sft
	1 x1	x4	x1-1/2	=	6 Sft
	1 x1	x8	x1-1/2	=	12 Sft
	1 x2	x7	x1-1/2	=	21 Sft
	1 x2	x6-7/8	x1-1/2	=	21 Sft
	1 x5	x20	x1	=	100 Sft.
	1 x5	x20	x 1/2	=	50 Sft.
Nurse counter.	2 x10	x2		=	40 Sft.
	1 x19	x20		=	380 Sft.
P Farm	1 x20	x10		=	200 Sft.

Total

1117 Sft.

@Rs.620.00/Sft

Rs. 692540/-

33 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminium jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. b) 2 mm thick

1 x1	x12	x4	=	48 Sft
1 x15	x4	x1-1/2	=	90 Sft
1 x1	x7	x4-3/4	=	33 Sft
1 x1	x12	x3-3/4	=	45 Sft
1 x1	x7-1/2	x3	=	23 Sft
1 x2	x7	x3	=	42 Sft
1 x1	x12	x4	=	48 Sft
1 x10	x4	x4	=	160 Sft
1 x1	x6	x1-1/2	=	9 Sft
1 x1	x4-3/4	x3-3/4	=	18 Sft
1 x1	x4	x3-3/4	=	15 Sft
1 x1	x11-7/8	x3-3/4	=	45 Sft
1 x1	x4	x5-1/2	=	22 Sft
1 x1	x8	x4	=	32 Sft
1 x2	x7	x5-1/4	=	74 Sft
1 x2	x6-7/8	x5-1/4	=	72 Sft
Total			=	776 Sft.

@Rs.775.20/Sft

Rs. 601555/-

34 Providing and fixing M.S. flat  $\frac{1}{2}$ " x  $\frac{1}{8}$ " (13mm x 3mm) grill including  $\frac{3}{4}$ " x  $\frac{1}{8}$ " (20 mm x 3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.

1 x1	x12	x4	=	48 Sft
1 x15	x4	x1-1/2	=	90 Sft
1 x1	x7	x4-3/4	=	33 Sft
1 x1	x12	x3-3/4	=	45 Sft
1 x1	x7-1/2	x3	=	23 Sft
1 x2	x7	x3	=	42 Sft
1 x1	x12	x4	=	48 Sft
1 x10	x4	x4	=	160 Sft
1 x1	x6	x1-1/2	=	9 Sft
1 x1	x4-3/4	x3-3/4	=	18 Sft
1 x1	x4	x3-3/4	=	15 Sft
1 x1	x11-7/8	x3-3/4	=	45 Sft
1 x1	x4	x5-1/2	=	22 Sft
1 x1	x8	x4	=	32 Sft
1 x2	x7	x5-1/4	=	74 Sft
1 x2	x6-7/8	x5-1/4	=	72 Sft
Total			=	776 Sft.

@Rs.277.85/Sft

Rs. 215612/-



- 35 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cup or Pakistan sections thickness having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted sections are of dull aluminium glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

D5	1 x5	x3	x7	=	105 Sft.
D6	1 x3	x3	x8-1/2	=	77 Sft.
D5A	1 x1	x3	x8-1/2	=	26 Sft.
S.sides N.S Ver	1 x2	x4	x8-1/2	=	68 Sft.
D4	1 x7	x3-1/2	x8-1/2	=	208 Sft.
D2	1 x3	x5	x8-1/2	=	128 Sft.
D6a	1 x2	x3	x8-1/2	=	51 Sft.
Lobby	1 x1	x5	x8-1/2	=	43 Sft.
D3	1 x3	x4	x7	=	84 Sft.
Total				=	790 Sft.

@Rs.568.55/Sft Rs. 449155/-

- 36 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

D2	4 x5	x8-1/2	=	170 Sft.
Total			=	170 Sft.

@Rs.3768.75/Sft Rs. 640688/-

- 37 Providing and Laying UPVC Door for wash room of approved manufactured i/c M.S chowkhat 1-1/2x1-1/2x1/4" fixing and all kinds of fitting such as handle tower bolts etc complete in all respect as approved by the Engineer Incharge

D1	1 x10	x2-1/2	x7	=	175 Sft.
Total				=	175 Sft.

@Rs.950.00/Sft Rs. 166250/-

- 38 PROVIDING AND FIXING BEST QUALITY FANCY DOOR HANDLE LOCK AS APPROVED BY THE ENGINEER INCHARGE WITH 5" MACHINE (IMPORTED QUALITY) ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

1 x45	=	45 No.
Total	=	45 No.

@Rs.2500.00/Each Rs. 112500/-

- 39 Providing and Laying Non-Skid Chequered tiles of approved color and shade laid over 3/4" thick cement 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary, complete in all respects and as Approved by the Engineer Incharge

2 x10	x4	=	80 Sft.
Total		=	80 Sft.

@Rs.177.00/Sft Rs. 14160/-

40 Supply & Installation of Phillips, LED Light 24"x24" (RC 099v LED 36S / 865 W 60L60 GM) in Fasle Ceiling of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

1 x20

= 20 No.

Total = 20 No.

@Rs.13830.00/Each

Rs. 276600/-

41 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

1 x100 x4

Total

= 400 Rft.

= 400 Rft.

@Rs.305.00/Rft

Rs. 122000/-

42 Providing and Fixing beeding wooden gola fency type etc complete in all respects and as Approved by the Engineer Incharge

30 x4 x2-1/2  
30 x2 x5

Total

= 300 Rft.

= 300 Rft.

= 600 Rft.

@Rs.150.00/Rft

Rs. 90000/-

43 Making And Fixing Looking Glass 5mm Thick Belgium Or Equivalent 8'-0"x2'0" In Aluminum Frame 50x20mm (2"x3/4") Back Covered With Hard Broad Including Termite Proofing And Polythene Sheet Of Approved Color And Design Compete In All Respect As Approved By Engineer Incharge

1 x9 x5 x3

Total

= 135 Sft.

= 135 Sft.

@Rs.300.00/Sft

Rs. 40500/-

44 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.

	1 x1	x46-1/2	x17-1/2	=	814 Sft.
	1 x2	x7-1/2	x17-1/2	=	263 Sft.
	1 x2	x7-3/4	x17-1/2	=	271 Sft.
	1 x2	x9	x17-1/2	=	315 Sft.
Ent	1 x1	x21-1/2	x17-1/2	=	376 Sft.
Front	1 x1	x46	x17-1/2	=	805 Sft.
	1 x2	x22-1/2	x17-1/2	=	788 Sft.
	1 x8	x5-3/4	x17-1/2	=	805 Sft.
	1 x2	x21-1/2	x17-1/2	=	753 Sft.
	1 x2	x22-1/4	x17-1/2	=	779 Sft.
	1 x4	x8-1/4	x17-1/2	=	578 Sft.
B side	1 x2	x55-1/4	x17-1/2	=	1934 Sft.
	1 x2	x20-3/4	x17-1/2	=	726 Sft.
	1 x1	x21-3/4	x17-1/2	=	381 Sft.
			Total.	=	9588 Sft.

Deductions.

W1	1 x3	x12	x4	=	144 Sft.
W2	1 x6	x4	x4	=	96 Sft.
CW2	1 x7	x4	x1-1/2	=	42 Sft.
W6	1 x1	x2	x4	=	8 Sft.
DW1	1 x4	x5	x8-1/2	=	170 Sft.
"	1 x4	x4	x8	=	128 Sft.
			Total Deductions.	=	588 Sft.
Net Qty.		9588	(-) 588	=	9000 Sft.

@Rs.2868.05%Sft

Rs. 258125/-

45 Providing and Laying led sheet in X-ray room etc complete in all respects and as Approved by the Engineer Incharge

X ray room	2 x1	x(13	+19	)	x12	=	768 Sft.
			Total			=	768 Sft.

@Rs.564.00/Sft

Rs. 433152/-

46 Providing and Laying Anti septic/anti bractrial etc complete in all respects and as Approved by the Engineer Incharge

O.P.T.	2 x1	x(20	+20	)	x12	=	960 Sft.
			Total			=	960 Sft.

@Rs.985.00/Sft

Rs. 945600/-

47 Providing and Laying Water proofing of Washrooms with cleaning,chiping,using ultra power 2000 finish with SBR latex and cement with applying 2 coat of ultra seal etc complete in all respects and as Approved by the Engineer Incharge

Toilets	1 x5	x5				=	25 Sft.
	1 x6	x8-3/8				=	50 Sft.
	1 x10	x9-3/8				=	94 Sft.
Toilet.	1 x4-5/8	x4-1/2				=	21 Sft.
"	1 x4-3/4	x6				=	29 Sft.
"	3 x4	x5				=	60 Sft.
"	2 x6	x4				=	48 Sft.
"	1 x7	x5-5/8				=	39 Sft.
"	2 x3-1/4	x4				=	26 Sft.
"	1 x4-5/8	x5				=	23 Sft.
"	1 x5	x5				=	25 Sft.
Toilet.	2 x1	x(4-5/8	+4-1/2)	)	x6	=	110 Sft.
"	2 x1	x(4-3/4	+6	)	x6	=	129 Sft.
"	2 x3	x(4	+5	)	x6	=	324 Sft.
"	2 x2	x(6	+4	)	x6	=	240 Sft.
"	2 x1	x(7	+5-5/8)	)	x6	=	152 Sft.
"	2 x2	x(3-1/4	+4	)	x6	=	174 Sft.
"	2 x1	x(4-5/8	+5	)	x6	=	116 Sft.
"	2 x1	x(5	+5	)	x6	=	120 Sft.
			Total			=	1805 Sft.

@Rs.62.40/Sft

Rs. 112632/-

48 Providing and fixing vertical rolling view blinder with machine (Master quality) improted etc complete in all respects and as Approved by the Engineer Incharge

	1 x2	x13	x5			=	130 Sft
			Total			=	130 Sft.

@Rs.350.00/Sft

Rs. 45500/-

49 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) 12 mm i/d

	25 x4	x2-1/2				=	250 Rft.
			Total			=	250 Rft.

@Rs.43.75/Rft

Rs. 10938/-

ii) 20 mm i/d

	25 x4	x2-1/2				=	250 Rft.
			Total			=	250 Rft.

@Rs.50.20/Rft

Rs. 12550/-



@Rs.141.05/Rft

Rs. 33852/-

- 14 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured

1 x9

= 9 No.

Total = 9 No.

@Rs.1479.45/Each

Rs. 13315/-

- 15 Providing and fitting "P" trap:- ii) 10 cm (4") glazed.

2 x9

= 18 No.

Total = 18 No.

@Rs.151.65/Each

Rs. 2730/-

- 16 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").

2 x9

= 18 No.

Total = 18 No.

@Rs.745.40/Each

Rs. 13417/-

- 17 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured

1 x9

= 9 No.

Total = 9 No.

@Rs.1496.45/Each

Rs. 13468/-

- 18 Providing and fitting Commode coupled with flushing cistern (Porta) approved make brand full size i/c double seat and backlit cover etc. complete in all respect as approved by the Engineer Incharge."

1 x2

= 2 No.

Total = 2 No.

@Rs.18000.00/Each

Rs. 36000/-

- 19 Providing and fitting of bath room fitting set Lever Type SONEX/Master/Faisal Best Quality consisting of wall shower, basin mixer Muslim shower with double bib cock 3 No tee stop cock (all cock 1/2" dia.) complete in all respect as approved by the Engineer Incharge.

1 x5

= 5 No.

Total = 5 No.

@Rs.20200.00/Each

Rs. 101000/-

- 20 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.

1 x5

= 5 No.

Total = 5 No.

@Rs.6700.00/Each

Rs. 33500/-

- 21 Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all respects as approved by the Engineer incharge.

1 x5

= 5 No.

Total = 5 No.

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

Toilet	3	x5	x6-5/8	x 1/8
	1	x6-5/8	x6-5/8	x 1/8
	2	x4-1/2	x6	x 1/8
	3	x3	x6	x 1/8
Lav.	9	x2-1/4	x 3/8	x 1/8
	1	x9-1/4	x13	x 1/8
	Total.			

@Rs.5500.00/Each

Rs. 27500/-

=	12 Cft.
=	5 Cft.
=	7 Cft.
=	7 Cft.
=	1 Cft.
=	15 Cft.
=	47 Cft.

@Rs.22784.80%/Cft

Rs. 10709/-

23 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) (e) Type C (nominal mix 1: 2: 4)

Counter tegha	2	x12	x3	x 3/8
	7	x5	x3	x 3/8
Lintel W.Room	10	x4	x 3/8	x 1/2
	10	x6-1/2	x 3/4	x 3/4
	5	x8-1/2	x1-1/8	x1
	Total			

=	27 Cft.
=	39 Cft.
=	8 Cft.
=	37 Cft.
=	48 Cft.
=	197.00 Cft.

@Rs.379.60/Cft

Rs. 74781/-

24 Fabrication of M.S reinforcement i/c cutting bending binding 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

Take Qty 6.75 Lbs/Cft of above Item

197.00	x6.75	x0.454
--------	-------	--------

=	604 Kg
=	604 Kg

@Rs.15930.60%/Kg

Rs. 96221/-

25 PROVIDING & LAYING PORCELAIN TILES FLOORING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) E.C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.

Ver	1	x1	x60	x8
Word	1	x2	x36	x19-3/8
	1	x1	x12	x9-3/8
Nurse	1	x1	x11	x12
M.O	1	x1	x10	x15-5/8
Store	1	x1	x15	x17
Corridor	1	x1	x51-1/2	x11
Stramp	1	x1	x33	x11
Corridor	1	x1	x15	x16
	Total			

=	480 Sft.
=	1395 Sft.
=	113 Sft.
=	132 Sft.
=	156 Sft.
=	255 Sft.
=	567 Sft.
=	363 Sft.
=	240 Sft.
=	3701 Sft.

@Rs.236.00/Sft

Rs. 873436/-



26 PROVIDING & LAYING PORCELAIN TILES  
SKIRTING 24" X 24" X 3/8" GRANITE WITH DRY /  
WET / VENIED APPLICATION, DWV SERIES  
POLISHED (LIGHT COLOUR) CLASS SB LAID IN  
WHITE CEMENT AND MATCHING PIGMENT  
OVER 3/4" THICK CEMENT SAND MORTAR (1:2)  
I/C FILLING JOINTS IN WHITE CEMENT AND  
MATCHING PIGMENT COMPLETE IN ALL  
RESPECT.

Corridor.	2	x1	x(30-1/4	+9 )	x4	=	314 Sft.
Ver	2	x1	x(60	+8 )	x4	=	544 Sft.
Word	2	x2	x(36	+19-3/8)	x4	=	886 Sft.
	2	x1	x(12	+9-3/8)	x4	=	171 Sft.
Nurse	2	x1	x(11	+12 )	x4	=	184 Sft.
M.O	2	x1	x(10	+15-5/8)	x4	=	205 Sft.
Store	2	x1	x(15	+17 )	x4	=	256 Sft.
Corridor	2	x1	x(51-1/2	+11 )	x4	=	500 Sft.
st.ramp	2	x1	x(33	+11 )	x4	=	352 Sft.
Corridor	2	x1	x(15	+16 )	x4	=	248 Sft.
Total							3660 Sft.

@Rs.241.00/Sft

Rs. 882060/-

27 PROVIDING AND LAYING Ceramic tile size  
12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN  
MATCHING DARK COLORS (GLOSSY/MATT) SP  
PIN-SB CLASS SB AS PER APPROVED DESIGN &  
OF APPROVED COLOR AND SHADE LAID OVER  
3/4" THICK CEMENT PLASTER 1:2 I/C WHITE  
CEMENT, PIGMENT AND SEALER FOR  
FINISHING THE JOINTS I/C CUTTING  
GRINDING WHERE NECESSRY COMPLETE IN  
ALL RESPECT AND AS APPROVED BY THE  
ENGINEER INCHARGE.

Toilet	1	x3	x5	x6-5/8	=	99 Sft.
	1	x1	x6-5/8	x6-5/8	=	44 Sft.
	1	x2	x4-1/2	x6	=	54 Sft.
	1	x3	x3	x6	=	54 Sft.
	1	x9	x2-1/4	x 3/8	=	8 Sft.
Lav	1	x1	x9-1/4	x19-1/4	=	178 Sft.
	Total				=	437 Sft.

@Rs.187.00/Sft

Rs. 81719/-

28 PROVIDING AND LAYING Ceramic tile size  
12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN  
MATCHING DARK COLORS (GLOSSY/MATT) SP  
PIN-SB CLASS SB SKIRTING/DADO AS PER  
APPROVED DESIGN & OF APPROVED COLOR  
AND SHADE LAID OVER 1/2" THICK CEMENT  
PLASTER 1:2 I/C WHITE CEMENT, PIGMENT  
AND SEALER FOR FINISHING THE JOINTS I/C  
CUTTING GRINDING WHERE NECESSRY  
COMPLETE IN ALL RESPECT AND AS  
APPROVED BY THE ENGINEER INCHARGE.

Toilet	2	x3	x(5	+6-5/8)	x6	=	419 Sft.
	2	x1	x(6-5/8	+6-5/8)	x6	=	159 Sft.
	2	x2	x(4-1/2	+6 )	x6	=	252 Sft.
	2	x3	x(3	+6 )	x6	=	324 Sft.
	2	x9	x(2-1/4	+ 3/8)	x6	=	284 Sft.
Lav	2	x1	x(9-1/4	+19-1/4)	x6	=	342 Sft.
	Total						<u>1780 Sft.</u>

@Rs.192.00/Sft

Rs. 341760/-

29 Providing and Laying Non-Skid Chequered tiles of approved color and shade laid over 3/4" thick cement 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary, complete in all respects and as Approved by the Engineer Incharge

	2 x20	x4		=	160 Sft.
Ramp	1 x1	x61	x15-3/4	=	961 Sft.
Beam St.ramp	1 x2	x15-3/4	x1	=	32 Sft.
				=	1153 Sft.
			Total		

@Rs.177.00/Sft

Rs. 204081/-

30 Providing And Fixing False ceiling (Dampa) sheet 2'x2' imported fixed with Aluminium frame (Tee and L) hanged with 10-No wire with roof slab i/c cost of hooks and scaffolding, carriage complete in all respect

Word	1 x2	x36	x19-3/8	=	1395 Sft.
	1 x1	x12	x9-3/8	=	113 Sft.
Nurse	1 x1	x11	x12	=	132 Sft.
M.O	1 x1	x10	x15-5/8	=	156 Sft.
Store	1 x1	x15	x17	=	255 Sft.
			Total	=	2051 Sft.

@Rs.150.00/Sft

Rs. 307650/-

31 PROVIDING AND FIXING PVC WALL PANELLING I/C COST OF NAILS "U" TYPE MATLEED GOLA BASED ON POLYTHENE SHEET WITH TERMITE PROOFING AND GOLA I/C POLISHING ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Ward	2 x2	x(36	+19-3/8)	x8	=	1772 Sft.
			Total		=	1772 Sft.

@Rs.137.00/Sft

Rs. 242764/-

32 Preparing surface and painting with emulsion paint:-  
3 coats

Ver	1	x1	x60	x8	=	480 Sft.
Word	1	x2	x36	x19-3/8	=	1395 Sft.
	1	x1	x12	x9-3/8	=	113 Sft.
Nurse	1	x1	x11	x12	=	132 Sft.
M.O	1	x1	x10	x15-5/8	=	156 Sft.
Store	1	x1	x15	x17	=	255 Sft.
Corridor	1	x1	x51-1/2	x11	=	567 Sft.
St.ramp	1	x1	x33	x11	=	363 Sft.
Corridor	1	x1	x15	x16	=	240 Sft.
Corridor.	2	x1	x(30-1/4	+9 ) x8	=	628 Sft.
Ver	2	x1	x(60	+8 ) x8	=	1088 Sft.
Word	2	x2	x(36	+19-3/8) x8	=	1772 Sft.
	2	x1	x(12	+9-3/8) x8	=	342 Sft.
Nurse	2	x1	x(11	+12 ) x8	=	368 Sft.
M.O	2	x1	x(10	+15-5/8) x8	=	410 Sft.
Store	2	x1	x(15	+17 ) x8	=	512 Sft.
Corridor	2	x1	x(51-1/2	+11 ) x8	=	1000 Sft.
St.ramp	2	x1	x(33	+11 ) x8	=	704 Sft.
Corridor	2	x1	x(15	+16 ) x8	=	496 Sft.
Toilet	1	x3	x5	x6-5/8	=	99 Sft.
	1	x1	x6-5/8	x6-5/8	=	44 Sft.
	1	x2	x4-1/2	x6	=	54 Sft.
	1	x3	x3	x6	=	54 Sft.
	1	x9	x2-1/4	x 3/8	=	8 Sft.
lav	1	x1	x9-1/4	x19-1/4	=	178 Sft.
Toilet	2	x3	x(5	+6-5/8) x6	=	419 Sft.
	2	x1	x(6-5/8	+6-5/8) x6	=	159 Sft.
	2	x2	x(4-1/2	+6 ) x6	=	252 Sft.
	2	x3	x(3	+6 ) x6	=	324 Sft.
	2	x9	x(2-1/4	+ 3/8) x6	=	284 Sft.

Lav	2	x1	x(9-1/4	+19-1/4)	x6	=	342 Sft.
Ramp	1	x1	x61	x15-3/4		=	961 Sft.
Beam St.ramp	1	x2	x15-3/4	x1		=	32 Sft.
			Total			=	14231 Sft.

@Rs.1412.40/%Sft

Rs. 200999/-

33 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminium jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. b) 2 mm thick

1	x18	x4	x5-1/2	=	396 Sft.
1	x1	x5	x5-1/2	=	28 Sft.
1	x4	x4	x4	=	64 Sft.
1	x4	x3	x8-1/2	=	102 Sft.
			Total	=	590 Sft.

@Rs.775.20/Sft

Rs. 457368/-

34 Providing and fixing M.S. flat 1/2"x1/8" (13mm x 3mm) grill including 1/4" x 1/8" (20 mmx3 mm) M.S. flat frame, inwindows of approved design, including painting three coats, complete in all respects.

1	x18	x4	x5-1/2	=	396 Sft.
1	x1	x5	x5-1/2	=	28 Sft.
1	x4	x4	x4	=	64 Sft.
18	x6	x6		=	648 Sft.
			Total	=	1136 Sft.

@Rs.277.25/Sft

Rs. 314956/-

35 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cup or Pakistan sections thickness having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted sections are of dull aluminium glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

Link ver.	1	x4	x3-1/2	x7	=	98 Sft.
	1	x1	x3-1/2	x7	=	25 Sft.
M O					=	196 Sft.
	2	x4	x3-1/2	x7	=	49 Sft.
M.O	1	x2	x3-1/2	x7	=	368 Sft.
			Total		=	

Total

@Rs.568.55/Sft

Rs. 209226/-

36 Providing and Laying UPVC Door for wash room of approved manufactured i/c M.S chowkhat 1-1/2x1-1/2x1/4" fixing and all kinds of fitting such as handle tower bolts etc complete in all respect as approved by the Engineer Incharge

toilet.	1	x6	x2-1/2	x7	=	105 Sft.
			Total		=	105 Sft.

@Rs.950.00/Sft

Rs. 99750/-



37 PROVIDING AND FIXING BEST QUALITY FANCY DOOR HANDLE LOCK AS APPROVED BY THE ENGINEER INCHARGE WITH 5" MACHINE (IMPORTED QUALITY) ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

1 x14

= 14 No.  
Total = 14 No.  
@Rs.2500.00/Each Rs. 35000/-

38 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.

1 x20

= 20 No.  
Total = 20 No.  
@Rs.13830.00/Each Rs. 276600/-

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.

