



PC-1

Revamping of THQ Hospital, Kamalia District Toba Tek Singh

ORIGINAL APPROVED COST	PKR Million. 388.628/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Kamalia District Toba Tek Singh

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. TOBA TEK SINGH

2.2. TEHSIL(S)

I. KAMALIA

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	GS No: 5277
3	Total Allocation: 0.000
4	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

5.4.5 Security

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

5.6 HR & Management Interventions Structure

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

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

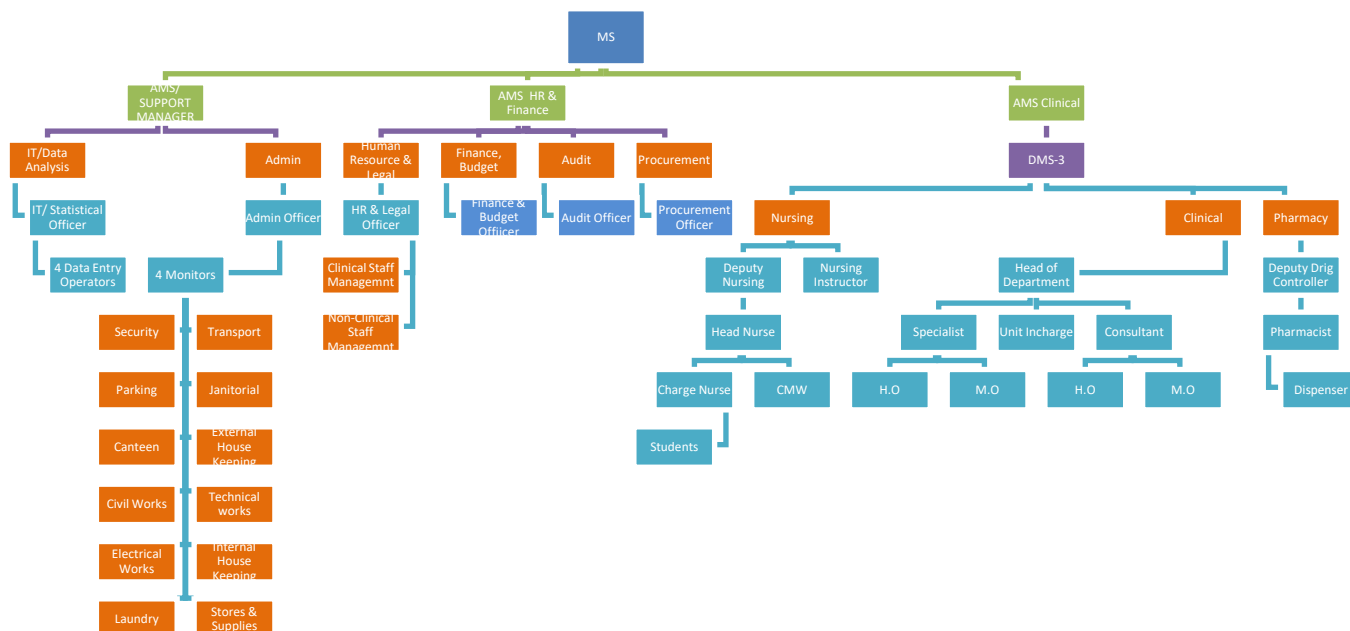
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Kamalia District Toba Tek Singh is more than 0.527 million. The area of the THQ Hospital Kamalia District Toba Tek Singh is 446,251 SFT land.

6.1 Description and Justification

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

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

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

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

Justification for 3rd Revision of PC-I

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

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

Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000
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Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I.

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 - (PC22036)
LO NO:LO17011154
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	149.383	0.000	50.000	0.000	50.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	149.383	0.000	50.000	0.000	50.000	0.000

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO21010602
A/C To be Credited:Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	59.245	0.000	40.000	0.000	40.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	59.245	0.000	40.000	0.000	40.000	0.000

Abstract of Cost

Name of THQ Hospital	Revaming Of THQ Hospital Kamalia										
	Original	1st Revised	2nd Revised		2nd Revised			3rd Revised			
Scope of work	Cost in million										
	Total	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component											
Internal development	25.528	25.528	47.714	5.000	52.714	62.591	5.000	67.591	56.548	5.000	61.548
External development	3.447	3.447	22.313	0.000	22.313	24.313	0.000	24.313	79.962	0.000	79.962
Water filtration plant	5.600	5.600	2.373	0.000	2.373	2.735	0.000	2.735	2.735	0.000	2.735
Total Capital Component	34.575	34.575	72.400	5.000	77.400	89.639	5.000	94.639	139.245	5.000	144.245
Revenue component											
Emergency	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MSDS	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	55.124	55.124	0.000	75.972	75.972	0.000	75.972	75.972	0.000	82.333	82.333
Electricity	18.059	18.059	0.000	21.009	21.009	0.000	21.009	21.009	0.000	42.795	42.795
IT & QMS & Surveillance	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	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	3.354	3.354	0.000	4.695	4.695	0.000	4.695	4.695	0.000	4.695	4.695
Day Care Center	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	17.220	17.220	0.000	39.690	39.690	0.000	39.690	39.690	0.000	58.753	58.753
LC Deficit during procurement (currency fluctuation)			0.000	1.814	1.814	0.000	1.814	1.814	0.000	1.814	1.814
Total Revenue component	132.022	132.022	0.000	184.653	184.653	0.000	184.653	184.653	0.000	244.335	244.335
Outsourcing component											
Janitorial Services	16.350	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	7.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	4.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	4.686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	3.703	0.048	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	47.039	0.048	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total	213.637	166.645	72.400	189.701	262.101	89.639	189.701	279.340	139.245	249.383	388.628
Contingency (1%) only on Civil Component	0.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	2.136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Validation (TPV) (1%)	2.136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	218.255	166.645	72.400	189.701	262.101	89.639	189.701	279.340	139.245	249.383	388.628

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
	Total			8,647,094			8,647,094			9,653,822			13,437,942
				8.647			8.647			9.654			13.438

Medical Equipment

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	219,300	-
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	4	0	132,825	-	4	0	132,825	-	4	0	180,000	-	4	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	0	1	210,000	210,000	0	1	210,000	210,000	0	1	385,000	385,000	0	1	198,315	198,315
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	75,000	75,000
9		Auto pipettes	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,500	324,000	2	8	45,000	360,000
10		glass wares	0	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	250,000	250,000
12		Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	6,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	4,300,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15		Dental X-Ray	0	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	1	0	525,000	-	1	0	525,000	-	1	0	525,000	-	1	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	1	0	1,371,331	-	1	0	1,500,000	-	1	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	4,500,000	4,500,000
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	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color doplor RADIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	275,000	550,000
29	Blood Bank	Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	700,000	700,000
30		Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	250,000	500,000
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	2,200,000	11,000,000
34	Nursery	Baby Cot	10	0	10	14,669	146,685	0	10	14,669	146,685	0	10	16,000	160,000	0	10	12,699	126,990
35		Phototherapy Unit	2	2	0	130,200	-	2	0	130,200	-	2	0	655,000	-	2	0	655,000	-
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	985,000	1,970,000
37		Pulse Oximeter	6	1	5	104,500	522,500	1	5	104,500	522,500	1	5	160,000	800,000	1	5	160,000	800,000
38		Infant Incubator	2	2	0	858,932	-	2	0	858,932	-	2	0	900,000	-	2	0	900,000	-
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	275,000	275,000
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	0	2	125,265	250,530	0	2	215,000	430,000	0	2	300,000	600,000
41	O.T (04)	Anesthesia Machine with Ventilator	1	2	0	2,509,554	-	2	0	2,509,554	-	2	0	3,000,000	-	2	0	3,000,000	-
42		BED SIDE PATIENT MONITOR	2	2	0	441,000	-	2	0	441,000	-	2	0	550,000	-	2	0	550,000	-
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	2	0	507,530	-	2	0	507,530	-	2	0	700,000	-	2	0	700,000	-
45		Operation Table	1	3	0	1,426,215	-	3	0	1,426,215	-	3	0	2,000,000	-	3	0	2,000,000	-
46		Ceiling Operating Light	1	20	0	413,013	-	20	0	413,013	-	20	0	800,000	-	20	0	800,000	-
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	0	3,465,000	-	1	0	4,000,000	-	1	0	4,000,000	-
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	275,000	550,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	400,000	800,000
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	13,488	53,952
51	Orthopedic	MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	500,000	-
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	450,000	450,000

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
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-
57	Gyneae (20 beds)	Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	1,500,000	1,500,000
58		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	550,000	550,000
59		Delivery Set	10	3	7	31,500	220,500	3	7	31,500	220,500	3	7	40,000	280,000	3	7	16,277	113,939
60		Delivery Table	2	4	0	47,250	-	4	0	47,250	-	4	0	47,250	-	4	0	37,332	-
61		BED SIDE PATIENT MONITOR	2	1	1	294,000	294,000	1	1	294,000	294,000	1	1	550,000	550,000	1	1	550,000	550,000
62		D & C Set	2	2	0	34,650	-	2	0	34,650	-	2	0	40,000	-	2	0	16,135	-
63		Vacume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	300,000	300,000
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	725,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	180,000	180,000
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	400,000	400,000
67	Surgical Emergency (10 beds)	Baby Cot	2	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000
68		Delivery trolley	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	175,000	-
70		Steam Sterilizer	0	1	0	3,355,849	-	1	0	3,355,849	-	1	0	4,000,000	-	1	0	4,000,000	-
71		Operation Table	0	3	0	1,426,215	-	3	0	1,426,215	-	3	0	2,000,000	-	3	0	2,000,000	-
72		MOBILE OPERATING LIGHT	0	2	0	285,466	-	2	0	285,466	-	2	0	400,000	-	2	0	400,000	-
73		Suction Pump	0	4	0	259,350	-	4	0	259,350	-	4	0	275,000	-	4	0	275,000	-
74		Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-
75		Set of Surgical Instruments	0	4	0	141,750	-	4	0	141,750	-	4	0	160,000	-	4	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	33,185	331,850
77	Others	wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	28,503	285,030
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolley With Crash Cart	5	1	4	237,618	950,473	1	4	237,618	950,473	1	4	400,000	1,600,000	1	4	400,000	1,600,000
80		BP Apparatus	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	2,100,000	2,100,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	925,000	925,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	82,560	165,120
85		Image Intensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	9,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	400,000	1,600,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	400,000	800,000
90		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	180,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	125,000	125,000
94		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	275,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	10,900	10,900
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	3,500,000	7,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,100,000	-
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	MORTUARY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,000,000	3,000,000
104		Dental Unit	2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	550,000	550,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	350,000	350,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-

Medical Equipment

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
108	Dental Unit	DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114		Shortwave diathermy	1	0	1	844,562	844,562	0	1	844,562	844,562	0	1	1,500,000	1,500,000	0	1	1,500,000	1,500,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000

Medical Equipment

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
120	Physiotherapy unit	C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121		Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122		Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	950,000	950,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trolleys	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	Beds	Fowler beds with Mattress	120	0	120	70,000	8,400,000	0	120	70,000	8,400,000	0	120	110,000	13,200,000	0	120	66,800	8,016,000
		Total					55,124,061				55,124,061				75,972,441				82,333,054
							55.124				55.124				75.972				82.333

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
	Transformers (200 KVA)	0	-	-	0	-	-	0	-	-	2	5,000,000	10,000,000
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	3,550,000	3,550,000	1	3,550,000	3,550,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Generator (200 KVA)	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000	2	6,500,000	13,000,000
4	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-
5	2 Ton air conditioners (split)	0	55,500	-	0	55,500	-	0	55,500	-	0	139,150	-
6	2 Ton air conditioners (Cabinet)	50	78,000	3,900,000	50	78,000	3,900,000	50	78,000	3,900,000	50	187,200	9,360,000
7	4 Ton air conditioners (Cabinet)	29	120,000	3,480,000	29	120,000	3,480,000	29	120,000	3,480,000	29	353,899	10,263,071
8	Ceiling Fans 56"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	6,975	139,500
10	Bracket Fans 18"	140	3,280	459,200	140	3,280	459,200	140	3,280	459,200	140	6,600	924,000
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			18,059,000			18,059,000			21,009,000			42,794,571
				18.059			18.059			21.009			42.795

IT & QMS & Surveillance

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Desktop, UPS, LED	30	75,000	2,250,000	30	75,000	2,250,000	30	130,000	3,900,000	30	216,000	6,480,000
2	MS Windows License	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000
3	Scanner Flatbed with ADF	3	90,000	270,000	3	90,000	270,000	3	150,000	450,000	3	150,000	450,000
4	Heavy duty Printer	7	40,000	280,000	7	40,000	280,000	7	50,000	350,000	7	110,000	770,000
5	Multimedia Projector with Screen	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
6	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
	Total			14,515,000			14,515,000			16,715,000			20,120,000
				14.515			14.515			16.715			20.120

Furniture and Fixtures

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

Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	7	9,965	69,755	7	9,965	69,755	7	13,951	97,657	7	13,951	97,657
2	A2	External Platform/Road Signage (Triangular)	7	9,116	63,812	7	9,116	63,812	7	12,762	89,337	7	12,762	89,337
3	B1	Main Directional Board	1	110,791	110,791	1	110,791	110,791	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	12	14,235	170,820	12	14,235	170,820	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	22,154	22,154	1	22,154	22,154	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,701	29,701	1	29,701	29,701	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,679	36,679	1	36,679	36,679	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,543	44,543	1	44,543	44,543	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,007	52,007	1	52,007	52,007	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,823	23,469	3	7,823	23,469	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	46,491	325,437	7	46,491	325,437	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	3	40,563	121,689	3	40,563	121,689	3	56,788	170,365	3	56,788	170,365
		Internal Signage	0		-	0		-	0		-	0		-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,496	447,480	5	89,496	447,480	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	68,140	340,700	5	68,140	340,700	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	5	50,465	252,325	5	50,465	252,325	5	70,651	353,255	5	70,651	353,255
4	F4	Internal Hanging Signage (Corridor 2)	5	51,050	255,250	5	51,050	255,250	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	7	12,908	90,356	7	12,908	90,356	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,710	74,200	20	3,710	74,200	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	110	853	93,830	110	853	93,830	110	1,194	131,362	110	1,194	131,362
8	K1	Internal Wall Signage	110	1,401	154,110	110	1,401	154,110	110	1,961	215,754	110	1,961	215,754
9	L1	Room Numbers Fixed on Wall	60	3,556	213,360	60	3,556	213,360	60	4,978	298,704	60	4,978	298,704
10	M1	Advance Fire Exit Sign	10	1,810	18,100	10	1,810	18,100	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,252	12,520	10	1,252	12,520	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,398	47,960	20	2,398	47,960	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,768	103,840	5	20,768	103,840	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,140	53,500	25	2,140	53,500	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	644	3,220	5	644	3,220	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,126	11,260	10	1,126	11,260	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	875	13,125	15	875	13,125	15	1,225	18,375	15	1,225	18,375
		Total			3,255,993			3,255,993			4,558,390			4,558,390
		Designing and Site Supervision			97,680			97,680			136,752			136,752
		Grand Total			3,353,673			3,353,673			4,695,142			4,695,142
					3.354			3.354			4.695			4.695

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

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

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

DAY CARE CENTER													
Yard Stick as per Women Development Department													
		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			1,600,000			1,600,000			1,600,000			1,600,000
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

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								11.550				18.28					
	Total of HR Component												39.69					58.753

Janitorial Services

	Original			From 1st Revised to onward
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	47,017	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	6	Persons		
Road and ROW area	62,112	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	25	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	8	Persons		
Total sweeper in morning shift	19	Persons		
Total number of sweepers in evening shift	9	Persons		
Total number of sweepers in night shift	9	Persons		
Total number of sweepers in all shifts	37	Persons		
Number of sewer men required	3	Persons		
Number of supervisors	3	Persons		
Salary component				
Type of worker	No of workers	Salary per month	Salary for One Year	
Sweepers / Janitors	37	22,000	9,821,997	
Sewer men	3	22,000	792,000	
Supervisors	3	26,000	936,000	
Cost of Supply per Month		400,000	4,800,000	
Sub Total (Salary component)			16,349,997	
16,350				

16.350

Security and Parking

		Original			From 1st Revised to onward
Assumptions					In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY". In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residences	47,017				
Covered Area per guard	15,000				
Number of guards	3				
Open area excluding parking area	62,112				
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	13				
Total number of all guards for second shift	7				
Lady Searcher	4				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
Type of worker	No of workers					Salary per month	Salary per Month for all Person	Salary for One year
Supervisors	2	24,675	49,350	592,200	
Ex-Army	8	21,525	172,200	2,066,400	
Civilian	12	21,000	252,000	3,024,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				7,232,400	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=5, Walkies Talkies=9, Base Set=1)				450,000	
Sub total				450,000	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				7,182,400	
				7.182	

Laundry Services

		Original		From 1st Revised to onward
Number of beds	120			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Type of Item	No of Beds	Per bed cost per year	Total Cost	
No of Bed	120	30,000	3,600,000	
Transport Charges			1,200,000	
Total for laundry items			4,800,000	
Total			4.800	

Maintenance of Generator

Original				From 1st Revised to onward
Item Name	Quantity	Cost per Month	Total Cost	
Periodical Maintenance 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&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	1	300,000	300,000	
Number of Generators (50 KVA)	1	175,000	175,000	
Repairs Cost	1	475,000	475,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			2,270,000	
			2.270	

MEP

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

Medical Gases

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

1.304

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
Total Amount of Platform Construction					1,225,070	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwiched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
Total Cost of Pre-Fabrication of Canteen Structure					3,307,052	
Total Amount (Rs)					4,532,121	
22	Electrification				998,735	
23	Plumbing and Sanitary				410,000	
24	Kitching Fixtures				802,000	
Grand Total Amount (Rs)					6,742,856	
6.743						

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

		Original				From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	
1	SOFT LANDSCAPE					
1.1	TOP SOIL					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	10,807	20	216,148	
1.2	STONE / PEBBLES					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	31,375	31,375	
1.3	GRASSING					
a	GRASSING (EXISTING NON MAINTANE LAWNS)					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	14,822	7	103,751	
b	GRASSING (NEW LAWNS)					
	Providing and dibbing of Fine Dacca grass, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	18,527	10.00	185,270	
1.4	TREE / SHRUBS (SPREADING)					
	Providing and planting tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
a	Trees 18" pot 6'-7' - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	76	1,400	106,400	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amesttal, Pilken, Palms etc.	No's	18	260	4,680	
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	40	600	24,000	

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

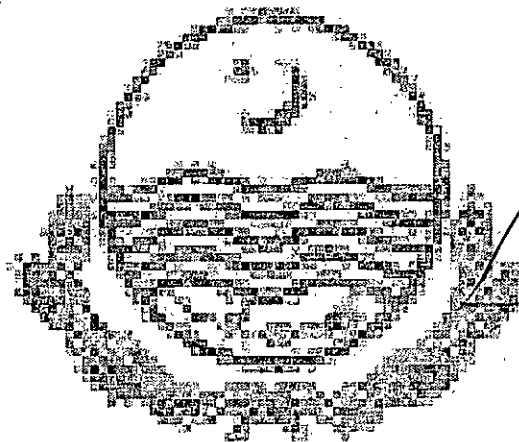
LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

		Original				From 1st Revised to onward
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	6,737	65	437,905	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	1,059	185	195,915	
1.6	GROUND COVERS					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercolis(Daylily), Duranta etc	No's	7,195	11	79,145	
1.7	PALMS					
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer .					
a	Palm 18" pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	9	3,575	32,175	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	12	1,700	20,400	
1.8	CREEPERS					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	36	185	6,660	
2	HARD LANDSCAPE					
2.1	WALK WAYS					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	1482	150	222,300	
2.2	BENCHES					
	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	

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

		Original				From 1st Revised to onward
2.3	DUSTBINS					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	5	27,700	138,500	
2.4	PLAYING EQUIPMENTS					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939	
2.5	PLANTERS					
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	6	3,700	22,200	
2.6	WATER POINTS (Injector Pump 1HP)	No's	1	45,000	45,000	
3	SOFT LANDSCAPE MAINTENANCE (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	37,054	7.50	277,905	
4	CONSTRUCTION OF PLANTERS					
	Large Size					
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	144	550	79,200	
	Medium Size					
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	19	550	10,450	
	Small Size					
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	35	550	19,250	
5	GAZEEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				3,106,455	
	PRA(16%)				497,033	
	Design Consultancy				100,000	
	Grand Total				3,703,487	
					3.703	

COMMUNICATION & WORKS DEPARTMENT



10/11

PROVINCE

PUNJAB

DISTRICT

TOBA TEK SINGH

STATION

TOBA TEK SINGH

BUILDINGS SUB DIVISION

KAMALIA

BUILDINGS DIVISION

TOBATEK SINGH

NAME OF WORK

REVISED ROUGH COST ESTIMATE FOR
REVAMPING OF TEHSIL HEADQUARTER
HOSPITAL KAMALIA.(125 BEDDED HOSPITAL
ADP NO. 658 FOR THE YEAR 2022-23)

MAJOR HEAD

MINOR

ESTIMATE COST

139.245 (M)
~~168.165 (M)~~
Rs 168.165 (M)
168/172
180.830
Rs 179.830/- (M) 159.252
(M)

P-1

REVISED ROUGH COST ESTIMATE FRAMED IN THE OFFICE OF EXECUTIVE ENGINEER, BUILDINGS DIVISION, TOBA TEK SINGH FOR THE SCHEME REVAMPING OF TEHSIL HEADQUARTER HOSPITAL KAMALIA. (125 BEDDED HOSPITAL)
(ADP NO. 658 FOR THE YEAR 2022-23)

HISTORY:- The subjected scheme was administratively approved by the Secretary P&SH Department Govt: of the Punjab vide letter No. PO (D-II)1-237/2021, dated 17-12-2021 amounting to Rs: 89.639 Million and the work was allotted to the Govt: Contractor M/S Muhammad Mushtaq Bawja by the Executive Engineer Buildings Division Toba Tek Singh vide letter No. 2581, dated 13/05/2022. (Copy attached). During the execution of work it is pointed out the work was not included in TS estimate also required Revamp / Renovation because this is maintenance & repair nature work and during the visit of MPU Health Department, dated 12-04-2022 visited by the Project Manager Civil PMU, P&SH. He directed some additional work i.e. External Electrification, Internal recessed wiring, Antibacterial Wall in Operation Theater, Antibacterial Falls Ceiling (DAMPA) and the MS of THQ Hospital also directed vide his letter No. 3037/THQ/2022, dated 04-11-2022 to i/c some additional work i.e. Boundary Wall of acquired land, settled or broken plinth protection male and eye ward underground internal and external electrification, Mettle Roads. Hence this revised rough cost estimate is prepared to incorporate the items as directed by the MPU, P&SH and MS THQ Hospital, Kamalia and 10% cution of price variation as notified by the P&D Board notify vide letter No. 594/AC (Tech)/P&D/2022-23, dated 09th September 2022 amounting to Rs: 179.830 million is being submitted for onward transition and according revised administrative approval and funds please.

DESIGN AND SCOPE:- The following provision has been made in this estimate.

A-	Internal Development
1	Internal Development of Existing Building / Revamping i/c laying of floor tile of entire clinical building i/c offices of size 2'x2', wall dado of size 18"x12", replacement of iron window with aluminum window, replacement of broken flush door with new flush doors, main entrance door of aluminum, wall paneling and ceiling of operation theater and ICU where required, anti synthetic floor in O.T, emulsion paint of entire building, replacement of bathroom doors with PVC doors, replacement of bathroom floor and wall tile
2	Public health of existing clinical block with master brand fittings like bib cock, basin mixture etc.
3	Internal E.I work
B-	External Development
1	Tuff Tile & carpeted Road
2	Re-construction of Boundary wall
3	External Water Supply
4	Water Filtration Plant
5	External Electrification
C-	Emergency Equipment and exit plan
1	Fire fighting arrangements

RATES:- The Rate provided in the estimate are based on Plinth area / MRS 1st Bi-annual 2022.

COST:- Cost of revised rough cost estimate works out of Rs. ~~179.830~~ ^{139.245} Millions ~~179.830~~ ^{139.245} (M)

LAND:- Land is available. Therefore, no separate provision for cost of Land has been provided in the detailed estimate.

TIME:- The gestation period of the scheme has been kept as 12 months.

CERTIFICATION:- The work will be executed strictly according to PWD / B&R specifications.

EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH

From

The Executive Engineer,
Buildings Division,
Toba Tek Singh.

To

M/S Muhammad Mushtaq Bajwa,
Govt: Contractor,
House No.6 Main Road Housing Colony,
Gojra District Toba Tek Singh.

No.

Date

/05/2022.

Subject: **ACCEPTANCE OF TENDER FOR THE WORK "REVAMPING OF TEHSIL HEADQUARTER HOSPITAL KAMALIA (125-BEDDED HOSPITAL) ADP NO. 792 FOR THE YEAR 2021-22"**

Agreement Amount.	Rs.7,98,96,452/- (Rupees Seven Crore Ninety Eight L: Ninety Six Thousand Four Hundred Fifty Two Only).
Earnest Money	Rs.18,00,000/- (Rupee Eighteen Lac Only).
Completion Period	18-Months (Eighteen Months Only).

Your tender dated 28-02-2022 as approved by Chief Engineer (Central Zone) Punjab Buildings Department Lahore vide his Memo No.CEB(CZ)/Tender/2128/W(II) dated 18-04-2022 received through Superintending Engineer Buildings Circle No Faisalabad vide his Endst: No.1340, dated 12-05-2022 is accepted at the following rates subject to strict financial regularities observance of codal formalities.