1 x100 x6

Total

= 600 Rft.  
= 600 Rft.  
@Rs.305.00/Rft Rs. 183000/-

40 Providing and Fixing beeding wooden gola fency type etc complete in all respects and as Approved by the Engineer Incharge

10 x4 x2-1/2  
10 x2 x5

Total

= 100 Rft.  
= 100 Rft.  
= 200 Rft.  
@Rs.150.00/Rft Rs. 30000/-

41 Making And Fixing Looking Glass 5mm Thick Belgium Or Equivalent 8'-0"x2'0" In Aluminum Frame 50x20mm (2"x3/4") Back Covered With Hard Broad Including Termite Proofing And Polythene Sheet Of Approved Color And Design Compete In All Respect As Approved By Engineer Incharge

1 x6 x5 x3

Total

= 90 Sft.  
= 90 Sft.  
@Rs.300.00/Sft Rs. 27000/-

42 Providing and Laying Water proofing of Washrooms with cleaning,chiping,using ultra power 2000 finish with SBR latex and cement with applying 2 coat of ultra seal etc complete in all respects and as

Toilet

1 x3 x5 x6-5/8  
1 x1 x6-5/8 x6-5/8

1 x2 x4-1/2 x6  
1 x3 x3 x6

1 x9 x2-1/4 x 3/8

Lav

1 x1 x9-1/4 x19-1/4

Toilet

2 x3 x(5 +6-5/8) x6

2 x1 x(6-5/8 +6-5/8) x6

2 x2 x(4-1/2 +6 ) x6

2 x3 x(3 +6 ) x6

2 x9 x(2-1/4 + 3/8) x6

Lav

2 x1 x(9-1/4 +19-1/4) x6

Total

= 99 Sft.  
= 44 Sft.  
= 54 Sft.  
= 54 Sft.  
= 8 Sft.  
= 178 Sft.  
= 419 Sft.  
= 159 Sft.  
= 252 Sft.  
= 324 Sft.  
= 284 Sft.  
= 342 Sft.  
= 2217 Sft.  
@Rs.62.40/Sft Rs. 138341/-

13 Providing and fixing vertical rolling view blinder with machine (Master quality) imprinted etc complete in all respects and as Approved by the Engineer Incharge

1 x4 x4 x9-1/2  
Total

= 152 Sft.  
= 152 Sft.  
@Rs.350.00/Sft Rs. 53200/-

14 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) 12 mm i/d

20 x3 x2-1/2  
Total

= 150 Rft.  
= 150 Rft.  
@Rs.43.75/Rft Rs. 6563/-

ii) 20 mm i/d

15 x3 x2-1/2  
Total

= 113 Rft.  
= 113 Rft.  
@Rs.50.20/Rft Rs. 5673/-

15 Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-a) 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")

1 x5 x300  
Total

= 1500 Rft.  
= 1500 Rft.  
@Rs.12.50/Rft Rs. 18750/-

iii) 7/0.74 mm (7/0.029")

1 x3 x200  
Total

= 600 Rft.  
= 600 Rft.  
@Rs.16.80/Rft Rs. 10080/-

v) 7/1.12 mm (7/0.044")

1 x2 x250  
Total

= 500 Rft.  
= 500 Rft.  
@Rs.33.30/Rft Rs. 16650/-

viii) 19/1.63 mm (19/0.064")

1 x2 x225  
Total

= 450 Rft.  
= 450 Rft.  
@Rs.172.45/Rft Rs. 77603/-

46 PROVIDING AND FIXING AT SITE OF EXHAUST FAN 12" SWEEP (DOUBLE ACTION AND PLASTIC BODY) MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x6

= 6 No.  
Total = 6 No.  
@Rs.2570.00/Each Rs. 15420/-

47 PROVIDING AND FIXING AT SITE OF BRACKET FAN 18" SWEEP MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x20

= 20 No.  
Total = 20 No.  
@Rs.3700.00/Each Rs. 74000/-

48 Providing and fixing of China Sheet Hilife/Bush Switch 1G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x30

= 30 No.

Total = 30 No.  
@Rs.540.00/Each Rs. 16200/-

49 Providing and fixing of China Sheet Hilife/Bush Switch 3G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x30

= 30 No.

Total = 30 No.  
@Rs.780.00/Each Rs. 23400/-

50 Providing and fixing of China Sheet Hilife/Bush Switch 6G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x30

= 30 No.


Total = 30 No.  
@Rs.1254.00/Each Rs. 37620/-


51 Providing and fixing of China Sheet Hilife/Bush Switch 8G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.


1 x30

= 30 No.

Total = 30 No.  
@Rs.1602.00/Each Rs. 48060/-  
Total Rs. 6391122/-  
Add: 3% Contingency Rs. 191734/-  
G.Total Rs. 6582856/-

  
Sub Engineer,

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah.



**DETAILED ESTIMATE FOR PROVISION OF PCC FLOORING FOR PARKING AREA MRS 1st Bi-annual 2021 (1st January 2021 to 30th June 2021 for District Layyah)**

1 Dismantling brick or flagged flooring without concrete foundation.

Parking area      1 x 1      x 36      x 52  
Total

= 1872 Sft  
= 1872 Sft @ 604.10%/Sft      Rs.11309/-

2 Dry brick on edge paving, sand grouted, including preparation of bed by watering, ramming & bringing the same to proper camber, by ½ "(13 mm) thick mud plaster. (Labour Rate only)

Parking area      1 x 1      x 36      x 52  
Total

= 1872 Sft  
= 1872 Sft @ 2155.60%/Sft      Rs.40353/-

3 Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (c) 1½"(40 mm) thick

Parking area      1 x 1      x 36      x 52  
Total

= 1872 Sft  
= 1872 Sft @ 4248.60%/Sft      Rs.79534/-

4 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)

1 x 1      x 18      x 52  
1 x 1      x 26      x 36  
Total


= 936 Rft  
= 936 Rft  
= 1872 Rft @ 9.25/Rft      Rs.17316/-

TOTAL      Rs.148512/-

Add: 3% Contingency      Rs.4455/-

G.TOTAL      Rs.152967/-

Say =      Rs.152000/-


  
Sub Engineer

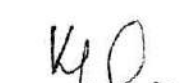
  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

**DETAILED ESTIMATE FOR PROVISION OF LINK PASSAGE BETWEEN OPD & EMERGENCY  
BLOCK MRS 1st Bi-annual 2021 (1st January 2021 to 30th June 2021 for District Laysyah)**

1	Excavation in foundation of buildings, bridges and other structures including dag-belling, dressing, refilling around the structures with excavated earth, watering and ramming lead upto one chain and hit upto 5 feet in ordinary soil.	1 x 2 x 32 x 1-1/2 x 1	= 96 Cft	
		Total	= 96 Cft @ 7492.30%oCft	Rs.719/-
2	Dry rammed brick or stone ballast 1-1/2" to 2" gauge in F & plinth.	1 x 2 x 32 x 1-1/2 x 1/2	= 48 Cft	
		Total	= 48 Cft @ 4051.50%Cft	Rs.1945/-
3	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:-Ratio 1:6	1 x 2 x 32 x 1-1/8 x 1/4 1 x 2 x 32 x 3/4 x (4 +2 ) 2	= 18 Cft = 144 Cft	
		Total	= 162 Cft @ 21465.45%Cft	Rs.34774/-
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) 1:2:4 Ratio.	1 x 2 x 32 x 3/4 x 1/8	= 6.00 Cft	
			6.00 Cft @ 22784.80% Cft	Rs.1367/-
5	Filling, watering and ramming earth under floors:-with new earth excavated from outside, lead upto 1 miles.	1 x 1 x 32 x 6 x (1-1/2 +3-1/2 ) 2	= 480 Cft	
		Total	= 480 Cft @ 10978.60%oCft	Rs.5270/-
6	Providing, laying, watering and ramming brick ballast 1 1/2" to 2"(40 mm to 50 mm) gauge mixed with 25% sand.			
	Gate	1 x 2 x 32 x 6 x 3/8	= 144 Cft	
		Total	= 144 Cft @ 4555.25% Cft	Rs.6560/-
7	Cement pointing deep struck joints on walls with red oxide pigment to match the colour of bricks.	1 x 2 x 32 x (4 +2 ) 2	= 192 Sft	
		Total	= 192 Sft @ 2678.75%Sft	Rs.5143/-
8	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (e) 2"(50 mm) thick			
	Parking area	1 x 1 x 32 x 6	= 192 Sft	
		Total	= 192 Sft @ 5389.60%Sft	Rs.10348/-
9	Providing and fixing marble strip of any shade, for dividing the mosaic flooring into panels a) Size 1 1/4" x 3/8" (40 x 10 mm)	1 x 1 x 3 x 32 1 x 1 x 17 x 6 Total	= 96 Rft = 102 Rft = 198 Rft @ 9.25/Rft	Rs.1832/- Rs.67958/- Rs.2039/- Rs.69997/- Say = Rs.70000/-

  
Sub Engineer

  
Sub Division Engineer  
Buildings Sub Division  
Laysyah

  
Executive Engineer  
Buildings Division  
Laysyah



# ROUGH COST ESTIMATE ON DETAILED BASIS FOR THE "PROVISION OF WAITING SHED.

(MRS)1st BI-ANNUAL-2021(1ST January TO 30th June) District Laysah

1 Excavation in foundation of buildings, bridges and other structures including dag-belling, dressing, refilling around the structures with excavated earth, watering and ramming lead upto one chain and lift upto 5 feet in ordinary soil.

	2 x 32-3/8	x 1-1/2	x 1-1/2	=	146 Cft.	
	2 x 29-1/4	x 1-1/2	x 1-1/2	=	132 Cft.	
	8 x 1-1/4	x 1-1/4	x 2	=	25 Cft	
RCC Pillar			Total	=	303 Cft @ 7492.30%oCft	Rs.2270/-

2 Dry rammed brick or stone ballast 1-1/2" to 2" gauge in f & plinth.

	2 x 32-3/8	x 1-1/2	x 1/2	=	49 Cft.	
	2 x 29-1/4	x 1-1/2	x 1/2	=	44 Cft.	
	8 x 1-1/4	x 1-1/4	x 1/2	=	6 Cft	
RCC Pillar			Total	=	99 Cft @ 4051.10%oCft	Rs.4011/-

3 Pacca brick work with cement sand mortar in foundation and plinth.i) Ratio 1:6

	2 x 31-7/8	x 1-1/8	x 1/4	=	18 Cft.	
	2 x 31-1/2	x 3/4	x 2-1/2	=	118 Cft.	
	2 x 29-5/8	x 1-1/8	x 1/4	=	17 Cft.	
	2 x 30	x 3/4	x 2-1/2	=	113 Cft.	
			Total.	=	266 Cft.@Rs.21465.45%oCft	Rs. 57098/-

4 Filling, watering, ramming, earth under floor with i) with surplus earth from foundation, etc.

Take 2/3 of It.No.1	303	x 2/3		=	201 Cft	
			Total.	=	201 Cft. @Rs.3583.55%oCft	Rs. 720/-

ii) Filling, watering, ramming, earth under floor with ii) New earth excavated from out side lead up to one mile.

	1 x 30	x 30	x 1-2/7	=	1163 Cft.	
			Total.	=	1163 Cft.	

Deduction.

Surplus Earth

Net Qty.	1163	(-) 201	=	201 Cft.	
			=	962 Cft. @Rs.10998.40%oCft	Rs. 10580/-

5 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, rebitting, handling,assembling and fixing, but including erection in position.

in position.									
1/2" dia bolts	8 x 4	x 1-1/2	x0.667	x0.454	=	15 Kg			
M.S plat 3/4x3/4x3/8" (6x4)	32 x 3/4	x 3/4	x 3/8	x3.400	x0.454	=	10 Kg		
							25.00 Kg	@ 18040.45%Kg	Rs.4510/-

6 Cost of threading on each bolts.

8 x 4	=	32 No.	
		32.00 No @ 50.00/Each	Rs.1600/-

7 Cost of Double Nut for bolts.

32 x 2	=	64 No.	
		64.00 No @ 40.00/Each	Rs.2560/-

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

	2 x 31-1/2	x 3/4	x 1/8	=	6.00 Cft.	
	2 x 30	x 3/4	x 1/8	=	5.63 Cft.	
	8 x 1-1/4	x 1-1/4	x 2-1/2	=	31.25 Cft	
					42.88 Cft @ 22784.80%oCft	Rs.9769/-

9 Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. ii) Heavy Quality i) 4" i/d (100 mm) 5.4mm thick

8 x 8

= 64.00 Rft  
64.00 Rft @ 1156.80/Rft Rs.74035/-

10 Providing and fixing M.S pipe 16 SWG of various sizes for canopy frame and cross etc complete in all respect as approved by the Engineer Incharge.

i) For frame 1.5x1.5"

2 x 3 x 21  
1 x 3 x 25  
2 x 3 x 20-1/2  
1 x 3 x 2-1/2  
1 x 4 x 5/8  
1 x 50 x 1

= 126 Rft  
= 75 Rft  
= 123 Rft  
= 8 Rft  
= 3 Rft  
= 50 Rft

ii) For cross 1.5x1"

1 x 6 x 25  
1 x 50 x 1

= 384 Rft @ 150.00/Rft  
= 150 Rft  
= 50 Rft

Rs.57600/-

iii) For cross 1"x1"

1 x 6 x 20-1/2  
6 x 17 x 1/2  
2 x 3 x 1-1/2  
2 x 3 x 1  
2 x 3 x 1/2  
1 x 50 x 1

= 200 Rft @ 120.00/Rft  
= 123 Rft  
= 51 Rft  
= 9 Rft  
= 6 Rft  
= 3 Rft  
= 50 Rft

Rs.24000/-

11 Cost of Fiber glass double ply sheet etc complete in all respect as approved by the Engineer Incharge.

1 x 24 x 21  
2 x 1-5/6 x 21

= 504.00 Sft  
= 76.99 Sft

Add: 8% wastage

Total = 580.99 Sft  
46.00 Sft

G.Total. 626.99 Sft @ 300.00/Sft Rs.188097/-

12 Preparing surface and painting to doors and windows any type (including edges):- 3-coats new surface.

1 x 1 x 20 x 20  
Total

= 400 Sft  
= 400 Sft @ 1703.45% Sft

Rs.6814/-

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

1 x 4 x 31-1/2 x 2

= 252 Sft.  
= 252 Sft. @ 2102.85% Sft

Rs. 5299/-

14 Providing and laying, cutting jointing testing disinfecting PPRC line complete in all respect PN-20 i/c all specials approved by the Engineer Incharge. (i). 25mm dia

2 x 5 x 20

Total

= 200 Rft.  
= 200 Rft. @Rs.64.00/Rft

Rs. 12800/-

(ii). 32mm dia.

1 x 10 x 10

Total

= 100 Rft.  
= 100 Rft. @Rs.91.00/Rft

Rs. 9100/-

TOTAL Rs.497483/-

Add: 3% Contingency Rs.14924/-

Say = Rs. 512400

Sub Engineer

Sub Division Officer  
Buildings Sub Division  
Layyah

Executive Engineer  
Buildings Division  
Layyah

# ROUGH COST ESTIMATE ON DETAILED BASIS FOR THE "CONSTRUCTION OF CAR PARKING SHED

(MRS)1st BI-ANNUAL-2021(1ST January TO 30th June) District Layyah

1 Excavation in foundation of buildings, bridges and other structures including dag-belling, dressing, refilling around the structures with excavated earth, watering and ramming lead upto one chain and lift upto 5 feet in ordinary soil.

	2 x 32-3/8	x 1-1/2	x 1-1/2	=	146 Cft.	
	2 x 29-1/4	x 1-1/2	x 1-1/2	=	132 Cft.	
	8 x 1-1/4	x 1-1/4	x 2	=	25 Cft.	
RCC Pillar			Total	=	303 Cft @ 7492.30%oCft	Rs.2270/-

2 Dry rammed brick or stone ballast 1-1/2" to 2" gauge in f & plinth.

	2 x 32-3/8	x 1-1/2	x 1/2	=	49 Cft.	
	2 x 29-1/4	x 1-1/2	x 1/2	=	44 Cft.	
	8 x 1-1/4	x 1-1/4	x 1/2	=	6 Cft.	
RCC Pillar			Total	=	99 Cft @ 4051.10%Cft	Rs.4011/-

3 Pacca brick work with cement sand mortar in foundation and plinth.i) Ratio 1:6

	2 x 31-7/8	x 1-1/8	x 1/4	=	18 Cft.	
	2 x 31-1/2	x 3/4	x 2-1/2	=	118 Cft.	
	2 x 29-5/8	x 1-1/8	x 1/4	=	17 Cft.	
	2 x 30	x 3/4	x 2-1/2	=	113 Cft.	
			Total.	=	266 Cft. @Rs.21465.45%oCft	Rs. 57098/-

4 Filling, watering, ramming, earth under floor with i) with surplus earth from foundation, etc.

Take 2/3 of It.No.1	303	x 2/3		=	201 Cft	
			Total.	=	201 Cft. @Rs.3583.55%oCft	Rs. 720/-

ii) Filling, watering, ramming, earth under floor with ii) New earth excavated from outside lead up to one mile.

	1 x 30	x 30	x 1-2/7	=	1163 Cft.	
			Total.	=	1163 Cft.	

Deduction.

Surplus Earth

Net Qty.	1163	(-) 201	=	201 Cft.	
			=	962 Cft. @Rs.10998.40%oCft	Rs. 10580/-

5 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, rebitting, handling, assembling and fixing, but including erection in position.

1/2" dia bolts	8 x 4	x 1-1/2	x 0.667	x 0.454	=	15 Kg	
MS plat 3/4 x 3/4 x 3/8" (6x4)	32 x 3/4	x 3/4	x 3/8	x 3.400	x 0.454	=	10 Kg
						25.00 Kg @ 18040.45%Kg	Rs.4510/-

6 Cost of threading on each bolts.

8 x 4	=	32 No.	
		32.00 No @ 50.00/Each	Rs.1600/-

7 Cost of Double Nut for bolts.

32 x 2	=	64 No.	
		64.00 No @ 40.00/Each	Rs.2560/-

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

2 x 31-1/2	x 3/4	x 1/8	=	6.00 Cft.	
2 x 30	x 3/4	x 1/8	=	5.63 Cft.	
8 x 1-1/4	x 1-1/4	x 2-1/2	=	31.25 Cft	
			=	42.88 Cft @ 22784.80%Cft	Rs.9769/-

9 Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. ii) Heavy Quality i) 4" i/d (100 mm) 5.4mm thick



8 x 8	= 64.00 Rft	
	64.00 Rft @ 1156.80/Rft	Rs.74035/-
10 Providing and fixing M.S pipe 16 SWG of various sizes for canopy frame and cross etc complete in all respect as approved by the Engineer Incharge.		
i) For frame 1.5x1.5"		
2 x 3 x 21	= 126 Rft	
1 x 3 x 25	= 75 Rft	
2 x 3 x 20-1/2	= 123 Rft	
1 x 3 x 2-1/2	= 8 Rft	
1 x 4 x 5/8	= 3 Rft	
1 x 50 x 1	= 50 Rft	
ii) For cross 1.5x1"	384 Rft @ 150.00/Rft	Rs.57600/-
1 x 6 x 25	= 150 Rft	
1 x 50 x 1	= 50 Rft	
iii) For cross 1"x1"	200 Rft @ 120.00/Rft	Rs.24000/-
1 x 6 x 20-1/2	= 123 Rft	
6 x 17 x 1/2	= 51 Rft	
2 x 3 x 1-1/2	= 9 Rft	
2 x 3 x 1	= 6 Rft	
2 x 3 x 1/2	= 3 Rft	
1 x 50 x 1	= 50 Rft	
	= 242 Rft @ 110.00/Rft	Rs.26620/-
11 Cost of Fiber glass double ply sheet etc complete in all respect as approved by the Engineer Incharge.		
1 x 24 x 21	= 504.00 Sft	
2 x 1-5/6 x 21	= 76.99 Sft	
Add: 8% wastage	Total = 580.99 Sft	
	46.00 Sft	
14 Preparing surface and painting to doors and windows any type (including edges):- 3-coats new surface.	G.Total. 626.99 Sft @ 300.00/Sft	Rs.188097/-
1 x 1 x 20 x 20	= 400 Sft	
Total	= 400 Sft @ 1703.45% Sft	Rs.6814/-
15 Cement plaster 1:4 upto 20' (6.00 m) height:- a) 1/2" (13 mm) thick		
1 x 4 x 31-1/2 x 2	= 252 Sft.	
	= 252 Sft. @ 2102.85% Sft	Rs. 5299/-
	TOTAL	Rs.475583/-
	Add: 3% Contingency	Rs.14267/-
	Say =	Rs. 489900

Sub Engineer


Sub Divisional Officer  
Buildings Sub Division  
Layyah

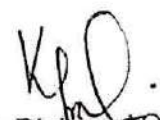
Executive Engineer  
Buildings Division  
Layyah

# DETAILED ESTIMATE FOR SEWERAGE AND WATER SUPPLY.

## GENERAL ABSTRACT OF COST

i) Sewerage System	Rs.529947/-
ii) Water Supply	Rs.237200/-
iii) Tuff Pavers	Rs.911400/-
iv) Street Light	Rs.784200/-
Total	<u>Rs.2462747/-</u>
Say	Rs.2462700/-

  
Sub Engineer


  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

## DETAILED ESTIMATE FOR SEWERAGE SYSTEM

### GENERAL ABSTRACT OF COST

1 Man hole	Rs.409765/-
2 RCC Pipe	
i) 6" dia.	Rs.23220/-
ii) 9" dia,12" dia.	Rs.96962/-
Total =	Rs.529947/-
Say	Rs.529900/-

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah


20 x 2 x 1-1/4 x 0.667 x 0.454 = 15.14 Kgs.  
 Total: - = 389.12 Kg @Rs.15930.80%Kgs Rs.61990/-

9 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.

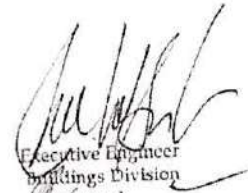
1 x 20

Total: -

= 20.00 No.  
 = 20.00 No. @Rs.3714.00/Each Rs.74280/-  
 G.Total Rs.409765/-

  
 Sub Engineer,


  
 Sub Division Officer  
 Buildings Sub Division  
 Layyah

  
 Executive Engineer  
 Buildings Division  
 Layyah

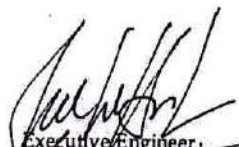


# DETAIL ESTIMATE FOR RCC PIPE 6" DIA

No.	DESCRIPTION	UNIT	AMOUNT
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth  i) 6" dia.  1 x 100 x 1-1/2 x 1-1/2 = 225 Cft. Total: - = 225 Cft. @Rs.6221.15%oCft		Rs.1400/-
2	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.  1 x 100 = 100 Rft. Total: - = 100 Rft. @Rs.214.20/Rft		Rs.21420/-
3	Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel  i) 6" dia.  1 x 100 x 1-1/2 x 1-1/2 = 225 Cft. Total: - = 225 Cft. @Rs.1776.70%oCft		Rs.400/- Rs.23220/-
	<b>G.Total</b>		

  
Sub Engineer,

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah.

# DETAIL ESTIMATE FOR RCC PIPE 9" DIA

No.	DESCRIPTION	UNIT	AMOUNT
-----	-------------	------	--------

1 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-  
i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth


i) 9" dia.	1 x 100	x 2-1/2 x 3	=	750 Cft.	
ii) 12" dia.	1 x 100	x 2-1/2 x 3	=	750 Cft.	
		Total: -	=	1500 Cft. @Rs.6221.15%oCft	Rs.9332/-

2 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) 9" dia.	1 x 100		=	100 Rft.	
		Total: -	=	100 Rft. @Rs.390.10/Rft	Rs.39010/-
ii) 12" dia.	1 x 100		=	100 Rft.	
		Total: -	=	100 Rft. @Rs.459.55/Rft	Rs.45955/-

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

i) 9" dia.	1 x 100	x 2-1/2 x 3	=	750 Cft.	
ii) 12" dia.	1 x 100	x 2-1/2 x 3	=	750 Cft.	
		Total: -	=	1500 Cft. @Rs.1776.70%oCft	Rs.2665/-
				G.Total	Rs.96962/-

  
Sub Engineer,

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

DETAILED ESTIMATE FOR WATER SUPPLY

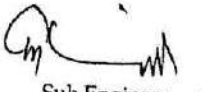
GENERAL ABSTRACT OF COST

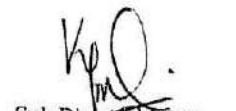
i) PPRC Pipe

i) 25& 32mm" dia.

Total = Rs.237200/-  
Rs.237200/-

Say Rs.237200/-


  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

# DETAIL ESTIMATE FOR PPRC PIPE 25mm & 32mm DIA

No.	DESCRIPTION	UNIT	AMOUNT
	i P/L Polypropylene Random Copolymer (PPRC) pipe with fusion / threaded joints Made (Dadex / Beta / BBJ) complete in all respect. 25 mm dia		
	1 x 2000	= 2000.00 Rft.	
	Total: -	= 2000.00 Rft. @Rs.64.00/Rft	Rs.128000/-
	ii P/L Polypropylene Random Copolymer (PPRC) pipe with fusion / threaded joints Made (Dadex / Beta / BBJ) complete in all respect. 32 mm dia		
	1 x 1200	= 1200.00 Rft.	
	Total: -	= 1200.00 Rft. @Rs.91.00/Rft	Rs.109200/-
		G.Total	Rs.237200/-

  
Sub Engineer,

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah



## DETAILED ESTIMATE OF TUFF PAVERS

MRS, 1st BI-ANNUAL-2021 (1st JANUARY-2021 to 30th JUNE-2021) DISTRICT LAYYAH

1 Excavation in foundation of buildings bridges and other structure i/c dagbelling dressing watering and ramming lead upto one chain and lift upto 5' in ordinary soil.									
	1 x2	x100			=	200 Rft.			
	2 x2	x50			=	200 Rft.			
						400 Rft.			
	1 x2	x400	x2-1/2	x2	=	4000 Cft.			
						4000 Cft. @Rs.7492.30%oCft		Rs.29969/-	
2 Dry rammed brick or stone ballast 1-1/2" to 2" gauge in f & plinth.									
	1 x2	x400	x2-1/2	x 1/2	=	1000 Cft.			
						1000 Cft. @Rs.4051.10%oCft		Rs.40511/-	
3 Filling watering ramming earth under floor with surplus earth from foundation.									
	Take 2/3 Qty as per It.No.1	4000	x 2/3		=	2664 Cft.			
						2664 Cft. @Rs.3583.55%oCft		Rs.9547/-	
ii Filling watering ramming earth in floor with new earth excavated from outside lead upto one mile.									
	1 x2	x100	x10	x1	=	2000 Cft.			
	2 x2	x50	x10	x1	=	2000 Cft.			
					=	4000 Cft.			
	D/d Surplus earth.		(-)		=	2664 Cft.			
						1336 Cft. @Rs.10978.60%oCft		Rs.14667/-	
4 Pacca brick work in 1:6 Cement sand mortar foundation and plinth.									
	1 x2	x400	x1-1/8	x 1/4	=	225 Cft.			
	1 x2	x400	x 3/4	x1-1/2	=	900 Cft.			
						1125 Cft. @Rs.21465.45%oCft		Rs.241486/-	
5 Supplying filling sand under floor or plugging in wells.									
	1 x2	x100	x10	x 1/3	=	666 Cft.			
	2 x2	x50	x10	x 1/3	=	666 Cft.			
						1332 Cft. @Rs.2096.10%oCft		Rs.27920/-	
6 Providing and laying brick or stone ballast 1-1/2" to 2" guage mixed with 25% sand for floor foundation.									
	1 x2	x100	x10	x 1/3	=	666 Cft.			
	2 x2	x50	x10	x 1/3	=	666 Cft.			
						1332 Cft. @Rs.4555.25%oCft		Rs.60676/-	
7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4									
	1 x2	x400	x 3/4	x 1/8	=	75 Cft.			
						75 Cft. @Rs.22784.80%oCft		Rs.17089/-	

8 Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick

1 x 2	x 100	x 10
2 x 2	x 50	x 10

= 2000 Sft.

= 2000 Sft.

4000 Sft. @ Rs.110.75/Sft


Rs.443000/-

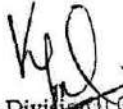
Total Rs.884865/-

Add: 3% Contingency Rs.26546/-

G.Total Rs.911411/-

Say Rs.911400/-

  
Sub Engineer


  
Sub Divisional Officer  
Buildings Sub Division  
Layyah


  
Executive Engineer  
Buildings Division  
Layyah

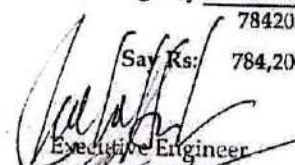
# **DETAIL ESTIMATE OF STREET LIGHT**

S. No.	Description	No	Length	Breadth	Depth	Contents	Amount
1	S/E of Street light pole consisting of G.I pipe 4" dia 15ft long 2.5" dia 6.25" long and 2 Nos pipe 1-1/2" dia jointed with electric welding fixed a height 4" dia about 5" embeded in PCC 1:2:4 etc complete in all respect as approved by the Engineer incharge.	-	-	-	-	10 Nos	
2	Excavation in foundation of buildings bridges etc in ordinary soil.	10 x	2.5 x	2.5 x	1.5 =	94 Cft	704
3	Cement concrete brick or stone ballast 1-1/2" to 2" guage 1:6:12 ratio.	10 x	2.5 x	2.5 x	0.5 =	31 Cft	3567
4	PCC 1:2:4 . Plain cement concrete	10 x	2.5 x	2.5 x	0.5 =	31 Cft	7063
5	S/E of PVC pipe or wing recessed in wall i/c inspection boxes, pull boxes hooks cutting jharies reparing surface complete with all speacials 2" dia.	10 x	75	-	- =	750 Rft	84975
6	S/E of single core PVC insulated PVC sheated copper conductor 250/40 PVC complete in all respect	-	-	-	-	P.Rft	
i)	7/0.036 wire	2 x	10 x	100	- =	2000 Rft	33600
ii)	7/0.044 twin core	2 x	10 x	100	- =	2000 Rft	67400
7	S/E LED HWI 50 Watt LED Highway Light Inspir Pak Light etc complete in all respect as approved by the Engineer Incharge.	-	-	-	-	P.Rft	
8	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 Nos	142560
9	P/F M.S iron box for housing main switch 38x16x8 i/c locking arrangement.	-	-	-	-	Each	61942
10	S/E of iron aluminium clad 500 volts main switch	-	-	-	-	Each	38372
i)	100 Amp Tripple pole.	-	-	-	-	1 Nos	4231
11	S/E of bus bar 500 volts 3-Phase.	-	-	-	-	1 Nos	3141
12	S/E of BDB 6 way 30 Amp per way.	-	-	-	-	1 Nos	1086
13	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core,660/1100 volt non armoured cable:-vi) 7/1.63 mm (7/0.064")	-	-	-	-	300 Rft	81721

Total: 76136  
 Add: 3% Contingency 2284  
 Say Rs: 78420

  
 Sub Engineer

  
 Sub Divisional Officer  
 Buildings Sub Division

  
 Executive Engineer  
 Buildings Division



**ANALYSIS OF RATE FOR SUPPLY AND ERECTION OF STREET LIGHT POLE  
CONSISTING OF G.I PIPE 4"DIA 6'LONG AND WITH REDUCING SOCKET 3"DIA G.I PIPE  
6'LONG AND 2-1/2 DIA 6'LONG WITH REDUCING SOCKET AND BOTTOM M.S SHEET 1-  
1/2X1-1/2X3/8" WITH NUT AND BOLTS WITH BASE COMPLETE 2X2X4' ETC I/C SILVER  
COLOUR PAINTING COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER**

**INCHARGE.**

Unit. = Per Each.

**1 COST OF MATERIAL.**

i	Cost of G.I Pipe 4" dia.	6 Rft @ Rs. 902.40 / Rft	= Rs.5414/-
ii	Cost of G.I Pipe 3" dia.	6 Rft @ Rs. 628.90 / Rft	= Rs.3773/-
iii	Cost of G.I Pipe 2-1/2" dia.	6 Rft @ Rs. 488.55 / Rft	= Rs.2931/-
iv	Cost of M.S Sheet. 1x1x3/8"		
	1x12x3/8x3.40x.454	6.95	
	4x1/2x1/2x6x1/4x3.4x0.454	2.32	
		9.26 Kg @ Rs. 18040.45 %Kg	= Rs.1671/-
v	Cost of PCC 1:2:4 (2x2x4) size.	16 Cft @ Rs.22784.80% Cft	= Rs.3646/-
vi	P/Fixing of J.Board in foundation 3/4" dia 18" long i/c double nut etc.	4 No. @ Rs. 250.00 / Each	= Rs.1000/-
vii	P/Fixing of G.I reducer socket 4"x3", 3x2- 1/2", 2-1/2x1-1/4" etc.	3 No. @ Rs. 400.00 / Each	= Rs.1200/-
viii	Painting of silver colour.	1 No. @ Rs. 500.00 / Each	= Rs.500/-
ix	Supply and erection of street light pole bracket 30 mm (1 1/4") G.I. pipe 2 metre long, complete with 2 No. pole clamp.	1 No. @ Rs. 1600.00 / Each	= Rs.1600/-

**2 COST OF LABOUR CHARGES.**

i	Fixing Charges.		
	Mason. (LB-040)	1/2 Day @ Rs. 848.00/Day	= Rs.424/-
ii	Skilled Labour. (LB-024)	1/2 Day @ Rs. 757.00/Day	= Rs.379/-
iii	Carriage Charges. (Lum Sum)		= Rs.200/-
		Total	= Rs.22738/-
		Rs.3703/-	= Rs.389/-
	Add 20% contractor's profit and OHC	Total	= Rs.23127/-

Say: Rs.23100/-

1- 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, 1st BI-ANNUAL-2021 (1st JANUARY-2021 to 30th JUNE-2021) DISTRICT LAYYAH as such the rate of Rs: 23100/- has been applied after ascertaining it from the markets.

Sub Engineer

Sub Divisional Officer,  
Buildings Sub Division,  
Layyah

Executive Engineer,  
Buildings Division,  
Layyah

# DETAIL OF RECOVERY STATEMENT.

*M.R.S 1st BI-ANNUAL-2021 (1st January-2021 to 30th June-2021) DISTRICT LAYYAH*

1(a) Old kallar eaten Bricks ( unservicable)

Received Qty of items No -1

1212 Cft.

Taken 70% Nos of Bricks

1212 Cft. x 70

x1350

= 11453 No. @ Rs.4500.00%0 No. Rs.51539/-

100

100

2 Old kallar eaten Bricks Batts ( unservicable)

Received Qty of items No above

1212 Cft.

Taken 30%

1212 Cft. x30

= 364 Cft. @ Rs.1050.00%0Cft. Rs.3822/-

100

3 Old wooden Door (Broken and unservicable)

Emergency Block

D5	1 x10	x2-1/2	x7	= 175 Sft.
D5	1 x5	x3	x7	= 105 Sft.
D6	1 x3	x3	x8-1/2	= 77 Sft.
D5A	1 x1	x3	x8-1/2	= 26 Sft.
S.sides N.S Ver	1 x2	x4	x8-1/2	= 68 Sft.
D4	1 x7	x3-1/2	x8-1/2	= 208 Sft.
D2	1 x3	x5	x8-1/2	= 128 Sft.
D6a	1 x2	x3	x8-1/2	= 51 Sft.
Lobby	1 x1	x5	x8-1/2	= 43 Sft.
D3	1 x3	x4	x7	= 84 Sft.

OPD Block

DW1	1 x4	x5	x7	= 140 Sft.
"	1 x4	x4	x7	= 112 Sft.
DW2	1 x2	x4	x7	= 56 Sft.
	1 x2	x1-1/2	x6-1/2	= 20 Sft.
D1	1 x3	x5	x7	= 105 Sft.
D2	1 x3	x4	x7	= 84 Sft.
D3	1 x4	x3	x7	= 84 Sft.
D4	1 x7	x3	x7	= 147 Sft.
D5	1 x7	x3	x7	= 147 Sft.
D6	1 x3	x3	x7	= 63 Sft.
D1	1 x12	x4-1/2	x7	= 378 Sft.
X.ray	1 x1	x4-1/2	x7	= 32 Sft.
Lab	1 x1	x3	x7	= 21 Sft.
Dark room	1 x1	x2-1/2	x7	= 18 Sft.
Toilet door	1 x9	x2-1/2	x7	= 158 Sft.

40 Bedded Ward GF

Link ver.	1 x4	x3-1/2	x7	= 98 Sft.
M.O	1 x1	x3-1/2	x7	= 25 Sft.
	2 x4	x3-1/2	x7	= 196 Sft.
M.O	1 x2	x3-1/2	x7	= 49 Sft.
Toilet.	2 x9	x2-1/2	x7	= 315 Sft.

40 Bedded Ward FF

Link ver.	1 x4	x3-1/2	x7	= 98 Sft.
M.O	1 x1	x3-1/2	x7	= 25 Sft.
	2 x4	x3-1/2	x7	= 196 Sft.
M.O	1 x2	x3-1/2	x7	= 49 Sft.
Toilet.	1 x6	x2-1/2	x7	= 105 Sft.

Total.

= 3686 Sft. @ Rs.250.00/Sft. Rs.921500/-

4 Old Aluminium windows (Broken and unservicable)

Emergency Block

	1 x1	x12	x4	= 48 Sft.
	1 x15	x4	x1-1/2	= 90 Sft.
	1 x1	x7	x4-3/4	= 33 Sft.
	1 x1	x12	x3-3/4	= 45 Sft.
	1 x1	x7-1/2	x3	= 23 Sft.
	1 x2	x7	x3	= 42 Sft.
	1 x1	x12	x4	= 48 Sft.
	1 x10	x4	x4	= 160 Sft.
	1 x1	x6	x1-1/2	= 9 Sft.
	1 x1	x4-3/4	x3-3/4	= 18 Sft.
	1 x1	x4	x3-3/4	= 15 Sft.
	1 x1	x11-7/8	x3-3/4	= 45 Sft.

	1 x1	x4	x5-1/2	=	22 Sft.
	1 x1	x8	x4	=	32 Sft.
	1 x2	x7	x5-1/4	=	74 Sft.
	1 x2	x6-7/8	x5-1/4	=	72 Sft.
OPD Block					
DW1	4	x3-1/4	x8-1/2	=	111 Sft.
W4	10	x4	x5-1/2	=	220 Sft.
W3	6	x6	x5-1/2	=	198 Sft.
HW1	10	x4	x4	=	160 Sft.
W2	1	x8	x11	=	88 Sft.
40 Bedded CF					
	1	x18	x4	x5-1/2	= 396 Sft.
	1	x1	x5	x5-1/2	= 28 Sft.
	1	x4	x4	x4	= 64 Sft.
	1	x4	x3	x8-1/2	= 102 Sft.
40 Bedded FF					
	1	x18	x4	x5-1/2	= 396 Sft.
	1	x1	x5	x5-1/2	= 28 Sft.
	1	x4	x4	x4	= 64 Sft.
	1	x4	x3	x8-1/2	= 102 Sft.
Total.				=	2733 Sft. @ Rs.350.00/Sft. Rs.956550/-

5 Old M.S Flat grill (Broken and unservicable)  
Emergency Block

	1 x1	x12	x4	=	48 Sft.
	1 x15	x4	x1-1/2	=	90 Sft.
	1 x1	x7	x4-3/4	=	33 Sft.
	1 x1	x12	x3-3/4	=	45 Sft.
	1 x1	x7-1/2	x3	=	23 Sft.
	1 x2	x7	x3	=	42 Sft.
	1 x1	x12	x4	=	48 Sft.
	1 x10	x4	x4	=	160 Sft.
	1 x1	x6	x1-1/2	=	9 Sft.
	1 x1	x4-3/4	x3-3/4	=	18 Sft.
	1 x1	x4	x3-3/4	=	15 Sft.
	1 x1	x11-7/8	x3-3/4	=	45 Sft.
	1 x1	x4	x5-1/2	=	22 Sft.
	1 x1	x8	x4	=	32 Sft.
	1 x2	x7	x5-1/4	=	74 Sft.
	1 x2	x6-7/8	x5-1/4	=	72 Sft.

OPD Block					
DW1	4	x3-1/4	x8-1/2	=	111 Sft.
W4	10	x4	x5-1/2	=	220 Sft.
W3	6	x6	x5-1/2	=	198 Sft.
HW1	10	x4	x4	=	160 Sft.
W2	1	x8	x11	=	88 Sft.
	12	x6	x6	=	432 Sft.
	18	x6	x6	=	648 Sft.
	3	x5-3/4	x1-1/2	=	26 Sft.

40 Bedded GF					
	1	x18	x4	x5-1/2	= 396 Sft.
	1	x1	x5	x5-1/2	= 28 Sft.
	1	x4	x4	x4	= 64 Sft.

40 Bedded FF					
	1	x18	x4	x5-1/2	= 396 Sft.
	1	x1	x5	x5-1/2	= 28 Sft.
	1	x4	x4	x4	= 64 Sft.

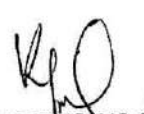
Total. = 3635 Sft. @ Rs.150.00/Sft.

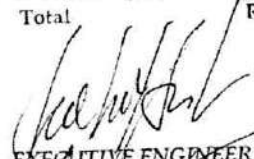
Total

Rs.545250/-

Rs.2478661/-

  
SUB ENGINEER

  
SUB DIVISIONAL OFFICER  
BUILDINGS SUB DIVISION  
LAYYAH

  
EXECUTIVE ENGINEER  
BUILDINGS DIVISION  
LAYYAH



Analysis of rates for non - standardized item "Providing and fitting Commode coupled with flushing cistern (Porta) approved make brand full size l/c double seat and backlit cover etc. complete in all respect as approved by the Engineer Incharge."

Unit = Each

Material

- 1 Glazed earthen ware large size Commode coupled with flushing cistern 3 gallon capacity (Porta).

1

= 1 No  
Total = 1 No

@ 14000.00 Each 14000

- 2 Plastic lead 1/2" dia. 18" long.

1

= 1 No  
Total = 1 No

@ 80.00 Each 80

Total: 14080.00

Labour

- 1 Fixing Charges (L-S)

900.00

Total: 900.00

Grand Total 14980.00

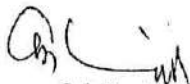
Add 20% profit and overhead charges contractor

2996.00

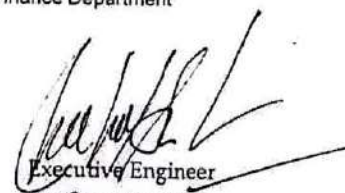
Grand Total 17976.00

Say Rs: 18000.00

1. Certified that rate for Material and Labour items are not available at Web site of Finance Department for the month of 1st Bi-Annual Period 2021

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

ANALYSIS OF RATE FOR Providing and fitting of bath room fitting set Lever Type SONEX/Master/Faisal Best Quality consisting of wall shower, basin mixer Muslim shower with double bib cock 3 No tee stop cock (all cock 1/2" dia.) compete in all respect as approved by the Engineer Incharge.

Unit of Rate = Each

"A" MATERIAL

1. S/o Bath room accessories (Master / Sonex) 7 pieces.

= 1 Set  
@ 16000.00 P Set 16000 /-  
Total "A" = 16000 /-

"B" LABOUR

1. Fixing at site

= L - S 800 /-  
Total = 800 /-  
Total "B" = 800 /-

Total: of (A + B) = 16800 /-


Add 20% (10% Contractor + 10% O.H charges) = 3360.00 /-

G.Total = 20160.00 /-

Say Rs = 20200.00 /- Each

CERTIFICATE

- i. Certified that rates for material and labour are not available on the website of Finance Department for the 1st Biannual 2021 Rates are available in Market.

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

ANALYSIS OF RATE FOR 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.

Unit of Rate = Each

"A" MATERIAL

1. S/o Vanities Porta bowl approved

= 1 Set  
@ 4600.00 P Set 4600 /-

Total "A" = 4600 /-

"B" LABOUR

1. Labour and Material cutting of marble at

= L - S 1000 /-

Total = 1000 /-

Total "B" = 1000 /-

Total: of (A + B) = 5600 /-


Add 20% (10% Contractor + 10% O.H charges ) = 1120.00 /-


G.Total = 6720.00 /-

Say Rs = 6700.00 /- Each

CERTIFICATE

- i. Certified that rates for material and labour are not available on the website of Finance Department for the 1st Biannual 2021 Rates are available in Market.

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all respects as approved by the Engineer incharge.

Unit of Rate = Each

**"A" MATERIAL**

1. (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring

= 1 Set @ 4100.00 P Set 4100 /-  
Total "A" = 4100 /-

**"B" LABOUR**

1. Fixing at site

= L - S 500 /-  
Total = 500 /-  
Total "B" = 500 /-

Total: of (A + B) = 4600 /-


Add 20% (10% Contractor + 10% O.H charges ) = 920.00 /-

G.Total = 5520.00 /-


Say Rs = 5500.00 /- Each

**CERTIFICATE**

- i. Certified that rates for material and labour are not available on the website of Finance Department for the 1st Biannual 2021 Rates are available in Market.

  
Sub Engineer

  
Sub Division Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah



ANALYSIS OF RATE FOR THE ITEM " PROVIDING & LAYING PORCELAIN TILES FLOORING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.


Detail Unit = 10'x10' = 100 Sft


Unit of Rate = P/Sft


S. No.	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT
<b>A</b>	<b>Material</b>				
1	Tile CA(4) 3	100 Sft		1495	
	Add 5% wastage	5 Sft			
		105 Sft	P-Sft	138.94	14589
2	White Cement (06.009)	0.1 Bag	P-Bag	1100.00	110
3	Grey Cement (06.008)	2.16 Bag	P-Bag	.540.00	1166
4	Pigment (10.015)	0.45 Kg	P-Kg	82.00	37
5	Sand (06.007)	5.2 Cft	% Cft	1500.00	78
			<b>Total A</b>		<b>15980</b>
<b>B</b>	<b>Labour</b>				
	Mason (LB-040)	2 Nos	P-Day	848.00	1696
	Un Skilled Cooly (LB-015)	2 Nos	P-Day	673.00	1346
	Bahishti (LB-017)	0.5 Nos	P-Day	692.00	346
			<b>Total B</b>		<b>3388</b>
			<b>T-Total (A+B)</b>		<b>19368</b>
	10 % Sundries Charges				<b>339</b>
	Add 20% contractor profit + OHC				<b>3941</b>
			<b>Total</b>		<b>23648</b>
	Rate Per Sft	23648 /	100	236.4823	
	Say Rs: =			<b>236 P/Sft</b>	

**CERTIFICATE**

- i) certified that input rate of material and labour for item at Sr. No. A, Material 1,2,3,5 and Labour B Are as per input rates displayed on Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021)
- ii) Certified that rates for items at serial No. A Material 4, and C Misc Are not available on the Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021) and as such the rate of Rs. 236/- has been applied after ascertaining it from the markets.

  
Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

ANALYSIS OF RATE FOR THE ITEM " PROVIDING & LAYING PORCELAIN TILES SKIRTING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.

Detail Unit = 10'x10' = 100 Sft

Unit of Rate = P/Sft

S. No.	DESCRIPTION OF ITEM	QUANTITY	UNIT	RATE	AMOUNT
<b>A</b>	<b>Material</b>				
1	Tile CA (4) 3	100 Sft		1495	
	Add 5% wastage	5 Sft			
		105 Sft	P-Sft	138.94	14589
2	White Cement (06.009)	0.1 Bag	P-Bag	1100.00	110
3	Grey Cement (06.008)	2.16 Bag	P-Bag	540.00	1166
4	Pigment (10.015)	0.45 Kg	P-Kg	82.00	37
5	Sand (06.007)	5 Cft	% Cft	1500.00	75
			<b>Total A</b>		<b>15977</b>
<b>B</b>	<b>Labour</b>				
	Mason (LB-040)	2 Nos	P-Day	848.00	1696
	Un Skilled Cooly (LB-015)	2.5 Nos	P-Day	673.00	1682.5
	Bahishti (LB-017)	0.5 Nos	P-Day	692.00	346
			<b>Total B</b>		<b>3724.5</b>
			<b>T-Total (A+B)</b>		<b>19702</b>
	10 % Sundries Charges				372
	Add 20% contractor profit + OHC				4015
			<b>Total</b>		<b>24089</b>
	Rate Per Sft	24089 /	100	240.888	
	Say Rs:	=		<b>241 P/Sft</b>	

**CERTIFICATE**

- i) certified that input rate of material and labour for item at Sr. No. A, Material 1,2,3,5 and Labour B Are as per input rates displayed on Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021)
- ii) Certified that rates for items at serial No. A Material 4, and C Misc Are not available on the Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021) and as such the rate of Rs.241/- has been applied after ascertaining it from the markets.

Engineer

Sub Divisional Officer  
Buildings Sub Division  
Layyah

Executive Engineer  
Buildings Division  
Layyah

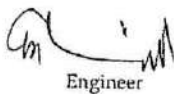


ANALYSIS OF RATE FOR THE ITEM "PROVIDING AND LAYING Ceramic tile size 12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN MATCHING DARK COLORS (GLOSSY/MATT) SP PLN-SB CLASS SB AS PER APPROVED DESIGN & OF APPROVED COLOR AND SHADE LAID OVER 3/4" THICK CEMENT PLASTER 1:2 1/C WHITE CEMENT, PIGMENT AND SEALER FOR FINISHING THE JOINTS 1/C CUTTING GRINDING WHERE NECESSRY COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

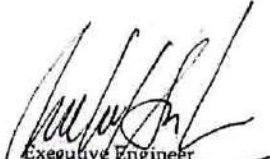
Take 100 Sft for analysis purpose.					
UNIT OF RATE = P-SFT					
Based on 1st Bi-annual 2021					
Sr. No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	CERAMIC TILE 12"x18" SP SREIES) class SB CA 3 (7)	100 Sft		1075	
	ADD 5% WASTAGE	5 Sft			
		<b>105 Sft</b>	P-Sft	100	10500
2	White Cement (06.009)	0.1 Bag	P-Bags	1100.00	110
3	Grey Cement (06.008)	2.16 Bag	P-Bags	540.00	1166
4	Pigment. (10.015)	0.45 Kg	P-Kg	82.00	37
5	Sand (06.007)	5.2 Cft	% Cft	1500.00	78
<b>TOTAL - A</b>					<b>11891.30</b>
<b>B) LABOUR</b>					
	MASON LB-040	2 No.	P-Day	848.00	1696.00
	COOLY (UNSKILLED) LB-015	2 No.	P-Day	673.00	1346.00
	Bahishti LB-017	0.5 No.	P-Day	692.00	346.00
10% SUNDRIES					338.80
<b>TOTAL - B</b>					<b>3726.80</b>
<b>G- TOTAL (A+B)</b>					<b>15618.10</b>
ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					3123.62
<b>OVER ALL TOTAL</b>					<b>18741.72</b>
RATE PER Sft =				187.42	
Say Rs: =				187/- Sft	

**CERTIFICATE**

- Certified that input rate of material and labour for item at Sr. No. CA(2)15, 06.009, 06.008, (10.015), 06.007 and labour rate at Sr. No. LB-040, LB-015 & LB-017 Are as per input rates displayed on Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021).and as such the rate of Rs. 187/- has been applied after ascertaining it from the markets.
- Certified that rates for items at serial No. A Material 4, and C Misc Are not available on the Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021)

  
Engineer

  
Sub Division Officer  
Buildings Sub Division  
Layyah


  
Executive Engineer  
Buildings Division  
Layyah

ANALYSIS OF RATE FOR THE ITEM "PROVIDING AND LAYING Ceramic tile size 12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN MATCHING DARK COLORS (GLOSSY/MATT) SP PLN-SB CLASS SB SKIRTING/DADO AS PER APPROVED DESIGN & OF APPROVED COLOR AND SHADE LAID OVER 1/2" THICK CEMENT PLASTER 1:2 I/C WHITE CEMENT, PIGMENT AND SEALER FOR FINISHING THE JOINTS I/C CUTTING GRINDING WHERE NECESSRY COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Take 100 Sft for analysis purpose.		Based on 1st Bi-annual 2021			
UNIT OF RATE = P-SFT		QUANTITY	UNIT	RATE	AMOUNT
Sr. No.	DESCRIPTION OF ITEMS				
<b>A) MATERIAL.</b>					
1	CERAMIC TILE 12"x18" SP SREIES) class SB CA 3 (7)	100 Sft		1075	
	ADD 5% WASTAGE	5 Sft			
		105 Sft	P-Sft	100	10500
2	White Cement (06.009)	0.1 Bag	P-Bags	1100.00	110
3	Grey Cement (06.008)	2.16 Bag	P-Bags	540.00	1166
4	Pigment. (10.015)	0.45 Kg	P-Kg	82.00	37
5	Sand (06.007)	5.2 Cft	% Cft	1500.00	78
	<b>TOTAL - A</b>				<b>11891.30</b>
<b>B) LABOUR</b>					
	MASON LB-040	2 No.	P-Day	848.00	1696.00
	COOLY (UNSKILLED) LB-015	2.5 No.	P-Day	673.00	1682.50
	Bahishti LB-017	0.5 No.	P-Day	692.00	346.00
	10% SUNDRIES				372.45
	<b>TOTAL - B</b>				<b>4096.95</b>
	<b>G- TOTAL (A+B)</b>				<b>15988.25</b>
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				3197.65
	<b>OVER ALL TOTAL</b>				<b>19185.90</b>
	RATE PER Sft =			191.86	
	Say Rs: =			192/- Sft	

#### CERTIFICATE

- Certified that input rate of material and labour for item at Sr. No. CA(2)15, 06.009, 06.008, (10.015), 06.007 and labour rate at Sr. No. LB-040, LB-015 & LB-017 Are as per input rates displayed on Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021).and as such the rate of Rs. 192/- has been applied after ascertaining it from the markets.
- Certified that rates for items at serial No. A Material 4, and C Misc Are not available on the Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021)

  
Engineer

  
Sub Division Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah



**ANALYSIS OF RATE FOR PROVIDING AND FIXING PVC WALL PANELLING I/C COST OF NAILS "U" TYPE  
MATLEED GOLA BASED ON POLYTHENE SHEET WITH TERMITE PROOFING AND GOLA I/C POLISHING  
ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.**

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
<b>A MATERIAL</b>							
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	
				@	60	P Sft	2393
ii)	Screws/ Nails with rowel plugs				Lum Sum		475
iii)	Spraying of antitermite 2 coats.		2x4		=	8 Sft	
				@	238.3	%Sft	19
iv)	Polythene sheet 500 gauge.				=	38.00 Sft	
				@	460	%Sft	175
i)	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>B LABOUR</b>							
i)	Carpenter				=	0.5	
				@	757	P.Sft	379
ii)	Un-Skilled Coolie.				=	0.75	
				@	692	P.Sft	519
					<b>Total:</b>		<b>4385</b>
	Add 20% Contractor's profit + O.H.C			4191			838
					<b>Total:Rs</b>		<b>5223</b>

$$\text{Rate Per Sft} = \frac{5223}{38} = 137.447$$

Say Rs: = 137

**CERTIFICATE**

- i) Certified that input rate of material and labour for item at Sr. No..... Are as per input rates displayed on Website of Finance Department for the 1st Bi Annual -2021.
- ii) Certified that rates for items at serial No..... Are not available on the Website of Finance Department for the 1st Bi Annual -2021 and as such the rate of Rs. 137/- 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 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.**


Take 100 Sft for analysis purpose.