S.#	Description of Items.	Qty	Unit	Rate	Figure in Words
	All Standardised Items Based on MRS 1st Bi-Annual 2022 District T.T.Singh				
	Standardised Items				
1	Dismantling cement concrete 1:2:4 plain	4175	%Cft	8924.59	(Rupees Eight Thousand Four Hundred Twenty Four Pa Fifty Nine Only)
2	Dismantling mud concrete.	11122	%Cft	1622.64	(Rupees One Thousand Four Hundred Twenty Two Pa Sixty Four Only)
3	Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.	12599	%Cft	4407.68	(Rupees Four Thousand Four Hundred Seven Pa Eight Only)
4	Cement concrete plain including, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1:2:4	4205	%Cft	34274.60	(Rupees Thirty Four Thousand Two Hundred Seventy F Pa Sixty Only)
5	Removing cement or lime plaster.	13087	%Sft	338.05	(Rupees Three Hundred T Eight Pa Five Only)
6	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles II (600mmx 600 mm)	33400	P.Sft	297.77	(Rupees Two Hundred Ni Seven Pa Seventy Se Only)
7	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge a) Full body Glazed Tile i) 600mm x 600 mm	57437	P.Sft	297.77	(Rupees Two Hundred Ni Seven Pa Seventy Se Only)
8	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(Non-Skid Chequered Tiles) 300mmx300mm	192	P.Sft	187.74	(Rupees One Hundred Ei Seven Pa Seventy Fc Only)
9	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick	760	P.Sft	828.83	(Rupees Eight Hundre Twenty Eight Pa Eig Three Only)
10	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities /Shelves /Treads /Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge (China Verona)	203	P.Sft	363.86	(Rupees Three Hundred Three Pa Eighty Six C
11	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x24"/12"x36")	90	P.Sft	309.59	(Rupees Three Hundred Pa Fifty Nine Only)

S.#	Description of Items.	Qty	Unit	Rate	Figure in Words
12	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gotties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	75	P.Rft	1748.47	(Rupees One Thousand Seven Hundred Fourty Eight Paisa Fourty Seven Only)
13	Removing cement sand mortar upto 5'.	36712	%Sft	338.05	(Rupees Three Hundred Thirty Eight PaisaFive Only)
14	Removing door with chowkat.	159	Each	356.91	(Rupees Three Hundred Fifty Six PaisaNinety One Only)
15	Removing windows and sky lights with chowkat.	183	Each	278.90	(Rupees Two Hundred Seventy Eight PaisaNinety Only)
16	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge 1.6mm thick.	5285	P.Sft	596.96	(Rupees Five Hundred Ninety Six PaisaNinety Six Only)
17	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminuin frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket/ecost of Hardwaresas approved and directed by the engineer incharge.complete in all respect.	2643	P.Sft	359.28	(Rupees Three Hundred Fifty Nine PaisaTwenty Eight Only)
18	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge (i) 3/8" Squar Bars)	4697	P.Sft	638.03	(Rupees Six Hundred Thirty Eight PaisaThree Only)
19	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer Incharge	714	P.Sft	705.75	(Rupees Seven Hundred Five PaisaSeventy Five Only)
20	Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge	42	Each	2601.93	(Rupees Two Thousand Six Hundred One PaisaNinety Three Only)
21	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. B)	102	Each	1242.63	(Rupees One Thousand Two Hundred Fourty Two PaisaSixty Three Only)
22	Brass 12" (300 mm) long P/F tower bolt 3/4"	102	Each	364.15	(Rupees Three Hundred Sixty Four PaisaFifteen Only)
23	Providing and fixing 1 1/2" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, withOUT mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:-	1785	P.Sft	1177.57	(Rupees One Thousand One Hundred Seven PaisaFifty Seven Only)
24	Providing and fixing 1 1/2" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, i/c mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:-	3259	P.Sft	1509.51	(Rupees One Thousand Five Hundred Nine PaisaFifty One Only)
25	Preparing surface and painting with emulsion paint:- 2 coat on old surface.	74668	%Sft	1755.22	(Rupees One Thousand Seven Hundred Fifty Five PaisaTwenty Two Only)
26	Distempering on old surfaces (one coats)	35390	%Sft	489.59	(Rupees Four Hundred Eighty Nine PaisaFifty Nine Only)
27	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1" at wall sides, galvanized tee 1 1/2"x1" and 1 1/2"x1" both at 4'c/c (made of Taiwan CKM or equivalent), hanging with G.I/ Copper wire 16 SWG, G.hook, Rawa IPlug etc:complete in all respects as approved and directed by the Engineer Incharge (9 mm thick)	1875	P.Sft	81.80	(Rupees Eighty One PaisaEighty Only)
28	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: on new surface.	34647	%Sft	1697.30	(Rupees One Thousand Six Hundred Ninety Seven PaisaThirty Only)
29	Cement pointing (1:2) deep struck joint on wall upto 20' height mixed without red oxide pigment to match the colour bricks.	1386	%Sft	2776.76	(Rupees Two Thousand Seven Hundred Seventy Six PaisaSeventy Six Only)
30	Grouting 4-1/2" thick dry bick work with cement mortar 1:3 C/S for roof treatment.	31800	%Sft	2027.82	(Rupees Two Thousand Twenty Seven PaisaEighty Two Only)

S.#	Description of Items.	Qty	Unit	Rate	Figure in Words
31	Providing and fixing M.S. angle iron 1½"x1½"x¼" (40x40x6 mm) edge protector nozing of steps of stairs, having holdfast or 3/8" (10 mm) dia M.S. bars 8" (200 mm) long welded at 2' (600 mm) centre to centre and embedded in cement concrete on steps, complete in all respects.	3522	P.Rft	310.37	(Rupees Three Hundred Three PaisaThirty Seven Only)
32	Excavation in foundation for buildings bridges and other structure, i/c dag-belling dressing refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5ft by excavator in ordinary soil	17570	%OCft	8596.93	(Rupees Eight Thousand Five Hundred Ninety Six PaisaNinety Three Only)
33	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth rock, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	5309	%OCft	6110.94	(Rupees Six Thousand One Hundred Ten PaisaNinety Four Only)
34	Earth work excavation in open cutting for sewer and manhole as shown in drawings i/c shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle gravel and rock 0' to 7' depth.	210	%OCft	7163.46	(Rupees Seven Thousand One Hundred Sixty Three PaisaForty Six Only)
35	Pacca brick work in cement sand mortar in F&P Ratio1:6.	16132	%Cft	22628.45	(Rupees Twenty Two Thousand Six Hundred Twenty Eight PaisaFourty Five Only)
36	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	22571	P.Sft	124.45	(Rupees One Hundred Two Four PaisaFourty Five Onl
37	Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.	7768	%Cft	12546.84	(Rupees Twelve Thousand Five Hundred Fourty Six PaisaEighty Four Only)
38	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	25224	%OCft	702.06	(Rupees Seven Hundred Two PaisaSix Only)
39	Providing and Laying base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.	252	%Cft	16514.28	(Rupees Sixteen Thousand Five Hundred Fourteen PaisaTwenty Eight Only)
40	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density 4.5% Bitumen 2" thick.	25224	%Sft	10650.12	(Rupees Ten Thousand Six Hundred Fifty PaisaTwelv Only)
41	Dismantling brick work in lime or cement mortar.	12895	%Cft	3448.14	(Rupees Three Thousand Five Hundred Fourty Eight PaisaFourteen Only)
42	Cement concrete brick or stone ballast 1½" to 2" gauge in foundation and plinth (1:6:18).	3451	%Cft	12515.31	(Rupees Twelve Thousand Five Hundred Fifteen PaisaThirty One Only)
43	Cement concrete brick or stone ballast 1½" to 2" gauge in foundation and plinth (1:6:12).	288	%Cft	13915.98	(Rupees Thirteen Thousand Nine Hundred Fifteen PaisaNinety Eight Only)
44	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500 gauge i) 1½" thick (40 mm)	3037	%Sft	6553.65	(Rupees Six Thousand Five Hundred Fifty Three PaisaSixty Five Only)
45	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- ratio 1:6	13253	%Cft	23502.30	(Rupees Twenty Three Thousand Five Hundred Tw PaisaThirty Only)
46	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- ratio 1:4	264	%Cft	24651.55	(Rupees Twenty Four Thousand Six Hundred Fif One PaisaFifty Five Only)
47	¾" thick cement sand plaster (1:4) upto 20' height.	12977	%Sft	3428.88	(Rupees Three Thousand Five Hundred Twenty Eight PaisaEighty Eight Only)
48	½" thick cement sand plaster (1:4) upto 20' height.	2788	%Sft	2556.91	(Rupees Two Thousand Five Hundred Fifty Six PaisaNin One Only)
49	---do--- i/c floating coat 1/32" thick	350	%Sft	4005.57	(Rupees Four Thousand Five PaisaFifty Seven Only)
50	Cement pointing struck joints on walls upto 20' ht 1:2 thick with extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.	35341	%SR	3339.69	(Rupees Three Thousand Three Hundred Thirty Nin PaisaSixty Nine Only)
51	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish	120	%Sft	2274.27	(Rupees Two Thousand Two Hundred Seventy Four PaisaTwenty Seven Only)
52	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-(a) (i) 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) Type C (nominal mix 1: 2: 4)	167	P.Cft	464.72	(Rupees Four Hundred Six Four PaisaSeventy Two Onl

S.#	Description of Items.	Qty	Unit	Rate	Figure in Words
53	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), deformed bar (Grade 40).	512	%Kg	25544.55	(Rupees Twenty Five Thousand Five Hundred Forty Four PaiseFifty Five Only)
54	Supplying filling sand under floor or plugging in well.	512	%Cft	2820.25	(Rupees Two Thousand Eight Hundred Twenty PaiseTwenty Five Only)
55	Cement concrete plain i/c placing compacing finshing and curing complete i/c screeing and washing of stone aggregate:- (1:4:8)	64	%Cft	28536.78	(Rupees Twenty Eight Thousand Five Hundred Thirty Six PaiseSeventy Eight Only)
56	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP / rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	10	Each	13707.06	(Rupees Thirteen Thousand Seven Hundred Seven PaiseSix Only)
57	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	20	Each	6501.00	(Rupees Six Thousand Five Hundred One Only)
58	P/F, C.P tee stop cock 1/2" dia.	106	Each	872.91	(Rupees Eight Hundred Seventy Two PaiseNinety One Only)
59	P/F, P trap 4" dia glazed.	105	Each	215.12	(Rupees Two Hundred Fifteen PaiseTwelve Only)
60	P/F 1/2" dia Muslim Shower of Fasial / Master comprising of 1/2" dia one-meter long rubber /CP flexible pipe and hand shower set complete in all respects as approved and directed by the Engineer Incharge	10	Each	3785.45	(Rupees Three Thousand Seven Hundred Eighty Five PaiseFourty Five Only)
61	P/L, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned). PN-20 pipe (3/4") 25 mm	450	P-Rft	52.75	(Rupees Fifty Two PaiseSeventy Five Only)
62	-do- 32mm	500	P-Rft	84.51	(Rupees Eighty Four PaiseFifty One Only)
63	P/L, cutting, testing and disinfecting PVC pipe line of BSS Class "B" working pressure in trenches 4" dia	250	P.Rft	376.96	(Rupees Three Hundred Seventy Six PaiseNinety Six Only)
64	- do - 2"dia. BSS Class "D"	200	P.Rft	174.49	(Rupees One Hundred Seventy Four PaiseFourty Nine Only)
65	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4"dia.	61	Each	470.19	(Rupees Four Hundred Seventy PaiseNineteen Only)
66	Providing and installing P.V.C. Socket, of B.S.S. Class 'B' working pressure 4"dia.	20	Each	282.35	(Rupees Two Hundred Eighty Two PaiseThirty Five Only)
67	Providing and installing P.V.C. Tee of B.S.S. Class 'B' working pressure 4"dia.	30	Each	1335.17	(Rupees One Thousand Three Hundred Thirty Five PaiseSeventeen Only)
68	P/F CP Bath Room Set made of Sonex / Master / Faisal comprising of lever type Basin Mixer, complete in all respect as approved and directed by the Engineer incharge.	35	Each	6384.33	(Rupees Six Thousand Three Hundred Eighty Four PaiseThirty Three Only)
69	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects:-) PN-6 (SDR-26) iij) 125 (5")	90	P.Rft	259.74	(Rupees Two Hundred Fifty Nine PaiseSeventy Four Only)
70	----- do ----- 110 (4")	634	P.Rft	202.91	(Rupees Two Hundred Two PaiseNinety One Only)
71	----- do ----- 90 (3")	1632	P.Rft	134.70	(Rupees One Hundred Thirty Four PaiseSeventy Only)
72	S/E of PVC pipe wiring recessed in wells i/c inspection boxes, pull boxes cutting repairing surface 3/4"dia.	750	P Rft	184.64	(Rupees One Hundred Eighty Four PaiseSixty Four Only)
73	- do - 1"dia.	1400	P Rft	244.77	(Rupees Two Hundred Forty Four PaiseSeventy Seven Only)
74	S/E of PVC insulated copper conductor cable in pre-laid PVC M.s conduit / G.I pipe rate for cable only. 3/0.029.	9000	P Rft	20.64	(Rupees Twenty PaiseSixty Four Only)
75	- do - 7/0.029" PVC cable	5500	P Rft	33.44	(Rupees Thirty Three PaiseFourty Four Only)
76	- do - 7/0.044" PVC cable	5000	P Rft	60.23	(Rupees Sixty PaiseTwenty Three Only)
77	- do - 7/0.036" PVC cable	5000	P Rft	43.39	(Rupees Fourty Three PaiseThirty Nine Only)

S.#	Description of Items.	Qty	Unit	Rate	Figure in Words
78	S/E of ceiling rose bakelite large size.	50	Each	55.06	(Rupees Fifty Five PaisaSix Only)
79	Provision for main suply coable 4-core non-armoured (19/0.083)	303	P.Rft	2565.97	(Rupees Two Thousand Five Hundred Sixty Five PaisaNinety Seven Only)
80	Provision for main suply coable 4-core non-armoured (37/0.083)	208	P.Rft	4473.23	(Rupees Four Thousand Four Hundred Seventy Three PaisaTwenty Three Only)
81	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 i/c Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps G.E.C. design i/c Supply and fitting of mercury vapour lamp, complete with choke set 125 watt lamp	8	Each	7273.63	(Rupees Seven Thousand Two Hundred Seventy Three PaisaSixty Three Only)
82	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge (One way Gange Switch)	100	Each	338.64	(Rupees Three Hundred Thir Eight PaisaSixty Four Only)
83	----- do ----- One way Gange Switch Large (04 Gange)	80	Each	705.06	(Rupees Seven Hundred Fiv PaisaSix Only)
84	----- do ----- One way Gange Switch Large (06 Gange)	50	Each	1240.51	(Rupees One Thousand Two Hundred Fourty PaisaFifty One Only)
85	Supplying and Errection of Fan Dimmer (Bush Hilife made) complete in all respects as approved by the Engineer Incharge.	300	Each	442.66	(Rupees Four Hundred Fourt Two PaisaSixty Six Only)
86	S/O Three Pin Power Plug 15-32 Amp (Hi-Life made)	65	Each	663.69	(Rupees Six Hundred Sixty Three PaisaSixty Nine Only)
87	Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete double rod (80 watts) with two chokes and 2 starters.	150	Each	1787.18	(Rupees One Thousand Seve Hundred Eighty Seven PaisaEighteen Only)
88	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	6	Each	7899.95	(Rupees Seven Thousand Eight Hundred Ninety Nine PaisaNinety Five Only)
89	S/E of swtich 5-Amp piano type.	50	Each	59.79	(Rupees Fifty Nine PaisaSeventy Nine Only)
90	Errection of ceiling fan alongwith regulator all size i/c carriage from store to site of work electric wire / cable for suspensing rod and board connection and cutting threading on the rod where necessary.	50	Each	378.58	(Rupees Three Hundred Seventy Eight PaisaFifty Eigh Only)
91	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (plastic body 12" sweep)	15	Each	2168.82	(Rupees Two Thousand One Hundred Sixty Eight PaisaEighty Two Only)
<u>Non-Standardised Items</u>					
1	P/L Anistatic vinyl flooring 3 mm thickness, properly welded at edges and joints according to the latest international O.R. standards. Electrical discharge flooring with heat welding joint, fire rating 685 electrical resistances 10x6. anti bacterial and fungus resistance nontoxic halogen free adhesive and copper strip complete in all respect as approved by the Engineer Incharge.	1165	P. Sft	725.76	(Rupees Seven Hundred Twenty Five Paisa Seventy Si Only)
2	P/F Lead Lining 3mm Thick Lead Sheet With Wall For Radiation Protection Upto Roof Height As Per Instruction & Covering With Mdf Board 3/4" Thick Panelling I/C Frame Of Kail Wood 1-1/2"x2" I/C Termite Proofing & Fancy Deaodar Wood Beading Complete In All Respect And As Approved / Directed By The Engineer Incharge Also Approved The Radiation Protecting Agency Etc.	688	P. Sft	816.00	(Rupees Eight Hundred Sixteen Only)
3	supply and istalation of conventional photoelectric heat detector manufactured by context plus UK complete in all respect as approved by the engineer incharge	10	Each	3360.00	(Rupees Three Thousand Three Hundred Sixty Only)
4	supply and istalation of conventional photoelectric smoke detector manufactured by context plus UK complete in all respect as approved by the engineer incharge	247	Each	3360.00	(Rupees Three Thousand Three Hundred Sixty Only)
5	supply and istalation of conventional manual call point manufactured by context plus UK complete in all respect as approved by the engineer incharge	90	Each	2880.00	(Rupees Two Thousand Eigh Hundred Eighty Only)
6	supply and istalation of conventional sounder manufactured by context plus UK complete in all respect as approved by the engineer incharge	35	Each	4320.00	(Rupees Four Thousand Thre Hundred Twenty Only)
7	supply and istalation of conventional fire alarm control panel manufactured by context plus UK complete in all respect as approved by the engineer incharge	1	Each	72000.00	(Rupees Seventy Two Thousand Only)
8	S/E of single core 1.5 mm fire resistant wire PVC pipe PVC flexible pipe with pvc supported and fitting etc complete in all respect as approved by the Engineer Incharge	8500	P. Rft	187.20	(Rupees One Hundred Eighty Seven PaisaTwenty Only)
9	P/F, glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured (Porta Squating Pan Orissa HD77)	61	Each	6528.00	(Rupees Six Thousand Five Hundred Twenty Eight Only)
10	P/F glazed earthen W.H.B 22"x16" i/c bracket set waste pipe and waste coupling coloured with pedestal. (PORTA) Model No. HDLP 2034AH)	35	Each	12000.00	(Rupees Twelve Thousand Only)
11	P/F, Plastic made low down flushing cistern 13,63 litres (3 glns) capacity, i/c bracket set, copper connection coloured (Faisal made 4201 Nigra Flush Tank Plastic)	61	Each	4032.00	(Rupees Four Thousand Thirti Two Only)
12	P/F C.P bib cock 1/2" dia (master modle 084 Ecomony bib cock).	200	Each	2016.00	(Rupees Two Thousand Sixteen Only)

S.#	Description of Items.	Qty	Unit	Rate	Figure in Words
13	Supplying and Errection of Universal Plug Multi Function (Bush Hlife made) complete in all respects as approved by the Engineer Incharge.	150	Each	518.40	(Rupces Five Hundred Eighteen PaisaFourty Only)
14	S/E of LED light 24 watts (Philips or Eq made) complete in all respect as approved by the Engineer Incharge	200	Each	537.60	(Rupces Five Hundred Thirty Seven PaisaSixty Only)
15	SUPPLY AND ERRECTION OF LED LIGHT 2'X2' SIZE RECESSED IN FALS CEILING COMPLETE WITH 50-WATT'S WITH FANCY COVER COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE	20	Each	5472.00	(Rupces Five Thousand Four Hundred Seventy Two Only)

The approval is further subject to the following:-

- 1 In case of any mistake ommission / deficiency in the description of items, alongwith relevant specifications, the description of items and specifications displayed on Website, Government of the Punjab, shall be applicable for standardized items and for non-standardized items, original detailed estimate is to be referred.
- 2 The quantities of items should not exceed those provided in the technically sanctioned estimate in any case.
- 3 No New / Additional Non standardized items shall be executed without prior approval of competent authority.
- 4 Schedule of payment to the contractor will be followed as per tender conditions.
- 5 The Working Schdule should be submitted to the Sub Divisional Officer Incharge within seven days after issuance of work order.
- 6 The foundation / structural design may be followed of P&D Directorate of Buildings Department.
- 7 The scheme stands sanctioned technically amounting to Rs.83.544 (M) by Chief Engineer Punjab Buildings Department (Central Zone) Lahore vide No.CEB(CZ)9973/D(1), dated 01-02-2022.
- 8 Tender has been approved with a premium of 1.74% below on corresponding TS amount.
- 9 The Bid Price of Rs.79,896,452/- Includes Rs.75723706/- as cost of items of work and Rs.4172746/- as 5% PST. In Compliance of the Government of Punjab Finance Department Notification No.RO(Tech)FD1-2/20,dated 04-09-2012 the Performance Security deposited by a Contractor (in cash or other forum) shall be refunded to him after the expiry of Three Months of issuance of the Certificate of Completion of the work under Clause-40 thereof.

EXECUTIVE ENGINEER
Buildings Division T.T.Singh

Endst: No. 2581-84 Dated 13/05/2022.

A copy is forwarded to:-

- 1 The Chief Engineer Punjab Buildings Department (Central Zone) Lahore with reference to his Memo CEB(CZ)/Tender/128/W(I) dated 18-04-2022.
- 2 The Superintending Engineer Buildings Circle No.2 Faisalabad with reference to his Endst: No.1340, dated 12-05-2022.
- 3 The Sub Divisional Officer, Buildings Sub Division, Kamalia for information and necessary action. Necessary directions may be given to the contractor immediately. He should ensure that the work is executed strictly in accordance with the approved specifications and observance of strict financial regularities. He should also ensure that quantities and specifications as mentioned in the Technically Sanctioned Estimate are not changed without prior written approval of competent authority. The payment of non-schedule items are subject to the approval from the competent authority.
- 4 The Accounts Branch / Head Draftsman (Local) For agreement (Head Clerk).

EXECUTIVE ENGINEER
Buildings Division T.T.Singh

OFFICE OF THE MEDICAL SUPERINTENDENT
TEHSIL HEADQUARTERS HOSPITAL KAMALIA

Email: tehsilhq@punjab.gov.pk

The Executive Engineer
Buildings Division
Toba Tek Singh

No. 526

Dated 21/02/2021

Subject: ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL KAMALIA.

As directed by the director project management and P&S Department vide letter No.809/BRU, dated 25.11.2020 you are requested to prepare rough cost estimate for the subjected scheme to cover the following scope:

1. Internal Development

Internal Development of Existing Building / Revamping for laying of floor tiles in clinical building in offices of size 2 x 2, wall dado of size 18 x 12, replacement of window with aluminum window, replacement of broken flush doors, main entrance door of aluminum, wall paneling and ceiling in ward, kitchen and ICU where required, anti synthetic floor in OT, entrance part of building, replacement of bathroom doors with PVC doors, replacement of door and window.

2. Public health of existing clinical block with master hand falling, lavatory, mixture etc.

3. Integrated E.T work

4. External Development

1. Full Tile & Asphalt Road

2. Boundary wall

3	External Water Supply
4	Water Filtration Plant
5	External Electrification
6	Emergency Equipment and exit plan
7	Fire fighting arrangements

[Signature]
MEDICAL SUPERINTENDENT
 Tehsil Headquarter Hospital
 Kamalia

Copy Forwarded to:

1. The Deputy Commissioner/ Administrator, DHA, Toba Tek Singh.
2. The Chief Executive Officer, DHA, Toba Tek Singh

MEDICAL SUPERINTENDENT
 Tehsil Headquarter Hospital
 Kamalia

Scanned with CamScanner



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No. PMU/(P&SHD)/2020/731
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 (Center Zone)
Government of the Punjab,
Buildings Department,
Lahore.

801 / BHU o/c

SUBJECT: COST ESTIMATES FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS

Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospitals have been divided in to two Phases of Revamping Program i.e. Phase - I (25 DHQ and 15 THQ Hospitals Annexure - A) and Phase - II (Remaining Hospitals Annexure - B). P&SHD has carried out the civil works under revamping program in Phase - I hospitals through Infrastructure Development Authority Punjab (IDAP). The scope of work of the revamping civil works was I) Internal Development II) External Development and III) External Electrification. As of now around 80% of work on these schemes has been completed by IDAP. No reasonable revamping civil works has been carried out in Phase - II Hospitals up till now.

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

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

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4. In view of all above, it is requested to prepare the cost estimates for THQ Hospitals (clinical building only) for Center 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.

Farhan
(Farhan 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) Jhang ii) Chinot iii) Toba Tek Singh iv) Faisalabad v) Lahore vi) Nankana vii) Shiekhupura viii) Okara and ix) Lahore 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

Annexure (A)

Sl. No.	Name of Hospital	Location	
1	DHQ Hospital Hafizabad	Hafizabad	North
2	DHQ Hospital M.B. Din	M.B. Din	
3	DHQ Hospital Narowal	Narowal	
4	THQ Hospital Kamoke	Gujranwala	
5	Civil Hospital Daska	Slalkot	
6	DHQ Hospital Chakwal	Chakwal	
7	DHQ Hospital Jehlum	Jehlum	
8	DHQ Hospital Attock	Attock	
9	THQ Hospital Hazro	Attock	
10	DHQ Hospital Mianwali	Mianwali	
11	THQ Hospital Isa Khel	Mianwali	
12	DHQ Hospital Bhakhar	Bhakhar	
13	DHQ Hospital Khushab	Khushab	
14	THQ Hospital Noor Pur Thal	Khushab	
15	DHQ Hospital T.T. Singh	T.T. Singh	Central
16	Govt. Eye-Cum-General Hospital Gojra	T.T. Singh	
17	DHQ Hospital Jhang	Jhang	
18	DHQ Hospital Chinlot	Chinlot	
19	DHQ Hospital Sheikupura	Sheikupura	
20	DHQ Hospital Nankana	Nankana	
21	DHQ Hospital Kasur	Kasur	
22	DHQ Hospital Okara	Okara	
23	DHQ Hospital Okara South City	Okara South City	
24	DHQ Hospital Pakpattan	Pakpattan	
25	THQ Hospital Arifwala	Pakpattan	
26	THQ Hospital Chichawatni	Sahiwal	
27	DHQ Hospital Bahwalnagar	Bahwalnagar	South
28	THQ Hospital Chishtian.	Bahawalnagar	
29	THQ Hospital Ahmadpur East.	Bahawalpur	
30	DHQ Hospital Layyah	Layyah	
31	DHQ Hospital Rajanpur	Rajanpur	
32	DHQ Hospital Muzaffargarh	Muzaffargarh	
33	THQ Hospital Taunsa	DG Khan	
34	THQ Hospital Kot Adu	Muzaffargarh	
35	DHQ Hospital Vehari	Vehari	
36	DHQ Hospital Khanewal	Khanewal	
37	DHQ Hospital Lodhran	Lodhran	
38	THQ Hospital Burewala	Vehari	
39	THQ Hospital Mian Channu	Khanewal	
40	THQ Hospital Shujabad	Multan	

Annexure (A)

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

11
Facade
Dn-ort

be incorporated keeping in view the current distributive and future electric load of the complex

Provisions of external pole lights should be made within the clinical blocks of hospital.

Provision of complete earthing and lighting protection system for clinical blocks including all electrical equipment.

External Waiting Area and Parking Facility

External waiting area should be provided according to the space requirement.

Parking facility should be provided according to the space requirement.

B. Internal Development

Tile work

Suitable tile work for flooring and skirting/dado (5") by keeping in view the existing and adjacent tile work condition should be proposed in complete hospital. (Provisions of 2' x 2' full body porcelain tile for flooring and 2' x 1' for dado are suggested to match with the tile work of already revamped 40 DHQ/THQ Hospitals).

The tile work where found in good condition should only be incorporated for minor repair rather than complete replacement.

Ramps and Stairs

Coarse Grained / Rough Textured / Anti-skid flooring should be proposed on the ramp/stretchers way along with guard and handrails for stable movement of stretchers on ramp and patient/attendants on stairs should be proposed.

Paint and dampness works

Paint work type on interior and exterior side of clinical blocks of hospital should be assessed by keeping in view the existing paint condition of hospital

Assessments regarding elimination of dampness origin or source and regarding concealment of existing dampness should be made and appropriate solutions should be incorporated

Flooring, Ceiling and Wall requirements of high cleanliness requiring areas like Operation Theaters (OTs), Gynecology OT, Labor room and ICU cum CCU should be incorporated with Anti-Bacterial Material (Provision of Antistatic, Antimicrobial Vinyl

Flooring and Wall panels with monolithic false ceiling of gypsum or non-porous aluminum are suggested)

Provision of lead lining in X-Ray Rooms should be made.

equipment should be incorporated or any other electrical rectification should be done. Replacement of electric fuses, under sized power panels, switches for appliances and current distributive and future electric load of the Hospital building. distribution panel to sub distribution panel) should be incorporated keeping in view the provisions of power supply cable (4 - Core), distribution power panels (from main in wiring system should be made for all electrical equipment/appliances.

the distributive load of hospital and possible replacements, up gradations or additions Existing internal wiring system of hospital should be considered by keeping in view requirement of hospitals power and other details of illuminating devices meeting with the standards of light.

Internal Electrification

The nursing counters should be provided covering all the wards

existed blocks of hospital building and repair/rehabilitation should be done where already provision of reception counters should be made at main entrance lobby of separate required and replacement should be given where repair not possible. The repair of corridor wire mesh and grills of windows should be incorporated where aluminium windows are suggested).

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

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

Internal Fixtures

elevation shown below depending upon the existing facade.

Provision for addition/allocation of portico should be made or uplifted according to uplifting in hospital. selected from the elevations shown below depending upon existing facade for facade in order to match with Facade already revamped by IDAP. Suitable options may be

Facade Improvement

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Provision of Automatic Transfer Switches (ATS) for all existing generators, if not 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 blocks 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

To,
The Executive Engineer,
Building Division,
Toba Tek Singh.

Subject: - CONSTRUCTION OF BOUNDARY WALL ON LAND ACQUIRED FOR UP-GRADATION/EXTENSION OF THQ HOSPITAL KAMALIA UNDER REVAMPING WORK.

With reference to the subject cited above.

It is hereby submitted that this health facility has acquired adjacent land situated at chak no 711/GB for up gradation/extension under a development scheme titled as "Land Acquisition for Extension of THQ Hospital Kamalia District Toba Tek Singh" The detail of the land including map and measurement is attached herewith.

The undersigned has desired to construct a boundary wall with fencing on this new acquired land and also install two gate one from hospital side and other one from Chak No. 711/GB side.

Besides, as already civil work in this hospital is in process by your department regarding construction of boundary wall, revamping of clinical block, external electrification, sewerage work and metal road etc. It is hereby desired fix fencing on boundary wall which is already in process under revamping work, there is also needed underground wiring of CCTV cameras and internet wires under electrification work, install a separate gate valves in sewage pipeline at outside each ward/block and build building plinth protection.

Furthermore, as this hospital is situated very low surface from main Chichawatni Toba road, raining water flow toward hospital it is hereby requested, construct main existing metal road after upraise.

It is submitted for your further needful please.