UNIT OF RATE = P-SFT

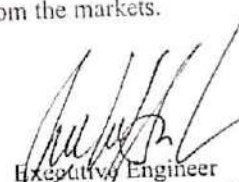
Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Marble tile full width upto 2' 3/4" thick black/dark colour ADD 5% WASTAGE	100 Sft 5 Sft <b>105 Sft</b>	P-Sft	454.00	47670.00
2	White Cement	0.1 Bags	P-Bags	1100.00	110.00
3	Sand	5.2 Cft	%Cft	1500.00	78.00
4	Grey cement	2.16 Bags	P-Bag	540.00	1166.40
5	Rubbing & polishing complete	100 Sft	% Sft	25.00	25.00
6	Pigment.	0.45 Kg	P-Kg	82.00	36.9
				<b>TOTAL - A</b>	<b>49086.30</b>
<b>B) LABOUR</b>					
	MASON	1 Nos	P-DAY	848	848.00
	Cooly Un-skilled (all types)	2 Nos	P-DAY	673	1346.00
	Bahishti	0.34 No	P-DAY	692	235.28
	10% SUNDRIES				158.13
				<b>TOTAL - B</b>	<b>2587.41</b>
				<b>G- TOTAL (A+B)</b>	<b>51673.71</b>
					10335
					<b>62008.71</b>
				ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES	
				<b>OVER ALL TOTAL</b>	
				RATE PER Sft = $\frac{62008.71}{100}$	
				Say Rs:= 620.1	
				<b>620/- Sft</b>	

**CERTIFICATE**

i) Certified that input rate of material and labour for item at Sr. No.06.009, 06.008, (10.015), 06.007 and labour rate at Sr. No. LB-040, LB-015 & LB-017 Are as per input rates displayed on Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021) District Layyah as such the rate of **Rs: 620/-** 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 P/F BEST QUALITY FANCY DOOR HANDLE LOCK AS APPROVED  
BY THE ENGINEER INCHARGE WITH 5" MACHINE (IMPORTED QUALITY)

DETAIL OF COST - I-NO.

UNIT = EACH

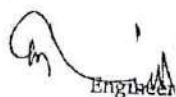
2nd Bi-Annual 2020

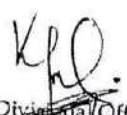
Sr.	Item	Qty	Unit	Rate	Amount
A	Material				
1	DOOR HANDLE LOCK	1 No	Each	1980	1980
				Total "A"	1980
B	Labour				
1	Labour for fixing.				95
				Total "B"	95
C	Miscellance				
1	Sundries Charges.				8.50
				Total "C"	8.50
				Total Cost = "A" + "B" + "C" =	2083.50
	Add 20% Contractor's Profit) on Rs.	2084/-			416.7
				Grand Total: =	2500.20


Unit Rate P Sft = 2500.2

2500 Each

SAY 2500

  
Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

# **ANALYSIS OF RATE FOR THE ITEM**

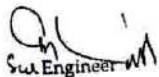
Providing And Laying Non-Skid Chequered tiles of approved color and shade laid over 3/4" thick cement 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary, Complete In All Respects And As Approved By The Engineer Incharge

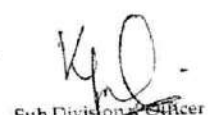
Take 100 Sft for analysis purpose.  
UNIT OF RATE = P-SFT


Sr. No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Non-Slippery Tile 12"x12"	100 Sft		847	
	ADD 5% WASTAGE	5 Sft			
		105 Sft	P-Sft	78.69	8262.34
2	White Cement (06.009)	0.1 Bag	P-Bag	1100	110.00
3	Grey Cement (06.008)	2.16 Bag	P-Bag	540	1166.40
4	Pigment. (10.015)	0.3 Kg	P-Kg	82	24.60
5	Sand (06.007)	5 Cft	% Cft	1500	75.00
<b>TOTAL - A</b>					9638.34
<b>B) LABOUR</b>					
i)	MASON (LB-040)	1.95 Nos	P-Day	848.00	1653.60
ii)	COOLY (SKILLED) (LB-024)	3.9 Nos	P-Day	673.00	2624.70
iii)	Bahishti (LB-017)	0.5 No	P-Day	692.00	346.00
10% SUNDRIES					462.43
<b>TOTAL - B</b>					5086.73
<b>G- TOTAL (A+B)</b>					14725.07
ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					2945.01
<b>OVER ALL TOTAL</b>					17670.08
RATE PER Sft =				176.70	
Say Rs: =				177/- P. Sft	

## **CERTIFICATE**

- Certified that input rate of material and labour for item at Sr. No. 06.009, 06.008, (10.015), 06.007 and labour rate at Sr. No. LB-040, LB-015 & LB-017 Are as per input rates displayed on Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021).and as such the rate of Rs. 177/- has been applied after ascertaining it from the markets.
- Certified that rates for items at serial No. A Material 4, and C Misc Are not available on the Website of Finance Department for the 1st Bi-Annual Period 2021 (1st Jan 2021 to 30th July 2021)

  
Sub Engineer

  
Sub Division Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

# ANALYSIS OF RATE FOR THE ITEM

Supply & Installation of Phillips, LED Light 24"x24" (RC 099v LED 36S / 865 W 60L60 GM) in False Ceiling of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

Detail of Cost=1-No.

Unit = Each

Based on 1st Bi-annual 2021

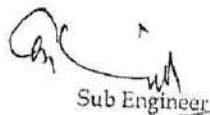
A Material						
1	Phillips, LED Light 24"x24" (RC 099v LED 36S / 865 W 60L60 GM)	1	No	Each	11500	11500
Total "A"					11500	

B Labour						
1	Labour for fixing / installation.	1	No	Each	25	25
Total "B"					25	
Total Cost = "A" + "B" =					11525	
	Add 20% Contractor's Profit & Overhead charges on Rs.	11525/-				2305
Grand Total: =					13830	


Unit Rate P Sft = 13830 / 1

13830 Each

SAY 13830 Each

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah



# **RATE ANALYSIS FOR**

**Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg 1/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge**

Unit = P.Rft  
Taking = 04-Rft

Based on 1st Bi-annual 2021

Sr. No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL</b>					
1	P /O Stainless Steel Sheet 20-SWG	4x5/12	1.67 Sft 0.08 Sft		
	Add 5% Wastage		1.75 Sft	P.Sft	450.00
2	Cost of Rowel Plugs	1x18	18 Nos		788
			18 Nos	Each	2.00
3	Cost of Stainless Sankan Head Screws 1-1/2" Long	1x8	8 Nos		36
			8 Nos	Each	4.00
	<b>TOTAL - A</b>				<b>855.50</b>
<b>B) LABOUR</b>					
	i) Labour For Cutting Strip	2 No.	Each	15	30.00
	ii) Labour for Bending Strip	1 No.	(L.S)	25	25.00
	iii) Labour for drilling Hole	8 No.	(L.S)	10	80.00
	iv) Labour for fixing Each angle	1 No.	(L.S)	10	10.00
	10% SUNDRIES				14.50
	<b>TOTAL - B</b>				<b>159.50</b>
	<b>G- TOTAL (A+B)</b>				<b>1015.00</b>
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				203
	<b>OVER ALL TOTAL</b>				<b>1218.00</b>
	<b>RATE PER Rft =</b>			304.50	
	<b>Say Rs: =</b>			305/- P. Rft	

Sub Engineer

Sub Divisional Officer  
Buildings Sub Division  
Layyah

Executive Engineer  
Buildings Division  
Layyah

## Analysis of Rate

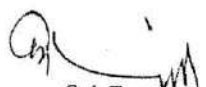
Making And Fixing Looking Glass 5mm Thick Belgium Or Equivalent 8'-0"X2'0" In Aluminum Frame 50x20mm (2"X3/4") Back Covered With Hard Broad Including Termite Proofing And Polythene Sheet Of Approved Color And Design Compete In All Respect As Approved By Engineer Incharge

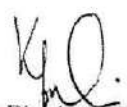
Unit of Rate ----- P.SFT

Analysis of Rate 8'x2'

1st Bi-Annual 2021

1	Aluminum frame 100x20mm (2"x3/4")				
	Item No 25.050 at P.No 49/110	=	20 Rft @	80 P.Rft	1600
2	Mirror 5mm thick belgium or Equivalent				
	8'X2'=16' Sft	=	16 Sft @	100 P.Sft	1600
3	Hard Broad				
	Item No.12.130 at P.No.9/110	=	16 Sft @	15 P.Sft	240
4	Polythen sheet 500 Guage	=	16 Sft @	4.7 P.Sft	75.2
5	Termite Proofing Lumpsum	=	16 Sft @	6 P.Sft	96
6	Screws / Clamps	=	6 No. @	25 Each	150
7	Labour charges for Cutting & Fixing of Looking Glass at site of work	=	1 Job @	300 P.Job	300
<b>Total</b>					<b>4061</b>
Add 20% Contractor Profit + OHC					812
<b>Total Rs:</b>					<b>4873</b>
<b>Total Rs:</b>					<b>305</b>
<b>Say Rs:</b>					<b>300 /- P.Sft</b>

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

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


Take 10 Sft for analysis purpose.

UNIT OF RATE = P.Sft

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Cost of X-ray Lead Sheet Rolled	10 Sft	P.Sft	415.00	4150.00
				<b>TOTAL - A</b>	<b>4150.00</b>
<b>B) LABOUR</b>					
	Fixing & Carriage Charges				500.00
	10% SUNDRIES				50.00
				<b>TOTAL - B</b>	<b>550.00</b>
<b>G- TOTAL (A+B)</b>					<b>4700.00</b>
ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					940
<b>OVER ALL TOTAL</b>					<b>5640.00</b>
RATE PER EACH = $\frac{5640}{10}$				564.0	
Say Rs:				564/-	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 2021 PERIOD (1st JANUARY, 2021 TO 30th JUNE, 2021) DISTRICT LAYYAH as such the rate of Rs: 564/- has been applied after ascertaining it from the markets.

  
Sub Engineer


  
Sub Divisional Officer  
Buildings Sub Division  
Layyah


  
Executive Engineer  
Buildings Division  
Layyah

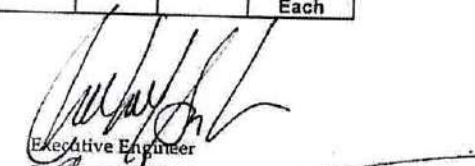


ANALYSIS OF RATE FOR: PROVIDING AND FIXING AT SITE OF EXHAUST FAN 12" SWEEP  
(DOUBLE ACTION AND PLASTIC BODY) MADE OF PAKI YOUNAS/ GFC OR EQUALIVENT  
APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING  
ROSE AND SHUTTER COMPLETE

		(Unit Rate = Each)			
Sr. No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>Material</b>					
1	Exhaust Fan	1 No	Each	2100.00	2100
				Total	2100
	Add 20% Contractor Profit and Overhead Charges				420
				Total (A)	2520
<b>Labour Charges</b>					
1	Electrician LB-035	0.25 Nos	P-Day	757.00	189.25
2	Cooly (Helper) LB-061	0.25 Nos	P-Day	673.00	168.25
				Total	357.5
	Add 10% Sundries				35.75
				Total (A)	393.25
	Add 20% Contractor Profit and Overhead Charges				78.65
				Total (A)	471.9
<b>Item Rate</b>					
1	Material Rate Per Unit				2520.00
2	Labour Rate Per Unit				47.19
	Composite Rate Per Unit				2567.19
	Say Rs.				2570.00
					Each

  
Sub Engineer


  
Sub Divisional Officer  
Buildings Sub Division  
Layyah


  
Executive Engineer  
Buildings Division  
Layyah


**ANALYSIS OF RATE FOR: PROVIDING AND FIXING AT SITE OF BRACKET FAN 18" SWEEP  
MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY  
CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE**

(Unit Rate = Each)

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b><u>Material</u></b>					
1	Bracket Fan	1 No	Each	2900.00	2900
2	Wire		LS		150
				Total	3050
	Add 20% Contractor Profit and Overhead Charges				610
				Total (A)	3660
<b><u>Labour Charges</u></b>					
1	Electrician LB-035	0.13 Nos	P-Day	757.00	98.41
2	Cooly (Helper) LB-061	0.13 Nos	P-Day	673.00	87.49
				Total	185.9
	Add 10% Sundries				18.59
				Total (A)	204.49
	Add 20% Contractor Profit and Overhead Charges				40.9
				Total (A)	245.39
<b><u>Item Rate</u></b>					
1	Material Rate Per Unit				3660.00
2	Labour Rate Per Unit				24.54
	Composite Rate Per Unit				3684.54
	Say Rs.				3700.00
					Each

  
Sub Engineer

  
Sub Divisional Officer  
Building Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

# ARFA CHEMICALS (Pvt) Ltd.

Head Office: 2<sup>nd</sup> Floor, Royal Mall, Bahria Town, Islamabad

Contact: +92 306 630 7161

Email Address: arfa.chemicals@gmail.com

Date: \_\_\_\_\_

Date: Oct, 18th 2020

Subject: Quotation for waterproofing of washrooms:

Dear Sir,  
With reference to our meeting about waterproofing of Washrooms. We are pleased to quote our best discounted prices for required chemicals.

Suggested Process:

Step 1:

First of all cleaning and chipping

Step 2:

Then using ultronic powder 2000

Step 3:

After this, we use a SBR latex and cement.

Step 4:

After this, we apply first and second coating of ultra seal.

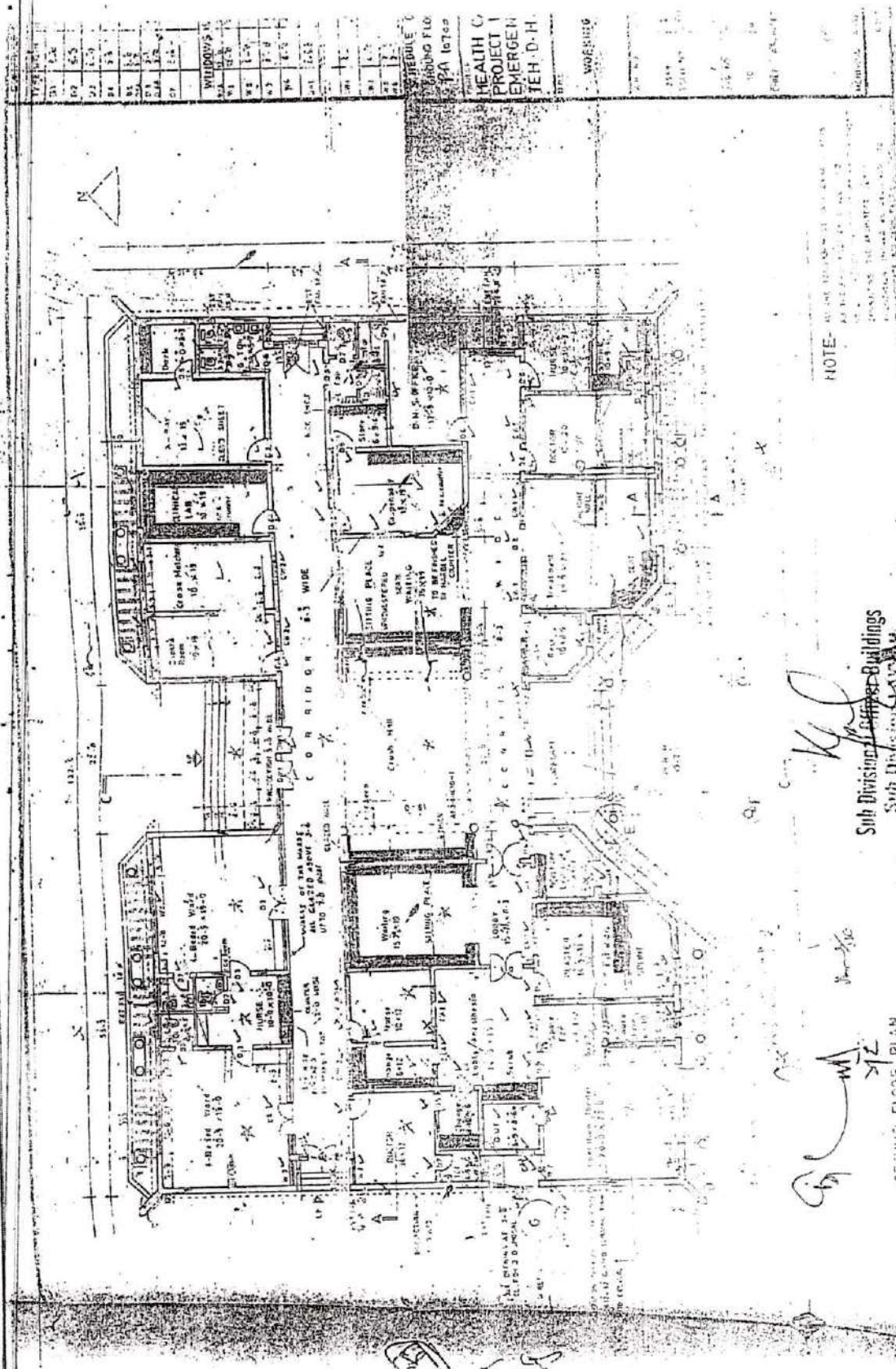
Product: Ultra SBR Latex

Product: Ultra Seal Grey

Packing: 10-kg pack

Application Prices: Rs. 42/Sft. (with apply and supply)



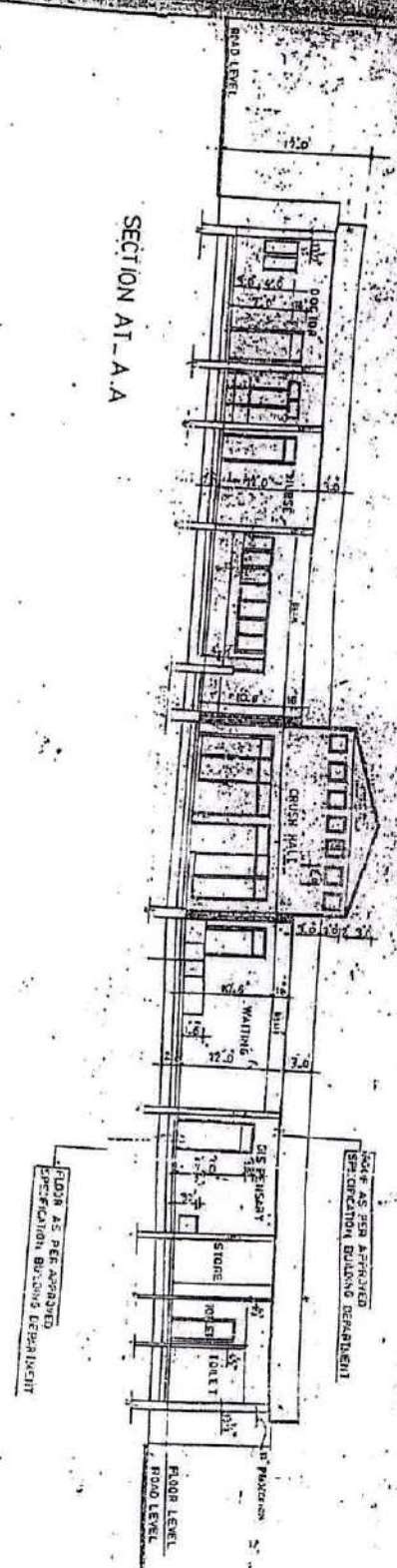


NOTE-

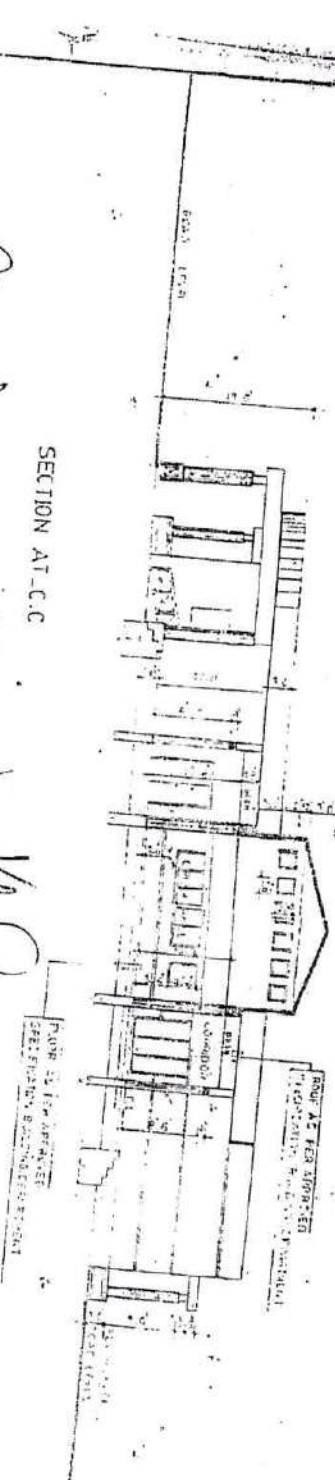
Sub Division of Buildings  
Sub Division of Buildings

GROUND FLOOR PLAN

SECTION AT-A.A



SECTION AT-C.C



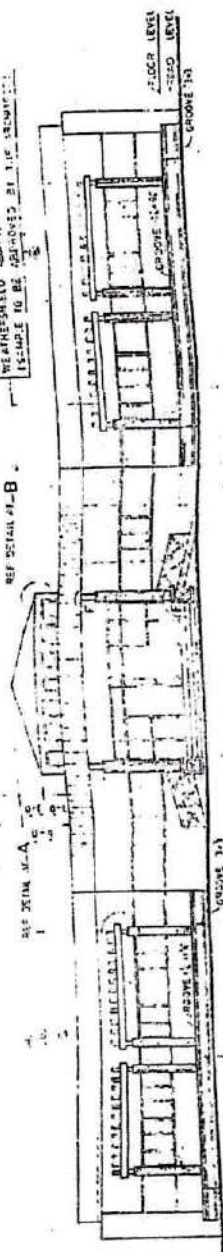
Sub Division Engineer Buildings  
Sub Division LAYYAH



FIGURE 1-1

PERCLOS AND CLIMBING TO BE FINISH IN WEATHERED STEEL PLATE TO BE APPROVED BY THE ARCHITECT

REF DETAIL 1-B

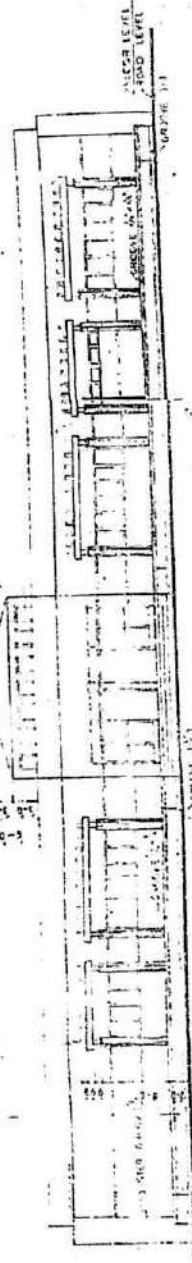


FRONT ELEVATION

AT INTERIOR, SURFACE SHOULD BE FINISH IN WEATHERED STEEL PLATE TO BE APPROVED BY THE ARCHITECT

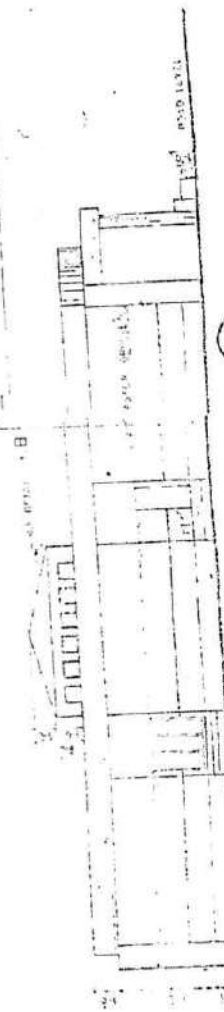
PERCLOS AND CLIMBING TO BE FINISH IN WEATHERED STEEL PLATE TO BE APPROVED BY THE ARCHITECT

REF DETAIL 1-B



REAR ELEVATION

AT INTERIOR, SURFACE SHOULD BE FINISH IN WEATHERED STEEL PLATE TO BE APPROVED BY THE ARCHITECT



LEFT SIDE ELEVATION

11-8-11

Handwritten signature and initials.