MEDICAL SUPERINTENDENT
T.H.Q. HOSPITAL KAMALIA

Copy forwarded to: -

1. The Director Infrastructure PMU, P&SHD, Lahore
2. The Chief Executive Officer (DHA), Toba Tek Singh.
3. The Assistant Commissioner, Kamalia District Toba Tek Singh
4. Office Copy


MEDICAL SUPERINTENDENT
T.H.Q. HOSPITAL KAMALIA

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MINUTES OF MEETING
Communication & Works Department

Meeting Title/Project: Kick-off Meeting THQ Kamalian with PMU Team

Date: 12/04/2022

Time: 03:00

Location: THQ Hospital Kamalian

ATTENDEES

NAME	Designation
Mr. Hamza Naseem	Project Manager (Civil), PMU
Mr. Shahzaib Asif	Project Manager (Electrical), PMU
Mr. Irfan	Sub-Divisional Officer (building), C&W —
Dr. Jawad	Medical Superintendent (MS) THQ Hospital Kamalian —

MINUTES

Sr. #	AGENDA ITEM	Remarks
1	Meeting Agenda: 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work	
2	1. Introduction: Mr. Hamza Naseem, Project Manager Civil, led the kick-off meeting for THQ Kamalian. He introduced his team to C&W and hospital staff. Mr. Irfan, Sub Divisional Officer C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C & W that any civil or electrical work not mentioned in the minutes of meeting and taken in the estimate should not be executed without the written approval from PMU. 2. Generalized Site Decision: 2.1 Internal Development (To be Executed in Non-Revamped Areas) a. Flooring and Skirting/Dado Flooring and dado should be fixed in areas where existing tiles are damaged/ broken. b. Paint Paint work should be done in all areas and on all doors. Vinyl emulsion Ash white paint should be used on walls and Matt Enamel Ash white on doors. c. Windows All damaged windows should be replaced/repaired. d. Doors All damaged doors should be replaced/repaired or existing wooden doors should be repainted.	

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MINUTES OF MEETING

Communication & Works Department

18

	<ul style="list-style-type: none"> ❖ All external cables should be laid underground in trench and should be laid in conduits at road crossings and traffic routes. ❖ Outgoing wires of generators should be replaced as per requirement. ❖ All extra turnover switches and generator switches should be removed. ❖ New ATS Panels should be installed inside Electrical Room. ❖ Two operational transformers working on dual supply should be connected to generators through ATS Panels. ❖ Three ATS panels should be installed. One for controlling dual supply and the other two for connecting generators to transformer. ❖ New underground cable should be installed for existing DB (present at roof) for ACs. ❖ All cables going over the roof should be removed and replaced with underground cables. ❖ New MDBs should be installed inside electrical room which will get supply from ATS Panels and will be connected to DBs of individual blocks. ❖ Minor renovation of Electrical Control Room for installation of Main Distribution Panels and connection of Electrical Supply to Hospital. ❖ Supply and Installation of Main Panel Board in Electrical Control Room including power factor improvement and voltage regulator complete in all respects. ❖ Complete Earthing System including Circuit Protective Conductor and Lightning Protection System for the Hospital to be provided as per standards. 	
4	<p>3. Specified Instructions Area-wise The following general decision were taken for THQ Kamalian.</p> <p>3.1 Internal Development</p> <p>a. OPD Block</p> <ul style="list-style-type: none"> • China Verona marble to be laid on Podium and Main Entrance steps. • Full body porcelain tiles needs to be laid wherever missing in the rooms/corridors. • Already existing full body porcelain tiles should not be dismantled and must be retained. • Porcelain glazed tiles be laid in dado instead ceramic tiles in rooms and corridors. • The outer corridor of OPD where marble is fixed needs to be replaced with matching full body porcelain 2ft. by 2ft. colored tiles. • All cemented benches to be broken from Reception. • Expand the Entrance door and replace it with Aluminum door. • Public/ Attendant washrooms in OPD needs to be revamped completely. • Mesh to be fixed on windows in main corridor leading from OPD Block to OT Block. 	

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MINUTES OF MEETING

Communication & Works Department

	<p>c. External Sewerage line to be repaired, assessed and rehabilitated by retaining the existing functional sewerage system components.</p> <p>d. Boundary wall to be constructed.</p> <p>e. MS wants to include road shoulders in to road by fixing tuff tiles on the shoulders.</p>	
5	<p>4. <u>Priority of work</u></p> <p>4.1 <u>Priority 1</u></p> <p>3.1a, b, c. 3.2 a,b,c,d,e.</p> <p>4.2 <u>Priority 2</u></p> <p>3.2 f.</p> <p>4.3 <u>Priority 3</u></p>	

Project Manager (Civil)
PMU, P & SHD

Project Manager (Electrical)
PMU, P & SHD

Admin Officer
THQ Hospital Kamalian

Medical Superintendent
THQ Hospital Kamalian

Sub Divisional Officer
Buildings Sub Division,
Kamalian

Executive Engineer
Buildings District,
Toba Tek Singh

Director Infrastructure
PMU, P & SHD

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MINUTES OF MEETING

Communication & Works Department

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	<p>c. External Sewerage line to be repaired, assessed and rehabilitated by retaining the existing functional sewerage system components</p> <p>d. Boundary wall to be constructed</p> <p>e. MS. wants to include road shoulders in to road by fixing tuff tiles on the shoulders</p>	
5	<p>4. <u>Priority of work</u></p> <p>4.1 <u>Priority 1</u></p> <p>3.1a, b, c. 3.2 a,b,c,d,e.</p> <p>4.2 <u>Priority 2</u></p> <p>3.2 f.</p> <p>4.3 <u>Priority 3</u></p>	

Project Manager (Civil)
PMU, P & SHD

Project Manager (Electrical)
PMU, P & SHD

Admin Officer
THQ Hospital Kamalian

Medical Superintendent
THQ Hospital Kamalian

Sub Divisional Officer
Buildings Sub Division,
Kamalian

Executive Engineer
Buildings District,
Toba Tek Singh

Director Infrastructure
PMU, P & SHD

Page 5 of 5

Sr #	Description of items	As per Rough Cost Estimate.				As per Amended R.C.Estimate				Excess / Saving		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
11	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x24"/12"x36")	90	Sft	P.Sft	200.00	18000	90	Sft	P.Sft	314.30	28287	10287
12	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gables fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	75	Rft	P.Rft	2,314.00	173550	75	Rft	P.Rft	1775.10	133133	-40418
13	Dismantling glazed or encaustic tiles, etc.	7638	Sft	%sft		0	7638	Sft	%sft	1932.50	147604	147604
14	Removing cement sand mortar upto 5'.	36712	Sft	%Sft	296.10	108704	36712	Sft	%Sft	343.20	1258360	-13068
15	Removing door with chowkat.	159	No	Each	295.15	46929	159	No	Each	362.35	57614	10685
16	Removing windows and sky lights with chowkat.	183	No	Each	228.35	41788	183	No	Each	283.15	51816	10028
17	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge 1.6mm thick.	5285	Sft	P.Sft	692.85	3661712	5285	Sft	P.Sft	606.50	3205353	-456360
18	P/F Aluminum Fly screen comprising of Fiber/ Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.						2642.50	Sft	P.Sft	688.35	1818965	1818965

Sr #	Description of items	As per Rough Cost Estimate.				As per Amended R.C.Estimate				Excess / Saving		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
19	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge (i) 3/8" Squar Bars)	4697	Sft	P.Sft	277.70	1304357	4697	Sft	P.Sft	647.75	3042482	1738125
20	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer Incharge	714	Sft	P.Sft	568.55	405945	714	Sft	P.Sft	716.50	511581	105636
21	Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge	42	No	Each	2,250.00	94500	42	No	Each	2641.55	110945	16445
22	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. B) Brass 12" (300 mm) long	102	No	Each	369.70	37709	102	No	Each	1261.55	128678	90969
23	P/F tower bolt 3/4"	102	No	Each	369.70	37709	102	No	Each	369.70	37709	0
24	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercialply compressed over 2.5 mm thick commercialply over 1" thick packing wood instyle and rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lippingas approved and directed by the Engineer Incharge. <i>with out chowkat</i>	1785	Sft	P.Sft	383.00	683655	1785	Sft	P.Sft	453.75	809944	126289

Sr #	Description of items	As per Rough Cost Estimate.				As per Amended R.C.Estimate				Excess / Saving		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
25	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercialply compressed over 2.5 mm thick commercialply over 1" thick packing wood instyle and rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lippingas approved and directed by the Engineer Incharge. (single Rebate) <i>with chough</i>	1785	Sft	P.Sft	244.00	435540	1785	Sft	P.Sft	792.95	1415416	979876
26	Provide and fix 2'-6" x7'-0" Deluxe U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Doorframe KB1) including latch lock of approved or equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.	1474	Sft	P.Sft	650.00	958100	1474	Sft	P.Sft	850.00	1252900	294800
27	Preparing surface and painting with emulsion paint:- 2 coat on old surface.	74668	Sft	%Sft	1,412.40	1054611	74668	Sft	%Sft	1781.95	1330546	275936
28	Distemping on old surfaces (one coats)	35390	Sft	%Sft	339.95	120308	35390	Sft	%Sft	497.05	175906	55598
29	Provision for anti santhetic vinyl flooring 2mm thick of approved manufacturer TK floor the floor should be fire resistance and sound absorbent the floor should be self leveling compound for smooth floor as approved by the Engineer Incharge.	920	Sft	P.Sft	950.00	874000	1165	Sft	P.Sft	950.00	1106750	232750
30	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'1/2'x3'1/3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle1"x1" at wall sides, galvanized tee 1 1/4"x1" and 1 1/2"x1" both at 4'c/c (made of Taiwan CKM or equivalent), hanging with G.I/ Copper wire 16 SWG, G.Ihook, Rawa Plug etc:complete in all respects as approved and directed by the Engineer Incharge (9 mm thick)	1875	Sft	P.Sft	80.00	150000	710	Sft	P.Sft	83.05	58966	-91035
31	P/F of antibacterial false ceiling system (DAMPA) white colour powder coated 0.6-0.7 mm thickness non perforated sheets in white colour fixed with aluminium profiles etc complete in all respect as approved by the engineer incharge.						1165	Sft	P.Sft	516.00	601140	601140
32	P/F of Hyganic Wall Paneling (Import) UK made 2.5 mm thickness sheet of size 3000 x 1200 mm seamless welding etc complete in all respect as approved by the engineer incharge.						2353	Sft	P.Sft	3060.00	7200180	7200180
33	P/F Leed sheet 2mm thick	688	Sft	P.Sft	979.00	673552	688	Sft	P.Sft	1150.00	791200	117648

Sr #	Description of items	As per Rough Cost Estimate.				As per Amended R.C.Estimate				Excess / Saving		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
34	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: on new surface.	34647	Sft	%Sft	942.85	326669	34647	Sft	%Sft	1723.15	597020	270351
35	Cement pointing (1:2) deep struck joint on wall upto 20' height mixed without red oxide pigment to match the colour bricks.	1386	Sft	%Sft	2,715.45	37636	3465	Sft	%Sft	2819.05	97680	60044
37	Cement point Flush pointing 1:2 on floor. (Roof)	31800	sft	%Sft	1,697.65	539853	31800	Sft	%Sft	2058.70	654667	114814
38	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Colorand Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles II (600mmx 600 mm)	2609	sft	Psft	207.00	540063	2609	sft	Psft	302.30	788701	248638
39	S.S angle iron for Edge protection	2474	Rft	P.Rft	85.00	210290	2472	Rft	P.Rft	450.00	1112400	902110

Total Rs 38564774

(-) 1021100

Total Rs 37543674 ✓


Total Rs 55441842 16877068


(-) 979500 -41600

Total Rs 54462342 16918668

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D/D COST OF OLD MATERIAL


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA

EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.


COMPARATIVE STATEMENT OF PUBLIC HEALTH PORTION


(Based on 1st Bi-annual 2022)

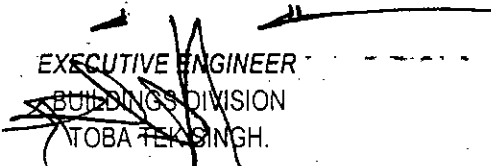
Sr #	Description of items	As per A.A				As per Amended R.C.Estimate				Excess /Saving	Remarks		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount				
1.	P/F, glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured (Porta Squating Pan Orissa HD77)	61	No.	Each	4500.00	274500	61	No.	Each	6800.00	414800	140300	
2.	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP / rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	10	No.	Each	13000.00	130000	10	No.	Each	13915.80	139158	9158	
3.	P/F glazed earthen W.H.B 22"x16" i/c bracket set waste pipe and waste coupling coloured with pedestal. (PORTA) Model No. HDLP 2034AH)	35	No.	Each	2698.55	94449	35	No.	Each	12500.00	437500	343051	
4.	P/F, Plastic made low down flushing cistern 13,63 litres (3 glns) capacity, i/c bracket set, copper connection coloured (Faisal made 4201 Nigra Flush Tank Plastic)	61	No.	Each	2700.00	164700	61	No.	Each	4200.00	256200	91500	
5.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer incharge.	20	No.	Each	4200.00	84000	20	No.	Each	6600.00	132000	48000	
6.	P/F, C.P tee stop cock 1/2" dia.	106	No.	Each	454.80	48209	106	No.	Each	886.20	93937	45728	
7.	P/F, P trap 4" dia glazed.	105	No.	Each	141.60	14868	105	No.	Each	218.40	22932	8064	
8.	P/F C.P bib cock 1/2" dia (master modle 084 Ecomony bib cock).	100	No.	Each	950.00	95000	200	No.	Each	2100.00	420000	325000	
9.	P/F 1/2" dia Muslim Shower of Fasial / Master comprising of 1/2" dia one-meter long Rubber /CP flexible pipe and hand shower set complete in all respects as approved and directed by the Engineer Incharge	10	No.	Each	1100.00	11000	10	No.	Each	3843.10	38431	27431	
10.	P/F Poly Propylene Random Copolymer (PPRC) Pipe (Dadex / Beta / BBJ) 25 mm	450	Rft	P-Rft	53.00	23850	450	Rft	P-Rft	53.55	24098	248	
11.	-do- 32mm	500	Rft	P-Rft	79.00	39500	500	Rft	P-Rft	85.80	42900	3400	
12.	P/L, cutting, testing and disinfecting PVC pipe line of BSS Class "B" working pressure in trenches 4" dia	250	Rft	P.Rft	173.15	43288	250	Rft	P.Rft	382.70	95675	52387	
13.	- do - 2" dia. BSS Class "D"	200	Rft	P.Rft	83.05	16610	200	Rft	P.Rft	177.15	35430	18820	

Sr #	Description of items	As per A.A				As per Amended R.C.Estimate				Excess /Saving	Remarks		
		Qty		Unit	Rate	Amount	Qty		Unit			Rate	Amount
14.	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4"dia.	61	No.	Each	382.05	23305	61	No.	Each	477.35	29118	5813	
15.	Providing and installing P.V.C. Socket, of B.S.S. Class 'B' working pressure 4"dia.	20	No.	Each	230.75	4615	20	No.	Each	286.65	5733	1118	
16.	Providing and installing P.V.C. Tee of B.S.S. Class 'B' working pressure 4"dia.	30	No.	Each	1106.00	33180	30	No.	Each	1355.50	40665	7485	
17.	P/F CP Bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wallshower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (Lever Type Basin Mixe)	35	No.	Each	5600.00	196000	35	No.	Each	6481.55	226854	30854	

Total = 1297074

Total = 2455431 1158357


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA



EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.


COMPARATIVE STATEMENT OF ELECTRIC INSTALLATION

(Based on 1st Bi-annual 2021)

Sr. No.	Description of items	As per A.A				As per Amended R.C.Estimate				Excess /Saving	Remarks		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount				
1.	S/E of PVC pipe wiring recessed in wells i/c inspection boxes, pull boxes cutting repairing surface 3/4"dia.	750	Rft	P Rft	50.20	37650	750	Rft	P Rft	187.45	140588	102938	
2	- do - 1"dia.	1400	Rft	P Rft	58.45	81830	1400	Rft	P Rft	248.50	347900	266070	
3.	S/E of PVC insulated copper conductor cable in pre-laid PVC M.s conduit / G.I pipe rate for cable only. 3/0.029.	6000	Rft	P Rft	12.50	75000	9000	Rft	P Rft	20.95	188550	113550	
4	- do - 7/0.029" PVC cable	4500	Rft	P Rft	16.80	75600	5500	Rft	P Rft	33.95	186725	111125	
5.	- do - 7/0.044" PVC cable	5000	Rft	P Rft	77.00	385000	5000	Rft	P Rft	61.15	305750	-79250	
	- do - 7/0.036" PVC cable						5000	Rft	P Rft	44.05	220250	220250	
6	S/E of ceiling rose bakelite large size.	50	No.	Each	41.60	2080	50	No.	Each	55.90	2795	715	
7	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (One way Gange Switch)	100	No.	Each	227.00	22700	100	No.	Each	343.80	34380	11680	
8	----- do ----- One way Gange Switch Large (04 Gange)	80	No.	Each	258.00	20640	80	No.	Each	715.80	57264	36624	
9.	----- do ----- One way Gange Switch Large (06 Gange)	50	No.	Each	320.00	16000	50	No.	Each	1259.40	62970	46970	
10	Supplying and Errection of Fan Dimmer (Bush Hillife made) complete in all respects as approved by the Engineer Incharge.	300	No.	Each	275.00	82500	300	No.	Each	449.40	134820	52320	
11.	S/O Three Pin Power Plug i5-32 Amp (Hi-Life made)	65	No.	Each	333.00	21645	65	No.	Each	673.80	43797	22152	
12	Supplying and Errection of Universal Plug Multi Function (Bush Hillife made) complete in all respects as approved by the Engineer Incharge.	150	No.	Each	540.00	81000	150	No.	Each	540.00	81000	0	

Sr. No.	Description of items	As per A.A				As per Amended R.C.Estimate				Excess /Saving	Remarks			
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount					
13.	Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete double rod (80 watts) with two chokes and 2 starters.	150	No.	Each	727.75	109163	150	No.	Each	1814.40	272160	162997		
14	Earthing as per MRS specification.	6	No.	Each	6194.00	37164	6	No.	Each	8020.25	48122	10958		
15.	S/E of switch 5-Amp piano type.	50	No.	Each	38.30	1915	50	No.	Each	60.70	3035	1120		
16	Erection of ceiling fan as per MRS specification.	50	No.	Each	277.15	13858	50	No.	Each	384.35	19218	5360		
17.	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer incharge. (plastic body 12" sweep)	15	No.	Each	2250.00	33750	15	No.	Each	2201.85	33028	-722		
18	S/E of ceiling fan 56" sweep etc. complete.	50	No.	Each	4000.00	200000	50	No.	Each	5800.00	290000	90000		
19.	S/E of LED light 24 watts (Philips / Pak Light made) complete	200	No.	Each	560.00	112000	200	No.	Each	560.00	112000	0		
20	SUPPLY AND ERECTION OF LED LIGHT 2'X2' SIZE RECESSED IN FALS CEILING COMPLETE WITH 50-WATTS WITH FANCY COVER COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE	20	No.	Each	5250.00	105000	20	No.	Each	5800.00	116000	11000		
21.	S/O Main Panel board 60 Amp etc complete.	6	No.	Each	31200.00	187200		No.	Each	31200.00	0	-187200		
					Total	1701695						Total	2700352	998657


SUB DIVISIONAL OFFICER
 BUILDINGS SUB DIVISION
 KAMALIA


EXECUTIVE ENGINEER
 BUILDINGS DIVISION
 TOBA TEK SINGH

COMPARATIVE STATEMENT OF TUFF TILE.

(Based on 1st Bi-annual 2022)


Sr. No.	Description of items	As per Rough Cost Estimate.				As per Amended R.C.Estimate					Excess /Saving			
		Qty		Unit	Rate	Amount	Qty		Unit	Rate		Amount		
1.	Excavation in foundation of building bridges and other Structure i/c dag belling refilling around structure in ordinary soil upto 5' depth.	3327	Cft	%0Cft	7492.30	24927	3327	Cft	%0Cft	8727.85	29038	4111		
2	Dry Rammed Birck ballast 1-1/2" to 2" gauge.	1477	Cft	%Cft	4051.10	59835	1477	Cft	%Cft	4474.80	66093	6258		
3.	Pacca brick work in cement sand mortar in F&P Ratio1:6.	4988	Cft	%Cft	21596.60	1077238	3325	Cft	%Cft	22973.05	763854	-313384		
4	Providing and fixing tuff paver (tile) 60mm thick with 7000-PSi crushing strength (Izhar paver pvt:) i/c grouting with sand In joints complete in all respect and as approved by the Engineer Incharge	22571	Sft	P/Sft	109.25	2465882	22571	Sft	P/Sft	126.35	2851846	385964		
5.	Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth. camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.	7516	Cft	%Cft	11077.16	832559	7516	Cft	%Cft	12737.91	957381	124822		
Total						1160441	Total						4668212	207770

Total Rs:- 4460441

Say Rs:- 4460000

Total ~~4660212~~ 207770

Say ~~4660000~~ 208000


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

LAYING OF TUFF TILES PATHWAYS & CARPATED ROAD.

32

- Excavation in foundation of building bridges and other Structure i/c dag belling refilling around structure in ordinary soil upto 5' depth.

Outer

Circular	1	x	69.000	x	1	x	0.75	=	52	Cft
Main circular	1	x	242.000	x	1	x	0.75	=	182	Cft
inner front	1	x	142.000	x	1	x	0.75	=	107	Cft
	1	x	140.000	x	1	x	0.75	=	105	Cft
Curve	1	x	15.000	x	1	x	0.75	=	11	Cft
Main Building	2	x	53.000	x	1	x	0.75	=	80	Cft
	1	x	116.000	x	1	x	0.75	=	87	Cft
	1	x	547.000	x	1	x	0.75	=	410	Cft
	1	x	281.000	x	1	x	0.75	=	211	Cft
	1	x	355.000	x	1	x	0.75	=	266	Cft
Back/ front	4	x	295.000	x	1	x	0.75	=	885	Cft
From m.gate to residence	2	x	455.000	x	1	x	0.75	=	683	Cft
Front of M.Bldg	2	x	51.000	x	1	x	0.75	=	77	Cft
	2	x	83.000	x	1	x	0.75	=	125	Cft
	1	x	15.000	x	1	x	0.75	=	11	Cft
	2	x	23.000	x	1	x	0.75	=	35	Cft

Total = 3327 Cft

- Dry Rammed Birck ballast 1-1/2" to 2" gauge.

Qty as item No.1 $\frac{3327}{0.750} \times 0.333 = 1477$ Cft

Total = 1477 Cft

- Pacca brick work in cement sand mortar in F&P Ratio 1:6.

Outer

Circular	1	x	69.000	x	0.75	x	1	=	52	Cft
Main circular	1	x	242.000	x	0.75	x	1	=	182	Cft
inner front	1	x	142.000	x	0.75	x	1	=	107	Cft
	1	x	140.000	x	0.75	x	1	=	105	Cft
Curve	1	x	15.000	x	0.75	x	1	=	11	Cft
Main Building	2	x	53.000	x	0.75	x	1	=	80	Cft
	1	x	116.000	x	0.75	x	1	=	87	Cft
	1	x	547.000	x	0.75	x	1	=	410	Cft
	1	x	281.000	x	0.75	x	1	=	211	Cft
	1	x	355.000	x	0.75	x	1	=	266	Cft
Back	4	x	295.000	x	0.75	x	1	=	885	Cft
From m.gate to residence	2	x	455.000	x	0.75	x	1	=	683	Cft
Front of M.Bldg	2	x	51.000	x	0.75	x	1	=	77	Cft
	2	x	83.000	x	0.75	x	1	=	125	Cft
	1	x	15.000	x	0.75	x	1	=	11	Cft
	2	x	23.000	x	0.75	x	1	=	35	Cft

Total = 3327 Cft

- 4 Providing and fixing tuff paver (tile) 60mm thick with 7000-PSi crushing strength (Izhar paver pvt.) i/c grouting with sand in joints complete in all respect and as approved by the Engineer Incharge


Outer

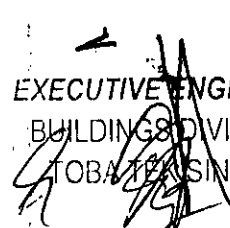
Circular	1	x	69.000	x	5	=	345	Sft
Main circular	1	x	242.000	x	5	=	1210	Sft
inner front	1	x	142.000	x	5	=	710	Sft
	1	x	140.000	x	5	=	700	Sft
Main Building	2	x	53.000	x	5	=	530	Sft
	1	x	116.000	x	5	=	580	Sft
	1	x	547.000	x	5	=	2735	Sft
	1	x	281.000	x	5	=	1405	Sft
	1	x	355.000	x	5	=	1775	Sft
Back	2	x	295.000	x	5	=	2950	Sft
From m.gate to residence	2	x	455.000	x	5	=	4550	Sft
Front of M.Bldg	2	x	51.000	x	34	=	3468	Sft
	1	x	83.000	x	15	=	1245	Sft
	2	x	23.000	x	8	=	368	Sft

Total = 22571 Sft

- 5 Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.

Qty as item No.3 22571 x 0.333 x = 7516 Cft
Total = 7516 Cft


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBATI SINGH.

ANALYSIS OF RATES

34

DESCRIPTION OF ITEM

1st JAUNARY-2022 to 30th JUNE 2022

1 Providing and laying **Sub Base Course** of Stone Product of approved quality and including placing, mixing, spreading and compaction of Sub Base material to required depth, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work, except gravel and aggregate, complete in all respect crushed Stone aggregate.

P. %Cft

- 1 1st JAUNARY-2022 to 30th JUNE 2022
- 2 Subsequent carriage from Krana Quarry to Site of work
Lead 176 Km
 $176-10 \times 29.35 + 745.95 \times 1.2$
G. Total: -

5996.25
6741.66
12737.91

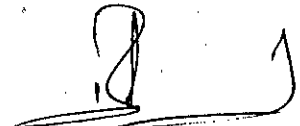
DESCRIPTION OF ITEM

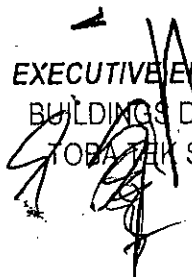
2 Providing and laying **Base Course** of crushed stone aggregate of approved quality and grade and supply spreading of stone screening including placing mixing spreading and compaction of Base Course material to required camber and grade to achieve 100% maximum modified AASHTO dry density, including carriage of all material to site of work, complete in all respect.

P. %Cft

- 1 1st JAUNARY-2022 to 30th JUNE 2022
- 2 Subsequent carriage from Krana Quarry to Site of work
Lead 176 Km
 $176-10 \times 29.35 + 745.95 \times 1.22$
G. Total: -

8646.95
6854.02
15500.97


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

COMPARATIVE STATEMENT OF EXTERNAL ELECTRIFICATION.

(Based on 1st Bi-annual 2022)

Sr #	Description of items	As per A.A				As per Amended R.C.Estimate				Excess /Saving	
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	Provision for main suply coable 4-core where required to replace and main supply panel board, provision of automatic transfer switches ATS.(19/0.083)	350	Rft	P.Rft	1421	497438	Rft	P.Rft	1421	0	-497438
2.	Provision for main suply coable 4-core where required to replace and main supply panel board, provision of automatic transfer switches ATS.(37/0.083)	250	Rft	P.Rft	2444	610950	Rft	P.Rft	2444	0	-610950
3.	Supply and erection of street light double aram pole with 5ft height 2" dia pipe 3 mm thick with aram length 3ft etc complete in all respect.	8	Nos	Each	42000	336000	Nos	Each	42000	0	-336000
4.	AUTO TRANSFER SWITCH WITH MANUAL OVER RIDE SYSTEM FOR 200KVA TO 300 KVA SYSTEM. For Wapda/Generator System, 2-400A TP MCCB 35KA, 1-400A Auto Transfer Switch with Manual Over Ride System, Over Load Short Circuit Protection & outgoing circuit 2 200A TP MCCB 35KA, 2-100A TP MCCB 25KA, 2-60A TP MCCB 25KA, Instrument metering Protection & 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect.						2 No	Each	1166818	2333636	2333636
5.	Synchronizing & Load Sharing Control (600KVA) SYNCHORNIZING & LOAD SHARING CONTROL (400KVA) Panel for 100 to 200KVA Generator System, 3-Synchronizing generator Module DEEP SEE UK. 1-400A, 2-200A Automatic Control through 4-Pole Magnetic Contactor AC3, 1-400A MCCB TP MCCB 35KA, 2-200A TP MCCB 35KA, Over Load Short Circuit Protection & outgoing circuit 1-400A TP MCCB 35KA, 2-200A TP MCCB 25KA, 100A TP MCCB 25KA, Instrument metering Protection & 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect.						1 No	Each	3608791	3608791	3608791

KAMATHA
BUILDINGS SUB DIVISION
SUB DIVISIONAL OFFICER

ADD IS 2% contractor body on item No 1
Add 11% GST on item No 1

JOINTED SGT
BUILDINGS DIVISION
EXECUTIVE ENGINEER

25A Rs:- 11,15,000/-

25A Rs:- 11,15,000/-

Total Rs:- 11,11,818
(+) 152513
(+) 842082

Total Rs:- 11,11,818
(+) 152513
(+) 842082

Total Rs:- 2901100

Total Rs:- 2901100

Sl #	Description of items	As per AA				As per Amended R.C. Estimate				Excess
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	
3	Testing and commissioning of complete system and and fittings etc.	1	top	Escp	120000	1	top	Escp	120000	0
5	Single core 1/2 inch fire resistant metal BAC pipe BAC (single pipe with BAC subhoof)	1	top	Escp	1821500	1	top	Escp	1821500	0
1	Provision for fire alarm system No fire alarm control panel components in it tested	1	top	Escp	3184200	1	top	Escp	3184200	0

COMPARATIVE STATEMENT OF FIRE FIGHTING ARRANGEMENT

(Based on 1st BJ-annual SOSS)

48

ESTIMATE FOR FIRE FIGHTING ARRANGEMENT.