Sub Divisional Engineer Buildings  
Sub Divisional Engineer

Handwritten signature.

HEALTH CARE D.  
PROJECT IN PUN  
EMERGENCY / A  
TER/D HQ. HQ.

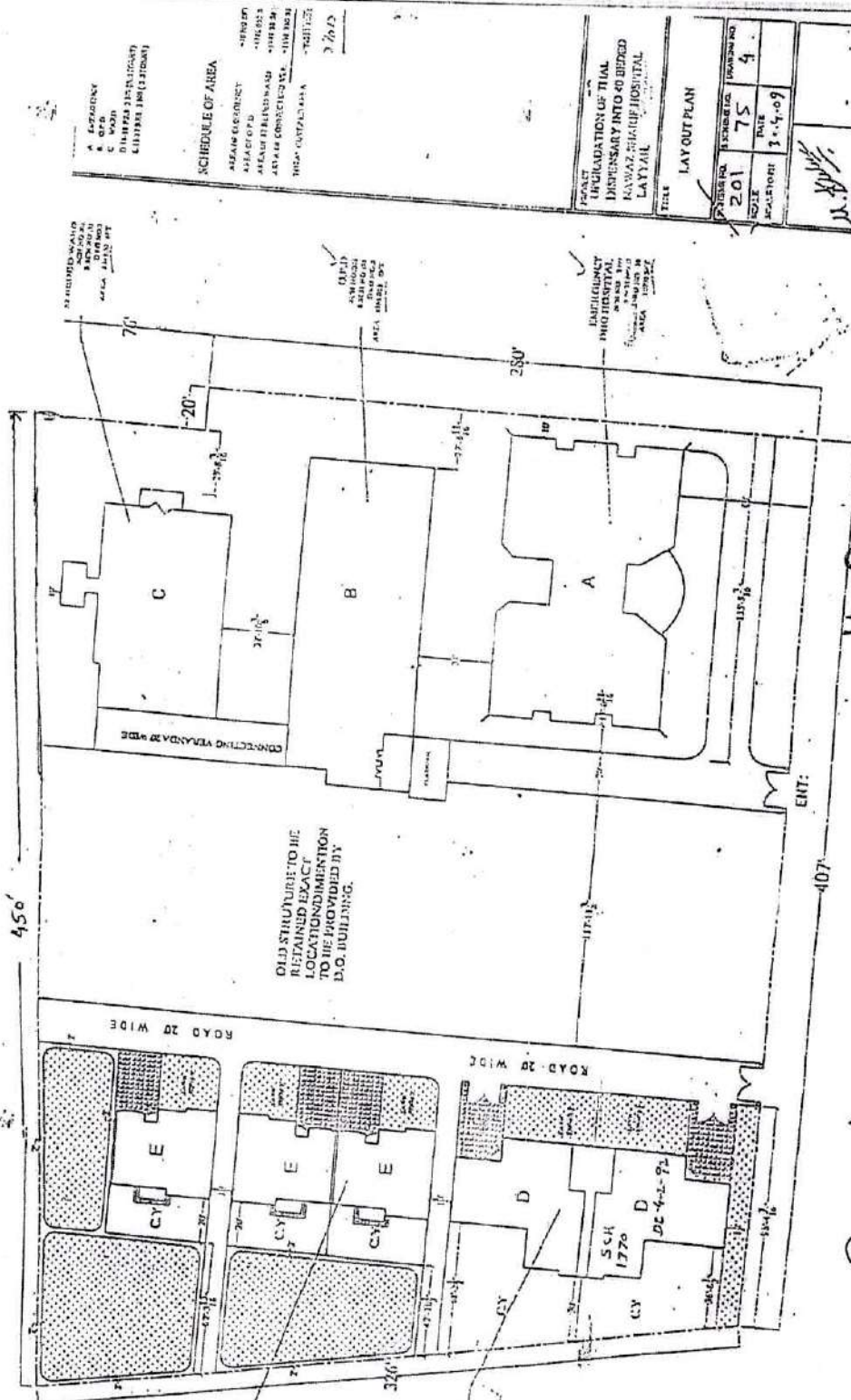
ELEVATIONS

NO.	DATE	REVISION
1	11-8-11	1
2	11-8-11	2
3	11-8-11	3
4	11-8-11	4
5	11-8-11	5
6	11-8-11	6
7	11-8-11	7
8	11-8-11	8
9	11-8-11	9
10	11-8-11	10

ARCHITECTURE

NAME OF THE OWNER





**SCHEDULE OF AREA**

AREA NO.	DESCRIPTION	AREA (SQ. FT.)	AREA (SQ. YD.)
1	ENTRANCE	100	11.3
2	OFFICE	200	22.7
3	LABORATORY	300	34.1
4	STORAGE	400	45.4
5	RESTROOM	50	5.8
6	TOILET	20	2.3
7	ENTRY	10	1.1
8	STAIR	10	1.1
9	LOBBY	100	11.3
10	REAR	100	11.3
11	ROOF	100	11.3
12	LANDSCAPE	100	11.3
13	DRIVEWAY	100	11.3
14	PARKING	100	11.3
15	WATER	100	11.3
16	SEWER	100	11.3
17	UTILITY	100	11.3
18	STREET	100	11.3
19	ALLEY	100	11.3
20	YARD	100	11.3
21	PLANT	100	11.3
22	WATER	100	11.3
23	SEWER	100	11.3
24	UTILITY	100	11.3
25	STREET	100	11.3
26	ALLEY	100	11.3
27	YARD	100	11.3
28	PLANT	100	11.3
29	WATER	100	11.3
30	SEWER	100	11.3
31	UTILITY	100	11.3
32	STREET	100	11.3
33	ALLEY	100	11.3
34	YARD	100	11.3
35	PLANT	100	11.3
36	WATER	100	11.3
37	SEWER	100	11.3
38	UTILITY	100	11.3
39	STREET	100	11.3
40	ALLEY	100	11.3
41	YARD	100	11.3
42	PLANT	100	11.3
43	WATER	100	11.3
44	SEWER	100	11.3
45	UTILITY	100	11.3
46	STREET	100	11.3
47	ALLEY	100	11.3
48	YARD	100	11.3
49	PLANT	100	11.3
50	WATER	100	11.3
51	SEWER	100	11.3
52	UTILITY	100	11.3
53	STREET	100	11.3
54	ALLEY	100	11.3
55	YARD	100	11.3
56	PLANT	100	11.3
57	WATER	100	11.3
58	SEWER	100	11.3
59	UTILITY	100	11.3
60	STREET	100	11.3
61	ALLEY	100	11.3
62	YARD	100	11.3
63	PLANT	100	11.3
64	WATER	100	11.3
65	SEWER	100	11.3
66	UTILITY	100	11.3
67	STREET	100	11.3
68	ALLEY	100	11.3
69	YARD	100	11.3
70	PLANT	100	11.3
71	WATER	100	11.3
72	SEWER	100	11.3
73	UTILITY	100	11.3
74	STREET	100	11.3
75	ALLEY	100	11.3
76	YARD	100	11.3
77	PLANT	100	11.3
78	WATER	100	11.3
79	SEWER	100	11.3
80	UTILITY	100	11.3
81	STREET	100	11.3
82	ALLEY	100	11.3
83	YARD	100	11.3
84	PLANT	100	11.3
85	WATER	100	11.3
86	SEWER	100	11.3
87	UTILITY	100	11.3
88	STREET	100	11.3
89	ALLEY	100	11.3
90	YARD	100	11.3
91	PLANT	100	11.3
92	WATER	100	11.3
93	SEWER	100	11.3
94	UTILITY	100	11.3
95	STREET	100	11.3
96	ALLEY	100	11.3
97	YARD	100	11.3
98	PLANT	100	11.3
99	WATER	100	11.3
100	SEWER	100	11.3

**LAYOUT PLAN**

NO.	DATE	SCALE	BY	CHKD.
201	75	4		
202	75	4		
203	75	4		
204	75	4		
205	75	4		
206	75	4		
207	75	4		
208	75	4		
209	75	4		
210	75	4		
211	75	4		
212	75	4		
213	75	4		
214	75	4		
215	75	4		
216	75	4		
217	75	4		
218	75	4		
219	75	4		
220	75	4		
221	75	4		
222	75	4		
223	75	4		
224	75	4		
225	75	4		
226	75	4		
227	75	4		
228	75	4		
229	75	4		
230	75	4		
231	75	4		
232	75	4		
233	75	4		
234	75	4		
235	75	4		
236	75	4		
237	75	4		
238	75	4		
239	75	4		
240	75	4		
241	75	4		
242	75	4		
243	75	4		
244	75	4		
245	75	4		
246	75	4		
247	75	4		
248	75	4		
249	75	4		
250	75	4		
251	75	4		
252	75	4		
253	75	4		
254	75	4		
255	75	4		
256	75	4		
257	75	4		
258	75	4		
259	75	4		
260	75	4		
261	75	4		
262	75	4		
263	75	4		
264	75	4		
265	75	4		
266	75	4		
267	75	4		
268	75	4		
269	75	4		
270	75	4		
271	75	4		
272	75	4		
273	75	4		
274	75	4		
275	75	4		
276	75	4		
277	75	4		
278	75	4		
279	75	4		
280	75	4		
281	75	4		
282	75	4		
283	75	4		
284	75	4		
285	75	4		
286	75	4		
287	75	4		
288	75	4		
289	75	4		
290	75	4		
291	75	4		
292	75	4		
293	75	4		
294	75	4		
295	75	4		
296	75	4		
297	75	4		
298	75	4		
299	75	4		
300	75	4		

**PROJECT INFORMATION**

INCORPORATION OF TIAL  
INCORPORATION INTO 40 BEDD  
KAWAIA HOSPITAL  
LAYOUT

**DESIGNER**  
M. J. J. J.

**DATE**  
11/1/75

**SCALE**  
1" = 4'-0"

**BY**  
M. J. J. J.

**CHKD.**  
M. J. J. J.

**APPROVED**  
M. J. J. J.

**REVISIONS**

**REVISION NO.**

**DATE**

**DESCRIPTION**

**BY**

**CHKD.**

**APPROVED**

**REVISION NO.**

**DATE**

**DESCRIPTION**

**BY**

**CHKD.**

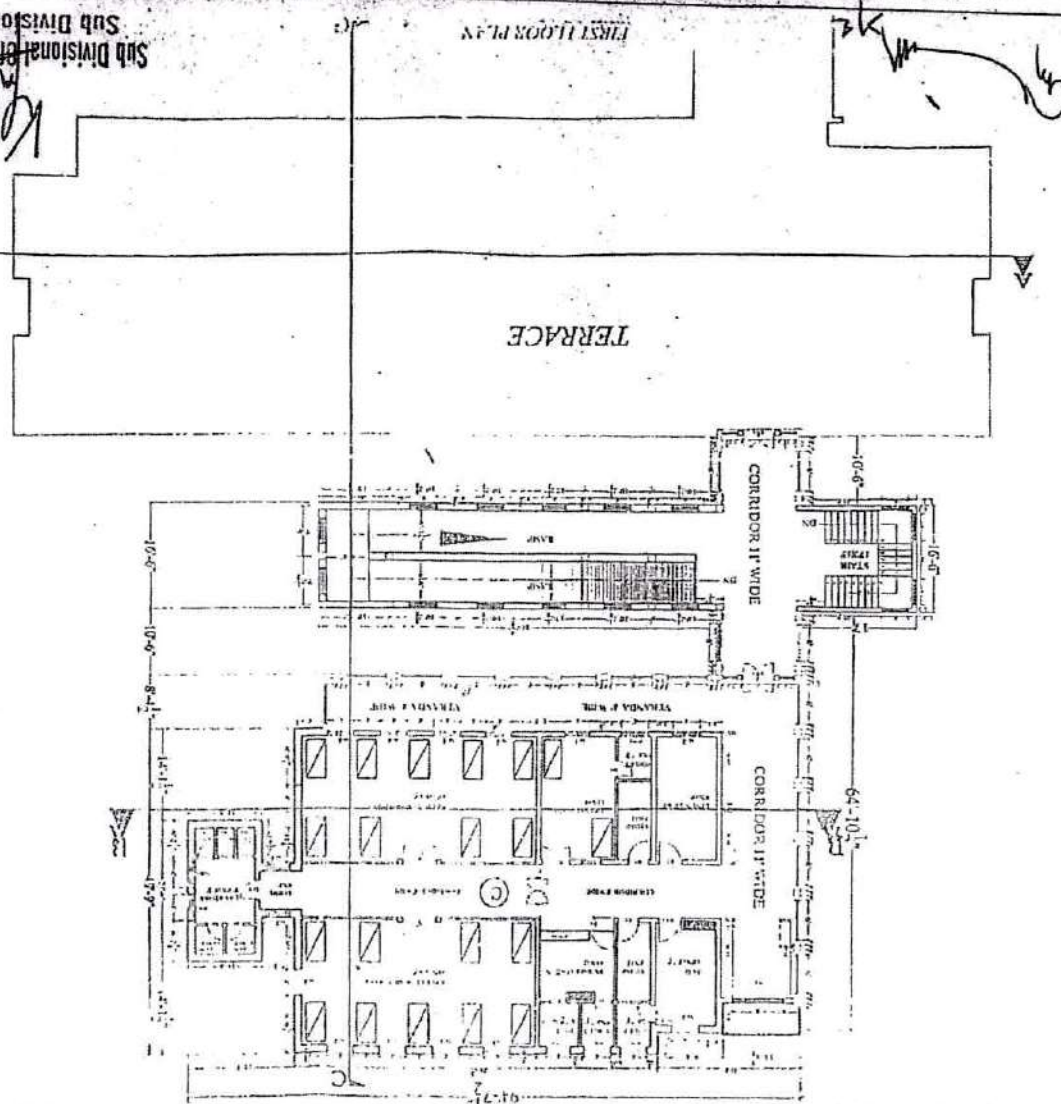
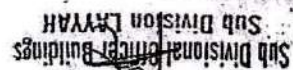
**APPROVED**

Sub Division Buildings  
Sub Division LAYDAH





Page 250



3-DO. - large.

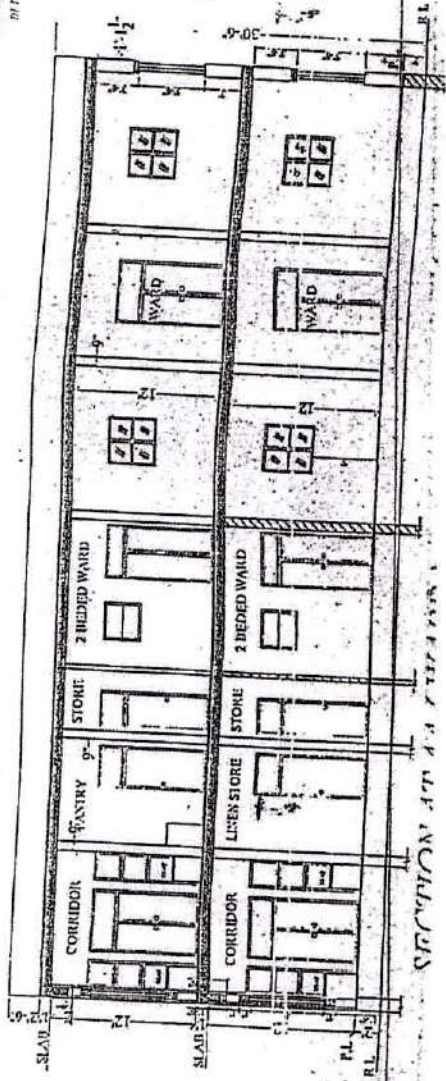
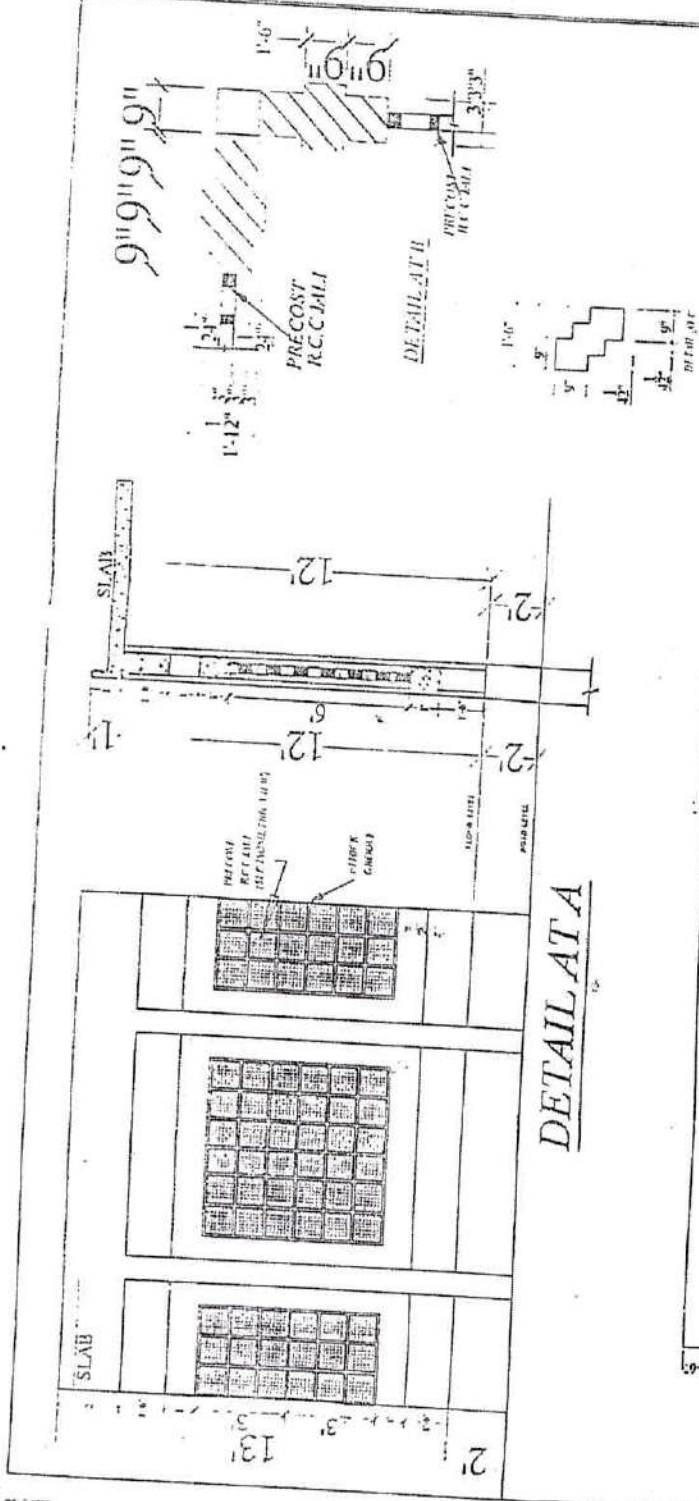




REPORT	FUGED AND KENOSAS DRUG HOSPITAL LATTIM	
FILE	WORKING DRAWING SECTION & DETAIL	
SERIAL NO	202	DRAWING NO
SCALE	1/8"	12 09
HOUSE TO FIT		DATE
		19-12-2009
<i>[Signature]</i>		SEARCHED INDEXED SERIALIZED FILED
		FBI - MEMPHIS
		<i>am. vbf</i>
		MICHAEL J. [illegible]

Sub Divisional Officer Buildings  
Sub Division LAYYAH

5-12



50 Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-a) 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")

1 x5 x300

Total

= 1500 Rft.

= 1500 Rft.

@Rs.12.50/Rft

Rs. 18750/-

iii) 7/0.74 mm (7/0.029")

1 x5 x200

Total

= 1000 Rft.

= 1000 Rft.

@Rs.16.80/Rft

Rs. 16800/-

v) 7/1.12 mm (7/0.044")

1 x5 x250

Total

= 1250 Rft.

= 1250 Rft.

@Rs.33.30/Rft

Rs. 41625/-

viii) 19/1.63 mm (19/0.064")

1 x5 x225

Total

= 1125 Rft.

= 1125 Rft.

@Rs.172.45/Rft

Rs. 194006/-

51 PROVIDING AND FIXING AT SITE OF EXHAUST FAN 12" SWEEP (DOUBLE ACTION AND PLASTIC BODY) MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x10

= 10 No.

Total = 10 No.

@Rs.2570.00/Each

Rs. 25700/-

52 PROVIDING AND FIXING AT SITE OF BRACKET FAN 18" SWEEP MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x20

= 20 No.

Total = 20 No.

@Rs.3700.00/Each

Rs. 74000/-

53 Providing and fixing of China Sheet Hilife/Bush Switch 1G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x50

= 50 No.

Total = 50 No.

@Rs.540.00/Each

Rs. 27000/-

54 Providing and fixing of China Sheet Hilife/Bush Switch 3G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x50

= 50 No.

Total = 50 No.

@Rs.780.00/Each

Rs. 39000/-

55 Providing and fixing of China Sheet Hilife/Bush Switch 6G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x50

= 50 No.

Total = 50 No.

@Rs.1254.00/Each


Rs. 62700/-



56 Providing and fixing of China Sheet Hillife/Bush  
Switch 8G +1 Socket 10AMP etc complete in all  
respect as approved by the Engineer Incharge.

1 x50

	=	50 No.	
Total	=	50 No.	
@Rs.1602.00/Each			Rs. 80100/-
Total			Rs. 13577000/-
Add: 3% Contingency			Rs. 407310/-
G.Total			Rs. 13984310/-

  
Sub Engineer,

  
Sub Divisional Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah.

## ~~REvised~~ DETAILED ESTIMATE FOR EMERGENCY/FIRE ALARM SYSTEM

### 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/-

### 3 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  
1 x (30)

Total = 30 No  
30 No @ 1338.00/Each Rs.40140/-

### 4 Non Addressable Manual Call Point With LED

#### Features:

- Pressure activated displacement element provides a safe user experience
- Integral alarm indicator available
- Resettable with simple key operation
- Suitable for indoor use
- Wide operating voltage range
- Compatible with 2-wire and 4-wire fire detection and alarm systems
- Low maintenance

MAKE: Numens or available brand  
1 x (6)

Total = 6 No.  
6 No. @ 4800.00/Each Rs.28800/-

### 5 Non Addressable Sounder

#### Features:

- Red or white body available for audible alarm device
- Operates when the supply voltage is connected to the device
- 04 No 3,500/- 14,000/-
- Compatible with relay outputs from control and indicating equipment, or from an output module connected to addressable alarm circuit wiring
- DC 24 V operation
- Loud sounder output of 85 dB at 1 m
- Zero current load in quiescent condition
- Low maintenance

MAKE: Numens or available brand  
1 x (6)

Total = 6 No.  
6 No. @ 4800.00/Each Rs.28800/-

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

1 x (6)

Total = 6 No.  
6 No. @ 2010.00/Each Rs.12060/-

### 7 Wiring

Supply & 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, complete in all respects.


1 x (2000)


Total = 3000 Rft  
3000 Rft @ 108.00/Rft Rs.324000/-


8 Panasonic Programming, Testing &  
Commissioning Charges  
1 x (1 )

Total = 1 job  
1 job @ 120000.00/Each Rs.120000/-  
Total Rs.853350/-

Say Rs.853350/-

  
Sub Engineer,

  
Sub Division Officer  
Building Sub Division  
Lagya

  
Executive Engineer  
Buildings Division  
Lagya





Deals in: All kinds of Security Equipments & Construction

STRN #: 3277876137220

NTN : 2976175-1

Ref #:

Dated:

To,

22-02-2021

Sub Engineer Building,

Thal Hospital, LAYYAH.

**Subject: QUOTATION FOR FIRE ALARM SYSTEM OPD BLOCK**

Sr. No	Job Description	Qty.	Rate	Total Price
1.	<b>Non Addressable 4 to 8 Zone Fire Alarm Control Panel</b>  <b>Features:</b> <ul style="list-style-type: none"><li>• Advanced algorithms provide analogue detection discrimination</li><li>• Surface-mount device (SMD) circuit board design</li><li>• High immunity against unwanted alarms</li><li>• Stable smoke sensing chamber. No adjustment or replacement required</li><li>• Sleek low-profile housing design</li><li>• Dual LEDs for 360° visibility</li><li>• DC 24 V operation</li><li>• Convenient 2-wire connection</li><li>• Easy installation with simple address setting DIP switches</li><li>• Available with 125 usable detector address settings per loop when connected to Numen's control and indicating equipment</li><li>• Optional remote LED output</li><li>• Low maintenance</li></ul> <b>MAKE: UK/Taiwan/ATEK.</b>	01 No	115,000/-	115,000/-

Off# 33-A, Aitchison Housing Co-Operative  
Society, Raiwind Road, Lahore.  
Cell:0302-4595825, 0304-4301779





Deals in: All kinds of Security Equipments & Construction

STRN #: 3277876137220

NTN : 2976175-1

Ref #:

Dated:

2.	<b>Non Addressable Heat /Smoke Detector</b>  <b>Features:</b> <ul style="list-style-type: none"> <li>Advanced algorithms provide analogue detection discrimination</li> <li>Advanced algorithms provide analogue detection discrimination</li> <li>Surface-mount device (SMD) circuit board design</li> <li>High immunity against unwanted alarms</li> <li>Stable smoke sensing chamber. No adjustment or replacement required</li> <li>2-wire and 4-wire models for DC 12 V and DC 24 V operation</li> <li>2-wire models available with remote LED output</li> <li>Connects to zone monitor for use with addressable control and indicating equipment</li> <li>Sleek low-profile housing design</li> <li>Dual LEDs for 360° visibility</li> <li>Low maintenance</li> </ul> <b>MAKE: UK/Taiwan/ATEK.</b>	30 No	5,100	153,000/-
3.	<b>Non Addressable Low Profile Base (for Smoke &amp; Heat)</b>  <b>Features:</b> <ul style="list-style-type: none"> <li>Secure mounting to all surfaces</li> <li>Flexible mounting pitch</li> <li>Low profile and high profile models available</li> </ul>	30 No	1,115/-	33,450/-

Off # 33-A, Nitchison Housing Co-Operative Society, Raiwind Road, Lahore.  
Cell:0302-4595825, 0304-4301779



*Deals in: All kinds of Security Equipments & Construction*

STRN #: 3277876137220

NTN : 2976175-1

Ref #:

Dated:

	<ul style="list-style-type: none"> <li>• Cable entry points through the rear for low profile bases</li> <li>• Cable entry points through the rear or side for high profile bases</li> <li>• Plated contacts for durable connection to detectors</li> <li>• Fitted square washer to easy and reliable cable clamping</li> <li>• Terminals suitable for (0.4 ~ 2.5) mm 2 diameter wiring</li> <li>• Low maintenance</li> </ul> <p>MAKE: UK/Taiwan/ATEK.</p>			
4.	<p><b>Non Addressable Manual Call Point With LED</b></p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Pressure activated displacement element provides a safe user experience</li> <li>• Integral alarm indicator available</li> <li>• Resettable with simple key operation</li> <li>• Suitable for indoor use</li> <li>• Wide operating voltage range</li> <li>• Compatible with 2-wire and 4-wire fire detection and alarm systems</li> <li>• Low maintenance</li> </ul> <p>MAKE: UK/Taiwan/ATEK.</p>	06 No	4,000/-	24,000/-
5.	<p><b>Non Addressable Sounder</b></p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Red or white body, available for audible alarm device</li> <li>• Operates when the supply voltage is connected to the device</li> </ul>	06 No	4,000/-	24,000/-

Off # 33-A, Aitchison Housing Co-Operative Society, Raiwind Road, Lahore.  
Cell: 0302-4595825, 0304-4301779



Deals in: All kinds of Security Equipments & Construction

STRN #: 3277876137220

NTN : 2976175-1

Ref #:

Dated:

	<ul style="list-style-type: none"><li>Compatible with relay outputs from control and indicating equipment, or from an output module connected to addressable alarm circuit wiring</li><li>DC 24 V operation</li><li>Loud sounder output of 85 dB at 1 m</li><li>Zero current load in quiescent condition</li><li>Low maintenance</li></ul> MAKE: UK/Taiwan/ATEK.			
6.	<b>Base, Low Profile , 4 Terminal, 99mm, Continuity, Red (For Sounder and Flasher)</b>	06 No	1,675/-	10,050/-
7.	<b>Wiring</b> Supply & 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, complete in all respects.	3,000/FT	90/FT	270,000/-
8.	<b>System Programing, Testing &amp; Commissioning Charges</b>	01 Job	100,000/-	100,000/-
<b>Total Rs.</b>			<b>729,500/-</b>	

**Terms & Condition:**

- a- 100% payment to be made in advance.
- b- Extra wire, Detector, alarm or any equipment they will be charge extra.
- c- In this quotation W.H. Tax inclusive G.S.T. & other taxes exclusive. If imposed shall be paid by client.
- d- After installation In case of trouble shooting they will be charge visit charges.
- e- Civil work, labor residence, ladder client responsibility.
- f- All rates are valid for 50 days because variation of dollar.

Thanks in anticipation

Regards,

Muhammad Arshad Ch.

Off # 33-A, Aitchison Housing Co-Operative  
Society, Raiwind Road, Lahore.  
Cell:0302-4595825, 0304-4301779



**ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALARM  
SYSTEM/FIRE ALARM 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

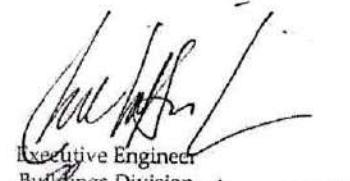
Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Market Cost of above mentioned Item.	1 No	P-Each	115000.00	115000.00
<b>TOTAL - A</b>					<b>115000.00</b>
ADD 20% CONTRACOR'S PROFIT + FIXING CHRAGES ETC					23000
<b>OVER ALL TOTAL</b>					<b>138000.00</b>
RATE PER EACH = $\frac{138000}{1}$				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 BI-ANNUAL PERIOD (1ST January, 2021 TO 30th June, 2021) 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 ALARM  
SYSTEM/FIRE ALARM 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.

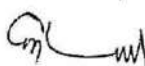
Take 1 No for analysis purpose.

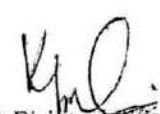
UNIT OF RATE = P-EACH


Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Market Cost of above mentioned Item.	1 No	P-Each	5100.00	5100.00
<b>TOTAL - A</b>					<b>5100.00</b>
ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC					1020
<b>OVER ALL TOTAL</b>					<b>6120.00</b>
RATE PER EACH = $\frac{6120}{1}$				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 BI-ANNUAL PERIOD (1ST January, 2021 TO 30th June, 2021) 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 ALARM  
SYSTEM/FIRE ALARM 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.

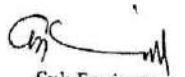
Take 1 No for analysis purpose.


UNIT OF RATE = P-EACH

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

**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 PERIOD (1ST January, 2021 TO 30th June, 2021) as such the rate of Rs: 1338/- has been applied after ascertaining it from the markets.

  
Sub Engineer

  
Sub Division Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

**ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALARM  
SYSTEM/FIRE ALARM 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
<b>A) MATERIAL.</b>					
1	Market Cost of above mentioned Item.	1 No	P-Each	4000.00	4000.00
				<b>TOTAL - A</b>	<b>4000.00</b>
ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC					800
<b>OVER ALL TOTAL</b>					<b>4800.00</b>
RATE PER EACH = $\frac{4800}{1}$				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 BI-ANNUAL PERIOD (1ST January, 2021 TO 30th June, 2021) 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 ALARM  
SYSTEM/FIRE ALARM 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.

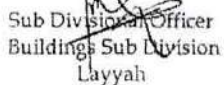
UNIT OF RATE = P-EACH

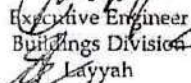
Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Market Cost of above mentioned Item.	1 No	P-Each	4000.00	4000.00
<b>TOTAL - A</b>					<b>4000.00</b>
ADD 20% CONTRACROR'S PROFIT + FIXING CHRAGES ETC					800
<b>OVER ALL TOTAL</b>					<b>4800.00</b>
RATE PER EACH = $\frac{4800}{1}$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

**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 PERIOD (1ST January, 2021 TO 30th June, 2021) as such the rate of Rs: 4800/- has been applied after ascertaining it from the markets.

  
Sub Engineer

  
Sub Division Officer  
Buildings Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

**ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF EMERGENCY ALARM  
SYSTEM/FIRE ALARM 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.

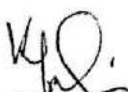
UNIT OF RATE = P-EACH

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

**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 PERIOD (1ST January, 2021 TO 30th June, 2021) 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 ALARM  
SYSTEM/FIRE ALARM 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.

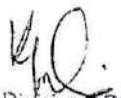
UNIT OF RATE = P-RFT

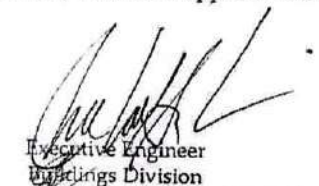
Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
	Market Cost of above 1 mentioned Item.	1 No	P-Each	90.00	90.00
<b>TOTAL - A</b>					<b>90.00</b>
ADD 20% CONTRACOR'S PROFIT + FIXING CHRAGES ETC					18
<b>OVER ALL TOTAL</b>					<b>108.00</b>
RATE PER RFT = $\frac{108}{1}$				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 BI-ANNUAL PERIOD (1ST January, 2021 TO 30th June, 2021) 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 ALARM SYSTEM/FIRE ALARM  
SYSTEM COMPONENT**

Panasonic Programing, Testing &  
Commissioning Charges


etc complete in all respect as approved by the Engineer Incharge.  
Take 1 No for analysis purpose.

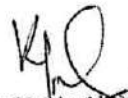
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
<b>A) MATERIAL.</b>					
1	Market Cost of above mentioned Item.	1 No	P-Each	100000.00	100000.00
				<b>TOTAL - A</b>	<b>100000.00</b>
ADD 20% CONTRACROR'S PROFIT ETC					20000
<b>OVER ALL TOTAL</b>					<b>120000.00</b>
RATE PER EACH = $\frac{120000}{1}$				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 BI-ANNUAL PERIOD (1ST January, 2021 TO 30th June, 2021) as such the rate of Rs: 120000/- has been applied after ascertaining it from the markets.

  
Sub Engineer

  
Sub Division Officer  
Building Sub Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah

**ROUGH COST ESTIMATE ON DETAIL BASIS FOR THE WORK REVENUE OF OPD  
BLOCK IN THQ THAL (MIAN NAWAZ SHAREEF) HOSPITAL TEHSIL & DISTRICT**

**LAYYAH**

MRS 1st Bi-annual 2021 (1st January 2021 to 30th June 2021 for District Layyah)

1 Dismantling glazed or encaustic tiles, etc.

OPD X-ray room	1	x13-3/8	x18-3/8	=	246 Sft.
Dark room.	1	x8	x9	=	72 Sft.
Store	1	x8	x8-5/8	=	69 Sft.
Ent.	1	x21-1/2	x46-1/2	=	1000 Sft.
Gyn./SMO	3	x12	x14	=	504 Sft.
Male M.Officer.	1	x15	x14	=	210 Sft.
Waiting	1	x13-3/4	x14	=	193 Sft.
Treatment.	1	x10	x14	=	140 Sft.
Toilet/ Exam	4	x5	x14	=	280 Sft.
Lab.	1	x13-5/8	x13-5/8	=	186 Sft.
Emerg.ward.	1	x16	x13-5/8	=	218 Sft.
Specialist	3	x12	x13-5/8	=	491 Sft.
Toilet.	3	x5	x13-5/8	=	204 Sft.
Dental surgeon	1	x17-3/4	x13-5/8	=	242 Sft.
L.IV	1	x13-1/2	x13-5/8	=	184 Sft.
Toilet wall	1	x8	x13-5/8	=	109 Sft.
Corridor.	1	x22-3/8	x8-5/8	=	193 Sft.
Corridor.	1	x102-3/4	x8-5/8	=	886 Sft.
Ver	1	x93	x8	=	744 Sft.
Front P.form	1	x17-3/4	x14-5/8	=	260 Sft.
OPD X-ray room	2	x1	x(13-3/8 +18-3/8)	x4	= 1966 Sft.
Dark room.	2	x1	x(8 +9 )	x4	= 576 Sft.
Store	2	x1	x(8 +8-5/8)	x4	= 552 Sft.
Ent.	2	x1	x(21-1/2 +46-1/2)	x4	= 7998 Sft.
Gyn./SMO	2	x3	x(12 +14 )	x4	= 4032 Sft.
Male M.Officer.	2	x1	x(15 +14 )	x4	= 1680 Sft.
Waiting	2	x1	x(13-3/4 +14 )	x4	= 1540 Sft.
Treatment.	2	x1	x(10 +14 )	x4	= 1120 Sft.
Toilet/ Exam	2	x4	x(5 +14 )	x4	= 2240 Sft.
Lab.	2	x1	x(13-5/8 +13-5/8)	x4	= 1485 Sft.
Emerg.ward.	2	x1	x(16 +13-5/8)	x4	= 1744 Sft.
Specialist	2	x3	x(12 +13-5/8)	x4	= 3924 Sft.
Toilet.	2	x3	x(5 +13-5/8)	x4	= 1635 Sft.
Dental surgeon	2	x1	x(17-3/4 +13-5/8)	x4	= 1935 Sft.
L.IV	2	x1	x(13-1/2 +13-5/8)	x4	= 1472 Sft.
Toilet wall	2	x1	x(8 +13-5/8)	x4	= 872 Sft.
Corridor.	2	x1	x(22-3/8 +8-5/8)	x4	= 1544 Sft.
Corridor.	2	x1	x(102-3/4 +8-5/8)	x4	= 7090 Sft.
Ver	2	x1	x(93 +8 )	x4	= 5952 Sft.
Front P.form	2	x1	x(17-3/4 +14-5/8)	x4	= 2077 Sft.
Toilets	8	x5	x5	=	200 Sft.
Toilets	1	x7-1/4	x5	=	36 Sft.
Toilets	2	x8	x(5 +5 )	x4	= 1600 Sft.
Toilets	2	x1	x(7-1/4 +5 )	x4	= 290 Sft.
Total					59991 Sft.

@Rs.1606.20%Sft

Rs. 963575/-

2 Removing door with chowkat.

DW1	1	x4	=	4 No.
		1	x4	= 4 No.
DW2	1	x2	=	2 No.
		1	x2	= 2 No.
D1	1	x3	=	3 No.
D2	1	x3	=	3 No.
D3	1	x4	=	4 No.
D4	1	x7	=	7 No.
D5	1	x7	=	7 No.
D6	1	x3	=	3 No.
D1	1	x12	=	12 No.

X-ray	1	x1	=	1 No.
Lab	1	x1	=	1 No.
Dark room	1	x1	=	1 No.
Toilet door	1	x9	=	9 No.
Total				63 No.

@Rs.295.15/Each

Rs. 18594/-

## 3 Removing windows and sky lights with chowkat.

DW1	4	=	4 No.
D4	10	=	10 No.
W3	6	=	6 No.
Total			20 No.

@Rs.228.35/Each

Rs. 4567/-

- 1 Removing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick (Labour Rate only)

DW1	4	x3-1/4	x8-1/2	=	111 Sft.
W4	10	x4	x5-1/2	=	220 Sft.
W3	6	x6	x5-1/2	=	198 Sft.
IW1	10	x4	x4	=	160 Sft.
W2	1	x8	x11	=	88 Sft.
Total					777 Sft.

@Rs.119.95/Sft

Rs. 93201/-

## 5 Dismantling brick work in lime or cement mortar.

4-1/2" thick wall	1	x8	x8	x 3/8	x12	=	288 Cft.
	2	x2	x 3/4	x 3/4	x10	=	23 Cft.
	2	x2	x 3/8	x 3/8	x10	=	6 Cft.
	2	x1	x1-1/2	x 3/4	x10	=	23 Cft.
	2	x1	x1-1/8	x 3/8	x10	=	8 Cft.
	2	x1	x 3/4	x 3/8	x10	=	6 Cft.
Outside pillar	1	x2	x1-5/8	x1-1/8	x12	=	44 Cft.
	1	x2	x 3/4	x 3/4	x12	=	14 Cft.
	1	x2	x 3/8	x 3/4	x12	=	7 Cft.
Pill. under seats	2	x13	x2	x1-1/2	x 3/8	=	29 Cft.
	1	x19	x2	x 3/8	x1-1/2	=	21 Cft.
Total.						=	469 Cft.
Deductions.							
Door opening.	1	x9	x2-1/2	x 3/8	x7	=	59 Cft.
Lintel.	1	x9	x3-1/2	x 3/8	x 1/2	=	6 Cft.
Total Deductions.						=	65 Cft.
Net Qty.		469	(-)	65		=	404 Cft.

@Rs.3020.40% Cft

Rs. 12202/-

## 6 Dismantling cement concrete 1:2:4 plain.

Toilet.	1	x4-5/8	x4-1/2	x 1/8	=	3 Cft.
Toilet/ Exam	4	x5	x14	x 1/8	=	35 Cft.
Toilet.	3	x5	x13-5/8	x 1/8	=	26 Cft.
WIV	1	x13-1/2	x13-5/8	x 1/8	=	23 Cft.
Toilet wall	1	x8	x13-5/8	x 1/8	=	14 Cft.
Toilets	8	x5	x5	x 1/8	=	25 Cft.
	1	x7-1/4	x5	x 1/8	=	5 Cft.



Total = 131 Cft.

@Rs.7817.55% Cft

Rs. 10241/-

## 7 Supplying and filling sand under floor; or plugging in wells.

Toilet.	1	x4-5/8	x4-1/2	x 1/3	=	7 Cft.
Toilet/ Exam	4	x5	x14	x 1/3	=	93 Cft.
Toilet.	3	x5	x13-5/8	x 1/3	=	68 Cft.
LIV	1	x13-1/2	x13-5/8	x 1/3	=	61 Cft.
Toilet wall	1	x8	x13-5/8	x 1/3	=	36 Cft.
Toilets	8	x5	x5	x 1/3	=	67 Cft.
	1	x7-1/4	x5	x 1/3	=	12 Cft.
Total.					=	344 Cft.

@Rs.2096.10% Cft

Rs. 7211/-

## 8 Providing, laying, watering and ramming brick ballast 1 1/2" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

Toilet.	1	x4-5/8	x4-1/2	x 1/3	=	7 Cft.
Toilet/ Exam	4	x5	x14	x 1/3	=	93 Cft.
Toilet.	3	x5	x13-5/8	x 1/3	=	68 Cft.
LHV	1	x13-1/2	x13-5/8	x 1/3	=	61 Cft.
Toilet wall	1	x8	x13-5/8	x 1/3	=	36 Cft.
Toilets	8	x5	x5	x 1/3	=	67 Cft.
	1	x7-1/4	x5	x 1/3	=	12 Cft.
Total.					=	344 Cft.

@Rs.4555.25% Cft

Rs. 15670/-

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

4-1/2" thick wall	1	x8	x8	x 3/8	x12	=	288 Cft.
	2	x2	x 3/4	x 3/4	x12	=	27 Cft.
	2	x2	x 3/8	x 3/8	x12	=	7 Cft.
	2	x1	x1-1/2	x 3/4	x12	=	27 Cft.
	2	x1	x1-1/8	x 3/8	x12	=	10 Cft.
Oside pillar	2	x1	x 3/4	x 3/8	x12	=	7 Cft.
	1	x2	x1-5/8	x1-1/8	x12	=	44 Cft.
	1	x2	x 3/4	x 3/4	x12	=	14 Cft.
Pill.under seats	1	x2	x 3/8	x 3/4	x12	=	7 Cft.
	2	x13	x2	x1-1/2	x 3/8	=	29 Cft.
	1	x19	x2	x 3/8	x1-1/2	=	21 Cft.
Record	1	x1	x7	x 3/8	x3	=	8 Cft.
Counter tegha	2	x4	x3	x 3/8	x3	=	27 Cft.
	2	x1	x12	x 3/8	x3	=	27 Cft.
W.Room shelf	7	x2	x3	x 3/8	x3	=	47 Cft.
	7	x1	x5	x 3/8	x3	=	39 Cft.
Main counter	2	x2	x5	x 3/4	x4	=	60 Cft.
	2	x2	x10	x 3/4	x4	=	120 Cft.
Total.						=	328 Cft.
Deductions.							
Door opening.	1	x9	x2-1/2	x 3/8	x7	=	59 Cft.
Lintel.	1	x9	x3-1/2	x 3/8	x 1/2	=	6 Cft.
Total Deductions.						=	65 Cft.
Net Qty.			328	(-)	65	=	263 Cft.

@Rs.23855.80% Cft

Rs. 62741/-

## 10 Removing cement or lime plaster from walls.

W/side.	1	x2	x(150-3/8	+48-1/2)	x5	=	1989 Sft.
	1	x1	x9-3/4	x5		=	49 Sft.
	1	x1	x9-1/8	x5		=	46 Sft.
	1	x4	x2-1/2	x5		=	50 Sft.
	1	x1	x6	x5		=	30 Sft.
	1	x1	x(100	+49-3/8)	x5	=	747 Sft.
	1	x1	x39-3/4	x5		=	199 Sft.
	1	x1	x44-3/16	x5		=	221 Sft.
	1	x1	x24	x5		=	120 Sft.

	1	x1	x96	x5	=	480 Sft.
				Total	=	3931 Sft.
Deductions	1	x8	x4	x5-1/2	=	176 Sft.
	1	x3	x4	x4	=	48 Sft.
				Total D/d	=	224 Sft.
Net Qty			3931	(-) 224	Total =	3707 Sft.
					@Rs.296.10%/Sft	Rs. 10976/-

11 1/2" thick cement plaster 1:4 upto 20' (6.00 mm) height-

O/side.	1	x2	x(150-3/8	+48-1/2)	x5	=	1989 Sft.
	1	x1	x9-3/4	x5		=	49 Sft.
	1	x1	x9-1/8	x5		=	46 Sft.
	1	x4	x2-1/2	x5		=	50 Sft.
	1	x1	x6	x5		=	30 Sft.
	1	x1	x(100	+49-3/8)	x5	=	747 Sft.
	1	x1	x39-3/4	x5		=	199 Sft.
	1	x1	x44-3/16	x5		=	221 Sft.
	1	x1	x24	x5		=	120 Sft.
	1	x1	x96	x5		=	480 Sft.
4-1/2" thick wall	2	x1	x8	x8	x 3/8 x12	=	576 Cft.
	2	x2	x2	x 3/4	x 3/4 x12	=	54 Cft.
	2	x2	x2	x 3/8	x 3/8 x12	=	14 Cft.
	2	x2	x1	x1-1/2	x 3/4 x12	=	54 Cft.
	2	x2	x1	x1-1/8	x 3/8 x12	=	20 Cft.
	2	x2	x1	x 3/4	x 3/8 x12	=	14 Cft.
O.side pillar	2	x1	x2	x1-5/8	x1-1/8 x12	=	88 Cft.
	2	x1	x2	x 3/4	x 3/4 x12	=	27 Cft.
	2	x1	x2	x 3/8	x 3/4 x12	=	14 Cft.
Pill.under seats	2	x2	x13	x2	x1-1/2 x 3/8	=	59 Cft.
	2	x1	x19	x2	x 3/8 x1-1/2	=	43 Cft.
Record	2	x1	x1	x7	x 3/8 x3	=	16 Cft.
Counter tegha	2	x2	x4	x3	x 3/8 x3	=	54 Cft.
	2	x2	x1	x12	x 3/8 x3	=	54 Cft.
W.Room shelf	2	x7	x2	x3	x 3/8 x3	=	95 Cft.
	2	x7	x1	x5	x 3/8 x3	=	79 Cft.
Main counter	2	x2	x2	x5	x 3/4 x4	=	120 Cft.
	2	x2	x2	x10	x 3/4 x4	=	240 Cft.

Total = 5552 Sft.  
@Rs.2102.85%/Sft Rs. 116750/-

12 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. a) 1:2

Counter tegha	1	x2	x4	x3	x3	=	72 Sft.
	1	x2	x1	x12	x3	=	72 Sft.
W.Room shelf	1	x7	x2	x3	x3	=	126 Sft.
	1	x7	x1	x5	x3	=	105 Sft.
Main counter	1	x2	x2	x5	x4	=	80 Sft.
	1	x2	x2	x10	x4	=	160 Sft.

Total = 615 Sft.  
@Rs.2586.45%/Sft Rs. 15907/-

13 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. b) 4" i/d (100 mm)

	1	x3	x6	x15	=	270 Rft.
	1	x3	x2	x10	=	60 Rft.

Total = 330 Rft.  
@Rs.291.30/Rft Rs. 96129/-

ii 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. c) 2" i/d (50 mm)

	1	x4	x5	x10	=	200 Rft.
--	---	----	----	-----	---	----------



Total = 200 Rft.  
@Rs.141.05/Rft Rs. 28210/-

- 14 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured

1 x10

= 10 No.  
Total = 10 No.  
@Rs.1479.45/Each Rs. 14795/-

- 15 Providing and fitting "P" trap:- ii) 10 cm (4") glazed.