- | | | | |
|----|--|----------------------|--------------------------------|
| 1. | Provision for Fire Alarm System i/c Fire Alarm Control Panel complete in all respect | (qoutation attached) | 3794500 /- |
| 2. | Single core 1.5mm fire resistant wires,PVC pipe, PVC flaxible pipe, with PVC support and fittings etc. | (qoutation attached) | 1857200 /- |
| 3. | Testing and commissioning of complete system and software | (qoutation attached) | 150000 /- |
| | | | Total <u>5801700 /-</u> |

Add 17% GST on item No.1


645065 /-

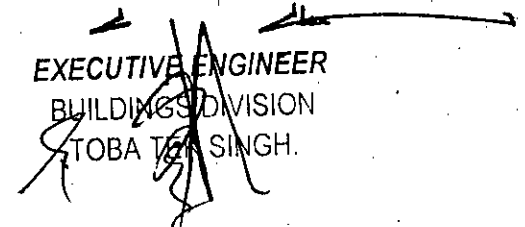
Add 12.5% contractor profit on item No.1

725212 /-

Total 7171977 /-

Say 7172000 /-


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

**REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL KAMALIA.
(125 BEDDED HOSPITAL) ADP NO. 658 FOR THE YEAR 2022-23)**

GENERAL ABSTRACT OF COST

Sr. No.	Description	As per Approved Rough Cost Estimate (A)	As per Revised Rough Cost Estimate		Total Amount (B+C)	Excess /Saving	Remarks
			work allotted (B)	work yet to be allotted (C)			
1	2	3	4	5	6	7	8
A-	Internal Development						
1	Internal Development of Existing Building / Revamping	50263489	50263489	6453506 11777801 7083502/ 4751740	56716915 11777801 7083502/ 4751740	6453506	As per requirement of client Department PMU Primary & Secondary Health Care Department, Lahore
2	Public Health of Existing Clinical Block	2455431	2455431	1269338	3724769	1269338	do
3	Internal E.I Work	2700352	2700352	7817245	10517597	7817245	do
B-	External Development						
1	Tuff Tile	5050254	5050254	0	5050254	0	do
1	Mettled Road	2816350	2816350	2142214	4958564	2142214	do
2	Boundary wall	7905000	7905000	4032619	11937619	4032619	do
3	External Water Supply	566000	566000	262436	1015536	262436	do
4	Water Filtration Plant	2735000	2735000	0	2735000	0	do
5	External Electrification	1791041	1791041	40626779	42417820	40626779	do
C-	Emergency Equipments						
1	Fire Alarm System.	7172000	7172000	62123697	7172000	62123697	do
	Total	83454922	83454922	67955044	151320912	67955044	121523087
	Add 10% Price Variation (as per P&D Department letter No. 594/AC(Tech) P&D /2022-23, dated 9/9/2022 on Rs. 181340479/45645929-52252785) 93453124			9344312921092	151320912	9344312921092	
	Add 5% PRA	4172746	4172746	45112091	45112091	45112091	
	Add 3% Contingency	2011127	2011127	3130206	3130206	3130206	
	Installation of Transformer 200 KV 2-Nos.			3383300	3383300	3383300	
	G.Total	89638795	89638795	74166241	161710712	74166241	139244934
	Say	89639000	89639000	7882700	161710712	7882700	139.245
	OR	89.639 (M)	89.639 (M)	80.491 (M)	161.710 (M)	80.491 (M)	

SENIOR SUB ENGINEER
BUILDINGS SUB DIVISION
KAMALIA

SUPERINTENDING ENGINEER
BUILDINGS CIRCLE NO.2,
FASALABAD.

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA

EXECUTIVE ENGINEER
BUILDINGS DIVISION
TORA TEK SINGH

80.85 % Above over A.A.

49.606(M)

**REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL KAMALIA.
(125 BEDDED HOSPITAL) ADP NO. 658 FOR THE YEAR 2022-23)**

GENERAL ABSTRACT OF COST

Sr. No.	Description	As per Approved Rough Cost Estimate (A)	As per Revised Rough Cost Estimate		Total Amount (B+C)	Excess / Saving	Remarks
			work allotted (B)	work yet to be allotted (C)			
1	2	3	4	5	6	7	8
A-	Internal Development						
1	Internal Development of Existing Building / Revamping	50263489	50263489	2743698	47519791	-2743698	As per requirement of PMU Primary & Secondary Health Care Department, Lahore
2	Public Health of Existing Clinical Block	2455431	2455431	1269338	3496168	1040737	
3	Internal E.I Work	2700352	2700352	7817245	5532352	2832000	
B-	External Development						
1	Tuff Tile	5050254	5050254	0	2024409	-3025845	
1	Mettled Road	2816350	2816350	2142214	4958564	2142214	
2	Boundary wall	7905000	7905000	4255293	12160293	4255293	
3	External Water Supply	566000	566000	262436	1015589	449589	
4	Water Filtration Plant	2735000	2735000	0	2735000	0	
5	External Electrification	1791041	1791041	40626779	34908921	33117880	
C-	Emergency Equipment and exit plan						
1	Fire Alarm System.	7172000	7172000	63173697	7172000	0	
	Total	83454922	83454917	122290700	121523087	38068170	
	Add 5% PRA	4172746	4172746	3172840	6076154	1903409	
	Add 3% Contingency	2011127	2011127	73445596	3645693	1634566	
	Installation of transformer 630 KV2-Nos				8000000	8000000	
	G.Total	89638795	89638790	79466241	139244934	49606144	
	Say	89639000	89639000	169105031	139245000	49600000	
	OR	89.639 (M)	89.639 (M)	169.105 (M)	139.245 (M)	49.600 (M)	

44.46 %Above over A.A.

SENIOR SUB ENGINEER
BUILDINGS SUB DIVISION
KAMALIA

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA

EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH

COMPARATIVE STATEMENT OF REVAPMING OF EXISTING CLINICAL BLCOK.

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	Dismantling P.C.C 1:2:4.. 1 1/2" thick	4175	Cft	%Cft	9060.50	378276	4175	Cft	%Cft	9060.50	378276	631	Cft	%Cft	9060.50	57172	4806	435448	57172
2	Dismantling mud concrete.	11122	Cft	%Cft	1647.35	183218	11122	Cft	%Cft	1647.35	183218	1682	Cft	%Cft	1647	27708	12804	210927	27708
3	Dry Rammed Birck ballast 1-1/2" to 2" gauge.	11122	Cft	%Cft	4474.80	497687	11122	Cft	%Cft	4474.80	497687	1682	Cft	%Cft	4475	75266	12804	572953	75266
4	Cement concrete plain including, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1:2:4	4175	Cft	%Cft	34796.55	1452756	4175	Cft	%Cft	34796.55	1452756						4175	1452756	0
5	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Colorand Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles II (600mmx 600 mm)	30791	Sft	P.Sft	302.30	9308119	30791	Sft	P.Sft	302.30	9308119						30791	9308119	0
6	Removing cement sand mortar upto 5'.	13087	Sft	%Sft	343.20	44915	13087	Sft	%Sft	343.20	44915						13087	44915	0
7	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaste ri/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile (ii) 600mm x600 mm.	57437	Sft	P.Sft	302.30	17363205	57437	Sft	P.Sft	302.30	17363205	7638	Sft	P.Sft	302.30	-2308885	49799	15054320	-2308885
8	(Non-Skid Chequred Tiles) 300mmx300mm	192	Sft	P.Sft	190.60	36595	192	Sft	P.Sft	190.60	36595						192	36595	0

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
9	P/F Prepolished Granite of specified thicknes sand shade of fullwidth of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge 3/4" thick	760	Sft	P.Sft	841.45	639502	760	Sft	P.Sft	841.45	639502	321	Sft	P.Sft	841.45	270105	✓ 1081	✓ 909607	270105
10	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge China Verona	203	Sft	P.Sft	369.40	74988	203	Sft	P.Sft	369.40	74988	1436	Sft	P.Sft	369.40	530458	✓ 1639	✓ 605447	530458
11	Providing and laying flooring with China Verona Marble having uniforntexture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortor i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x24"/12"x36")	90	Sft	P.Sft	314.30	28287	90	Sft	P.Sft	314.30	28287						✓ 90	✓ 28287	0

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
12	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	75	Rft	P.Rft	1775.10	133133	75	Rft	P.Rft	1775.10	133133					75	133133	0	
13	Dismantling glazed or encaustic tiles, etc.	7638	Sft	%Sft	1932.50	193814	7638	Sft	%Sft	1932.50	193814					7638	193814	0	
14	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36											7638	Sft	P.Sft	209.70	1601648	7638	1601648	1601648
15	Removing cement sand mortar upto 5'.	36712	Sft	%Sft	343.20	125996	36712	Sft	%Sft	343.20	125996					36712	125996	0	
16	Removing door with chowkat.	159	No	Each	362.35	57614	159	No	Each	362.35	57614					159	57614	0	
17	Removing windows and sky lights with chowkat.	183	No	Each	283.15	51816	183	No	Each	283.15	51816					183	51816	0	

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		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
18.	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge 1.6mm thick.	5285	Sft	P.Sft	1294.85	6843282	5285	Sft	P.Sft	1294.85	6843282					✓ 5285	6843282	0	
19	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	2642.5	Sft	P.Sft	688.35	1818965						-2643	Sft	P.Sft	688.35	-1819309	0	-1819309	-1819309
20.	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge (i) 3/8" Squar Bars)	4697	Sft	P.Sft	647.75	3042482	4697	Sft	P.Sft	647.75	3042482					✓ 4697	3042482	0	

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty		Unit	Rate	Amount (B)	Qty		Unit	Rate	Amount (C)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
21	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer Incharge	714		Sft	P.Sft	716.50	511581	714		Sft	P.Sft	716.50	511581				✓ 714	511581	0
22	Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge	42		No	Each	2641.55	110945	42		No	Each	2641.55	110945				✓ 42	110945	0
23	P/F ¾" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. B) Brass 12" (300 mm) long	102		No	Each	1261.55	128678	102		No	Each	1261.55	128678				✓ 102	128678	0
24	P/F tower bolt ¾"	102		No	Each	369.70	37709	102		No	Each	369.70	37709				✓ 102	37709	0
25	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercialply compressed over 2.5 mm thick commercialply over 1" thick packing wood instyle and rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lippingas approved and directed by the Engineer Incharge. with out chowkhat	1785		Sft	P.Sft	453.75	809944	892.5	1785		Sft	P.Sft	453.75	809944			892.5 1785	404972 809944	0

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		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
26	P/F1-1/2" thick solid flush door comprising of 2.5 mm thick Commercialply compressed over 2.5 mm thick commercialply over 1" thick packing wood instyle and rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lippingas approved and directed by the Engineer Incharge. with chowkhat	1785	Sft	P.Sft	792.95	1415416	802.5 1785	Sft	P.Sft	792.95	1415416						802.5 1785	707708 1415416	0
27	preparing surface and painting with enamel paints on new surface 3 coats											7140	Sft	%sft	2242.30	16010	✓ 7140	16010	16010
28	Provide and fix 2'-6" x7'-0" Deluxe U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Doorframe KB1) including latch lock of approved or equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.	1474	Sft	P.Sft	850.00	1252900	1474	Sft	P.Sft	850.00	1252900						✓ 1474	1252900	0
29	Preparing surface and painting with emulsion paint:- 2 coat on old surface.	74668	Sft	%Sft	1781.95	1330546	74668	Sft	%Sft	1781.95	1330546						✓ 74668	1330546	0
30	Distempering on old surfaces (one coats)	35390	Sft	%Sft	497.05	175906	35390	Sft	%Sft	497.05	175906	5050	Sft	%Sft	497.05	25101	✓ 40440	201007	25101
31	Provision for anti santhetic vinyle flooring 2mm thick of approved manufacturer TK floor the floor should be fire resistance and sound absorbent the floor should be self leveling compound for smooth floor as approved by the Engineer Incharge.	920	Sft	P.Sft	950.00	874000	920	Sft	P.Sft	950.00	874000						✓ 920	874000	0

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		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
32	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2 1/2'x3'1/3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1" at wall sides, galvanized tee 1 1/4"x1" and 1 1/2"x1" both at 4'c/c (made of Taiwan CKM or equivalent), hanging with G.I/ Copper wire 16 SWG, G.I hook, Rawa I Plug etc:complete in all respects as approved and directed by the Engineer Incharge (9 mm thick)	1875	Sft	P.Sft	83.05	155719	1875	Sft	P.Sft	83.05	155719	-1165	Sft	P.Sft	83.05	-96753	✓ 710	58966	-96753
33	Providing and fixing of ANTI BACTERIAL FALSE system (DAMPA) white colour powder coated 0.6-0.7 mm non perforated sheets in white colour fixed with aluminun profile complenin all respect approved by the engineer incharge	Quotation attached										920 1165	Sft	P.Sft	500.00	582500	920 1165	466,000 582500	582500
34	Providing and fixing of HYGIENIC WALL PANELING (Imported Uk made) 2.5 mm thickness complede in all respect as approved by the engineer incharge	Quotation attached										1978 2701	Sft	P.Sft	2009 2800.00	7562800	1978 2701	3986000 7562800	7562800
35	P/F LEAD LINING 2MM THICK LEAD SHEET WITH WALL FOR RADIATION PROTECTION UPTO ROOF HEIGHT AS PER INSTRUCTION & COVERING WITH MDF BOARD 3/4" THICK PANELLING I/C FRAME OF KAIL WOOD 1-1/2"x2" I/C TERMITE PROOFING & FANCY DEAODAR WOOD BEADING COMPLETE IN ALL RESPECT AND AS APPROVED / DIRECTED BY THE ENGINEER INCHARGE ALSO APPROVED THE RADIATION PROTECTING AGENCY ETC.	688	Sft	P.Sft	1150.00	791200	688	Sft	P.Sft	1150.00	791200						✓ 688	791200	0

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		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
36	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: on new surface.	34647	Sft	%Sft	1723.15	597020	34647	Sft	%Sft	1723.15	597020					✓ 34647	597020	0	
37	Cement pointing (1:2) deep struck joint on wall upto 20' height mixed without red oxide pigment to match the colour bricks.	1386	Sft	%Sft	2819.05	39072	1386	Sft	%Sft	2819.05	39072	5543	Sft	%Sft	2819.05	156260	✓ 6929	195332	156260
38	flush pointing for roof treatment.	31800	Sft	%Sft	2058.70	654667	31800	Sft	%Sft	2058.70	654667					✓ 31800	654667	0	
39	petty repair to main room											60	Nos	Each	898.35	53901	✓ 60	53901	53901
40	petty repair to small room											60	Nos	Each	449.10	26946	✓ 60	26946	26946
41	cast iron rain water down pipe 4 dia											299	Rft	P.Rft	284.20	84976	✓ 299	84976	84976
42	cast iron specials such as tees, bends etc											200	Kg	P.Kg	220.00	44000	✓ 200	44000	44000
43	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer incharge. a) Full body Glazed tiles II (600mmx 600 mm)	2609	sft	Psft	302.30	788701	2609	sft	Psft	302.30	788701					✓ 2609	788701	0	
44	S.S angle iron for Edge protection	2474	Rft	P.Rft	450.00	1113300	2474	Rft	P.Rft	450.00	1113300					✓ 2474	1113300	0	

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							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
45	dismantling brick work or in cement sand mortar or lime mortar											653	Cft	%Cft	3500.65	22859	✓ 653	22859	22859
46	dismantling RCC 1:2:4											46	Cft	%Cft	14826.25	6820	✓ 46	6820	6820
47	P/L RCC 1:2:4											90	Cft	P.Cft	471.80	42462	✓ 90	42462	42462
48	Pacca brick work Ground Floor 1:4											1194	Cft	%Cft	25929.75	309601	✓ 1194	309601	309601
49	P/L 1/2" thick cement sand plaster 1:4											1078	Sft	%Sft	2595.85	27993	✓ 1078	27993	27993
50	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood golla all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ paint ing 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge											691	Sft	P.Sft	460	318274	✓ 691	318274	318274
51	Providing and laying conglomerate flooring (two coat work) with top layer of ½"(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16"(6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:- (a) 1½"(40 mm) thick											5241	Sft	%Sft	6057.95	317512	✓ 5241	317512	317512

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		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
45	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels size 1½" x 3/8" (40 x 10 mm)											3145	Rft	P.Rft	15.85	49844	✓ 3145	49844	49844
46	pacca brick work in foundation and plinth 1:6											309	Cft	%Cft	22973	71073	✓ 309	71073	71073
47	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge (i) 3/8" Squar Bars) i/c wire gauze.											495	Sft	P.Sft	1260.40	623268	✓ 495	623268	623268
48	Providing and fixing collapsible gate made of 2x2x1/4 T-iron -- at top and bottom chnnel iron- verticl 3/4"x1/4"x1/4"x1/8" at 3" to 5" centre to centre (approximate) and flat iron crosses 3"x3/16" and bes quality rollers botom of 3" dia i/c hold fast handle 12" long of 3/4x1/4x1/4x1/8 i/c painting 3-coats. complete in working position. Complete in all respect.											528	Sft	P.Sft	1336.75	705804	✓ 528	705804	705804

D/D COST OF OLD MATERIAL

Total Rs 51242989

(-) 979500

Total Rs 50263489

Total Rs 51242989

(-) 979500

Total Rs 50263489

41819401

41600

11777801

63062390 11819401

✓ 1021100 1021100

62041290 10798301

SENIOR SUB ENGINEER
BUILDINGS SUB DIVISION
KAMALIA

DIVISIONAL OFFICER
LDINGS SUB DIVISION
KAMALIA

EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH

Revamping of existing clinical block.

1 Dismantling P.C.C 1:2:4.. 1 1/2" thick

Admin Block

Ramp	1	x	8.000	x	4	=	32	Sft
Enternce	1	x	6.000	x	7.5	=	45	"
Main Ent.	1	x	20.000	x	9.25	=	185	"
	1	x	20.000	x	4	=	80	"
MB Bah	1	x	6.583	x	7 5/12	=	49	"
Exam	1	x	7.250	x	7 7/12	=	55	"
MS	1	x	15.000	x	14	=	210	"
Store	1	x	10.000	x	14	=	140	"
Gyn	1	x	12.000	x	14	=	168	"
Bath	1	x	5.000	x	6	=	30	"
Exam	1	x	5.000	x	7 7/12	=	38	"
Room	1	x	9.833	x	14	=	138	"
Treatment	1	x	10.000	x	14	=	140	"
	1	x	12.000	x	14	=	168	"
Senior MO	1	x	12.000	x	14	=	168	"
Bath	1	x	5.000	x	6	=	30	"
Exam	1	x	5.000	x	7 1/6	=	36	"
Diognist	1	x	11.000	x	13 5/8	=	150	"
A.Branch	1	x	11.000	x	13 5/8	=	150	"
Account	1	x	18.000	x	13 5/8	=	245	"
EP1	1	x	17.750	x	13 5/8	=	242	"
Specilist	2	x	12.000	x	13 5/8	=	327	"
Exam	2	x	5.000	x	7 1/6	=	72	"
Bath	2	x	5.000	x	6	=	60	"
Lady Dv	2	x	12.000	x	13 5/8	=	327	"
Emergency ward	1	x	18.000	x	13 5/8	=	245	"
Oen	1	x	10.000	x	14 3/8	=	144	"
Dental surgen	1	x	16.000	x	14	=	224	"
M.Store	1	x	12.000	x	14	=	168	"
	1	x	15.625	x	14	=	219	"
Waiting	1	x	15.250	x	14	=	214	"
TBB Store	1	x	12.000	x	14	=	168	"
Specilist	1	x	12.000	x	14	=	168	"
Bath	1	x	5.000	x	6	=	30	"
Exam	1	x	5.000	x	7 1/6	=	36	"
Dispancry	1	x	14.000	x	13 5/8	=	191	"
Store	1	x	8.000	x	13 5/8	=	109	"
General store	1	x	10.000	x	13 5/8	=	136	"
staff toilet	1	x	6.000	x	13 5/8	=	82	"
ladies toilet	1	x	6.375	x	13 5/8	=	87	"
	1	x	6.375	x	13 5/8	=	87	"
waiting	1	x	15.250	x	13 5/8	=	208	"
Dispancry	1	x	12.000	x	13 5/8	=	164	"
surgen	1	x	12.000	x	13 5/8	=	164	"
toilet	1	x	5.000	x	6	=	30	"
exam	1	x	5.000	x	7 1/2	=	38	"
F.male toilet / male	2	x	7.625	x	13 5/8	=	208	"
	1	x	18	x	13 5/8	=	245	"
Doctors	1	x	8	x	13 5/8	=	109	"
	1	x	10	x	13 5/8	=	136	"
	1	x	8	x	13 5/8	=	109	"
Labortary	1	x	13.75	x	13 5/8	=	187	"
Cooridoor	1	x	95.25	x	8	=	762	"
Delev	1	x	13.625	x	18	=	245	"
Scrab-up	1	x	12	x	8	=	96	"

	1	x	12	x	9 1/2	=	114	"
	1	x	20	x	16	=	320	"
Nursing station	1	x	8	x	12 5/8	=	101	"
	1	x	8	x	5	=	40	"
Cooridoor	1	x	16.75	x	8	=	134	"
X-Rays	1	x	13.375	x	18	=	241	"
F.store	1	x	8	x	8 5/8	=	69	"
Park room	1	x	8	x	9	=	72	"
Ver.	1	x	189	x	6	=	1134	"
Ward	2	x	20	x	47 2/3	=	1907	"
Ward	2	x	20	x	47 2/3	=	1907	"
Bed	1	x	12	x	20	=	240	"
Store	1	x	5	x	12	=	60	"
Bath	1	x	5	x	6 5/8	=	33	"
Linen	1	x	10	x	20	=	200	"
	1	x	10	x	20	=	200	"
Bath	1	x	5	x	6 5/8	=	33	"
Store	1	x	5	x	12	=	60	"
Bed ward	2	x	20	x	47 2/3	=	1907	"
Cooridoor	2	x	20	x	6	=	240	"
	2	x	22	x	6	=	264	"
Cooridoor	1	x	40	x	6	=	240	"
Nursing station	2	x	11	x	12	=	264	"
toilet	2	x	5.333	x	6 1/2	=	69	"
store	2	x	5	x	6 1/2	=	65	"
store	2	x	6	x	12	=	144	"
toilet	2	x	4.875	x	6 1/2	=	63	"
medical	1	x	10	x	15 5/8	=	156	"
medical office	1	x	10	x	15 5/8	=	156	"
store	1	x	5	x	12	=	60	"
lavotary	2	x	19.333	x	9 1/4	=	358	"
liv	2	x	6	x	7	=	84	"
link passage	1	x	50	x	7	=	350	"
eye block	1	x	20	x	12	=	240	"
Passage	1	x	9	x	12	=	108	"
Open area	1	x	21.5	x	18 1/4	=	392	"
	1	x	15.5	x	44	=	682	"
Dr. Room	1	x	12	x	18 1/4	=	219	"
Dr. Room	1	x	16	x	15	=	240	"
Dr. Room	1	x	16	x	17 1/3	=	277	"
O-theter	1	x	20	x	26	=	520	"
Room	1	x	11.333	x	20	=	227	"
Ver.	1	x	12.5	x	8	=	100	"
Room	1	x	11	x	11	=	121	"
	1	x	9.75	x	11	=	107	"
	1	x	10	x	11	=	110	"
Stair case	1	x	33	x	9 1/2	=	314	"
Room	1	x	26	x	12	=	312	"
Counter	1	x	13	x	12	=	156	"
toilet	1	x	12	x	18	=	216	"
	1	x	28	x	18	=	504	"
Corridor	1	x	31.5	x	6	=	189	"
Male	1	x	28	x	18	=	504	"
Room	1	x	18	x	12	=	216	"
Room	1	x	20	x	12	=	240	"
Hall	1	x	28	x	20	=	560	"
Room	1	x	14	x	10	=	140	"
Room	1	x	11	x	10	=	110	"
Sotre	1	x	12	x	19	=	228	"

	1	x	9	x	10 3/8	=	93	"
	2	x	12	x	19 1/3	=	464	"
G.Store	1	x	9	x	13 7/8	=	125	"
Bath	1	x	9	x	9	=	81	"
Store	1	x	12	x	19 1/3	=	232	"
Ward	1	x	39.625	x	19 1/3	=	766	"
NS	1	x	11.167	x	13	=	144	"
Bath	2	x	5.083	x	6 2/3	=	68	"
Store	1	x	5.083	x	6 2/3	=	34	"
G.Store	1	x	9	x	12 3/8	=	111	"
Store	1	x	10	x	15 2/3	=	157	"
HN	1	x	10	x	15 2/3	=	157	"
	1	x	9	x	12 3/8	=	111	"
	1	x	11.167	x	13	=	144	"
Bath	2	x	5.083	x	6 2/3	=	68	"
Store	1	x	5.083	x	6 2/3	=	34	"
Cooridoor	1	x	141.5	x	8 2/3	=	1226	"
Cooridoor	1	x	12	x	20	=	240	"
	1	x	12	x	10	=	120	"
toilet	2	x	19.25	x	9 1/6	=	353	"
	2	x	6	x	8	=	96	"
Admn Block Fmt Ver.	1	x	230	x	8 1/2	=	1955	"
Male ward /Eye ward plinth								"
	1	x	101.625	x	4	=	406 1/2	"
	1	x	45.875	x	4	=	183 1/2	"
	1	x	27.875	x	4	=	111 1/2	"
	1	x	16.875	x	4	=	67 1/2	"
	1	x	12.75	x	4	=	51	"
	1	x	18.375	x	4	=	73 1/2	"
	2	x	18.375	x	4	=	73 1/2	"
	1	x	78.875	x	4	=	315 1/2	"
	1	x	16.75	x	4	=	67	"
	2	x	25.75	x	4	=	103	"
	1	x	19.375	x	4	=	77 1/2	"
	1	x	10.67	x	4	=	42 2/3	"
	1	x	63.17	x	4	=	252 2/3	"
	1	x	154.375	x	4	=	617 1/2	"
	1	x	118.625	x	4	=	474 1/2	"
	1	x	96	x	4	=	384	"
Total						=	38450	Sft-A

	38450	x	0.125	=	<u>4806</u>	Cft
2 Dismantling mud concrete.	38450	x	0.333		<u>12804</u>	Cft

3 Dry Rammed Birck ballast 1-1/2" to 2" gauge.						
Qty as item No.1-A	38450	x	0.333	=	<u>12804</u>	Cft

4 Cement concrete plain including, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1:2:4						
Qty as item No.1	38450	x	0.125	=	<u>4806</u>	Cft
D/D plinth P	5241	x				
	<u>33209</u>	x				

- 5 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles 600 x600 mm

Qty as item No.1 33400 - 2609 = 30791 Sft

- 6 Removing cement sand mortar upto 5'