2 x10

= 20 No.  
Total = 20 No.  
@Rs.151.65/Each Rs. 3033/-

- 16 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").

2 x10

= 20 No.  
Total = 20 No.  
@Rs.745.40/Each Rs. 14908/-

- 17 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured

1 x10

= 10 No.  
Total = 10 No.  
@Rs.1496.45/Each Rs. 14965/-

- 18 Providing and fitting Commode coupled with flushing cistern (Porta) approved make brand full size i/c double seat and backlit cover etc. complete in all respect as approved by the Engineer Incharge."

1 x5

= 5 No.  
Total = 5 No.  
@Rs.18000.00/Each Rs. 90000/-

- 19 Providing and fitting of bath room fitting set Lever type SONEX/Master/Faisal Best Quality consisting of wall shower, basin mixer Muslim shower with double bib cock 3 No tee stop cock (all cock 1/2" dia.) complete in all respect as approved by the Engineer Incharge.

1 x5

= 5 No.  
Total = 5 No.  
@Rs.20200.00/Each Rs. 101000/-

- 20 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.

1 x10

= 10 No.  
Total = 10 No.  
@Rs.6700.00/Each Rs. 67000/-

- 21 Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all

1 x10

= 10 No.  
Total = 10 No.  
@Rs.5500.00/Each Rs. 55000/-

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

Toilet.	1	x4-5/8	x4-1/2	x 1/8	=	3 Cft.
Toilet/ Exam	4	x5	x14	x 1/8	=	35 Cft.
Toilet.	3	x5	x13-5/8	x 1/8	=	26 Cft.
LHV	1	x13-1/2	x13-5/8	x 1/8	=	23 Cft.
Toilet wall	1	x8	x13-5/8	x 1/8	=	14 Cft.
Toilets	8	x5	x5	x 1/8	=	25 Cft.
	1	x7-1/4	x5	x 1/8	=	5 Cft.
					=	131 Cft.
			Total.			

@Rs.22784.80/Cft

Rs. 29848/-

- 23 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)

Counter tegha	2	x12	x3	x 3/8	=	27 Cft.
	7	x5	x3	x 3/8	=	39 Cft.
W.Room shelf	2	x10	x5	x 3/8	=	38 Cft.
Lintel W.Room	10	x4	x 3/8	x 1/2	=	8 Cft.
	10	x6-1/2	x 3/4	x 3/4	=	37 Cft.
	5	x8-1/2	x1-1/8	x1	=	48 Cft.
			Total		=	197.00 Cft.

@Rs.379.60/Cft

Rs. 74781/-

- 24 Fabrication of M.S reinforcement i/c cutting bending binding 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

Take Qty 6.75 Lbs/Cft of above Item

197.00 x6.75 x0.454

= 604 Kg

= 604 Kg

@Rs.15930.60/Kg

Rs. 96221/-

- 25 PROVIDING & LAYING PORCELAIN TILES FLOORING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.

OPD X-ray room	1	x13-3/8	x18-3/8	=	246 Sft.
Dark room.	1	x8	x9	=	72 Sft.
Store	1	x8	x8-5/8	=	69 Sft.
Ent.	1	x21-1/2	x46-1/2	=	1000 Sft.
Gyn./SMO	3	x12	x14	=	504 Sft.
Male M.Officer.	1	x15	x14	=	210 Sft.
Waiting	1	x13-3/4	x14	=	193 Sft.
Treatment.	1	x10	x14	=	140 Sft.
Exam	2	x5	x14	=	140 Sft.
Lab.	1	x13-5/8	x13-5/8	=	186 Sft.
Emerg.ward.	1	x16	x13-5/8	=	218 Sft.
Specialist	3	x12	x13-5/8	=	491 Sft.
Dental surgon	1	x17-3/4	x13-5/8	=	242 Sft.
LHV	1	x13-1/2	x13-5/8	=	184 Sft.
Corridor.	1	x22-3/8	x8-5/8	=	193 Sft.
Corridor.	1	x102-3/4	x8-5/8	=	886 Sft.
Ver	1	x93	x8	=	744 Sft.
			Total		5718 Sft.

@Rs.236.00/Sft

Rs. 1349448/-



26 PROVIDING & LAYING PORCELAIN TILES  
SKIRTING 24" X 24" X 3/8" GRANITE WITH DRY /  
WET / VENIED APPLICATION, DWV SERIES  
POLISHED (LIGHT COLOUR) CLASS SB LAID IN  
WHITE CEMENT AND MATCHING PIGMENT  
OVER 3/4" THICK CEMENT SAND MORTAR (1:2)  
I/C FILLING JOINTS IN WHITE CEMENT AND  
MATCHING PIGMENT COMPLETE IN ALL  
RESPECT.

OPD X-ray room	2	x1	x(13-3/8	+18-3/8)	x4	=	254 Sft.
Dark room.	2	x1	x(8	+9	) x4	=	136 Sft.
Store	2	x1	x(8	+8-5/8)	x4	=	133 Sft.
Ent.	2	x1	x(21-1/2	+46-1/2)	x4	=	544 Sft.
Gyn./SMO	2	x3	x(12	+14	) x4	=	624 Sft.
Male M.Officer.	2	x1	x(15	+14	) x4	=	232 Sft.
Waiting	2	x1	x(13-3/4	+14	) x4	=	222 Sft.
Treatment.	2	x1	x(10	+14	) x4	=	192 Sft.
Exam	2	x2	x(5	+14	) x4	=	304 Sft.
Lab.	2	x1	x(13-5/8	+13-5/8)	x4	=	218 Sft.
Emerg.ward.	2	x1	x(16	+13-5/8)	x4	=	237 Sft.
Specialist	2	x3	x(12	+13-5/8)	x4	=	615 Sft.
Dental surgon	2	x1	x(17-3/4	+13-5/8)	x4	=	251 Sft.
LHV	2	x1	x(13-1/2	+13-5/8)	x4	=	217 Sft.
Corridor.	2	x1	x(22-3/8	+8-5/8)	x4	=	248 Sft.
Corridor.	2	x1	x(102-3/4	+8-5/8)	x4	=	891 Sft.
Ver	2	x1	x(93	+8	) x4	=	808 Sft.
Front P.form	2	x1	x(17-3/4	+14-5/8)	x4	=	259 Sft.
Total							6385 Sft.

@Rs.241.00/Sft

Rs. 1538785/-

27 PROVIDING AND LAYING Ceramic tile size  
12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN  
MATCHING DARK COLORS (GLOSSY/MATT) SP  
PLN-SB CLASS SB AS PER APPROVED DESIGN &  
OF APPROVED COLOR AND SHADE LAID OVER  
3/4" THICK CEMENT PLASTER 1:2 I/C WHITE  
CEMENT, PIGMENT AND SEALER FOR  
FINISHING THE JOINTS I/C CUTTING  
GRINDING WHERE NECESSRY COMPLETE IN  
ALL RESPECT AND AS APPROVED BY THE  
ENGINEER INCHARGE.

Toilet.	1	x4-5/8	x4-1/2	=	21 Sft.
Toilet/ Exam	4	x5	x14	=	280 Sft.
Toilet.	3	x5	x13-5/8	=	204 Sft.
LHV	1	x13-1/2	x13-5/8	=	184 Sft.
Toilet wall	1	x8	x13-5/8	=	109 Sft.
Toilets	8	x5	x5	=	200 Sft.
	1	x7-1/4	x5	=	36 Sft.
Total					<u>1034 Sft.</u>

@Rs.187.00/Sft

Rs. 193358/-

28 PROVIDING AND LAYING Ceramic tile size  
12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN  
MATCHING DARK COLORS (GLOSSY/MATT) SP  
PLN-SB CLASS SB SKIRTING/DADO AS PER  
APPROVED DESIGN & OF APPROVED COLOR  
AND SHADE LAID OVER 1/2" THICK CEMENT  
PLASTER 1:2 I/C WHITE CEMENT, PIGMENT  
AND SEALER FOR FINISHING THE JOINTS I/C  
CUTTING GRINDING WHERE NECESSRY  
COMPLETE IN ALL RESPECT AND AS  
APPROVED BY THE ENGINEER INCHARGE.

Toilet.	2	x1	x(4-5/8	+4-1/2)	x6	=	110 Sft.
Toilet/ Exam	2	x4	x(5	+14	) x6	=	912 Sft.
Toilet.	2	x3	x(5	+13-5/8)	x6	=	671 Sft.

LHV	2	x1	x(13-1/2	+13-5/8)	x6	=	326 Sft.
Toilet wall	2	x1	x(8	+13-5/8)	x6	=	260 Sft.
Toilets	2	x8	x(5	+5 )	x6	=	960 Sft.
	2	x1	x(7-1/4	+5 )	x6	=	147 Sft.
Total							3386 Sft.

@Rs.192.00/Sft

Rs. 650112/-

29 Providing And Fixing False ceiling (Dampa) sheet 2x2' imported fixed with Aluminium frame (Tee and L) hanged with 10-No wire with roof slab i/c cost of hooks and scaffolding, carriage complete in all respect

OPD X-ray room	1	x13-3/8	x18-3/8		=	246 Sft.
Gyn./SMO	3	x12	x14		=	504 Sft.
Male M.Officer.	1	x15	x14		=	210 Sft.
Waiting	1	x13-3/4	x14		=	193 Sft.
Treatment.	1	x10	x14		=	140 Sft.
Lab.	1	x13-5/8	x13-5/8		=	186 Sft.
Emerg.ward.	1	x16	x13-5/8		=	218 Sft.
Specialist	3	x12	x13-5/8		=	491 Sft.
Dental surgon	1	x17-3/4	x13-5/8		=	242 Sft.
LHV	1	x13-1/2	x13-5/8		=	184 Sft.
Total						2614 Sft.

@Rs.150.00/Sft

Rs. 392100/-

30 PROVIDING AND FIXING PVC WALL PANELLING I/C COST OF NAILS "U" TYPE MATLEED GOLA BASED ON POLYTHENE SHEET WITH TERMITE PROOFING AND GOLA I/C POLISHING ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER

INCHARGE Emerg.ward.	2	x1	x(16	+13-5/8)	x6	=	356 Sft.
Total							356 Sft.

@Rs.137.00/Sft

Rs. 48772/-

31 Preparing surface and painting with emulsion paint- 3 coats

OPD X-ray room	2	x1	x(13-3/8	+18-3/8)	x8	=	508 Sft.
Dark room.	2	x1	x(8	+9 )	x8	=	272 Sft.
Store	2	x1	x(8	+8-5/8)	x8	=	266 Sft.
Ent.	2	x1	x(21-1/2	+46-1/2)	x8	=	1088 Sft.
Gyn./SMO	2	x3	x(12	+14 )	x8	=	1248 Sft.
Male M.Officer.	2	x1	x(15	+14 )	x8	=	464 Sft.
Waiting	2	x1	x(13-3/4	+14 )	x8	=	444 Sft.
Treatment.	2	x1	x(10	+14 )	x8	=	384 Sft.
Exam	2	x2	x(5	+14 )	x8	=	608 Sft.
Lab.	2	x1	x(13-5/8	+13-5/8)	x8	=	436 Sft.
Emerg.ward.	2	x1	x(16	+13-5/8)	x8	=	474 Sft.
Specialist	2	x3	x(12	+13-5/8)	x8	=	1230 Sft.
Dental surgon	2	x1	x(17-3/4	+13-5/8)	x8	=	502 Sft.
LHV	2	x1	x(13-1/2	+13-5/8)	x8	=	434 Sft.
Corridor.	2	x1	x(22-3/8	+8-5/8)	x8	=	496 Sft.
Corridor.	2	x1	x(102-3/4	+8-5/8)	x8	=	1782 Sft.
Ver	2	x1	x(93	+8 )	x8	=	1616 Sft.
Front P.form	2	x1	x(17-3/4	+14-5/8)	x8	=	518 Sft.
Toilet.	1	x4-5/8	x4-1/2			=	21 Sft.
Toilet/ Exam	4	x5	x14			=	280 Sft.
Toilet.	3	x5	x13-5/8			=	204 Sft.
LHV	1	x13-1/2	x13-5/8			=	184 Sft.
Toilet wall	1	x8	x13-5/8			=	109 Sft.
Toilets	8	x5	x5			=	200 Sft.
	1	x7-1/4	x5			=	36 Sft.
Toilet.	2	x1	x(4-5/8	+4-1/2)	x6	=	110 Sft.
Toilet/ Exam	2	x4	x(5	+14 )	x6	=	912 Sft.
Toilet.	2	x3	x(5	+13-5/8)	x6	=	671 Sft.
LHV	2	x1	x(13-1/2	+13-5/8)	x6	=	326 Sft.
Toilet wall	2	x1	x(8	+13-5/8)	x6	=	260 Sft.
Toilets	2	x8	x(5	+5 )	x6	=	960 Sft.



2 x1 x(7-1/4 +5 ) x6 = 147 Sft.  
Total 17190 Sft.

@Rs.1412.40/Sft

Rs. 242792/-

32 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.

DW1	1 4	x3-1/4	x1-1/2	=	20 Sft
W4	1 10	x4	x1-1/2	=	60 Sft
W3	1 6	x6	x1-1/2	=	54 Sft
HW1	1 10	x4	x1-1/2	=	60 Sft
W2	1 1	x8	x1-1/2	=	12 Sft
Nurse counter.	2 x10	x2		=	40 Sft.
	1 x19	x20		=	380 Sft.
Front P.form	1 x17-3/4	x14-5/8		=	260 Sft.
Stair steps	23 x5	x1-1/8		=	129 Sft.
	1 x13-3/4	x4-7/8		=	67 Sft.
Landing	1 x50-1/4	x1		=	50 Sft.
Seats	2 x2	x14-1/2	x2	=	116 Sft.
	2 x1	x21	x2	=	84 Sft.
	2 x1	x13-3/4	x2	=	55 Sft.
	1 x1	x9-1/2	x2	=	19 Sft.
	2 x1	x13-1/2	x2	=	54 Sft.
	1 x1	x6-3/4	x2	=	14 Sft.
P.Farm	1 x20	x10		=	200 Sft.
Total				=	1674 Sft.

@Rs.620.00/Sft

Rs. 1037880/-

33 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. b) 2 mm thick

DW1	4 x3-1/4	x8-1/2	=	111 Sft.
W4	10 x4	x5-1/2	=	220 Sft.
W3	6 x6	x5-1/2	=	198 Sft.
HW1	10 x4	x4	=	160 Sft.
W2	1 x8	x11	=	88 Sft.
Total			=	777 Sft.

@Rs.775.20/Sft

Rs. 602330/-

34 Providing and fixing M.S. flat 1/2"x1/8" (13mm x 3mm) grill including 3/4" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.

DW1	4 x3-1/4	x8-1/2	=	111 Sft.
W4	10 x4	x5-1/2	=	220 Sft.
W3	6 x6	x5-1/2	=	198 Sft.
HW1	10 x4	x4	=	160 Sft.
W2	1 x8	x11	=	88 Sft.
	12 x6	x6	=	432 Sft.
	18 x6	x6	=	648 Sft.



3 x5-3/4 x1-1/2

Total

= 26 Sft.

= 1883 Sft.

@Rs.277.85/Sft

Rs. 523192/-

55 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan sections thickness having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted sections are of dull aluminium glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

DW1	1 x4	x5	x7	=	140 Sft.
"	1 x4	x4	x7	=	112 Sft.
DW2	1 x2	x4	x7	=	56 Sft.
	1 x2	x1-1/2	x6-1/2	=	20 Sft.
D1	1 x3	x5	x7	=	105 Sft.
D2	1 x3	x4	x7	=	84 Sft.
D3	1 x4	x3	x7	=	84 Sft.
D4	1 x7	x3	x7	=	147 Sft.
D5	1 x7	x3	x7	=	147 Sft.
D6	1 x3	x3	x7	=	63 Sft.
D 1	1 x12	x4-1/2	x7	=	378 Sft.
X.ray	1 x1	x4-1/2	x7	=	32 Sft.
Lab	1 x1	x3	x7	=	21 Sft.
Dark room	1 x1	x2-1/2	x7	=	18 Sft.
Total				=	1407 Sft.

@Rs.568.55/Sft

Rs. 799950/-

56 Providing and Laying UPVC Door for wash room of approved manufactured i/c M.S chowkhat 1-1/2x1-1/2x1/4" fixing and all kinds of fitting such as handle tower bolts etc complete in all respect as approved by the Engineer Incharge

Toilet door	1 x9	x2-1/2	x7	=	158 Sft.
Total				=	158 Sft.

@Rs.950.00/Sft

Rs. 150100/-

57 PROVIDING AND FIXING BEST QUALITY FANCY DOOR HANDLE LOCK AS APPROVED BY THE ENGINEER INCHARGE WITH 5" MACHINE (IMPORTED QUALITY) ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

1 x40

= 40 No.

Total = 40 No.

@Rs.2500.00/Each

Rs. 100000/-

58 Providing and Laying Non-Skid Chequered tiles of approved color and shade laid over 3/4" thick cement 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary, complete in all respects and as Approved by the Engineer Incharge

Ramp	2 x20	x4		=	160 Sft.
Bet.pillar	1 x2	x60	x6-1/3	=	760 Sft.
	1 x7	x7-1/2	x1-1/8	=	59 Sft.
	1 x1	x4	x1-1/8	=	5 Sft.
Total				=	984 Sft.

@Rs.177.00/Sft

Rs. 174168/-

- 39 Supply & Installation of Phillips, LED Light 24"x24"  
(RC 099v LED 36S / 865 W 60L60 GM) in False  
Ceiling of approved manufacturer i/c cost of all  
labour & material complete, as approved by the  
Engineer Incharge.

1 x30

= 30 No.

Total = 30 No.  
@Rs.13830.00/Each Rs. 414900/-

- 40 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

1 x200 x4

= 800 Rft.

Total

= 800 Rft.

@Rs.305.00/Rft Rs. 244000/-

- 41 Providing and Fixing beeding wooden gola fency  
type etc complete in all respects and as Approved by  
the Engineer Incharge

30 x4 x2-1/2  
30 x2 x5

= 300 Rft.

= 300 Rft.

Total

= 600 Rft.

@Rs.150.00/Rft Rs. 90000/-

- 42 Making And Fixing Looking Glass 5mm Thick  
Belgium Or Equivalent 8'-0"x2'0" In Aluminum  
Frame 50x20mm (2"x3/4") Back Covered With Hard  
Board Including Termite Proofing And Polythene  
Sheet Of Approved Color And Design Compete In  
All Respect As Approved By Engineer Incharge

1 x10 x5 x3

= 150 Sft.

Total

= 150 Sft.

@Rs.300.00/Sft Rs. 45000/-

- 43 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.

O/side.	1 x2	x(150-3/8	+48-1/2)	x15-3/4	=	6265 Sft.
	1 x1	x9-3/4	x15-3/4		=	154 Sft.
	1 x1	x9-1/8	x15-3/4		=	144 Sft.
	1 x4	x2-1/2	x15-3/4		=	158 Sft.
	1 x1	x6	x15-3/4		=	95 Sft.
	1 x1	x(100	+49-3/8)	x17	=	2539 Sft.
	1 x1	x39-3/4	x17		=	676 Sft.
	1 x1	x44-3/16	x17		=	751 Sft.
	1 x1	x24	x17		=	408 Sft.
	1 x1	x96	x17		=	1632 Sft.

Total. = 12822 Sft.

Deductions

1 x8	x4	x5-1/2	=	176 Sft.
1 x3	x4	x4	=	48 Sft.

Total Deductions. = 224 Sft.

Net Qty 12822 (-) 224 = 12598 Sft.

@Rs.2868.05/Sft Rs. 361317/-

- 44 Providing and Laying led sheet in X-ray room etc  
complete in all respects and as Approved by the  
Engineer Incharge

OPD X-ray room 2 x1 x(13-3/8 +18-3/8) x6 = 381 Sft.

				Total	=	381 Sft.	
					@Rs.564.00/Sft		Rs. 214884/-
45 Providing and Laying Water proofing of Washrooms with cleaning, chipping, using ultra power 2000 finish with SBR latex and cement with applying 2 coat of ultra seal etc complete in all respects and as Approved by the Engineer Incharge							
Toilet.	1	x4-5/8	x4-1/2		=	21 Sft.	
Toilet/ Exam	4	x5	x14		=	280 Sft.	
Toilet.	3	x5	x13-5/8		=	204 Sft.	
LHV	1	x13-1/2	x13-5/8		=	184 Sft.	
Toilet wall	1	x8	x13-5/8		=	109 Sft.	
Toilets	8	x5	x5		=	200 Sft.	
	1	x7-1/4	x5		=	36 Sft.	
Toilet.	2	x1	x(4-5/8 +4-1/2)	x6	=	110 Sft.	
Toilet/ Exam	2	x4	x(5 +14)	x6	=	912 Sft.	
Toilet.	2	x3	x(5 +13-5/8)	x6	=	671 Sft.	
LHV	2	x1	x(13-1/2 +13-5/8)	x6	=	326 Sft.	
Toilet wall	2	x1	x(8 +13-5/8)	x6	=	260 Sft.	
Toilets	2	x8	x(5 +5)	x6	=	960 Sft.	
	2	x1	x(7-1/4 +5)	x6	=	147 Sft.	
				Total	=	4420 Sft.	
					@Rs.62.40/Sft		Rs. 275808/-
46 Providing and fixing vertical rolling view blinder with machine (Master quality) improted etc complete in all respects and as Approved by the Engineer Incharge							
W3	6	x7	x6-1/2		=	273 Sft.	
				Total	=	273 Sft.	
					@Rs.350.00/Sft		Rs. 95550/-
47 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) 12 mm i/d							
	20	x4	x2-1/2		=	200 Rft.	
				Total	=	200 Rft.	
					@Rs.43.75/Rft		Rs. 8750/-
ii) 20 mm i/d							
	15	x4	x2-1/2		=	150 Rft.	
				Total	=	150 Rft.	
					@Rs.50.20/Rft		Rs. 7530/-
48 Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-a) 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")							
	1	x5	x300		=	1500 Rft.	
				Total	=	1500 Rft.	
					@Rs.12.50/Rft		Rs. 18750/-
iii) 7/0.74 mm (7/0.029")							
	1	x5	x200		=	1000 Rft.	
				Total	=	1000 Rft.	
					@Rs.16.80/Rft		Rs. 16800/-
v) 7/1.12 mm (7/0.044")							
	1	x5	x250		=	1250 Rft.	
				Total	=	1250 Rft.	
					@Rs.33.30/Rft		Rs. 41625/-
viii) 19/1.63 mm (19/0.064")							
	1	x3	x225		=	675 Rft.	



Total

= 675 Rft.  
@Rs.172.45/Rft Rs. 116404/-

49 PROVIDING AND FIXING AT SITE OF EXHAUST FAN 12" SWEEP (DOUBLE ACTION AND PLASTIC BODY) MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x10

= 10 No.  
Total = 10 No.  
@Rs.2570.00/Each Rs. 25700/-

50 PROVIDING AND FIXING AT SITE OF BRACKET FAN 18" SWEEP MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x10

= 10 No.  
Total = 10 No.  
@Rs.3700.00/Each Rs. 37000/-

51 Providing and fixing of China Sheet Hilife/Bush Switch 1G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x40

= 40 No.  
Total = 40 No.  
@Rs.540.00/Each Rs. 21600/-

52 Providing and fixing of China Sheet Hilife/Bush Switch 3G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x40

= 40 No.  
Total = 40 No.  
@Rs.780.00/Each Rs. 31200/-

53 Providing and fixing of China Sheet Hilife/Bush Switch 6G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x40

= 40 No.  
Total = 40 No.  
@Rs.1254.00/Each Rs. 50160/-

54 Providing and fixing of China Sheet Hilife/Bush Switch 8G +1 Socket 10AMP etc complete in all respect as approved by the Engineer Incharge.

1 x40

= 40 No.  
Total = 40 No.  
@Rs.1602.00/Each Rs. 64080/-

Total Rs. 12001570/-  
Add: 3% Contingency Rs. 360047/-  
G.Total Rs. 12361617/-

Sub Engineer,

Sub Divisional Officer  
Buildings Sub Division  
Layyah

Executive Engineer  
Buildings Division  
Layyah.

**ROUGH COST ESTIMATE ON DETAIL BASIS FOR THE WORK REVEMPING OF 40  
BEDDED WARD (GROUND FLOOR) IN THQ THAL (MIAN NAWAZ SHAREEF)  
HOSPITAL TEHSIL & DISTRICT LAYYAH**

MRS 1st Bi-annual 2021 (1st January 2021 to 30th June 2021 for District Layyah)

1 Dismantling glazed or encaustic tiles, etc.

Ward	1 x2	x36	x19-3/8	=	1395 Sft.
	1 x1	x12	x19-3/8	=	233 Sft.
Nurse	1 x1	x11	x12	=	132 Sft.
MO	1 x1	x10	x19-3/8	=	194 Sft.
Corridor.	1 x1	x71-3/4	x8	=	574 Sft.
	1 x1	x49	x11	=	539 Sft.
Lav	1 x1	x9-1/4	x19-1/4	=	178 Sft.
Corridor.	1 x2	x71-3/4	x3	=	431 Sft.
	1 x2	x8	x3	=	48 Sft.
	1 x1	x49	x3	=	147 Sft.
Pillar	2 x14	x 3/4	x3	=	63 Sft.
	1 x14	x 3/4	x3	=	32 Sft.
	2 x14	x 3/8	x3	=	32 Sft.
	3 x5	x6-5/8		=	99 Sft.
	1 x6-5/8	x6-5/8		=	44 Sft.
	2 x4-1/2	x6		=	54 Sft.
	3 x3	x6		=	54 Sft.
	9 x2-1/4	x 3/8		=	8 Sft.
	1 x9-1/4	x13		=	120 Sft.
	3 x2	x(5 +6-5/8)	x4	=	279 Sft.
	1 x2	x(6-5/8 +6-5/8)	x4	=	106 Sft.
	2 x2	x(4-1/2 +6 )	x4	=	168 Sft.
	3 x2	x(3 +6 )	x4	=	216 Sft.
Lav	1 x2	x(9-1/4 +13 )	x4	=	178 Sft.
Total				=	5324 Sft.