Eye ward block

Ver.	2	x(	273.625	+	7	)x	5	=	2806	Sft
Female ward	4	x(	28.000	+	18	)x	5	=	920	Sft
Room	2	x(	26.000	+	12	)x	5' 3.6"	=	380 38	Sft
Room	2	x(	21.000	+	12	)x	5' 4"	=	330 33	Sft
Room	2	x(	18.000	+	12	)x	5' 4"	=	300 30	Sft
Counter	2	x(	13.750	+	16	)x	5	=	298	Sft
Eys specliest	2	x(	20.000	+	12	)x	5' 4"	=	320 32	Sft
Dr. Room	2	x(	12.000	+	18.333	)x	5' 6"	=	303 30	Sft
	2	x(	11.333	+	20	)x	5' 6"	=	313 31	Sft
Operation theater	2	x(	20.000	+	28.083	)x	5	=	481	Sft
Dr. Room	2	x(	16.000	+	17.333	)x	5' 6"	=	333 33	Sft
Room	2	x(	11.000	+	11	)x	5' 6"	=	220 22	Sft
	2	x(	9.750	+	11	)x	5' 6"	=	208 20	Sft
	2	x(	10.000	+	11	)x	5' 6"	=	210 21	Sft
Room	2	x(	11.333	+	20	)x	5' 6"	=	313 31	Sft
Counter	2	x(	9.000	+	9	)x	5	=	180	Sft
Store	2	x(	12.000	+	1.333	)x	5' 6"	=	133 13	Sft
G.Store	2	x(	9.000	+	13.875	)x	5' 6"	=	229 23	Sft
Store	2	x(	12.000	+	19.333	)x	5' 6"	=	313 31	Sft
Store	4	x(	5.083	+	6.667	)x	5' 6"	=	235 23	Sft
Nursing	2	x(	9.000	+	10	)x	5	=	190	Sft
Nursing	2	x(	10.000	+	11.167	)x	5	=	212	Sft
Cooridor	2	x(	141.500	+	6	)x	5	=	1475	Sft
Admn Block Front Ver.	2	x(	230.000	+	8.5	)x	5	=	2385	Sft

13087 Sft

8867.873 Sft ✓

- 7 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile.600mmx600mm

Qty as item No.6

Qty as item No.115

8867
= 13087 Sft
17233.3 = 36712 Sft
Total = 49799 Sft

26100

- 8 (Non-Skid Chequered Tiles) 300mmx300mm

1	x	14.000	x	6	=	84	Sft
1	x	18.000	x	6	=	108	Sft
Total					=	<u>192</u>	<u>Sft</u>

- 9 P/F Prepolished Granite of specified thicknes sand shade of fullwidth of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand morthor bed, complete in all respect as approved and directed by the Engineer Incharge 3/4" thick

Main Ent. Front Porach	1	x	20.000	x	24	=	480	Sft
	2	x	20.000	x	1.5	=	60	Sft
Riser	2	x	20.000	x	0.5	=	20	Sft
Nursing counter top	7	x	9.000	x	2.5	=	158	Sft
	7	x	6.000	x	2.5	=	105	Sft
	7	x	9.000	x	0.75	=	47	Sft

	12	x(	3.500	+	5	)x	5	=	510	Sft
	4	x(	4.000	+	5	)x	5	=	180	Sft
	12	x(	2.750	+	4	)x	5	=	405	Sft
	8	x(	4.417	+	4.333	)x	5	=	350	Sft
	8	x(	5.000	+	6.667	)x	5	=	467	Sft
	Total-A								8691	Sft
Deduction										
D5	65	x	2.500	x	5			=	813	Sft
D4	16	x	3.000	x	5			=	240	Sft
	Total								1053	Sft
	Net								7638	Sft

- 14 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i)
12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

Qty as above

7638 sft

- 15 Removing cement sand mortar upto 5'

Exam	2	x(	7.333	+	7.625	)x	5	=	150	Sft	✓
Store	2	x(	10.000	+	14	)x	5'6"	=	240	Sft	240 24
	2	x(	12.000	+	14	)x	5'6"	=	260	Sft	260 26
Exam	2	x(	5.000	+	7.625	)x	5	=	126	Sft	✓
	2	x(	5.000	+	6	)x	5	=	110	Sft	✓
Room	2	x(	12.000	+	14	)x	5'6"	=	260	Sft	26
Store	2	x(	9.833	+	14	)x	5'6"	=	238	Sft	23.8
	2	x(	10.000	+	14	)x	5'6"	=	240	Sft	24
	2	x(	12.000	+	14	)x	5'6"	=	260	Sft	26
Senior M	2	x(	12.000	+	14	)x	5'6"	=	260	Sft	26
Exam	2	x(	5.000	+	7.167	)x	5'6"	=	422	Sft	12.2
Ent.	2	x	9.333	x	5			=	93	Sft	
Dental	2	x(	16.000	+	14	)x	5	=	300	Sft	
MS	2	x(	12.000	+	14	)x	5'6"	=	260	Sft	26
TIBB	2	x(	15.625	+	14	)x	5'6"	=	296	Sft	29.6
M.Store	2	x(	12.000	+	14	)x	5'6"	=	260	Sft	26
D. specilist	2	x(	12.167	+	14	)x	5'6"	=	262	Sft	26.2
Exam	4	x(	5.000	+	6	)x	5'6"	=	220	Sft	22
Surgen	2	x(	12.000	+	13.625	)x	5'6"	=	256	Sft	25.6
Dispansry	2	x(	12.000	+	13.625	)x	5'6"	=	256	Sft	25.6
General Store	2	x(	10.000	+	13.625	)x	5'6"	=	236	Sft	23.6
Pharmacy	2	x(	9.000	+	13.625	)x	5'6"	=	226	Sft	22.6
Dispansry	2	x(	14.333	+	13.625	)x	5'6"	=	280	Sft	28
Open	2	x(	28.000	+	8	)x	5	=	360	Sft	
Emergency ward	2	x(	16.000	+	13.625	)x	5	=	296	Sft	
	2	x(	12.000	+	13.625	)x	5	=	256	Sft	
Exam	4	x(	5.000	+	7.167	)x	5	=	243	Sft	
Specilist	2	x(	12.000	+	13.625	)x	5'6"	=	256	Sft	25.6
EP1Room	2	x(	17.750	+	13.625	)x	5'6"	=	314	Sft	31.4
account office	2	x(	18.000	+	13.625	)x	5'6"	=	316	Sft	31.6
Admin	2	x(	11.000	+	13.625	)x	5'6"	=	246	Sft	24.6
Diagnostic	2	x(	11.000	+	13.625	)x	5	=	246	Sft	
	2	x	9.000	x	5			=	90	Sft	
Waiting	2	x(	13.000	+	14	)x	5	=	270	Sft	
Labotary	2	x(	13.750	+	13.625	)x	5	=	274	Sft	
FM	4	x(	8.000	+	13.625	)x	5	=	433	Sft	

	2	x(	10.000	+	13.625	)x	5	=	236	Sft	
Labour	2	x(	18.000	+	13.625	)x	5	=	316	Sft	
Delivery	2	x(	13.625	+	18	)x	5	=	316	Sft	
	1	x	7.750	x	5			=	39	Sft	
Develvery	2	x(	13.625	+	18	)x	5	=	316	Sft	
Stelization	2	x(	12.000	+	7.5	)x	5	=	195	Sft	
Crubup	2	x(	12.000	+	6	)x	5	=	180	Sft	
Operation theater	2	x(	20.000	+	18	)x	11.5	=	874	Sft	
store	2	x(	8.000	+	5	)x	5'6"	=	430	Sft	13
Nursing	2	x(	20.000	+	8	)x	5'6"	=	280	Sft	28
X-Rays	2	x(	13.625	+	18	)x	5	=	316	Sft	
Store	2	x(	8.000	+	8.625	)x	5'6"	=	406	Sft	16.6
Cooridor	2	x(	20.000	+	7.75	)x	5	=	278	Sft	
Ver.	2	x(	76.000	+	6	)x	5	=	820	Sft	
Ver.	2	x(	189.000	+	6	)x	5	=	1950	Sft	
Wards	4	x(	20.000	+	47.667	)x	5	=	1353	Sft	
	8	x(	20.000	+	47.667	)x	5	=	2707	Sft	
	2	x(	12.000	+	20	)x	5	=	320	Sft	
Store	2	x(	5.000	+	12	)x	5'6"	=	470	Sft	17
Linen	2	x(	9.000	+	20	)x	5'6"	=	290	Sft	29
Pentary	2	x(	9.000	+	20	)x	5'6"	=	290	Sft	29
Store	2	x(	5.000	+	12	)x	5'6"	=	470	Sft	17
2 bed ward	2	x(	12.000	+	20	)x	5	=	320	Sft	
nursing station	2	x(	22.000	+	12	)x	5	=	340	Sft	
store	2	x(	5.000	+	12	)x	5'6"	=	470	Sft	17
MO	4	x(	10.000	+	15.625	)x	5'6"	=	643	Sft	51.3
Cooridor	1	x	133.666	x	5			=	668	Sft	
	1	x	51.000	x	5			=	255	Sft	
Waiting	1	x	51.000	x	5			=	255	Sft	
Link Passage	1	x	107.000	x	5			=	535	Sft	
							Total-A	=	23581	Sft	
Min Building and old building									15420.3		
wards	8	x(	35.520	+	19.25	)x	5	=	2191	Sft	
Store	6	x(	12.000	+	19.25	)x	5'6"	=	937.5	Sft	93.75
G.store	4	x(	5.000	+	13.875	)x	5'6"	=	377.5	Sft	37.75
store	4	x(	12.000	+	19.25	)x	5'6"	=	625	Sft	62.5
N/S	4	x(	11.160	+	13	)x	5	=	483	Sft	
G,S	2	x(	5.000	+	12.75	)x	5	=	178	Sft	
Store	2	x(	10.000	+	15.67	)x	5'6"	=	257	Sft	25.7
	2	x(	10.000	+	15.67	)x	5'6"	=	257	Sft	25.7
	2	x(	5.000	+	12.67	)x	5'6"	=	477	Sft	17.7
	2	x(	5.080	+	6.67	)x	5'6"	=	418	Sft	11.8
cooridoor	2	x(	20.000	+	0	)x	5	=	200	Sft	
	2	x	141.330	x	7			=	1979	Sft	
old building	2	x(	28.000	+	20	)x	5	=	480	Sft	
	2	x(	14.000	+	10	)x	5	=	240	Sft	
Galary	2	x(	11.000	+	10	)x	5	=	210	Sft	
			15420.3		62.36		Total-B	=	8708	Sft	62.36
G.Total	(		23581	+	8708	)		=	32289	Sft	21656.3
D3	102	x	3.500	x	5			=	1785	Sft	
D2	52	x	4.000	x	5			=	1040	Sft	
W8	98	x	4.000	x	2			=	784	Sft	
W3	60	x	6.000	x	2			=	720	Sft	
W12	4	x	8.000	x	2			=	64	Sft	
W7	6	x	2.500	x	2			=	30	Sft	
							Total	=	4423	Sft	

16 Removing door with chowkat.

D3	=	60	No
D2	=	21	No
D5	=	65	No
D4	=	13	No

Total = 159 No

17 Removing windows and sky lights with chowkat.

W8	=	98	No
W3	=	60	No
W12	=	4	No
W7	=	6	No
V2	=	15	No

Total = 183 No

18 Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge 1.6mm thick.

W8	98	x	4.000	x	6	=	2352	Sft
W3	60	x	6.000	x	5.5	=	1980	Sft
W12	4	x	8.000	x	6	=	192	Sft
W7	6	x	2.500	x	5.5	=	83	Sft
V2	15	x	3.000	x	2	=	90	Sft
W0 Along D2	42	x	2.000	x	7	=	588	Sft

Total = 5285 Sft

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

W8	98	x	4.000	x	6	=	2352	Sft
W3	60	x	6.000	x	5.5	=	1980	Sft
W12	4	x	8.000	x	6	=	192	Sft
W7	6	x	2.500	x	5.5	=	83	Sft
V2	15	x	3.000	x	2	=	90	Sft

Total = 4697 Sft

20 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 Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer Incharge

D2	21	x	4.000	x	8.5	=	714	Sft
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- 30 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2 1/2'x3' 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1 1/4" x 1" and 1 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 6 mm thick

X-Ray	1	x	13.375	x	18	=	241	"
MS Office	1	x	15.000	x	14	=	210	"
	1	x	7.250	x	7.625	=	55	"
SMO	1	x	12.000	x	14	=	168	"
	1	x	5.000	x	7.167	=	36	"
Total							=	<u>710 Sft</u>

- 31 Providing and fixing of ANTI BACTERIAL FALSE system (DAMPA) white colour powder coated 0.6-0.7 mm non perforated sheets in white colour fixed with aluminun profile compenlin all respect approved by the engineer incharge

Eye ward OT	1	x	20.000	x	28	=	560	Sft
M/Building OT	1	x	20.000	x	18	=	360	"
Labor room	1	x	18.000	x	13.625	=	245	"
Total							=	<u>1165 Sft</u>

920

- 32 Providing and fixing of HYGIENIC WALL PANELING (Imported Uk made) 2.5 mm thickness complede in all respect as approved by the engineer incharge

Eye ward OT	2	(	20.000	+	28	)	11.5	=	1104	Sft
M/Building OT	2	(	20.000	+	18	)	11.5	=	874	Sft
Labor room	2	(	18.000	+	13.625	)	11.5	=	723	Sft
Total									=	<u>2701 Sft</u>

1978 Sft

- 33 P/F LEAD LINING 2MM THICK LEAD SHEET WITH WALL FOR RADIATION PROTECTION UPTO ROOF HEIGHT AS PER INSTRUCTION & COVERING WITH MDF BOARD 3/4" THICK PANELLING I/C FRAME OF KAIL WOOD 1-1/2"x2" I/C TERMITE PROOFING & FANCY DEADODAR WOOD BEADING COMPLETE IN ALL RESPECT AND AS APPROVED / DIRECTED BY THE ENGINEER INCHARGE ALSO APPROVED THE RADIATION PROTECTING AGENCY ETC.

X-Ray	2	x	(	13.375	+	18	)	11.5	=	722	Sft
Total									=	<u>722</u>	Sft
Door	1	x	4.000	x	8.5			(-)		34	Sft
Total									=	<u>688</u>	Sft

- 34 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: on new surface.

	1	x	86.500	x	15	=	1298	Sft
	1	x	89.000	x	15	=	1335	Sft
	1	x	79.670	x	15	=	1195	Sft
	1	x	32.000	x	15	=	480	Sft
	1	x	29.670	x	15	=	445	Sft
	1	x	50.000	x	15	=	750	Sft
	1	x	15.000	x	15	=	225	Sft
	1	x	8.670	x	15	=	130	Sft
	1	x	32.500	x	15	=	488	Sft
	1	x	4.000	x	15	=	60	Sft
	1	x	10.000	x	15	=	150	Sft
	1	x	6.000	x	15	=	90	Sft
	1	x	12.000	x	15	=	180	Sft

1	x	6.000	x	15	=	90	Sft
1	x	10.000	x	15	=	150	Sft
1	x	6.000	x	15	=	90	Sft
1	x	32.500	x	15	=	488	Sft
1	x	8.670	x	15	=	130	Sft
1	x	6.670	x	15	=	100	Sft
1	x	10.670	x	15	=	160	Sft
1	x	20.000	x	15	=	300	Sft
1	x	10.670	x	15	=	160	Sft
1	x	6.670	x	15	=	100	Sft
1	x	8.500	x	15	=	128	Sft
1	x	15.000	x	15	=	225	Sft
1	x	60.000	x	15	=	900	Sft
1	x	151.000	x	15	=	2265	Sft
1	x	112.000	x	15	=	1680	Sft
1	x	50.000	x	15	=	750	Sft
2	x	4.000	x	15	=	120	Sft
2	x	10.000	x	15	=	300	Sft
2	x	4.000	x	15	=	120	Sft
2	x	31.330	x	15	=	940	Sft
4	x	8.670	x	15	=	520	Sft
4	x	6.670	x	15	=	400	Sft
4	x	10.670	x	15	=	640	Sft
2	x	20.000	x	15	=	600	Sft
2	x	16.330	x	15	=	490	Sft
2	x	9.000	x	15	=	270	Sft
2	x	19.420	x	15	=	583	Sft
2	x	9.000	x	15	=	270	Sft
2	x	16.330	x	15	=	490	Sft
1	x	189.000	x	15	=	2835	Sft
1	x	76.000	x	15	=	1140	Sft
2	x	6.000	x	15	=	180	Sft
2	x	43.000	x	15	=	1290	Sft
1	x	57.000	x	15	=	855	Sft
1	x	20.000	x	15	=	300	Sft
1	x	27.750	x	15	=	416	Sft
1	x	116.000	x	15	=	1740	Sft
1	x	96.000	x	15	=	1440	Sft
1	x	45.750	x	15	=	686	Sft
1	x	232	x	15	=	3480	Sft
Total					=	34647	Sft

35 Cement pointing (1:2) deep struck joint on wall upto 20' height mixed with red oxide pigment to match the colour bricks.

Qty as item No. 34647 x 20% = **6929.4 Sft**

36 petty repair to main room

= 60 Nos

36 petty repair to som mall room

= 60 Nos
120 sft

36 flush pointing for roof treatment.

1	x	10500	=	10500	Sft
1	x	21300	=	21300	"
				31800	sft

36 Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- 4" dia

23 x 13 = **299 RFT**

36 P/F cast iron specials such as tee bend collers etc

= 200 KG

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

a) Full body Glazed tiles II (600mmx 600 mm)

Block A

7 x 5.000 x 6 = 210 Sft

2 x 6.375 x 13.625 = 174 "

Block B

2 x 7.625 x 17.667 = 269 "

1 x 5.000 x 6.625 = 33 "

2 x 8.625 x 18 = 311 "

2 x 5.330 x 6.5 = 69 "

2 x 4.875 x 6.67 = 65 "

2 x 19.330 x 9.33 = 361 "

Block C

6 x 5.000 x 5 = 150 "

4 x 5.000 x 6.67 = 133 "

2 x 19.330 x 9 9/53 = 355 "

2 x 5.000 x 6 = 60 "

a) Full Body Glazed tiles II

1 x 4.500 x 5 = 23 "

2 x 11.000 x 18 = 396 "

2609 Sft

38 S.S angle iron for Edge protection

= **2472 Rft**

39 dismantling brick work or in cement sand mortar or lime mortar

male ward bath 4 x 9.170 x 3/8 x 7 = 96 cft

6 x 4.500 x 3/8 x 7 = 71 cft

eye ward bath 2 x 11.000 x 0.375 x 7 = 58 "

2 x 3.000 x 0.375 x 7 = 16 "

Nursing counter partition 10 x 2.000 x 0.375 x 2.5 = 19 "

1 x 6.000 x 0.375 x 3.5 = 8 "

2 x 7.000 x 0.375 x 3.5 = 18 "

2 x 4.000 x 0.375 x 3.5 = 11 "

Block C bath 4 x 9.250 x 0.375 x 7 = 97 "

6 x 8.875 x 0.375 x 7 = 140 "

partition 4 x 4.875 x 0.375 x 7 = 51 "

Block B bath 2 x 8.000 x 0.375 x 7 = 42 "

partition 2 x 5.000 x 0.375 x 7 = 26 "

653 cft

40 dismantling RCC 1:2:4

male ward sitting banches 2 x 8.000 x 3/8 x 2 = 12 cft

2 x 5.000 x 3/8 x 2 = 8 cft

Nursing counters M.W 2 x 6.000 x 0.375 x 2 = 9 "

eye ward 2 x 7.000 x 0.375 x 2 = 11 "

2 x 4.000 x 0.375 x 2 = 6 "

									46	cft
41	P/L RCC 1:2:4									
	Nursing counters M.W	2	x	9.000	x	0.375	2	=	14	cft
		2	x	6.000	x	0.375	2	=	9	"
	eye ward bath	2	x	7.000	x	0.375	2	=	11	"
		2	x	4.000	x	0.375	2	=	6	"
	bath lintel	4	x	11.000	x	0.375	0.5	=	8	"
		4	x	4.000	x	0.375	0.5	=	3	"
	Eye ward counters	2	x	6.625	x	0.17	2	=	5	"
	Block C bath lintels	4	x	9.250	x	0.375	0.5	=	7	"
		6	x	8.875	x	0.375	0.5	=	10	"
	partition	4	x	4.875	x	0.375	0.5	=	4	"
	vanity counter bath block c									
		2	x	7.250	x	0.17	2	=	5	"
	vanity counter bath block B									
		2	x	7.000	x	0.17	2	=	5	"
	Door lintel bath C	2	x	8.000	x	0.375	0.5	=	3	
									90	cft

42 Pacca brick work 1:4

male ward bath	4	x	9.170	x	3/8	x	7	=	96	cft
	6	x	4.500	x	3/8	x	7	=	71	cft
eye ward bath	2	x	11.000	x	0.375	x	7	=	58	"
	2	x	3.000	x	0.375		7	=	16	"
Nursing counter partition m.w	7	x	9.000	x	0.75		4	=	189	"
male ward N.C	7	x	6.000	x	0.75		7	=	221	"
top	7	x	9.000	x	0.375		0.75	=	18	"
	7	x	6.000	x	0.375		0.75	=	12	"
SIDE	7	x	2.500	x	0.375		0.75	=	5	"
PARTITIONS	18	x	2.000	x	0.375		2	=	27	"
THARI	7	x	9.000	x	2		0.375	=	47	"
	7	x	6.000	x	2		0.375	=	32	"
Bath under vanity										"
eye ward bath	6	x	2.000	x	0.375		2.5	=	11	"
under vanity	2	x	6.675	x	0.375		2.5	=	13	"
Block C bath	4	x	9.250	x	0.375		7	=	97	"
	6	x	8.875	x	0.375		7	=	140	"
partition	4	x	4.875	x	0.375		7	=	51	"
	6	x	2.000	x	0.375		2.5	=	11	"
Block B bath	2	x	8.000	x	0.375		7	=	42	"
partition	2	x	5.000	x	0.375		7	=	26	"
counter BloK B	6	x	2.000	x	0.375		2.5	=	11	"
									1194	cft

43 cement sand plaster 1:4

male ward bath	4	x	9.170	x	1	x	2	=	73 9/25	sft
	6	x	4.500	x	1	x	2	=	54	sft
eye ward bath	2	x	11.000	x	1	x	2	=	44	sft
	2	x	3.000	x	1		2	=	12	sft
Nursing counter partition	20	x	2.000	x	1		2.2	=	88	sft
Bath under vanity										"
eye ward bath	12	x	2.500	x	1		2.5	=	75	"
under vanity	2	x	6.675	x	1		2.5	=	33	"
Block C bath	8	x	9.250	x	1		2	=	148	"
	12	x	8.875	x	1		2	=	213	"
partition	8	x	4.875	x	1		2	=	78	"
Block C bath v.Counter	2	x	7.250	x	1		2.5	=	36	"
	12	x	2.000	x	1		2.5	=	60	"
Block B bath v.Counter	12	x	2.000	x	1		2.5	=	60	"
Bath	4	x	8.000	x	1		2	=	64	"
Bath	4	x	5.000	x	1		2	=	40	"
									1078	sft

Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated/Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood gola all around the leaf fixed on (3"x1") Kail wood frame i/c the cost of 1/2" full brass hinges, C.P.handles, catchers, screws, and rawal plugs, polishing/ painting 3 coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge

Nursing counter	7	x	9.000	x	2.5	=	158	sft
	7	x	6.000	x	2.5	=	105	sft
under vanity Eye ward	2	x	6.625	x	2.5	=	33	sft
Male ward kit	1	x	12.000	x	2.5	=	30	sft
	1	x	17.000	x	2.5	=	43	sft
vanity counter bath block c								sft
	2	x	7.250	x	2.5	=	36	sft
vanity counter bath block B								sft
	2	x	7.000	x	2.5	=	35	sft
Room	4	x	6.000	x	10.5	=	252	sft
							691	sft

- 44 Providing and laying conglomerate flooring (two coat work) with top layer of 1/2"(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16"(6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:- (a) 1 1/2"(40 mm) thick

Male ward /Eye ward plinth									"
	1	x	101.625	x	4	=	406 1/2	sft	
	1	x	45.875	x	4	=	183 1/2	"	
	1	x	27.875	x	4	=	111 1/2	"	
	1	x	16.875	x	4	=	67 1/2	"	
	1	x	12.75	x	4	=	51	"	
	1	x	18.375	x	4	=	73 1/2	"	

	1	x	18.375	x	4	=	73 1/2	"
	1	x	78.875	x	4	=	315 1/2	"
	1	x	16.75	x	4	=	67	"
	2	x	25.75	x	4	=	103	"
	1	x	19.375	x	4	=	77 1/2	"
	1	x	10.67	x	4	=	42 2/3	"
	1	x	63.17	x	4	=	252 2/3	"
	1	x	154.375	x	4	=	617 1/2	"
	1	x	118.625	x	4	=	474 1/2	"
	1	x	96	x	4	=	384	"
			825				5050	sft
floor between old building	1	x	31.875	x	6	=	191 1/4	sft
Total							5241 1/4	sft

- 45 Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) sSize 1 1/2" x 3/8" (40 x 10 mm)

5241 1/4 x 60% 3,145 Rft

- 46 pacca brick work in foundation and plinth 1:6

Male ward /Eye ward plinth

1 x 825 x 3/4 x 0.75 = 464 cft
464 Cft

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


1 x 6 x 7 3/4 = 47 Sft
8 x 7 x 6 = 336 "
4 x 7 x 4 = 112 "
495 Sft

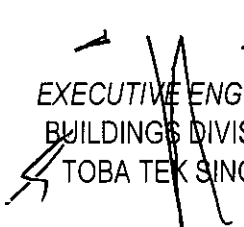
- 47 Providing and fixing collapsible gate made of 2x2x1/4 T-iron at top and bottom channel iron vertical 3/4"x1/4"x1/4"x1/8" at 3" to 5" centre to centre (approximate) and flat iron crosses 3"x3/16" and bes quality rollers bottom of 3" dia i/c hold fast handle 12" long of 3/4x1/4x1/8 i/c painting 3-coats. complete in working position. Complete in all respect.

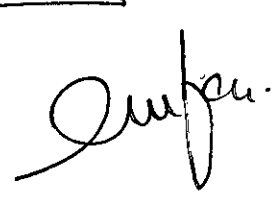
1	x	15	x	11	165	Sft
2	x	10	x	11	220	"
1	x	13	x	11	143	"
					<u>528</u>	<u>Sft</u>

D/D COST OF OLD MATERIAL

* Door						
Qty as item No.14	=	159	No	3000	Each	477000
* Windows						
Qty as item No.15	1740	=	183	No	2700	Each
Sanitary Fittings					(L.S)	50000
					Total Rs:-	<u>1021100</u>


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.



COMPARATIVE STATEMENT OF PUBLIC HEALTH PORTION

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1.	P/F, glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured (Porta Squating Pan Orissa HD77) <i>MRS</i>	61	No.	Each	6800.00	414800	61	No.	Each	<i>6421</i> 6800.00	<i>391681</i> 414800					61	<i>391681</i> 414800	0	
2.	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP / rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge. <i>MRS</i>	10	No.	Each	13915.80	139158	10	No.	Each	<i>✓</i> 13915.80	139158					10	<i>✓</i> 139158	0	
3.	P/F glazed earthen W.H.B 22"x16" i/c bracket set waste pipe and waste coupling coloured with pedestal. (PORTA) Model No. HDLP 2034AH)	35	No.	Each	12500.00	437500	35	No.	Each	<i>566</i> 12500.00	437500	-12	No.	Each	<i>3566</i> 12500.00	<i>42792</i> -150000	<i>✓</i> 23	<i>82018</i> 287500	<i>42792</i> -150000
4.	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.under counter Vanity											12	No.	Each	6603.90	79247	12	79247	79247
5.	P/F, Plastic made low down flushing cistern 13,63 litres (3 glns) capacity, i/c bracket set, copper connection coloured (Faisal made 4201 Nigra Flush Tank Plastic)	61	No.	Each	4200.00	256200	61	No.	Each	4200.00	256200					61	<i>✓</i> 256200	0	

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
6.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	20	No.	Each	6600.00	132000	20	No.	Each	6600.00	132000					20	132000	0	
7.	P/F, C.P tee stop cock 1/2"dia.	106	No.	Each	886.20	93937	106	No.	Each	886.20	93937					106	93937	0	
8.	P/F, P trap, 4"dia glazed.	105	No.	Each	218.40	22932	105	No.	Each	218.40	22932					105	22932	0	
9.	P/F C.P bib cock 1/2" dia (master modle 084 Ecomony bib cock).	200	No.	Each	2100.00	420000	200	No.	Each	2100.00	420000					200	420000	0	
10.	P/F 1/2" dia Muslim Shower of Fasial / Master comprising of 1/2" dia one-meter long rubber /CP flexible pipe and hand shower set complete in all respects as approved and directed by the Engineer Incharge	10	No.	Each	3843.10	38431	10	No.	Each	3843.10	38431					10	38431	0	
11.	Double Bib Cock											10	No.	Each	1681.55	16816	10	16816	16816
12.	P/F Poly Propylene Random Copolymer (PPRC) Pipe (Dadex / Beta / BBJ) 25 mm	450	Rft	P-Rft	53.55	24098	450	Rft	P-Rft	53.55	24098	2000	Rft	P-Rft	53.55	107100	2450	131198	107100
13.	-do- 32mm	500	Rft	P-Rft	85.80	42900	500	Rft	P-Rft	85.80	42900	4500	Rft	P-Rft	85.80	386100	5000	429000	386100
14.	P/L, cutting, testing and disinfecting PVC pipe line of BSS Class "B" working pressure in trenches 4" dia	250	Rft	P.Rft	382.70	95675	250	Rft	P.Rft	382.70	95675	750	Rft	P.Rft	382.70	287025	1000	382700	287025
15.	- do - 2"dia. BSS Class "D"	200	Rft	P.Rft	177.15	35430	200	Rft	P.Rft	177.15	35430					200	35430	0	
16.	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4"dia.	61	No.	Each	477.35	29118	61	No.	Each	477.35	29118	20	No.	Each	477.35	9547	81	38665	9547

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
17.	Providing and installing P.V.C. Socket, of B.S.S. Class 'B' working pressure 4"dia.	20	No.	Each	286.65	5733	20	No.	Each	286.65	5733	15	No.	Each	286.65	4300	35	10033	4300
18.	Providing and installing P.V.C. Tee of B.S.S. Class 'B' working pressure 4"dia.	30	No.	Each	1355.50	40665	30	No.	Each	1355.50	40665	20	No.	Each	1355.50	27110	50	67775	27110
19.	P/F CP Bath Room Set made of Sonex / Master / Faisal comprising of, lever type Basin Mixer , complete in all respect as approved and directed by the Engineer incharge. (Lever Type Basin Mixe)	35	No.	Each	6481.55	226854	35	No.	Each	6481.55	226854						35	226854	0
20.	P/F CP Bath Room Set made of Sonex / Master / Faisal comprising of, bottle trap , complete in all respect as approved and directed by the Engineer incharge. (Lever Type Basin Mixe)											12	No.	Each	1261.55	15139	12	15139	15139
21.	P/F CP Bath Room Set made of Sonex / Master / Faisal comprising of, waste coupling , complete in all respect as approved and directed by the Engineer incharge. (Lever Type											35	No.	Each	541.55	18954	35	18954	18954
22.	Construction of Manhole	Detailed attached.										30	No.	Each	15600.00	468000	30	468000	468000

Total = 2455431

Total = 2455431

1269338

3724769 1269338

3496168

[Signature]
SENIOR SUB ENGINEER
 BUILDINGS SUB DIVISION
 KAMALIA

[Signature]
SUB DIVISIONAL OFFICER
 BUILDINGS SUB DIVISION
 KAMALIA

[Signature]
EXECUTIVE ENGINEER
 BUILDINGS DIVISION
 (TOBA TEK SINGH)

COMPARATIVE STATEMENT OF ELECTRIC INSTALLATION

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1.	S/E of PVC pipe wiring recessed in wells i/c inspection boxes, pull boxes cutting repairing surface 3/4" dia.	750	Rft	P Rft	187.45	140588	750	Rft	P Rft	80.45	60338	8500	Rft	P Rft	80.45	683825	9250	744163	603575
2	- do - 1" dia.	1400	Rft	P Rft	248.50	347900	1400	Rft	P Rft	103.60	145040	9500	Rft	P Rft	103.6	984200	10900	1129240	781340
3	- do - 50 mm i/d											2000	Rft	P Rft	157.45	314900	2000	314900	314900
	- do - 80 mm i/d											2000	Rft	P Rft	200.15	400300	2000	400300	400300
3.	S/E of PVC insulated copper conductor cable in pre-laid PVC M.s conduit / G.I pipe rate for cable only. 3/0.029.	9000	Rft	P Rft	20.95	188550	9000	Rft	P Rft	20.95	188550	4000	Rft	P Rft	20.95	83900	13000	335200	446650
4	- do - 7/0.029" PVC cable	5500	Rft	P Rft	33.95	186725	5500	Rft	P Rft	33.95	186725	2000	Rft	P Rft	33.95	67900	7500	339500	452775
5.	- do - 7/0.044" PVC cable	5000	Rft	P Rft	61.15	305750	5000	Rft	P Rft	61.15	305750	3000	Rft	P Rft	61.15	183450	8000	489200	642075
	- do - 7/0.036" PVC cable	5000	Rft	P Rft	44.05	220250	5000	Rft	P Rft	44.05	220250						5000	220250	0
6	S/E of ceiling rose bakelite large size.	50	No.	Each	55.90	2795	50	No.	Each	55.90	2795						50	2795	0
7.	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (One way Gange Switch)	100	No.	Each	343.80	34380	100	No.	Each	343.80	34380	200	No.	Each	343.80	68760	300	103140	68760
8	----- do ----- One way Gange Switch Large (04 Gange)	80	No.	Each	715.80	57264	80	No.	Each	715.80	57264	80	No.	Each	715.80	57264	160	114528	57264
9.	----- do ----- One way Gange Switch Large (06 Gange)	50	No.	Each	1259.40	62970	50	No.	Each	1259.40	62970	50	No.	Each	1259.40	62970	100	125940	62970
10	Supplying and Errection of Fan Dimmer (Bush Hilife made) complete in all respects as approved by the Engineer Incharge.	300	No.	Each	449.40	134820	300	No.	Each	449.40	134820						300	134820	0
11.	S/O Three Pin Power Plug 15-32 Amp (Hi-Life made)	65	No.	Each	673.80	43797	65	No.	Each	673.80	43797	70	No.	Each	673.80	47166	135	90963	47166
12	Supplying and Errection of Universal Plug Multi Function (Bush Hilife made) complete in all respects as approved by the Engineer Incharge.	150	No.	Each	540.00	81000	150	No.	Each	540.00	81000						150	81000	0

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
13.	Supply and erection of tube light, including rod, choke, starter with frame, flexible wire, including connection from ceiling rose, etc., complete double rod (80 watts) with two chokes and 2 starters.	150	No.	Each	1814.40	272160	150	No.	Each	1814.40	272160	50	No.	Each	1814.40	90720	200	362880	90720
14	Earthing as per MRS specification.	6	No.	Each	8020.25	48122	6	No.	Each	8020.25	48122						6	48122	0
15.	S/E of switch 5-Amp piano type.	50	No.	Each	60.70	3035	50	No.	Each	60.70	3035						50	3035	0
16	Errction of ceiling fan as per MRS specification.	50	No.	Each	384.35	19218	50	No.	Each	384.35	19218	250	No.	Each	384.35	96088	300	115306	96088
17.	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (plastic body 12" sweep)	15	No.	Each	2201.85	33028	15	No.	Each	2201.85	33028	20	No.	Each	2201.85	44037	35	77065	44037
18	S/E of ceiling fan 56" sweep etc. complete.	50	No.	Each	5800.00	290000	50	No.	Each	5800.00	290000	50	No.	Each	5800.00	290000	100	580000	290000
19.	S/E of LED light 24 watts (Philips / Pak Light made) complete	200	No.	Each	560.00	112000	200	No.	Each	560.00	112000						200	112000	0
20	SUPPLY AND ERRECTION OF LED LIGHT 2'X2' SIZE RECESSED IN FALS CEILING COMPLETE WITH 50-WATTS WITH FANCY COVER COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE	20	No.	Each	5800.00	116000	20	No.	Each	5800.00	116000						20	116000	0

Sr #	Description of items.	As per Amended R.C.Estimate				AS PER REVISED R.C. ESTIMATE								Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED						
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)			
	Supply and erection of PEMPAK / PEL / Siemens make, 14SWG mild steel sheet fabricated, free standing Panel Floor/DB Wall Mounting, indoor type, Front access, insulation class 600Volts, Incoming and outgoing connections from Top or bottom as per site requirement, door to body earth with flexible copper cable suitable for 415VAC, 3 Phase 4 wire, 50Hz TPN&E system, having rated service short circuit breaking capacity Icu of 66KA I/C at 415VAC confirming to IEC-947-2 to accommodate the given number of circuit components, instruments & Accessories, assembled and wired with Electrolytic Copper Bus bars at 50deg Centigrade and cables as per standard practices and relevant standards duly cleaned down to bare shining metal phosphate and 100 microns powder painted of color RAL 7032 baked at 225deg Cg complete in all respect as per given specifications and equipped as under. INCOMING 1- 250A TP MCCB 36KA 1 No. (Terasaki/Schneider) 2- Digital Volt Meter 0-500V 1 No. (Entes/Eqv.) 3- Volt Selector Switch 1 No. (GGT/Eqv) 4- Digital Ampere Meter 0-400A 1 No. (Entes/Eqv.) 5- Ampere Selector Switch 1 No. (GGT/Eqv) 6- Current Transformer 200/5A 3 Nos. (Fico/Eqv.) 7- Indication Lamp 220VAC 3 Nos. (Delixi/Telemecan) 8- Control MCB 6A 220V 3 Nos. (Terasaki/Schneider) OUTGOING 1- 100A TP MCCB 25KA 4 Nos. (Terasaki/Schneider) including the cost of 14 SWG Sheet Fabricated, Size 2'x3'x6" (01-Sft) Water Proof (Outdoor Type) IP-64, 6-Sft (Pempak/Siemens)															
	200A TPN&E Electrolytic Copper bus bar Size (20 x6)mm sq And Electrolytic Link For Cable, Terminal Arrangment 24 Kg (Pempak/Siemens) Power Cable Control/Thimble/Tie Gland backed & saftey sheets for live equipment, Insulator, Nut Bolts Ets Assëmbing / Installation/Fixing/Commissioning /Loding/Unloding & Transporation Charges i/c GST complete in all respect and entire satifaction by the Engineer Incharge.									6 No.	Each	238500	1431000	6	1431000	1431000

COMPARATIVE STATEMENT OF TUFF TILE.

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	Amount	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1.	Excavation in foundation of building bridges and other Structure i/c dag belling refilling around structure in ordinary soil upto 5' depth.	3327	Cft	%0Cft	8727.85	29038	3327	Cft	%0Cft	8727.85	29038					✓ 3327	29038		
2	Dry Rammed Birck ballast 1-1/2" to 2" gauge.	1477	Cft	%Cft	4474.80	66093	1477	Cft	%Cft	4474.80	66093					✓ 1477	66093		
3.	Pacca brick work in cement sand mortar in F&P Ratio1:6.	4988	Cft	%Cft	22973.05	1145896	4988	Cft	%Cft	22973.05	1145896					✓ 4988	1145896		
4	Providing and fixing tuff paver (tile) 60mm thick with 7000-PSi crushing strength (Izhar paver pvt.) i/c grouting with sand In joints complete in all respect and as approved by the Engineer Incharge	22571	Sft	P/Sft	126.35	2851846	22571	Sft	P/Sft	126.35	2851846					5175 22571	653861 2851846		
5.	Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.	7516	Cft	%Cft	12737.91	957381	7516	Cft	%Cft	12737.91	957381					1723.275 7516	275 957381 129521		

Total Rs:- 5050253

Total 5050253

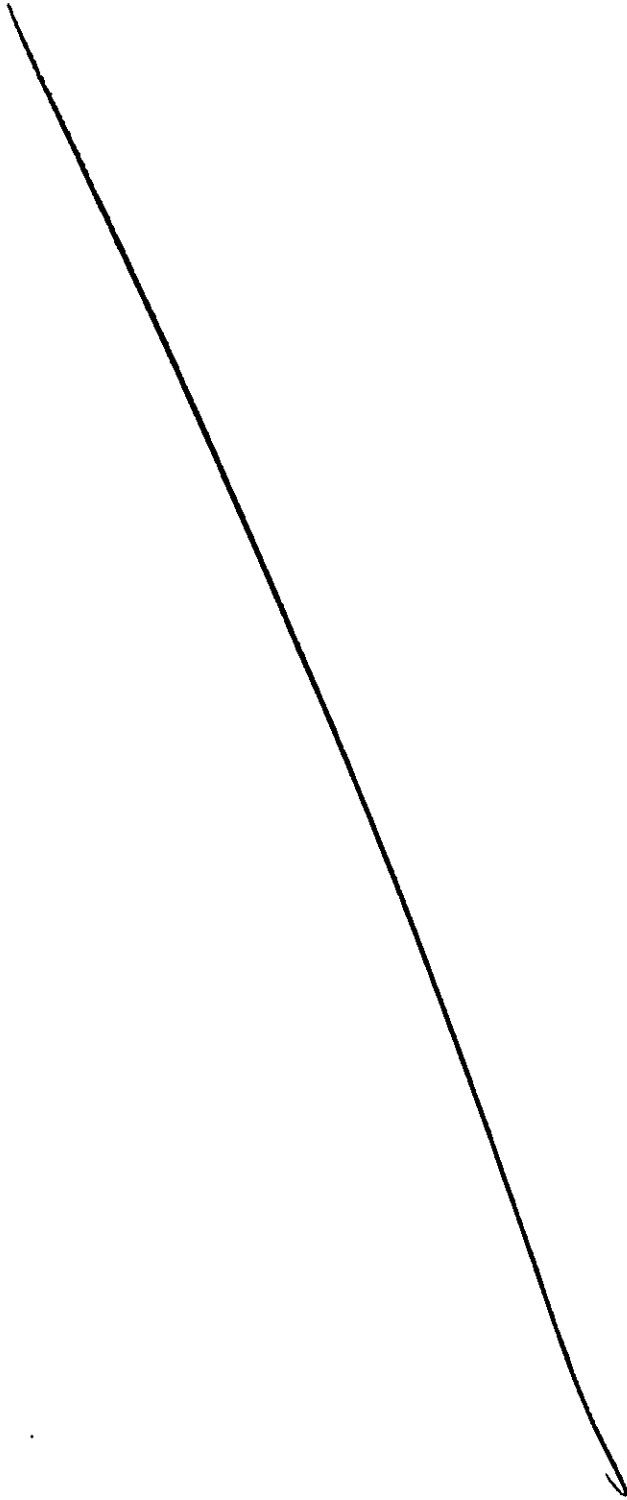
5050253

2024409

[Signature]
SENIOR SUB ENGINEER
BUILDINGS SUB DIVISION
KAMALIA

[Signature]
SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA

[Signature]
EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.



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78

LAYING OF TUFF TILES PATH WAYS & CARPATED ROAD.

- 1 Excavation in foundation of building bridges and other Structure i/c dag belling refilling around structure in ordinary soil upto 5' depth.

Outer

Circular	1	x	69.000	x	1	x	0.75	=	52	Cft
Main circular	1	x	242.000	x	1	x	0.75	=	182	Cft
inner front	1	x	142.000	x	1	x	0.75	=	107	Cft
	1	x	140.000	x	1	x	0.75	=	105	Cft
Curve	1	x	15.000	x	1	x	0.75	=	11	Cft
Main Building	2	x	53.000	x	1	x	0.75	=	80	Cft
	1	x	116.000	x	1	x	0.75	=	87	Cft
	1	x	547.000	x	1	x	0.75	=	410	Cft
	1	x	281.000	x	1	x	0.75	=	211	Cft
	1	x	355.000	x	1	x	0.75	=	266	Cft
Back/ front	4	x	295.000	x	1	x	0.75	=	885	Cft
From m.gate to residence	2	x	455.000	x	1	x	0.75	=	683	Cft
Front of M.Bldg	2	x	51.000	x	1	x	0.75	=	77	Cft
	2	x	83.000	x	1	x	0.75	=	125	Cft
	1	x	15.000	x	1	x	0.75	=	11	Cft
	2	x	23.000	x	1	x	0.75	=	35	Cft

Total = 3327 Cft

- 2 Dry Rammed Birck ballast 1-1/2" to 2" gauge.

Qty as item No.1	<u>3327</u>	x	0.333	=	1477	Cft
	0.750					

Total = 1477 Cft

- 3 Pacca brick work in cement sand mortar in F&P Ratio1:6.

Outer

Circular	1	x	69.000	x	0.75	x	1.5	=	78	Cft
Main circular	1	x	242.000	x	0.75	x	1.5	=	272	Cft
inner front	1	x	142.000	x	0.75	x	1.5	=	160	Cft
	1	x	140.000	x	0.75	x	1.5	=	158	Cft
Curve	1	x	15.000	x	0.75	x	1.5	=	17	Cft
Main Building	2	x	53.000	x	0.75	x	1.5	=	119	Cft
	1	x	116.000	x	0.75	x	1.5	=	131	Cft
	1	x	547.000	x	0.75	x	1.5	=	615	Cft
	1	x	281.000	x	0.75	x	1.5	=	316	Cft
	1	x	355.000	x	0.75	x	1.5	=	399	Cft
Back	4	x	295.000	x	0.75	x	1.5	=	1328	Cft
From m.gate to residence	2	x	455.000	x	0.75	x	1.5	=	1024	Cft
Front of M.Bldg	2	x	51.000	x	0.75	x	1.5	=	115	Cft
	2	x	83.000	x	0.75	x	1.5	=	187	Cft
	1	x	15.000	x	0.75	x	1.5	=	17	Cft
	2	x	23.000	x	0.75	x	1.5	=	52	Cft

Total = 4988 Cft

4 Providing and fixing tuff paver (tile) 60mm thick with 7000-PSi crushing strength (Izhar paver pvt:) i/c grouting with sand In joints complete in all respect and as approved by the Engineer Incharge


Outer								
Circular	1	x	69.000	x	5	$360 \times 5 = 1800$	=	345 Sft
Main circular	1	x	242.000	x	5	$344 \times 5 = 1720$	=	1210 Sft
inner front	1	x	142.000	x	5	$91 \times 5 = 455$	=	710 Sft
	1	x	140.000	x	5	$240 \times 5 = 1200$	=	700 Sft
Main Building	2	x	53.000	x	5		=	530 Sft
	1	x	116.000	x	5	Total = 5175	=	580 Sft
	1	x	547.000	x	5		=	2735 Sft
	1	x	281.000	x	5		=	1405 Sft
	1	x	355.000	x	5		=	1775 Sft
Back	2	x	295.000	x	5		=	2950 Sft
From m.gate to residence	2	x	455.000	x	5		=	4550 Sft
Front of M.Bldg	2	x	51.000	x	34		=	3468 Sft
	1	x	83.000	x	15		=	1245 Sft
	2	x	23.000	x	8		=	368 Sft

Total = 22571 Sft
5175

5 Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.

Qty as item No.3 $\frac{22571}{5175} \times 0.333 \times$ Total = $\frac{7516}{7516}$ Cft
1723.275


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

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ANALYSIS OF RATES

DESCRIPTION OF ITEM

1st JAUNARY-2022 to 30th JUNE 2022

1 Providing and laying **Sub Base Course** of Stone Product of approved quality and including placing, mixing, spreading and compaction of Sub Base material to required depth, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work, except gravel and aggregate, complete in all respect crushed Stone aggregate.

P. %Cft

- 11st JAUNARY-2022 to 30th JUNE 2022

2Subsequent carriage from Krana Quarry to Site of work

Lead 176 Km

176-10x29.35+745.95x1.2

G. Total: -

5996.25
6741.66
12737.91

DESCRIPTION OF ITEM

2 Providing and laying **Base Course** of crushed stone aggregate of approved quality and grade and supply spreading of stone screening including placing mixing spreading and compaction of Base Course material to required camber and grade to achieve 100% maximum modified AASHTO dry density, including carriage of all material to site of work, complete in all respect.

P. %Cft

- 11st JAUNARY-2022 to 30th JUNE 2022


2Subsequent carriage from Krana Quarry to Site of work

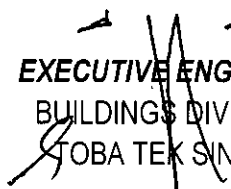
Lead 176 Km

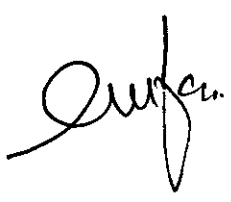
176-10x29.35+745.95x1.22

G. Total: -

8646.95
6854.02
15500.97


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
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EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.





COMPARATIVE STATEMENT OF ROAD.

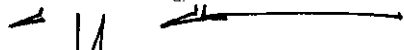
(Based on 1st Bi-annual 2022)

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	Amount	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
2	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre)											1680	cft	%cft	2,199.25	36947	1680	36947	36947
3	removing road edgig											4202	Rft	Prft	13.85	58197.7	4202	58198	58198
4	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all											4202	Rft	Prft	43.25	181736.5	4202	181737	181737
5	Re- laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to											1680	cft	%cft	4268.25	71706.6	1680	71707	71707
6	Earthwork in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade gradeor disc harrow or other suitable equipment, andcompaction by mechanical means at optimum moisturecontent and dressing to designed section, complete in all 95% to 100% maximum modified AASHO dry density.lead up to 1.5 mile											5880	CFT	%cft	14446.83	84947.36	5880	84947	84947
7	Providing and laying bituminous priming coat, using 10lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre											26624	SFT	%Sft	1347.10	358652	26624	358652	358652

Sr #	Description of Items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	Amount	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
8.	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	25224	SFT	%Sft	712.75	17978	25224	SFT	%Sft	712.75	17978	-25224	SFT	%SFT	712.75	-17978	0	0	-17978
9	Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.	252	Cft	%Cft	14115.17	32100	252	Cft	%Cft	14115.17	32100	14	Cft	%Cft	14115.17	1976	266	34076	1976
10.	Providing and Laying base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.	252	Cft	%Cft	15500.97	39062	252	Cft	%Cft	15500.97	39062	7836	Cft	%Cft	15500.97	1214656	8088	1253718	1214656
11	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density 4.5% Bitumen 2" thick.	25224	Sft	%Sft	10812.30	2727295	25224	Sft	%Sft	11770.34	2727295	1400	Sft	%Sft	10812.30	151372	26624	2878667	151373
Total Rs:-						2816435	Total						2816435	2142214				4958649	2142214


SENIOR SUB ENGINEER
 BUILDINGS SUB DIVISION
 KAMALIA


SUB DIVISIONAL OFFICER
 BUILDINGS SUB DIVISION
 KAMALIA


EXECUTIVE ENGINEER
 BUILDINGS DIVISION
 TOBA TEK SINGH.

METTLED ROAD

83

- 1 Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre).

main intrance	1	x	120.000	x	14	x	1	=	1680	Cft
---------------	---	---	---------	---	----	---	---	---	------	-----

Total	=	1680	cft
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- 2 removing road edgig main intrance

2	x	120.000	=	240	Rft
3	x	344.000	=	1032	"
2	x	480.000	=	960	"
2	x	229.000	=	458	"
2	x	575.000	=	1150	"
2	x	61.000	=	122	"
2	x	120.000	=	240	"
			=	4202	Rft

- 3 Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects

main intrance	2	x	120.000	=	240	Rft
	3	x	344.000	=	1032	"
	2	x	480.000	=	960	"
	2	x	229.000	=	458	"
	2	x	575.000	=	1150	"
	2	x	61.000	=	122	"
	2	x	120.000	=	240	"
			=	4202	Rft	

- 3 Re- laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and. Qty as item no 1

			=	1680	Cft
--	--	--	---	------	-----

- 3 Earthwork in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade gradeor disc harrow or other suitable equipment, andcompaction by mechanical means at optimum moisturecontent and dressing to designed section, complete in all 95% to 100% maximum modified AASHO dry density.lead up to 1.5 mile

Qty as item no 1	1	x	120.000	x	14	x	3.5	=	5880	Cft
Total								=	5880	cft

- 3 provdiding and laying base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and.

1	x	344.000	x	14	x	0.333	=	1603.73	Cft
1	x	480.000	x	11	x	0.333	=	1758.24	"
1	x	229.000	x	12	x	0.333	=	915.084	"
1	x	575.000	x	10	x	0.333	=	1914.75	"
1	x	306.000	x	11.5	x	0.333	=	1171.83	"
1	x	61.000	x	14	x	0.3333	=	284.638	"
1	x	120.000	x	11	x	0.333	=	439.56	"
							=	8088	cft

- 1 Providing and laying bituminous priming coat, using 10lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre

1	x	120.000	x	14	✓	=	1680	Sft
1	x	344.000	x	14		=	4816	"
1	x	480.000	x	11	✓	=	5280	"
1	x	299.000	x	12	✓	=	3588	"
1	x	575.000	x	10	✓	=	5750	"
1	x	306.000	x	11.5	✓	=	3519	"
1	x	61.000	x	11	✓	=	671	"
1	x	120.000	x	11	✓	=	1320	"

Total	=	26624	Sft
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84


2 Providing and Laying sub base course of stone peodust of approved quality and grade i/c placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work lead 176 KM.

Qty as item No.4	26624	x	2%	x	0.5	=	266	Cft
					Total	=	266	Cft

4 Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density 4.5% Bitumen 2" thick.

Qty as item No.4						=	26624	Sft
					Total	=	26624	Sft


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

ANALYSIS OF RATE FOR CARPET

85

DESCRIPTION OF ITEM

1st JAUNARY-2021 to 30th JUNE 2021

Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. 4.5% Bitumen.

	1st JAUNARY-2021 to 30th JUNE 2021	P. %Sft
1	Carpet 4.5%	5406.15
2	Subsequent carriage from Kirana Quarry to Site of work Lead 1176 Km $1176-10 \times 29.35 + 745.95 / 100 \times 8.225$	2876.12
	G. Total: -	8282.27

Rate for 2" thick

8282.27 x2

16564.54

DESCRIPTION OF ITEM


Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. 4.0% Bitumen

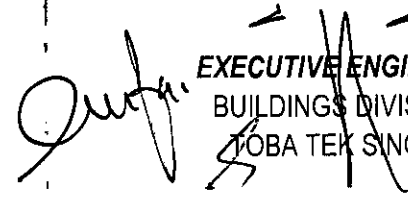
	1st JAUNARY-2021 to 30th JUNE 2021	P. %Sft
1	Carpet 4%	5030.35
2	Subsequent carriage from Kirana Quarry to Site of work Lead 1176 Km $1176-10 \times 29.35 + 745.95 / 100 \times 8.225$	2876.12
	G. Total: -	7906.47

Rate for 1.5" thick

7906.47 x1.5

11859.71


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

COMPARATIVE STATEMENT OF BOUNDARY WALL.

(Based on 1st Bi-annual 2022)

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	Amount	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1.	Dismantling brick work in lime or cement mortar.	12895	Cft	%Cft	3500.65	451409	12895	Cft	%Cft	3500.65	451409	0				12895	451409	0	
2.	Construction of Boundary wall	2761	Rft	P.Rft	2979.00	8225019	2761	Rft	P.Rft	2979.00	8225019	1318	Rft	P.Rft	2979.00	3926322	12895	12151341	3926322
3.	Supplying and fixing broken glasses on court yard walls,including 1:3: 6 cement concrete coping.											1318	Rft	P.Rft	80.65	106297	12895	106297	106297
						Total Rs.	8676428					Total =	8676428	0	4032619	12769047	4032619	4255293	
Deduction of Old Material.						(-)	771121					(-)	771121	0	4255293	771121	0	0	
						Total Rs.	7905307					Total Rs.	7905307	0	4032619	11937926	4032619	4255293	

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SENIOR SUB ENGINEER
 BUILDINGS SUB DIVISION
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EXECUTIVE ENGINEER
 BUILDINGS DIVISION
 TOBA TEK SINGH.

CONSTRUCTION OF BOUNDARY WALL

1 Dismantling brick work in lime or cement mortar.

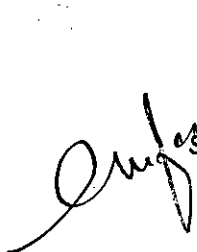
1	x	640.000	x	0.75	x	6	=	2880	Cft
1	x	640.000	x	1.125	x	3	=	2160	"
1	x	540.000	x	0.75	x	6	=	2430	"
1	x	540.000	x	1.125	x	3	=	1823	"
1	x	101.000	x	0.75	x	4	=	303	"
1	x	101.000	x	1.125	x	3	=	341	"
1	x	98.000	x	0.75	x	4	=	294	"
1	x	366.000	x	0.75	x	4	=	1098	"
1	x	366.000	x	1.125	x	3	=	1235	"
1	x	98.000	x	1.125	x	3	=	331	"
Total								=	<u>12895</u> Cft


2 Construction of Boundary wall

(640+806+750+101+98+366)	=	2761	Rft
Total			= <u>2761</u> Rft

COST OF OLD MATERIAL

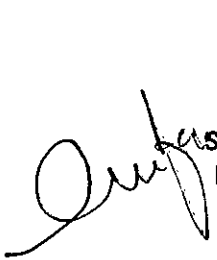
* Old Bricks									
Qty as item No.1	12895	x	13.5	x	60%	=	104450	No	
				@	6000		%0Nos		626697
* Bricks batts									
Qty as item No.1	12895	x	40%			=	5158	Cft	
				@	2800		%Cft		144424
									<u>771121</u>

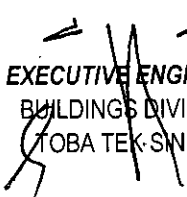

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 KAMALIA


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 BUILDINGS DIVISION
 TOBA TEK SINGH.