@Rs.1606.20% Sft

Rs. 85514/-

2 Removing door with chowkat.

Link ver.	1 x4	=	4 No.
M.O	1 x1	=	1 No.
	2 x4	=	8 No.
M.O	1 x2	=	2 No.
Toilet.	2 x9	=	18 No.
Total		=	33 No.

@Rs.295.15/Each

Rs. 9740/-

3 Removing windows and sky lights with chowkat.

22	=	22 No.
1	=	1 No.
4	=	4 No.
4	=	4 No.
Total		<u>31 No.</u>

@Rs.228.35/Each

Rs. 7079/-

4 Removing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick (Labour Rate only)

1 x18	x4	x5-1/2	=	396 Cft.
1 x1	x5	x5-1/2	=	28 Cft.
1 x4	x4	x4	=	64 Cft.



	1 x 4	x3	x8-1/2	=	102 Cft.
			Total	=	590 Sft
				@Rs.119.95/Sft	Rs. 70771/-

5 Dismantling brick work in lime or cement mortar.

Files	1 x1	x11	x 3/8	x12	=	50 Cft.
	1 x2	x5	x 3/8	x12	=	45 Cft.
	1 x1	x7	x 3/8	x12	=	32 Cft.
P.wall	1 x2	x19-3/8	x 3/8	x12	=	174 Cft.
			Total.		=	301 Cft.

Deductions.

Door opening.	1 x3	x2-1/2	x 3/8	x7	=	20 Cft.
			Total Deductions.		=	20 Cft.

Net Qty.	301	(-)	20	=	281 Cft.
----------	-----	-----	----	---	----------

@Rs.3020.40% Cft Rs. 8487/-

6 Dismantling cement concrete 1:2:4 plain.

	3 x5	x6-5/8	x 1/8	=	12 Cft.
	1 x6-5/8	x6-5/8	x 1/8	=	5 Cft.
	2 x4-1/2	x6	x 1/8	=	7 Cft.
	3 x3	x6	x 1/8	=	7 Cft.
	9 x2-1/4	x 3/8	x 1/8	=	1 Cft.
	1 x9-1/4	x13	x 1/8	=	15 Cft.
			Total	=	47 Cft.

@Rs.7817.55% Cft Rs. 3674/-

7 Supplying and filling sand under floor; or plugging in wells.

	3 x5	x6-5/8	x 1/3	=	33 Cft.
	1 x6-5/8	x6-5/8	x 1/3	=	15 Cft.
	2 x4-1/2	x6	x 1/3	=	18 Cft.
	3 x3	x6	x 1/3	=	18 Cft.
	9 x2-1/4	x 3/8	x 1/3	=	3 Cft.
	1 x9-1/4	x13	x 1/3	=	40 Cft.
			Total.	=	127 Cft.

@Rs.2096.10% Cft Rs. 2662/-

8 Providing, laying, watering and ramming brick ballast 1 1/2" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

	3 x5	x6-5/8	x 1/3	=	33 Cft.
	1 x6-5/8	x6-5/8	x 1/3	=	15 Cft.
	2 x4-1/2	x6	x 1/3	=	18 Cft.
	3 x3	x6	x 1/3	=	18 Cft.
	9 x2-1/4	x 3/8	x 1/3	=	3 Cft.
	1 x9-1/4	x13	x 1/3	=	40 Cft.
			Total.	=	127 Cft.

@Rs.4555.25% Cft Rs. 5785/-

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

Files	1 x1	x11	x 3/8	x12	=	50 Cft.
	1 x2	x5	x 3/8	x12	=	45 Cft.
	1 x1	x7	x 3/8	x12	=	32 Cft.
	1 x2	x19-3/8	x 3/8	x12	=	174 Cft.
P.wall	1 x1	x7	x 3/8	x3	=	8 Cft.
Record	2 x4	x3	x 3/8	x3	=	27 Cft.
Counter tegha	2 x1	x12	x 3/8	x3	=	27 Cft.
Main counter	7 x1	x5	x 3/8	x3	=	39 Cft.
	2 x2	x5	x 3/4	x4	=	60 Cft.
	2 x2	x10	x 3/4	x4	=	120 Cft.
			Total.		=	629 Cft.
Deductions.						
Door opening.	1 x9	x2-1/2	x 3/8	x7	=	59 Cft.
Intel.	1 x9	x3-1/2	x 3/8	x 1/2	=	6 Cft.

Net Qty.	629	Total Deductions.	=	65 Cft.
		(-) 65	=	564 Cft.
			@Rs.23855.80% Cft	Rs. 134547/-

## 10 Removing cement or lime plaster from walls.

O/side	1 x2	x94-5/8	x5	=	946 Sft.
	1 x2	x14-1/8	x5	=	141 Sft.
	1 x2	x49-3/4	x5	=	498 Sft.
	1 x2	x11	x5	=	110 Sft.
	1 x2	x6-5/8	x5	=	66 Sft.
	1 x2	x6-5/8	x5	=	66 Sft.
	1 x2	x17-1/2	x5	=	175 Sft.
	1 x2	x36-1/8	x5	=	361 Sft.
				Total =	2363 Sft.
				@Rs.296.10% Sft	Rs. 6997/-

## 11 1/2" thick cement plaster 1:4 upto 20' (6.00 mm)

height:- O/side	1 x2	x94-5/8	x5	=	946 Sft.		
	1 x2	x14-1/8	x5	=	141 Sft.		
	1 x2	x49-3/4	x5	=	498 Sft.		
	1 x2	x11	x5	=	110 Sft.		
	1 x2	x6-5/8	x5	=	66 Sft.		
	1 x2	x6-5/8	x5	=	66 Sft.		
	1 x2	x17-1/2	x5	=	175 Sft.		
	1 x2	x36-1/8	x5	=	361 Sft.		
4-1/2" thick wall	1 x2	x1	x11	x12	=	264 Cft.	
	1 x2	x2	x5	x12	=	240 Cft.	
	1 x2	x1	x7	x12	=	168 Cft.	
	1 x2	x2	x19-3/8	x12	=	930 Cft.	
Record	2 x1	x1	x7	x 3/8	x3	=	16 Cft.
Counter tegha	2 x2	x4	x3	x 3/8	x3	=	54 Cft.
	2 x2	x1	x12	x 3/8	x3	=	54 Cft.
W Room shelf	2 x7	x2	x3	x 3/8	x3	=	95 Cft.
Main counter	2 x2	x2	x5	x 3/4	x4	=	120 Cft.
	2 x2	x2	x10	x 3/4	x4	=	240 Cft.
					Total	=	4623 Sft.
@Rs.2102.85% Sft							

## 12 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. a) 1:2

Counter tegha	1 x2	x4	x3	x3	=	72 Sft.
	1 x2	x1	x12	x3	=	72 Sft.
	1 x7	x1	x5	x3	=	105 Sft.
Main counter	1 x2	x2	x5	x4	=	80 Sft.
	1 x2	x2	x10	x4	=	160 Sft.
				Total =		615 Sft.

## 13 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. b) 4" i/d (100 mm)

	1 x3	x6	x15	=	270 Rft.
	1 x3	x2	x10	=	60 Rft.

@Rs.291.30/Rft Rs. 96129/-

## ii 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. c) 2" i/d (50 mm)

	1 x4	x6	x10	=	240 Rft.
				Total =	240 Rft.

@Rs.141.05/Rft Rs. 33852/-

## 14 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured

1 x6	= 6 No.	
15 Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	@Rs.1479.45/Each	Rs. 8877/-
2 x6	= 12 No.	
16 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").	@Rs.151.65/Each	Rs. 1820/-
2 x6	= 12 No.	
17 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	@Rs.745.40/Each	Rs. 8945/-
1 x6	= 6 No.	
18 Providing and fitting Commode coupled with flushing cistern (Porta) approved make brand full size i/c double seat and backlit cover etc. complete in all respect as approved by the Engineer Incharge."	Total = 6 No. @Rs.1496.45/Each	Rs. 8979/-
1 x1	= 1 No.	
19 Providing and fitting of bath room fitting set Lever Type SONEX/Master/Faisal Best Quality consisting of wall shower, basin mixer Muslim shower with double bib cock 3 No tee stop cock (all cock 1/2" dia.) compete in all respect as approved by the Engineer Incharge.	Total = 1 No. @Rs.18000.00/Each	Rs. 18000/-
1 x6	= 6 No.	
20 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.	Total = 6 No. @Rs.20200.00/Each	Rs. 121200/-
1 x8	= 8 No.	
21 Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all respects as approved by the Engineer incharge.	Total = 8 No. @Rs.6700.00/Each	Rs. 53600/-
1 x6	= 6 No.	
22 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	Total = 6 No. @Rs.5500.00/Each	Rs. 33000/-
3 x5	= 12 Cft.	
1 x6-5/8	= 5 Cft.	
x6-5/8		
x 1/8		
x 1/8		



2 x 4-1/2	x6	x 1/8	=	7 Cft.
3 x3	x6	x 1/8	=	7 Cft.
9 x2-1/4	x 3/8	x 1/8	=	1 Cft.
1 x9-1/4	x13	x 1/8	=	15 Cft.
Total.			=	47 Cft.

@Rs.22784.80/Cft

Rs. 10709/-

- 23 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)

Counter tegha	2 x12	x3	x 3/8	=	27 Cft.
	7 x5	x3	x 3/8	=	39 Cft.
Lintel W.Room	10 x4	x 3/8	x 1/2	=	8 Cft.
	10 x6-1/2	x 3/4	x 3/4	=	37 Cft.
	5 x8-1/2	x1-1/8	x1	=	48 Cft.
			Total	=	197.00 Cft.

@Rs.379.60/Cft

Rs. 74781/-

- 24 Fabrication of M.S reinforcement i/c cutting bending binding 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

Take Qty 6.75 Lbs/Cft of above Item

197.00	x6.75	x0.454	=	604 Kg
			=	604 Kg

@Rs.15930.60/Kg

Rs. 96221/-

- 25 PROVIDING & LAYING PORCELAIN TILES FLOORING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.

Corridor.	1 x1	x30-1/4	x9	=	272 Sft.
Ver	1 x2	x64-5/8	x8	=	1034 Sft.
Ward	1 x2	x36	x19-3/8	=	1395 Sft.
St.	1 x2	x5	x12	=	120 Sft.
Lin.	1 x1	x9	x19-3/8	=	174 Sft.
Nurse	1 x1	x11	x12	=	132 Sft.
M.O	1 x1	x10	x15-5/8	=	156 Sft.
Lobby	1 x1	x6	x8	=	48 Sft.
Corridor.	1 x1	x57	x11	=	627 Sft.
Total					<u>3958 Sft.</u>

@Rs.236.00/Sft

Rs. 934088/-

- 26 PROVIDING & LAYING PORCELAIN TILES SKIRTING 24" X 24" X 3/8" GRANITE WITH DRY / WET / VENIED APPLICATION, DWV SERIES POLISHED (LIGHT COLOUR) CLASS SB LAID IN WHITE CEMENT AND MATCHING PIGMENT OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT COMPLETE IN ALL RESPECT.

Corridor.	2 x1	x(30-1/4	+9	)	x4	=	545 Sft.
Ver	2 x2	x(64-5/8	+8	)	x4	=	2068 Sft.

Ward	2 x2	x(36	+19-3/8)	x4	=	2790 Sft.
St	2 x2	x(5	+12 )	x4	=	240 Sft.
Lin.	2 x1	x(9	+19-3/8)	x4	=	349 Sft.
Nurse	2 x1	x(11	+12 )	x4	=	264 Sft.
M.O	2 x1	x(10	+15-5/8)	x4	=	313 Sft.
Lobby	2 x1	x(6	+8 )	x4	=	96 Sft.
Corridor.	2 x1	x(57	+11 )	x4	=	1254 Sft.
Total					=	7919 Sft.

@Rs.241.00/Sft

Rs. 1908479/-

27 PROVIDING AND LAYING Ceramic tile size 12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN MATCHING DARK COLORS (GLOSSY/MATT) SP PLN-SB CLASS SB AS PER APPROVED DESIGN & OF APPROVED COLOR AND SHADE LAID OVER 3/4" THICK CEMENT PLASTER 1:2 I/C WHITE CEMENT, PIGMENT AND SEALER FOR FINISHING THE JOINTS I/C CUTTING GRINDING WHERE NECESSRY COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Toilet	1 x3	x6	x7-1/2	=	135 Sft.
	1 x1	x5	x6-5/8	=	33 Sft.
Lav	1 x1	x9-1/4	x19-1/4	=	178 Sft.
			Total		346 Sft.

@Rs.187.00/Sft

Rs. 64702/-

28 PROVIDING AND LAYING Ceramic tile size 12"x18"/10"x24" 8"x24" 12"x18" SP SREIES PLAIN MATCHING DARK COLORS (GLOSSY/MATT) SP PLN-SB CLASS SB SKIRTING/DADO AS PER APPROVED DESIGN & OF APPROVED COLOR AND SHADE LAID OVER 1/2" THICK CEMENT PLASTER 1:2 I/C WHITE CEMENT, PIGMENT AND SEALER FOR FINISHING THE JOINTS I/C CUTTING GRINDING WHERE NECESSRY COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Toilet	2 x3	x(6	+7-1/2)	x6	=	486 Sft.
	2 x1	x(5	+6-5/8)	x6	=	140 Sft.
Lav	2 x1	x(9-1/4	+19-1/4)	x6	=	342 Sft.
Total					=	968 Sft.

@Rs.192.00/Sft

Rs. 185856/-

29 Providing And Fixing False ceiling (Dampa) sheet 2'x2' imported fixed with Aluminium frame (Tee and L) hanged with 10-No wire with roof slab i/c cost of hooks and scaffolding, carraige complete in all respect

Ward	1 x2	x36	x19-3/8	=	1395 Sft.
St	1 x2	x5	x12	=	120 Sft.
Lin.	1 x1	x9	x19-3/8	=	174 Sft.
Nurse	1 x1	x11	x12	=	132 Sft.
M.O	1 x1	x10	x15-5/8	=	156 Sft.
Lobby	1 x1	x6	x8	=	48 Sft.
			Total		<u>2025 Sft.</u>

@Rs.150.00/Sft

Rs. 303750/-

30 PROVIDING AND FIXING PVC WALL PANELLING I/C COST OF NAILS "U" TYPE MATLEED GOLA BASED ON POLYTHENE SHEET WITH TERMITE PROOFING AND GOLA I/C POLISHING ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

Ward	2 x2	x(36	+19-3/8)	x8	=	1772 Sft.
------	------	------	----------	----	---	-----------



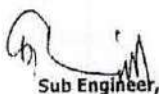
31 Providing and fixing of China Sheet Hilife/Bush  
Switch 8G +1 Socket 10AMP etc complete in all  
respect as approved by the Engineer Incharge.

1 x40

Total = 40 No.  
@Rs.1254.00/Each Rs. 50160/-

Total = 40 No.  
@Rs.1602.00/Each Rs. 64080/-

Total	Rs. 7488704/-
Add: 3% Contingency	Rs. 224661/-
G.Total	Rs. 7713365/-

  
Sub Engineer,

  
Sub Divisional Officer  
Buildings Sub-Division  
Layyah

  
Executive Engineer  
Buildings Division  
Layyah.

**ROUGH COST ESTIMATE ON DETAIL BASIS FOR THE WORK REVENUE OF 40  
BEDDED WARD (FIRST FLOOR) IN THO THAL (MIAN NAWAZ SHAREEF) HOSPITAL**

**TEHSIL & DISTRICT LAYYAH**

MRS 1st Bi-annual 2021 (1st January 2021 to 30th June 2021 for District Layyah)

1 Dismantling glazed or encaustic tiles, etc.

Corridor	1	x1	x71-3/8	x8	=	571 Sft.
	1	x2	x36	x19-3/8	=	1395 Sft.
beded	1	x1	x12	x19-3/8	=	233 Sft.
Nurse	1	x1	x11	x12	=	132 Sft.
M.O	1	x1	x10	x19-3/8	=	194 Sft.
Corridor.	1	x1	x49	x11	=	539 Sft.
Lav	1	x1	x9-1/4	x19-1/4	=	178 Sft.
Ver	1	x2	x71-3/8	x3	=	428 Sft.
"	1	x2	x8	x3	=	48 Sft.
"	1	x1	x49	x3	=	147 Sft.
Ward	1	x2	x36	x19-3/8	=	1395 Sft.
2 Bedded ward	1	x1	x12	x19-3/8	=	233 Sft.
Nurse	1	x1	x11	x12	=	132 Sft.
M.O	1	x1	x10	x15-5/8	=	156 Sft.
Corridor	1	x1	x71-3/4	x8	=	574 Sft.
Corr.St.Hall	1	x1	x92	x11	=	1012 Sft.
Stair Hall	1	x1	x15	x17	=	255 Sft.
Door sill	1	x3	x4-1/2	x 3/4	=	10 Sft.
	1	x3	x4-1/2	x 3/4	=	10 Sft.
	1	x3	x11	x 3/4	=	25 Sft.
Dado	2	x2	x(36	+19-3/8) x 1/2	=	111 Sft.
	1	x2	x(12	+19-3/8) x 1/2	=	31 Sft.
	1	x2	x(11	+12 ) x 1/2	=	23 Sft.
	1	x2	x(10	+15-5/8) x 1/2	=	26 Sft.
Corridor	1	x2	x(71-3/4	+8 ) x3-1/2	=	558 Sft.
	1	x2	x(92	+11 ) x3-1/2	=	721 Sft.
	1	x2	x(15	+17 ) x3-1/2	=	224 Sft.
Toilet	3	x5	x6-5/8		=	99 Sft.
	1	x6-5/8	x6-5/8		=	44 Sft.
	2	x4-1/2	x6		=	54 Sft.
	3	x3	x6		=	54 Sft.
	9	x2-1/4	x 3/8		=	8 Sft.
Lav.	1	x9-1/4	x13		=	120 Sft.
<b>Total</b>						<b>9740 Sft.</b>

@Rs.1606.20%Sft

Rs. 156444/-

2 Removing door with chowkat.

Link ver.	1	x4	=	4 No.
M.O	1	x1	=	1 No.
	1	x9	=	9 No.
<b>Total</b>			=	<b>14 No.</b>

@Rs.295.15/Each

Rs. 4132/-

3 Removing windows and sky lights with chowkat.

W4	22	=	22 No.
<b>Total</b>			<b>22 No.</b>

@Rs.228.35/Each

Rs. 5024/-

- 4 Removing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick (Labour Rate only)

1	x18	x4	x5-1/2	=	396 Cft.
1	x1	x5	x5-1/2	=	28 Cft.
1	x4	x4	x4	=	64 Cft.
1	x4	x3	x8-1/2	=	102 Cft.
Total				=	590 Sft

@Rs.119.95/Sft

Rs. 70771/-

## 5 Dismantling brick work in lime or cement mortar.

P.wall	1	x2	x19-3/8	x 3/8	x12-1/2	=	182 Cft.
	1	x4	x5	x 3/8	x12	=	90 Cft.
	1	x2	x9-1/4	x 3/8	x7-1/2	=	52 Cft.
	1	x3	x7	x 3/8	x7-1/2	=	59 Cft.
				Total		=	383 Cft.

Deductions.

Door opening.	1	x8	x2-1/2	x 3/8	x7	=	53 Cft.
Lintel.	1	x8	x3-1/2	x 3/8	x 1/2	=	5 Cft.
Total Deductions.						=	58 Cft.

Net Qty.		383	(-)	58	=	325 Cft.
----------	--	-----	-----	----	---	----------

@Rs.3020.40% Cft

Rs. 9816/-

## 6 Dismantling cement concrete 1:2:4 plain.

Toilet	3	x5	x6-5/8	x 1/8	=	12 Cft.
	1	x6-5/8	x6-5/8	x 1/8	=	5 Cft.
	2	x4-1/2	x6	x 1/8	=	7 Cft.
	3	x3	x6	x 1/8	=	7 Cft.
	9	x2-1/4	x 3/8	x 1/8	=	1 Cft.
Lav.	1	x9-1/4	x13	x 1/8	=	15 Cft.
Total					=	47 Cft.

@Rs.7817.55% Cft

Rs. 3674/-

## 7 Supplying and filling sand under floor; or plugging in wells.

Toilet	3	x5	x6-5/8	x 1/3	=	33 Cft.
	1	x6-5/8	x6-5/8	x 1/3	=	15 Cft.
	2	x4-1/2	x6	x 1/3	=	18 Cft.
	3	x3	x6	x 1/3	=	18 Cft.
	9	x2-1/4	x 3/8	x 1/3	=	3 Cft.
Lav.	1	x9-1/4	x13	x 1/3	=	40 Cft.
	Total.				=	127 Cft.

@Rs.2096.10% Cft

Rs. 2662/-

## 8 Providing, laying, watering and ramming brick ballast 1 1/2" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

Toilet	3	x5	x6-5/8	x 1/3	=	33 Cft
	1	x6-5/8	x6-5/8	x 1/3	=	15 Cft
	2	x4-1/2	x6	x 1/3	=	18 Cft
	3	x3	x6	x 1/3	=	18 Cft
	9	x2-1/4	x 3/8	x 1/3	=	3 Cft
Lav.	1	x9-1/4	x13	x 1/3	=	40 Cft
Total.					=	127 Cft

@Rs.4555.25% Cft

Rs. 5785/-

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

P.wall	1	x2	x19-3/8	x 3/8	x12-1/2	=	182 Cft.
	1	x4	x5	x 3/8	x12	=	90 Cft.
	1	x2	x9-1/4	x 3/8	x7-1/2	=	52 Cft.
	1	x3	x7	x 3/8	x7-1/2	=	59 Cft.
Record	1	x1	x7	x 3/8	x3	=	8 Cft.
Counter tegha	2	x4	x3	x 3/8	x3	=	27 Cft.
	2	x1	x12	x 3/8	x3	=	27 Cft.
W. Room shelf	7	x2	x3	x 3/8	x3	=	47 Cft.
	7	x1	x5	x 3/8	x3	=	39 Cft.
Main counter	2	x2	x5	x 3/4	x4	=	60 Cft.

8. ANNUAL OPERATING COST (POST COMPLETION)

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

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

PKR Million											
Sr #	Object Code	2025-2026		2026-2027		2027-2028		2028-2029		2029-2030	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

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



## **9. DEMAND AND SUPPLY ANALYSIS**

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

## **10. FINANCIAL PLAN AND MODE OF FINANCING**

### **10.1 FINANCIAL PLAN EQUITY INFORMATION**



### 10.3 FINANCIAL PLAN GRANT INFORMATION

attached

## 10. Financial Plan and Mode of Financing

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

### Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	39.000	23.752	4.321	4.387	6.030	8.294	85.784
Utilization	17.146	23.667	4.273	4.203	5.966	1.511	56.766

### Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	10.000	5.000	15.000
Utilization	0	0	0	0	10.000	5.000	15.000

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





## **11. PROJECT BENEFITS AND ANALYSIS**

### **11.1 PROJECT BENEFIT ANALYSIS INFORMATION**

#### **Social Benefits with Indicators**

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

#### **11.3.1 Social Impact:**

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

#### **Employment Generation (Director and Indirect)**

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

### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

#### **Environmental Impact**

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

### **11.3 PACT ANALYSIS**

.

### **11.4 ECONOMIC ANALYSIS**

#### **Impact of Delays on Project Cost and Viability**

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

## 11.5 FINANCIAL ANALYSIS

### Financial Benefits & Analysis

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

#### 11.1.1 Financial Impact:

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

#### 11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government

## 12. IMPLEMENTATION SCHEDULE

### 12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

#### Implementation Schedule

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

.

.



## **12.4 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

.

### 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

### 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

### 15. CERTIFICATE

**Focal Person Name:**Mr. Adeel Aslam

**Designation:**Project Director, PMU P&SHD

**Email:**

**Tel. No.:**

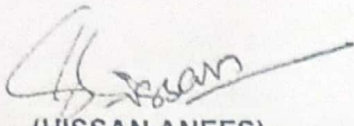
**Fax No:**

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



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

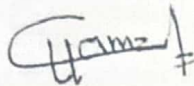
Prepared By:



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

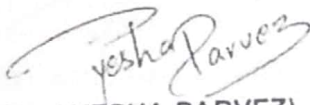


(RIZWAN SHOUKAT)  
PROCUREMENT SPECIALIST, (PMU),  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)



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

Checked By:



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



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

Approved By:



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

## 17. RELATION WITH OTHER PROJECTS

## 20. MARGINALISATION OF PC-1

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

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