ADDITIONAL HEIGHT OF BOUNDARY WALL

1	pacca brick work in foundation and plinth 1:6	1	x	100.000	x	1.125	x	2.5	=	281	Cft	
								Total	=	281	Cft	
							@	22973.05	%cft			64554
1	pointing cement sand mortar with red oxide pigment 1:2	2	x	100.000	x	1	x	2	=	400	sft	
								Total	=	400	sft	
							@	3336.55	%sft			13346
												77900
	Rate Per RFt							77900		100	=	779


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK-SINGH.

COMPARATIVE STATEMENT OF WATER SUPPLY ✓

(Based on 1st Bi-annual 2022)

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1.	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) etc. complete in all respects.	5309	Cft	%0Cft	6204.00	32937	5309	Cft	%0Cft	6204.00	32937					5309	32937	0	
2.	Construction of Manhole (Analysis Attached)	10	No	Each	15600.00	156000	10	No	Each	15600.00	156000					10	156000	0	
3.	P/F.PPRC pipe PN-16 pipe 63 mm.											250	Rft	P.Rft	262.30	65575	250	65575	
4.	P/F Gate Valve made of USA 2" dia.											10	No	Each	16015.80	160158	10	160158	
3.	P/L disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects:- 5" dia. <i>PN 12.5 (SDR-13.6)</i>	90	Rft	P.Rft	263.67	23730	90	Rft	P.Rft	<i>263.67</i> <i>370.45</i>	<i>33341</i> <i>23730</i>					90	<i>33341</i> <i>23730</i>	0	
4.	----- do ----- 4" dia.	634	Rft	P.Rft	206.00	130501	634	Rft	P.Rft	206.00	130501					634	130501	0	
5.	----- do ----- 90 mm	1632	Rft	P.Rft	136.75	223199	1632	Rft	P.Rft	<i>136.75</i> <i>215.45</i>	<i>223199</i> <i>400574</i>					1632	<i>223199</i> <i>400574</i>	0	
	Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material). Double											4	No	Each	9175.70	36703	4	36703	
Total Rs.					566368	Total Rs.					566368	262436					262436	828803	262436

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KAMALIA

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BUILDINGS SUB DIVISION
KAMALIA

WATER SUPPLY

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

HDP pipe 5" dia.	1	x	90.000	x	1.5	x	1.5	=	203	Cft
HDP 4" dia	1	x	96.000	x	1.5	x	1.5	=	216	"
	1	x	119.000	x	1.5	x	1.5	=	268	"
	1	x	34.000	x	1.5	x	1.5	=	77	"
	1	x	34.000	x	1.5	x	1.5	=	77	"
	1	x	19.000	x	1.5	x	1.5	=	43	"
	1	x	24.000	x	1.5	x	1.5	=	54	"
	1	x	16.000	x	1.5	x	1.5	=	36	"
	1	x	29.000	x	1.5	x	1.5	=	65	"
	1	x	15.500	x	1.5	x	1.5	=	35	"
	1	x	12.000	x	1.5	x	1.5	=	27	"
	1	x	24.000	x	1.5	x	1.5	=	54	"
	1	x	12.000	x	1.5	x	1.5	=	27	"
	1	x	22.000	x	1.5	x	1.5	=	50	"
	1	x	65.000	x	1.5	x	1.5	=	146	"
	1	x	16.000	x	1.5	x	1.5	=	36	"
	1	x	57.000	x	1.5	x	1.5	=	128	"
	1	x	21.000	x	1.5	x	1.5	=	47	"
	1	x	18.000	x	1.5	x	1.5	=	41	"
							1.5			"
HDP pipe 90 mm	1	x	108.000	x	1.5	x	1.5	=	243	"
	1	x	42.000	x	1.5	x	1.5	=	95	"
	1	x	11.000	x	1.5	x	1.5	=	25	"
	1	x	8.500	x	1.5	x	1.5	=	19	"
	1	x	86.000	x	1.5	x	1.5	=	194	"
	1	x	12.000	x	1.5	x	1.5	=	27	"
	1	x	12.000	x	1.5	x	1.5	=	27	"
	1	x	20.000	x	1.5	x	1.5	=	45	"
	1	x	123.000	x	1.5	x	1.5	=	277	"
	1	x	58.000	x	1.5	x	1.5	=	131	"
	1	x	124.000	x	1.5	x	1.5	=	279	"
	1	x	16.000	x	1.5	x	1.5	=	36	"
	1	x	55.500	x	1.5	x	1.5	=	125	"
	1	x	48.000	x	1.5	x	1.5	=	108	"
	1	x	3.000	x	1.5	x	1.5	=	7	"
	1	x	17.000	x	1.5	x	1.5	=	38	"
	1	x	27.000	x	1.5	x	1.5	=	61	"
	1	x	24.000	x	1.5	x	1.5	=	54	"
	1	x	24.000	x	1.5	x	1.5	=	54	"
	1	x	7.000	x	1.5	x	1.5	=	16	"
	1	x	14.000	x	1.5	x	1.5	=	32	"
	1	x	29.000	x	1.5	x	1.5	=	65	"
	1	x	19.000	x	1.5	x	1.5	=	43	"
	1	x	23.000	x	1.5	x	1.5	=	52	"
	1	x	19.000	x	1.5	x	1.5	=	43	"

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1	x	35.000	x	1.5	x	1.5	=	79	"
1	x	33.000	x	1.5	x	1.5	=	74	"
1	x	154.000	x	1.5	x	1.5	=	347	"
1	x	63.000	x	1.5	x	1.5	=	142	"
1	x	11.000	x	1.5	x	1.5	=	25	"
1	x	19.000	x	1.5	x	1.5	=	43	"
1	x	25.000	x	1.5	x	1.5	=	56	"
1	x	16.750	x	1.5	x	1.5	=	38	"
1	x	79.000	x	1.5	x	1.5	=	178	"
1	x	18.000	x	1.5	x	1.5	=	41	"
1	x	27.000	x	1.5	x	1.5	=	61	"
1	x	18.000	x	1.5	x	1.5	=	41	"
1	x	12.667	x	1.5	x	1.5	=	29	"
1	x	16.000	x	1.5	x	1.5	=	36	"
1	x	27.750	x	1.5	x	1.5	=	62	"
1	x	45.000	x	1.5	x	1.5	=	101	"
1	x	102.000	x	1.5	x	1.5	=	230	"
Total							=	5309	Cft

2 2 Construction of Manhole

= 10 Nos

- 3 3 Providing, laying, testing and commissioning of POLYPRO PYLENE RANDOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).
PN-16 pipe 63 mm.

= 250 Rft

- 4 Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) i/c the cost of all accessories flanges,nut/bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge. Bronze Threaded Valves 2" dia

= 10 Nos

- 5 Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects:- 5" dia.

= 90 Rft

- i ----- do ----- 4" dia.


= 633.50 Rft

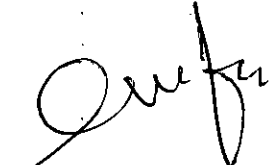
- ii ----- do ----- 90 mm

= 1632.16 Rft

- 6 Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material). Double

= 4 Nos


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA



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ANALYSIS OF MANHOLE SIZE 4'x3'

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

$$1 \times 4 \times 3 \times 1.75 = 21 \text{ Cft} \\ @ 7272.55 \% \text{ Cft} \quad 153 \text{ /-}$$

2. Cement concrete brick or stone ballast 1-1/2" to 2" ratio (1:6:12).

$$1 \times 4 \times 3 \times 0.5 = 6 \text{ Cft} \\ @ 14127.90 \% \text{ Cft} \quad 848 \text{ /-}$$

3. Pacca brick work in cement sand mortar (1:4) in other than building upto 10' height.

$$\begin{aligned} 2 \times 4 \times 0.75 \times 3 &= 18 \text{ Cft} \\ 2 \times 1.875 \times 0.75 \times 3 &= 8.438 \text{ Cft} \\ \text{Total} &= 26.44 \text{ Cft} \\ @ 25026.95 \% \text{ Cft} \quad 6616 \text{ /-} \end{aligned}$$

4. 1/2" thick cement sand plaster (1:4) with floating coat 1/32" thick.

$$\begin{aligned} 2 \times (4 + 3) \times 1.75 &= 24.5 \text{ Sft} \\ 2 \times (4 + 3) \times 0.75 &= 10.5 \text{ Sft} \\ \text{Total} &= 35 \text{ Sft} \\ @ 4066.57 \% \text{ Sft} \quad 1423 \text{ /-} \end{aligned}$$

5. P/L, cement concrete plain 1:2:4 i/c placing, compaction, finishing & curing washing complete.

$$1 \times 4 \times 3 \times 0.25 = 3 \text{ Cft} \\ \text{Rate 167 KM Lead}(28971.35+5825.20)= @ 34796.55 \% \text{ Cft} \quad 1044 \text{ /-}$$

6. Extra for making and finishing benching floor work in manhole chamber, with 1/8" thick cement finish

$$1 \times 4 \times 3 = 12 \text{ Sft} \\ @ 2308.90 \% \text{ Sft} \quad 277 \text{ /-}$$

7. RCC in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ complete in all respects Type C (nominal mix 1:2:4)

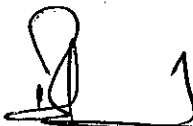
$$1 \times 4.5 \times 3.5 \times 0.25 = 3.938 \text{ Cft} \\ \text{Total} = 3.938 \text{ Cft} \\ \text{Rate } (471.8+58.25)= 167 \text{ KM lead chart.} @ 530.05 \text{ P Cft} \quad 2087 \text{ /-}$$

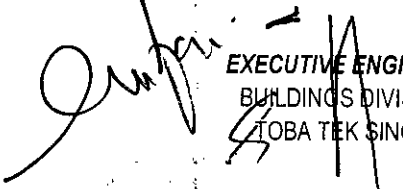
8. Fabrication of mild steel reinforcement for cement conc. i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), deformed bar.

$$\text{Qty as item No.7} = 3.9375 \times 6.75 \times 0.4536 = 12 \text{ Kg} \\ @ 25933.55 \% \text{ Kg} \quad 3112 \text{ /-}$$

Total: - 15560 /-

Say Rs = 15600 /-


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

COMPARATIVE STATEMENT OF EXTERNAL ELECTRIFICATION.

(Based on 1st Bi-annual 2022)

[illegible]

0/3

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving	
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=7.3' x W=12.5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											228	Cft	P.Cft	4,377.05	997967	228	997967	997967	
									TOTAL AMOUNT OF OFFER : Pak Rs.							3637930		3637930	3637930	
5.	AUTOMATIC TRANSFER SWITCH (ATS-1)																			
A	INCOMING																			
	P/F floor mounted 150KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	1,833,923.45	1833923	1	1833923	1833923	
																NET AMOUNT : Pak Rs.	1833923		1833923	1833923
A	INCOMING (FROM ATS-1)																			
1	250A FP MCCB 25KA											1	Nos.	Each	45,878.00	45878	1	45878	45878	
B	INCOMING (FROM 150KVA Generator)																			
1	250A FP MCCB 25KA											1	No	Each	45,878.00	45878	1	45878	45878	
C	OUTGOING																			
1	250A TP MCCB 25KA											3	No	Each	31,654.30	94963	3	94963	94963	
2	150A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654	
												NET AMOUNT OF COMPONENT : Pak Rs.				2052297		2052297	2052297	

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=6' x W=5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											75	Cft	P.Cft	3,438.40	257880	75	257880	257880
												NET AMOUNT : Pak Rs.				257880	0	257880	257880
												TOTAL AMOUNT OF OFFER : Pak Rs.				4144100	0	4144100	4144100
6.	AUTOMATIC TRANSFER SWITCH (ATS-1)																		
A	INCOMING																		
1	P/F floor mounted 200KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer incharge. (Breakers will be paid additionally).											1	No	Each	1,833,923.45	1833923	1	1833923	1833923
												NET AMOUNT : Pak Rs.				1833923		1833923	1833923
A	INCOMING (FROM ATS-1)																		
1	400A FP MCCB 25KA											1	No	Each	72,596.80	72597	1	72597	72597
B	INCOMING (FROM 200KVA Generator)																		
1	400A FP MCCB 25KA											1	No	Each	72,596.80	72597	1	72597	72597
C	OUTGOING																		
1	250A TP MCCB 25KA											2	No	Each	31,654.30	63309	2	63309	63309
1	200A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
												NET AMOUNT OF COMPONENT : Pak Rs.				2074080		2074080	2074080

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recesseded/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460	0	100460	100460
												For 2 set				200919		200919	200919
9	100A DISTRIBUTION BOARD-(Female Ward)	02-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											6	No	Each	1,103.05	6618	6	6618	6618
2	32A TP MCB 6KA											3	No	Each	6,754.30	20263	3	20263	20263
												NET AMOUNT OF COMPONENT : Pak Rs.				38316		38316	38316
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recesseded/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460		100460	100460
												For 2 set				200919		200919	200919
10	100A DISTRIBUTION BOARD-(Children Ward)	02-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											6	No	Each	1,103.05	6618	6	6618	6618
2	32A TP MCB 6KA											3	No	Each	6,754.30	20263	3	20263	20263
												NET AMOUNT OF COMPONENT : Pak Rs.				38316		38316	38316

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460		100460	100460
															For 2 set	200919		200919	200919
11	100A DISTRIBUTION BOARD-(OT)					01-SET.													
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											6	No	Each	1,103.05	6618	6	6618	6618
2	32A TP MCB 6KA											3	No	Each	6,754.30	20263	3	20263	20263
												NET AMOUNT OF COMPONENT : Pak Rs.				38316		38316	38316
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460		100460	100460
12	100A DISTRIBUTION BOARD-(Eye Ward)					02-SETs.													
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											6	No	Each	1,103.05	6618	6	6618	6618
2	32A TP MCB 6KA											3	No	Each	6,754.30	20263	3	20263	20263
												NET AMOUNT OF COMPONENT : Pak Rs.				38316		38316	38316

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recesseded/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460		100460	100460
															For 2 set	200919		200919	200919
13	100A DISTRIBUTION BOARD-(OPD-01 & 02)	02-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											16	No	Each	1,103.05	17649	16	17649	17649
												NET AMOUNT OF COMPONENT : Pak Rs.				29083		29083	29083
1	P/F wall-mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recesseded/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				91227		91227	91227
															For 2 set	182454		182454	182454
14	AUTOMATIC TRANSFER SWITCH (ATS-3) (EYE BLOCK)	01-SET.																	
A	INCOMING																		

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F floor mounted 25KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fomt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	790,029.70	790030	1	790030	790030
												NET AMOUNT : Pak Rs.				790030		790030	790030
A	INCOMING (FROM ATS-2)																		
1	200A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
B	INCOMING (FROM 25KVA Transformer)																		
1	200A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
C	OUTGOING																		
1	60A TP MCCB 10KA											6	No	Each	11,434.30	68606	6	68606	68606
												NET AMOUNT OF COMPONENT : Pak Rs.				950392		950392	950392
1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=5' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											20	Cft	P.Cft	3,438.40	68768	20	68768	68768
												NET AMOUNT : Pak Rs.				68768		68768	68768
												TOTAL AMOUNT OF OFFER : Pak Rs.				1809189		1809189	1809189
15	100A DISTRIBUTION BOARD-(Eye Block)																		
A	INCOMING																		
1	60A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052		100052	100052
															For 4-Set	400206		400206	400206
16	250A SUB MAIN PANEL BOARD-(SMPB-MALE WARD)					01-SET.													
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP,MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24.00	Cft	P.Cft	3,438.40	82522	24	82522	82522
												TOTAL AMOUNT OF OFFER : Pak Rs.				171346		171346	171346
17	100A DISTRIBUTION BOARD-(MALE WARD)					04-SETs.													
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052	0	100052	100052
18	250A SUB MAIN PANEL BOARD-(SMPB-FEMALE WARD)	01-SET.													For 4-Sets	400206		400206	400206
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24	Cft	P.Cft	3,438.40	82522	24	82522	82522
												TOTAL AMOUNT OF OFFER : Pak Rs.				171346		171346	171346
19	100A DISTRIBUTION BOARD-(FEMALE WARD)	04-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

Sr #	Description of Items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
22	250A SUB MAIN PANEL BOARD-(OT)					01-SET.						TOTAL AMOUNT OF OFFER : Pak Rs.				100052		100052	100052
A	INCOMING														For 4-Sets	400206		400206	400206
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall-mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24	No	Each	3,438.40	82522	24	82522	82522
												NET AMOUNT OF COMPONENT : Pak Rs.				171346		171346	171346
23	100A DISTRIBUTION BOARD-(OT)					04-SETs.													
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
26	NEW EMEGENCY BLOCK (ATS-4)	01-SET.										TOTAL AMOUNT OF OFFER : Pak Rs.				96742	0	96742	96742
A	INCOMING														For 8-Sets	773940		773940	773940
1	P/F floor mounted 100KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	801,447.00	801447	1	801447	801447
A	INCOMING (FROM 100kVA TRANSFORMER)											NET AMOUNT : Pak Rs.				801447		801447	801447
1	250A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
B	INCOMING (FROM 50KVA GENERATOR)											1	No	Each	45,878.05	45878	1	45878	45878
1	250A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
C	OUTGOING											2	No	Each	31,654.00	63308	2	63308	63308
1	250A TP MCCB 25KA											2	No	Each	31,654.00	63308	2	63308	63308
												NET AMOUNT OF COMPONENT : Pak Rs.				956511		956511	956511

COMPARATIVE STATEMENT OF EXTERNAL ELECTRIFICATION.

(Based on 1st Bi-annual 2022)

[illegible]

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving	
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=7.3' x W=12.5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											228	Cft	P.Cft	4,377.05	997967	228	997967	997967	
									TOTAL AMOUNT OF OFFER : Pak Rs.								3637930		3637930	3637930
	5. AUTOMATIC TRANSFER SWITCH (ATS-1)																			
	A INCOMING																			
	P/F floor mounted 150KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC,3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	1,833,923.45	1833923	1	1833923	1833923	
</																				

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=6' x W=5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars,Controls. Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											75	Cft	P.Cft	3,438.40	257880	75	257880	257880
												NET AMOUNT : Pak Rs.				257880	0	257880	257880
												TOTAL AMOUNT OF OFFER : Pak Rs.				4144100	0	4144100	4144100
6.	AUTOMATIC TRANSFER SWITCH (ATS-1)																		
A	INCOMING																		
1	P/F floor mounted 200KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	1,833,923.45	1833923	1	1833923	1833923
												NET AMOUNT : Pak Rs.				1833923		1833923	1833923
A	INCOMING (FROM ATS-1)																		
1	400A FP MCCB 25KA											1	No	Each	72,596.80	72597	1	72597	72597
B	INCOMING (FROM 200KVA Generator)																		
1	400A FP MCCB 25KA											1	No	Each	72,596.80	72597	1	72597	72597
C	OUTGOING																		
1	250A TP MCCB 25KA											2	No	Each	31,654.30	63309	2	63309	63309
1	200A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
												NET AMOUNT OF COMPONENT : Pak Rs.				2074080		2074080	2074080

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recesseded/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460	0	100460	100460
9	100A DISTRIBUTION BOARD-(Female Ward)														For 2 set	200919		200919	200919
A	INCOMING					02-SETs.													
1	100A TP MCCB 10KA																		
B	OUTGOING											1	No	Each	11,434.30	11434	1	11434	11434
1	16/20A SP MCB 6KA											6	No	Each	1,103.05	6618	6	6618	6618
2	32A TP MCB 6KA											3	No	Each	6,754.30	20263	3	20263	20263
												NET AMOUNT OF COMPONENT : Pak Rs.				38316		38316	38316
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recesseded/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460		100460	100460
10	100A DISTRIBUTION BOARD-(Children Ward)														For 2 set	200919		200919	200919
A	INCOMING					02-SETs.													
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											6	No	Each	1,103.05	6618	6	6618	6618
2	32A TP MCB 6KA											3	No	Each	6,754.30	20263	3	20263	20263
												NET AMOUNT OF COMPONENT : Pak Rs.				38316		38316	38316

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100460		100460	100460
															For 2 set	200919		200919	200919
13	100A DISTRIBUTION BOARD-(OPD-01 & 02)	02-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	16/20A SP MCB 6KA											16	No	Each	1,103.05	17649	16	17649	17649
												NET AMOUNT OF COMPONENT : Pak Rs.				29083		29083	29083
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				91227		91227	91227
															For 2 set	182454		182454	182454
14	AUTOMATIC TRANSFER SWITCH (ATS-3) (EYE BLOCK)	01-SET.																	
A	INCOMING																		

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F floor mounted 25KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	790,029.70	790030	1	790030	790030
												NET AMOUNT : Pak Rs.				790030		790030	790030
A	INCOMING (FROM ATS-2)																		
1	200A FP.MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
B	INCOMING (FROM 25KVA Transformer)																		
1	200A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
C	OUTGOING																		
1	60A TP MCCB 10KA											6	No	Each	11,434.30	68606	6	68606	68606
												NET AMOUNT OF COMPONENT : Pak Rs.				950392		950392	950392
1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=5' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars.Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											20	Cft	P.Cft	3,438.40	68768	20	68768	68768
												NET AMOUNT : Pak Rs.				68768		68768	68768
												TOTAL AMOUNT OF OFFER : Pak Rs.				1809189		1809189	1809189
15	100A DISTRIBUTION BOARD-(Eye Block)					04-SETs.													
A	INCOMING																		
1	60A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052		100052	100052
												For 4-Set				400206		400206	400206
16	250A SUB MAIN PANEL BOARD-(SMPB-MALE WARD)					01-SET.													
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer incharge (Breakers will be Paid Separately).											24.00	Cft	P.Cft	3,438.40	82522	24	82522	82522
												TOTAL AMOUNT OF OFFER : Pak Rs.				171346		171346	171346
17	100A DISTRIBUTION BOARD-(MALE WARD)					04-SETs.													
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty	Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED									
						Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052	0	100052	100052
18	250A SUB MAIN PANEL BOARD-(SMPB-FEMALE WARD)	01-SET.													For 4-Sets	400206		400206	400206
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24	Cft	P.Cft	3,438.40	82522	24	82522	82522
												TOTAL AMOUNT OF OFFER : Pak Rs.				171346		171346	171346
19	100A DISTRIBUTION BOARD-(FEMALE WARD)	04-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052		100052	100052
20	250A SUB MAIN PANEL BOARD-(SMPB-Children WARD)	01-SET.													For 4-Sets	400206		400206	400206
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24	Cft	P.Cft	3,438.40	82522	24	82522	82522
												TOTAL AMOUNT OF OFFER : Pak Rs.				171346		171346	171346
21	100A DISTRIBUTION BOARD-(-Children WARD)	04-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

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Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052		100052	100052
22	250A SUB MAIN PANEL BOARD-(OT)	01-SET.													For 4-Sets	400206		400206	400206
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	100A TP MCCB 10KA											5	No	Each	11,434.00	57170	5	57170	57170
												NET AMOUNT OF COMPONENT : Pak Rs.				88824		88824	88824
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24	No	Each	3,438.40	82522	24	82522	82522
												NET AMOUNT OF COMPONENT : Pak Rs.				171346		171346	171346
23	100A DISTRIBUTION BOARD-(OT)	04-SETs.																	
A	INCOMING																		
1	100A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											24	No	Each	1,103.05	26473	24	26473	26473
												NET AMOUNT OF COMPONENT : Pak Rs.				37908		37908	37908

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				100052	0	100052	100052
24	250A SUB MAIN PANEL BOARD-(OPD-1 & 2)					01-SET.									For 4-Sets	400206		400206	400206
A	INCOMING																		
1	250A TP MCCB 25KA											1	No	Each	31,654.30	31654	1	31654	31654
B	OUTGOING																		
1	60A TP MCCB 10KA											8	No	Each	11,434.00	91472	8	91472	91472
												NET AMOUNT OF COMPONENT : Pak Rs.				123126		123126	123126
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											24	No	Each	3,438.40	82522	24	82522	82522
												NET AMOUNT OF COMPONENT : Pak Rs.				205648		205648	205648
25	100A DISTRIBUTION BOARD-(OPD-1 & 2)					08-SETs.													
A	INCOMING																		
1	60A TP MCCB 10KA											1	No	Each	11,434.30	11434	1	11434	11434
B	OUTGOING																		
1	10/16/20A SP MCB 6KA											21	No	Each	1,103.05	23164	21	23164	23164
												NET AMOUNT OF COMPONENT : Pak Rs.				34598		34598	34598


Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).											4.50	Cft	P.Cft	13,809.80	62144	5	62144	62144
												TOTAL AMOUNT OF OFFER : Pak Rs.				96742	0	96742	96742
26	NEW EMERGEY BLOCK (ATS-4)	01-SET.													For 8-Sets	773940		773940	773940
A	INCOMING																		
1	P/F floor mounted 100KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).											1	No	Each	801,447.00	801447	1	801447	801447
												NET AMOUNT : Pak Rs.				801447		801447	801447
A	INCOMING (FROM 100kVA TRANSFORMER)																		
1	250A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
B	INCOMING (FROM 50KVA GENERATOR)																		
1	250A FP MCCB 25KA											1	No	Each	45,878.05	45878	1	45878	45878
C	OUTGOING																		
1	250A TP MCCB 25KA											2	No	Each	31,654.00	63308	2	63308	63308
												NET AMOUNT OF COMPONENT : Pak Rs.				956511		956511	956511

Sr #	Description of items	As per Amended R.C.Estimate					AS PER REVISED R.C ESTIMATE										Total Qty (B+C)	AMOUNT	Excess / Saving
		Qty		Unit	Rate	Amount (A)	WORK ALLOTTED				WORK YET TO BE ALLOTTED								
							Qty	Unit	Rate	Amount (B)	Qty	Unit	Rate	Amount (C)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=5' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars,Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).											20	Cft	P.Cft	3,438.40	68768	20	68768	68768
												NET AMOUNT : Pak Rs.				68768	0	68768	68768
												TOTAL AMOUNT OF OFFER : Pak Rs.				1826726		1826726	1826726
															20673601		20673601	20673601	
27	PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:																		
28	400 mm sq (61/0.114")											140	Mtr	P/Mts	48,138.00	6739320	140	6739320	6739320
29	240 mm sq (37/0.114")											120	Mtr	P/Mts	30,146.50	3617580	120	3617580	3617580
30	120 mm sq (37/0.083")											330	Mtr	P/Mts	15,051.90	4967127	330	4967127	4967127
31	25 mm (19/0.052")											850	Mtr	P/Mts	3,363.10	2858635	850	2858635	2858635
32	16 mm (7/0.064")											500	Mtr	P/Mts	2,300.35	1150175	500	1150175	1150175
33	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	Qty as water supply										5309	Cft	%0Cft	6,204.00	32937	5309	32937	32937
34	Providing, laying, cutting, jointing, testing and disinfecting Providing and installing specials PVC/ uPVC pipe line with 'B' Class working pressure and valves is not included in the pipe, in trenches, complete in all respects:- 8" i/d (200 mm)	Qty as water supply										2355	Rft	P.Rft	1,145.10	2696711	2355	2696711	2696711
35	Construction of Hodi.											15	No	Each	15,600.00	234000	15	234000	234000

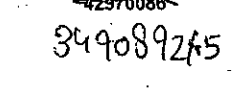
Total Rs:- 1791006


SENIOR SUB ENGINEER
BUILDINGS SUB DIVISION
KAMALIA

Total Rs:- 1791006


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA

Total Rs:- 42970086



EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.


Total Rs:- 42970086

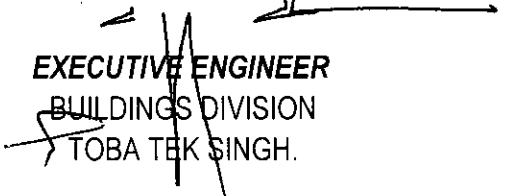
(COMPARATIVE STATEMENT OF FIRE ALARAM SYSTEM)

GENERAL ABSTRACT OF COST.

S.NO.	DESCRIPTION OF ITEM	AMOUNT AS PER AMENDED R.C. ESTIMATE.	AS PER REVISED R.C ESTIMATE		EXCESS/ SAVING	REMARKS.
			WORK ALLOTTED	WORK YET TO BE ALLOTTED		
1	FIRE ALARAM SYSTEM.	7172000	7172000	0		
		<hr/>	<hr/>	<hr/>		
		7172000	7172000	0		


SENIOR SUB ENGINEER
BUILDINGS SUB DIVISION
KAMALIA


SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
KAMALIA


EXECUTIVE ENGINEER
BUILDINGS DIVISION
TOBA TEK SINGH.

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PEMPAK

PERFECT ELEKTRO MEK
PAKISTAN (PVT.) LIMITED

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

Ref.: D/FM/456723/14229
Rabi-ul-Awal 23, 1444AH.
October 20, 2022.

Messer,
THE EXECUTIVE ENGINEER.
C&W KAMALIA
Pakistan.

Subject: QUOTATION FOR LOW VOLTAGE SWITCHGEAR
Project: THQ Hospital-Kamalia.

Dear Sir,

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

The summary of our offer is as under.

Sr.	Description of Equipment.	Amount
01	LOW VOLTAGE SWITCHGEAR: <i>Complete in all aspect as per your Requirements.</i>	20,673,601.30
Total Amount of Offer (Excluding GST):		Pak Rs. 20,673,601.30
Pak Rupees: Twenty Million Six Hundred Seventy-Three Thousand Six Hundred One-Only		

This offer is based on the following **Terms and conditions:**

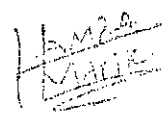
- ❖ The prices Ex-works duly Packed for inland transportation.
- ❖ Payment will be 50% advance, balance after final inspection to your entire satisfaction against delivery at our floor.
- ❖ The completion period will be 12-16 weeks after the technically and financially confirmed order.
- ❖ The equipment will be under complete Guarantee/Warranty for the period of one year.
- ❖ The prices are valid for 15 days afterwards subject to the reconfirmation.
- ❖ The components offered are subject to the availability otherwise approved equivalent.
- ❖ The standard and latest amended Force Majeure clause will be fully applicable throughout the contract.
- ❖ The offer is based on the present duties/Taxes structure. Any change will be charged at actual.

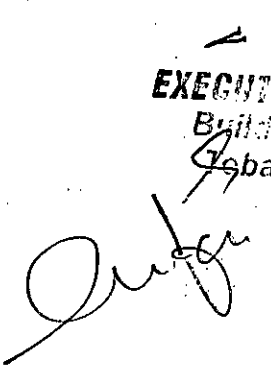
It may be your interest that the equipment being offered is with total quality control features for trouble free and long life field performance equipped with field tested components backed by the quality of commitment, the real essence of PEMPAK.


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


Thanking you in Anticipation.

Perfectly yours,


Engr. Hamza Malik
Asst. Manager Marketing
0345-400-9983


EXECUTIVE ENGINEER
Building Division
Gaba Singh


Engr. Ahmad Fawad
Manager Marketing
0345-400-9981


Sub-Divisional Officer
Buildings Sub-Division
Kamalia

Page: 1/1.
Quotation for L.V Switchgear.
M/s. The Executive Engineer.
Ref: D/FM/456723/14229 Dated 20-10-22

SCHEDULE OF PRICES FOR LOW VOLTAGE SWITCHGEAR (with MRS Rates).

Project: THQ Hospital-Kamalia.

PRICES:

Sr.#	Description of Equipment	Quantity	Rate	Amount
LV SWITCHGEAR.				
01	1200A MAIN PANEL: Complete in all aspect as per your Requirements.	01 Set.	3,637,930.20	3,637,930.20
02	AUTOMATIC TRANSE SWITCH (ATS-1) Complete in all aspect as per your Requirements.	01 Set.	4,144,100.10	4,144,100.10
03	AUTOMATIC TRANSE SWITCH (ATS-2) Complete in all aspect as per your Requirements.	01 Set.	4,165,883.40	4,165,883.40
04	POWER DISTRIBUTION BOARD (PDB-A/C): Complete in all aspect as per your Requirements.	01 Set.	337,178.30	337,178.30
05	100A DISTRIBUTION BOARD-(Male Ward) Complete in all aspect as per your Requirements.	02 Sets.	100,459.60	200,919.20
06	100A DISTRIBUTION BOARD-(Female Ward) Complete in all aspect as per your Requirements.	02 Sets.	100,459.60	200,919.20
07	100A DISTRIBUTION BOARD-(Children Ward) Complete in all aspect as per your Requirements.	02 Sets.	100,459.60	200,919.20
08	100A DISTRIBUTION BOARD-(OT) Complete in all aspect as per your Requirements.	01 Set.	100,459.60	100,459.60
09	100A DISTRIBUTION BOARD-(Eye Ward) Complete in all aspect as per your Requirements.	02 Sets.	100,459.60	200,919.20
10	100A DISTRIBUTION BOARD-(OPD-01 & 02) Complete in all aspect as per your Requirements.	02 Sets.	91,227.20	182,454.40
11	AUTOMATIC TRANSE SWITCH (ATS-3) EYE BLOCK Complete in all aspect as per your Requirements.	01 Set.	1,809,189.30	1,809,189.30
12	100A DISTRIBUTION BOARD-(EYE BLOCK) Complete in all aspect as per your Requirements.	04 Sets.	100,051.60	400,206.40
13	250A SUB MAIN PANEL BOARD-(Male Ward): Complete in all aspect as per your Requirements.	01 Set.	171,345.90	171,345.90
14	100A DISTRIBUTION BOARD-(Male Ward) Complete in all aspect as per your Requirements.	04 Sets.	100,051.60	400,206.40
15	250A SUB MAIN PANEL BOARD-(Female Ward): Complete in all aspect as per your Requirements.	01 Set.	171,345.90	171,345.90
16	100A DISTRIBUTION BOARD-(Female Ward) Complete in all aspect as per your Requirements.	04 Sets.	100,051.60	400,206.40
17	250A SUB MAIN PANEL BOARD-(Children Ward): Complete in all aspect as per your Requirements.	01 Set.	171,345.90	171,345.90
18	100A DISTRIBUTION BOARD-(Children Ward) Complete in all aspect as per your Requirements.	04 Sets.	100,051.60	400,206.40
19	250A SUB MAIN PANEL BOARD-(OT): Complete in all aspect as per your Requirements.	01 Set.	171,345.90	171,345.90
20	100A DISTRIBUTION BOARD-(OT) Complete in all aspect as per your Requirements.	04 Sets.	100,051.60	400,206.40
21	250A SUB MAIN PANEL BOARD-(OPD-01 & 02) : Complete in all aspect as per your Requirements.	01 Set.	205,647.90	205,647.90
22	100A DISTRIBUTION BOARD-(OPD-01 & 02) Complete in all aspect as per your Requirements.	08 Sets.	96,742.45	773,939.60
23	NEW EMERGENCY (ATS-4) Complete in all aspect as per your Requirements.	01 Set.	1,826,726.10	1,826,726.10
Total Amount:			Pak Rs.	20,673,601.30

Total Amount of Offer of All Items:			Pak Rs.	20,673,601.30
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Engr. Hamza Malik
Asst. Manager Marketing
0345-400-9983

EXECUTIVE ENGINEER

Engr. Ahmad Fawad
Manager Marketing
0345-400-9981

Sub-Divisional Officer
(Buildings Sub-Division
Kamalia

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PEMPAK

SCHEDULE OF SPECIFICATION & PRICES FOR L.V SWITCHGEAR					
Project: THQ Hospital Kamalia					
01-SET.					
Sr.	Description	Qty.	Unit	Rate	Amount
1	MAIN L.T PANEL				
A	INCOMING (FROM PROPOSED 630KVA T/F 01)				
1	1250A TP ACB 65KA	1	Nos.	478,159.00	478,159.00
B	OUTGOING-1				
1	400A TP MCCB 25KA	1	No.	62,434.30	62,434.30
2	250A TP MCCB 25KA	2	No.	31,654.30	63,308.60
A	BUS COUPLER				
1	1250A TP ACB 65KA	1	Nos.	478,159.00	478,159.00
A	INCOMING (FROM PROPOSED 630KVA T/F 02)				
1	1250A TP ACB 65KA	1	Nos.	478,159.00	478,159.00
C	OUTGOING-2				
1	400A TP MCCB 25KA	1	No.	62,434.30	62,434.30
2	250A TP MCCB 25KA	1	No.	31,654.30	31,654.30
3	150A TP MCCB 25KA	1	No.	31,654.30	31,654.30
Non-Schedule Items					
1	Motor Mechanism, Under Voltage Trip, Shunt Trip (For 1250A TP ACB)	3	Nos.	318,000.00	954,000.00
NET AMOUNT OF COMPONENT : Pak Rs.					2,639,962.80
1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=7.3' x W=12.5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	228.00	Cft	4,377.05	997,967.40
NET AMOUNT : Pak Rs.					997,967.40
TOTAL AMOUNT OF OFFER : Pak Rs.					3,637,930.20
2 AUTOMATIC TRANSFER SWITCH (ATS-1)					
01-SET.					
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	P/F floor mounted 150KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolytic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).	1	No.	1,833,923.45	1,833,923.45
NET AMOUNT : Pak Rs.					1,833,923.45
A	INCOMING (FROM ATS-1)				
1	250A FP MCCB 25KA	1	Nos.	45,878.00	45,878.00
B	INCOMING (FROM 150KVA Generator)				
1	250A FP MCCB 25KA	1	Nos.	45,878.00	45,878.00
C	OUTGOING				
1	250A TP MCCB 25KA	3	No.	31,654.30	94,962.90
1	150A TP MCCB 25KA	1	No.	31,654.30	31,654.30
NET AMOUNT OF COMPONENT : Pak Rs.					2,052,296.65

EXECUTIVE ENGINEER

Buildings Sub-Division

Goba Tek Singh

Sub-Divisional Officer
Buildings Sub-Division
Kamalia

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PEMPAK

1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=6' x W=5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	75.00	Cft	3,438.40	257,880.00
				NET AMOUNT : Pak Rs.	257,880.00
				TOTAL AMOUNT OF OFFER : Pak Rs.	4,144,100.10
3	AUTOMATIC TRANSFER SWITCH (ATS-2)	01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	P/F floor mounted 200KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).	1	No.	1,833,923.45	1,833,923.45
				NET AMOUNT : Pak Rs.	1,833,923.45
A	INCOMING (FROM ATS-1)				
1	400A FP MCCB 25KA	1	Nos.	72,596.80	72,596.80
B	INCOMING (FROM 200KVA Generator)				
1	400A FP MCCB 25KA	1	Nos.	72,596.80	72,596.80
C	OUTGOING				
1	250A TP MCCB 25KA	2	No.	31,654.30	63,308.60
1	200A TP MCCB 25KA	1	No.	31,654.30	31,654.30
				NET AMOUNT OF COMPONENT : Pak Rs.	2,074,079.95
1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=6' x W=5' x D=2.5'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	75.00	Cft	3,438.40	257,880.00
				NET AMOUNT : Pak Rs.	257,880.00
				TOTAL AMOUNT OF OFFER : Pak Rs.	4,165,883.40
4	POWER DISTRIBUTION BOARD (PDB-A/C)	01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	400A TP MCCB 25KA	1	No.	62,434.30	62,434.30
B	OUTGOING				
1	100A TP MCCB 10KA For DB's	12	Nos.	11,434.00	137,208.00
				NET AMOUNT OF COMPONENT : Pak Rs.	199,642.30
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=5' x W=4' x D=2'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	40.00	Cft	3,438.40	137,536.00
				TOTAL AMOUNT OF OFFER : Pak Rs.	337,172.30
5	100A DISTRIBUTION BOARD-(Male Ward)	02-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				

EXECUTIVE ENGINEER

Building Division
Toba

Sub-Divisional Officer
Buildings Sub-Division
Kamalia

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1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	16/20A SP MCB 6KA	6	Nos.	1,103.05	6,618.30
2	32A TP MCB 6KA	3	No.	6,754.30	20,262.90
NET AMOUNT OF COMPONENT : Pak Rs.					38,315.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,459.60
6 100A DISTRIBUTION BOARD-(Female Ward) 02-SETS.					
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	16/20A SP MCB 6KA	6	Nos.	1,103.05	6,618.30
2	32A TP MCB 6KA	3	No.	6,754.30	20,262.90
NET AMOUNT OF COMPONENT : Pak Rs.					38,315.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,459.60
7 100A DISTRIBUTION BOARD-(Children Ward) 02-SETS.					
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	16/20A SP MCB 6KA	6	Nos.	1,103.05	6,618.30
2	32A TP MCB 6KA	3	No.	6,754.30	20,262.90
NET AMOUNT OF COMPONENT : Pak Rs.					38,315.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,459.60
8 100A DISTRIBUTION BOARD-(OT) 01-SET.					
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	16/20A SP MCB 6KA	6	Nos.	1,103.05	6,618.30
2	32A TP MCB 6KA	3	No.	6,754.30	20,262.90
NET AMOUNT OF COMPONENT : Pak Rs.					38,315.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10

EXECUTIVE ENGINEER

Buildings Division

Toba Tek Singh

Sub-Divisional Officer
Buildings Sub-Division
Kamalia

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TOTAL AMOUNT OF OFFER : Pak Rs.					100,459.60
9	100A DISTRIBUTION BOARD-(Eye Ward)				02-SETs.
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B	OUTGOING				
1	16/20A SP MCB 6KA	6	Nos.	1,103.05	6,618.30
2	32A TP MCB 6KA	3	No.	6,754.30	20,262.90
NET AMOUNT OF COMPONENT : Pak Rs.					38,315.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,459.60
10	100A DISTRIBUTION BOARD-(OPD-01 & 02)				02-SETs.
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B	OUTGOING				
1	16/20A SP MCB 6KA	16	Nos.	1,103.05	17,648.80
NET AMOUNT OF COMPONENT : Pak Rs.					29,083.10
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					91,227.20
11	AUTOMATIC TRANSFER SWITCH (ATS-3) (EYE BLOCK)				01-SET.
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	P/F floor mounted 25KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).	1	No.	790,029.70	790,029.70
NET AMOUNT : Pak Rs.					790,029.70
A	INCOMING (FROM ATS-2)				
1	200A FP MCCB 25KA	1	Nos.	45,878.05	45,878.05
B	INCOMING (FROM 25KVA Transformer)				
1	200A FP MCCB 25KA	1	Nos.	45,878.05	45,878.05
C	OUTGOING				
1	60A TP MCCB 10KA	6	No.	11,434.30	68,605.80
NET AMOUNT OF COMPONENT : Pak Rs.					950,391.60

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1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=5' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	20.00	Cft	3,438.40	68,768.00
NET AMOUNT : Pak Rs.					68,768.00
TOTAL AMOUNT OF OFFER : Pak Rs.					1,809,189.30
12	100A DISTRIBUTION BOARD-(Eye Block)	04-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	60A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B	OUTGOING				
1	10/16/20A SP MCB 6KA	24	Nos.	1,103.05	26,473.20
NET AMOUNT OF COMPONENT : Pak Rs.					37,907.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,051.60
13	250A SUB MAIN PANEL BOARD-(SMPB-MALE WARD)	01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	250A TP MCCB 25KA	1	No.	31,654.30	31,654.30
B	OUTGOING				
1	100A TP MCCB 10KA	5	Nos.	11,434.00	57,170.00
NET AMOUNT OF COMPONENT : Pak Rs.					88,824.30
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	24.00	Cft	3,438.40	82,521.60
TOTAL AMOUNT OF OFFER : Pak Rs.					171,345.90
14	100A DISTRIBUTION BOARD-(MALE WARD)	04-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B	OUTGOING				
1	10/16/20A SP MCB 6KA	24	Nos.	1,103.05	26,473.20
NET AMOUNT OF COMPONENT : Pak Rs.					37,907.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,051.60
15	250A SUB MAIN PANEL BOARD-(SMPB-FEMALE WARD)	01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A	INCOMING				
1	250A TP MCCB 25KA	1	No.	31,654.30	31,654.30

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B	OUTGOING				
1	100A TP MCCB 10KA	5	Nos.	11,434.00	57,170.00
NET AMOUNT OF COMPONENT : Pak Rs.					88,824.30
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	24.00	Cft	3,438.40	82,521.60
TOTAL AMOUNT OF OFFER : Pak Rs.					171,345.90
16	100A DISTRIBUTION BOARD-(FEMALE WARD)	04-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	10/16/20A SP MCB 6KA	24	Nos.	1,103.05	26,473.20
NET AMOUNT OF COMPONENT : Pak Rs.					37,907.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,051.60

17	250A SUB MAIN PANEL BOARD-(SMPB-Children WARD)	01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	250A TP MCCB 25KA	1	No.	31,654.30	31,654.30
B OUTGOING					
1	100A TP MCCB 10KA	5	Nos.	11,434.00	57,170.00
NET AMOUNT OF COMPONENT : Pak Rs.					88,824.30
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	24.00	Cft	3,438.40	82,521.60
TOTAL AMOUNT OF OFFER : Pak Rs.					171,345.90
18	100A DISTRIBUTION BOARD-(Children WARD)	04-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	10/16/20A SP MCB 6KA	24	Nos.	1,103.05	26,473.20
NET AMOUNT OF COMPONENT : Pak Rs.					37,907.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,051.60

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19 250A SUB MAIN PANEL BOARD-(OT)		01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	250A TP MCCB 25KA	1	No.	31,654.30	31,654.30
B OUTGOING					
1	100A TP MCCB 10KA	5	Nos.	11,434.00	57,170.00
NET AMOUNT OF COMPONENT : Pak Rs.					88,824.30
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	24.00	Cft	3,438.40	82,521.60
TOTAL AMOUNT OF OFFER : Pak Rs.					171,345.90
20 100A DISTRIBUTION BOARD-(OT)		04-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	100A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	10/16/20A SP MCB 6KA	24	Nos.	1,103.05	26,473.20
NET AMOUNT OF COMPONENT : Pak Rs.					37,907.50
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10
TOTAL AMOUNT OF OFFER : Pak Rs.					100,051.60

21 250A SUB MAIN PANEL BOARD-(OPD-1 & 2)		01-SET.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	250A TP MCCB 25KA	1	No.	31,654.30	31,654.30
B OUTGOING					
1	60A TP MCCB 10KA	8	Nos.	11,434.00	91,472.00
NET AMOUNT OF COMPONENT : Pak Rs.					123,126.30
1	P/F wall mounted SUB MAIN PANEL BOARD of required depth and size (H=4' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor/Outdoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthing, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	24.00	Cft	3,438.40	82,521.60
TOTAL AMOUNT OF OFFER : Pak Rs.					205,647.90
22 100A DISTRIBUTION BOARD-(OPD-1 & 2)		08-SETs.			
Sr.	Description	Qty.	Unit	Rate	Amount
A INCOMING					
1	60A TP MCCB 10KA	1	No.	11,434.30	11,434.30
B OUTGOING					
1	10/16/20A SP MCB 6KA	21	Nos.	1,103.05	23,164.05
NET AMOUNT OF COMPONENT : Pak Rs.					34,598.35
1	P/F wall mounted DB (DISTRIBUTION BOARD) made with 16 SWG Sheet (Recessed/Surface Type) of size (H=3' x W=3' x D=0.5'), Powder Coated Paint, i/c the cost of Lock, Indication Lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter Selector Switch, Current Transformers and Controls, Complete in all respects as approved and directed by the Engineer Incharge (Breakers will be paid separately).	4.50	Cft	13,809.80	62,144.10

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TOTAL AMOUNT OF OFFER : Pak Rs.				96,742.45
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23	NEW EMERGENCY BLOCK (ATS-4)	01-SET.				
Sr.	Description	Qty.	Unit	Rate	Amount	
A	INCOMING					
1	P/F floor mounted 100KVA ATS (Auto Trasfer Switch) panel board, fabricated with 14SWG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, fornt access, extendible insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415VAC, 3-phase 4 wire, 50Hz TPN&E system having rated service, short circuit breaking capacity at 400VAC confirming to IEC-947-2 to accomodate given no. of circuit compoents, instruments & accessories, assembled & wired with Electrolitic Copper Bus Bars at 50deg and cables duly cleaned down to bare shining metal phosphate, manual change over i/c the cost of Lock, Indication Lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, CT's, Contactors, Relays, Door Earthing, Brass glands complete in all respects as provided and directed by the Engineer Incharge. (Breakers will be paid additionally).	1	No.	801,447.00	801,447.00	
NET AMOUNT : Pak Rs.					801,447.00	
A	INCOMING (FROM 100KVA TRANSFORMER)					
1	250A FP MCCB 25KA	1	Nos.	45,878.05	45,878.05	
B	INCOMING (FROM 50KVA GENERATOR)					
1	250A FP MCCB 25KA	1	Nos.	45,878.05	45,878.05	
C	OUTGOING					
1	250A TP MCCB 25KA	2	No.	31,654.00	63,308.00	
NET AMOUNT OF COMPONENT : Pak Rs.					956,511.10	
1	P/F floor mounted Electric Panel Board for Outgoing Breakers of required depth and size (H=5' x W=4' x D=1'), fabricated with 14SWG M.S (Indoor Type), Derusting, Zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, Thimbles, Copper Comb, Wiring, Neutral & Earth Bar, Glands, Current Transformers of specified capacity, Door Earthig, Brass Glands, Bus Bars, Controls, Complete in all respects and directed by the Engineer Incharge (Breakers will be Paid Separately).	20.00	Cft	3,438.40	68,768.00	
NET AMOUNT : Pak Rs.					68,768.00	
TOTAL AMOUNT OF OFFER : Pak Rs.					1,826,726.10	

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

Engr. Ahmed Fawad
Manager Marketing
0345-400-9981

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Sr.#	Description Of Electrical Equipment .	Qty:	Unit	Rate	Amount
23.00	Supply, Installation, Testing and Commissioning of 100KVA ATS EW EMERGENCY. Incoming From 100KVA Transformer & 50KVA GENERATOR, with Indication Lamp, Instrument Protection Fuse, including 200A Main Copper Bus Bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals assembled with SIEMENS, PEMPAK, PEL make of 14 SWG mild steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 70-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safety sheet, internal control & power wiring from protection & power., Including cost of all necessary materials complete in all aspect. All above MCCBs/MCBs, Make in Terasaki Japan/Legrand Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 500C. and shall be of one make only and not to be mixture.				
	INCOMING FROM 50KVA GENERATOR				
1	250A FP MCCB 25kA	Terasaki/Schneider/Eqv.	01 No.		
2	225A FP Magnetic Contactor-AC3	Terasaki/Schneider/Eqv.	01 No.		
3	Digital Ampere Meter	Entes/Camsco/Eqv	01 No.		
4	Ampere Selector Switch	GGT/Camsco/Eqv	01 No.		
5	Digital Volt Meter 0-600V	Entes/Camsco/Eqv	01 No.		
6	Volt Selector Switch	GGT/Camsco/Eqv	01 No.		
7	Current Transformer 200/5A	Metob/Fico/Eqv	06 Nos.		
8	Phase Indication Light (R+Y+B)	Hime/Schneider/Eqv	03 Nos.		
9	Auto/Manual Switch	GGT/Camsco/Eqv	01 Nos.		
10	Miniature Relay with Base	Finder/Eqv	02 Nos.		
11	6A Control MCB for Instrument Protection	Terasaki/Schneider/Eqv.	03 Nos.		
12	Electrical Inter-Locking System	PEMPAK	01 Job.		
	INCOMING FROM 100KVA Transformer				
1	250A FP MCCB 25kA	Terasaki/Schneider/Eqv.	01 No.		
2	225A FP Magnetic Contactor-AC3	Terasaki/Schneider/Eqv.	01 No.		
3	Digital Ampere Meter	Entes/Camsco/Eqv	01 No.		
4	Ampere Selector Switch	GGT/Camsco/Eqv	01 No.		
5	Digital Volt Meter 0-600V	Entes/Camsco/Eqv	01 No.		
6	Volt Selector Switch	GGT/Camsco/Eqv	01 No.		
7	Current Transformer 200/5A	Metob/Fico/Eqv	06 Nos.		
8	Phase Indication Light (R+Y+B)	Hime/Schneider/Eqv	03 Nos.		
9	Auto/Manual Switch	GGT/Camsco/Eqv	01 Nos.		
10	Miniature Relay with Base	Finder/Eqv	02 Nos.		
11	6A Control MCB for Instrument Protection	Terasaki/Schneider/Eqv.	03 Nos.		
	OUTGOING				
1	250A TP MCCB 10KA	Terasaki/Schneider/Eqv.	02 Nos.	1	Each.
B	LT POWER CABLE.				
	Supply at site, installation, testing and commissioning of PVC insulated PVC cable 600/1000V grade in prelaid conduits/ trenches or on cable trays as per routes discussed with site engineer, including supply and installation of all necessary fixing accessories, connections, identification tags, cables lugs properly crimped, at both ends all respect. Actual length of cables installed shall be measured for payment. Actual length of cables shall be measured at site by contractor before placing the order.				
1	400mm sq. 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer	170	Mtr.	
2	240mm sq. 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer	120	Mtr.	
3	120mm sq. 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer	330	Mtr.	
4	25mm sq. 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer	1250	Mtr.	
5	16mm sq. 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer	600	Mtr.	
C	Earthing System				
	Supply, Installation, Drilling of earth bore 3" (75mm) dia 70 to 80-ft deep or up to permanent water table, back filling ramming, with G.I pipe 50mm dia 14-SWG and tinned spike to be installed in premade bore all G.I pipe accessories like tees, bends, sockets etc. G.I pipe shall be connected to tinned copper spike be installed at bottom of G.I pipe all nuts and bolts & earthing leads consisting of standard electrolytic copper conductor 70mm sq to be installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location, earth connecting points consisting of copper plate 300mm longx50mm widex12.5mm thick to be installed, Construction of man hole 450mmx450mm x600mm deep with 225mm thick wall with cement mortar internal plaster 1:4, RCC 100mm thick man hole cover lifting hooks and the following words written with paint on cover "Earthing Pit", horizontal and vertical rising copper strip of size 25mm wide and 3mm thick as main circuit protective conductor. Terminating on earthing connection points and also fixed both sides for H.T/L.T/SM/PB/DB Panel & Cable tray or cable ladder as per site engineer.				
	a) Earthing system with Bores for Body of Transformers		4	Each	
	b) Earthing system with Bores for Neutral of Transformers		4	Each	
	c) Earthing system with Bores for MAIN L.T. PANEL/MAIN SWITCH BOARD/SUB MAIN PANEL BOARD & DISTRIBUTION BOARD.		10	Each	

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Toba Tek Singh

Sub-Divisional Officer
Buildings Sub-Division
Kamalia

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.

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO21010602
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO21010602
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	61.000	20.667	3.546	3.698	5.190	8.439	102.540
Utilization	20.254	20.555	3.517	3.244	5.047	1.643	54.260

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	27.238	20.000	47.238
Utilization	0	0	0	0	27.238	9.926	37.164

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

Revamping of this Hospital will lead to generation of employment for highly skilled /professional staff and unskilled staff leading to reduction of unemployment. Huge employment 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

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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

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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

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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:

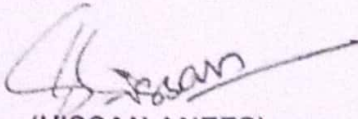
Tel. No.:

Fax No:

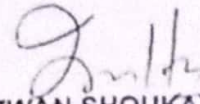
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

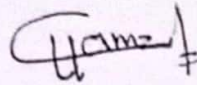
Prepared By:



(HISSAN ANEES)
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DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

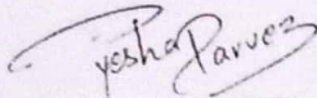


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(Oct-2022)

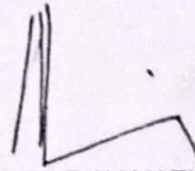


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Checked By:



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(Oct-2022)



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(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

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Kamalia District Toba Tek Singh

20. MARGINALISATION OF PC-1

SR.NO.	CRITERIA	YES/NO	COMMENTS
Description & Objectives			
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	
Use of Gender Disaggregated Data			
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	
Social Impact			
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	
Results Based Monitoring			
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	
Incursion/Participation			
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	
Monitoring & Evaluation			
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	