



PC-1

Revamping of THQ Hospital, Fateh Jhang District Attock

ORIGINAL APPROVED COST	PKR Million. 358.841/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Fateh Jhang District Attock

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. ATTOCK

2.2. TEHSIL(S)

I. FATEH JANG

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	GS No: 5241
4	Total Allocation: 0.000
5	Funds Diverted: 0.000
6	Balance Funds: 0.000
7	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

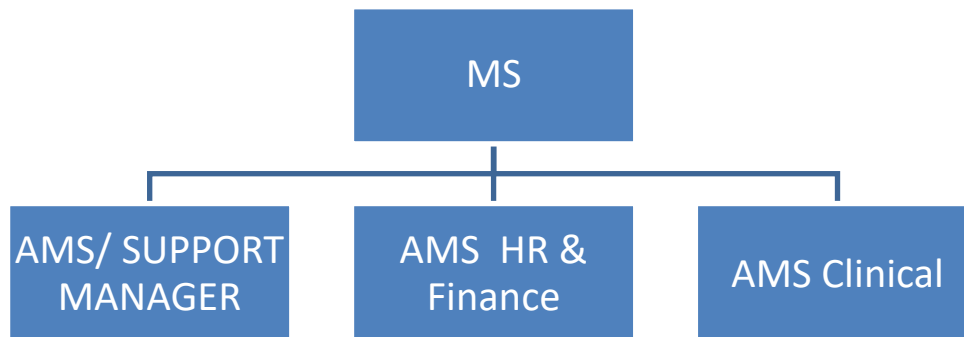
5.4.5 Security

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

5.6 HR & Management Interventions Structure

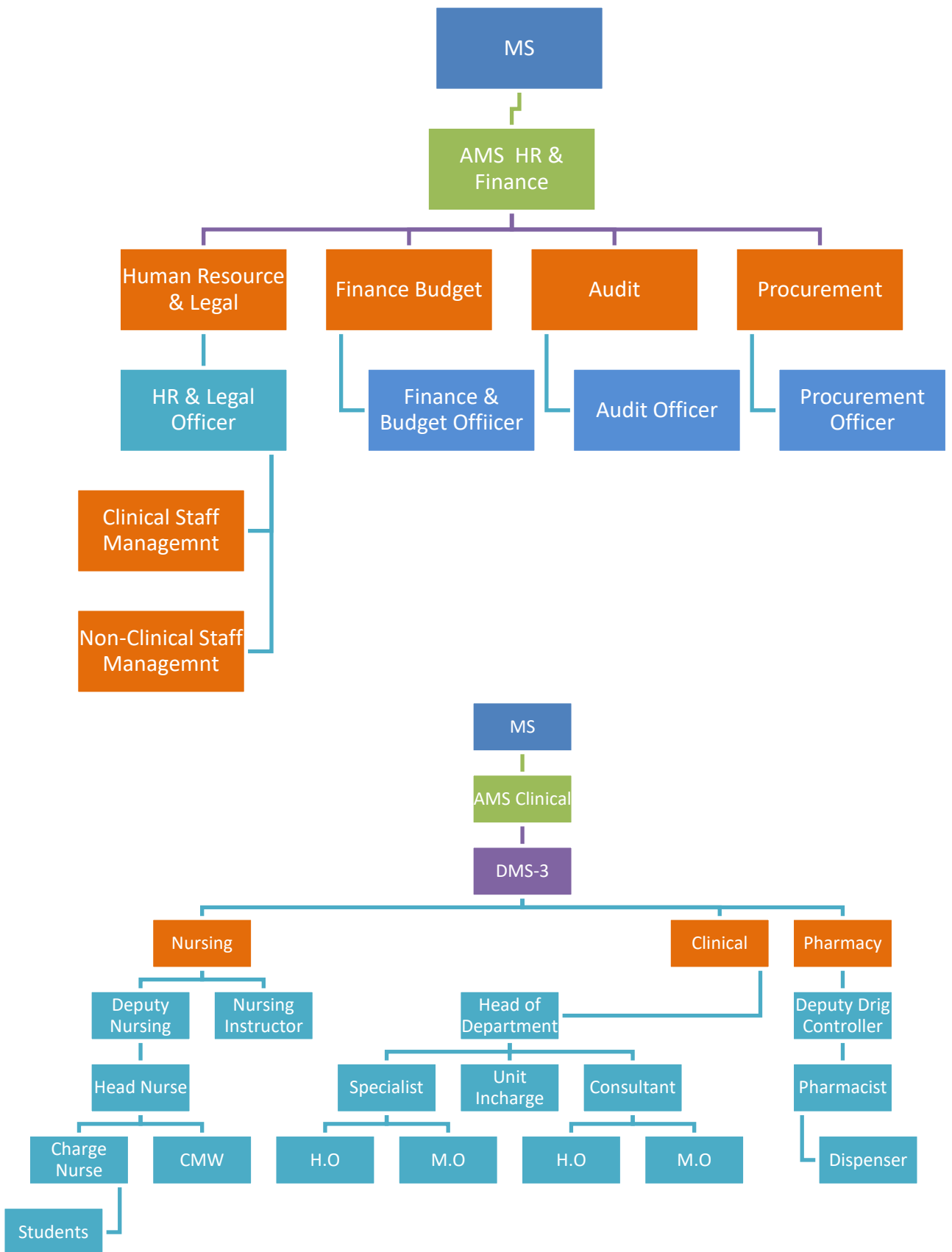
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

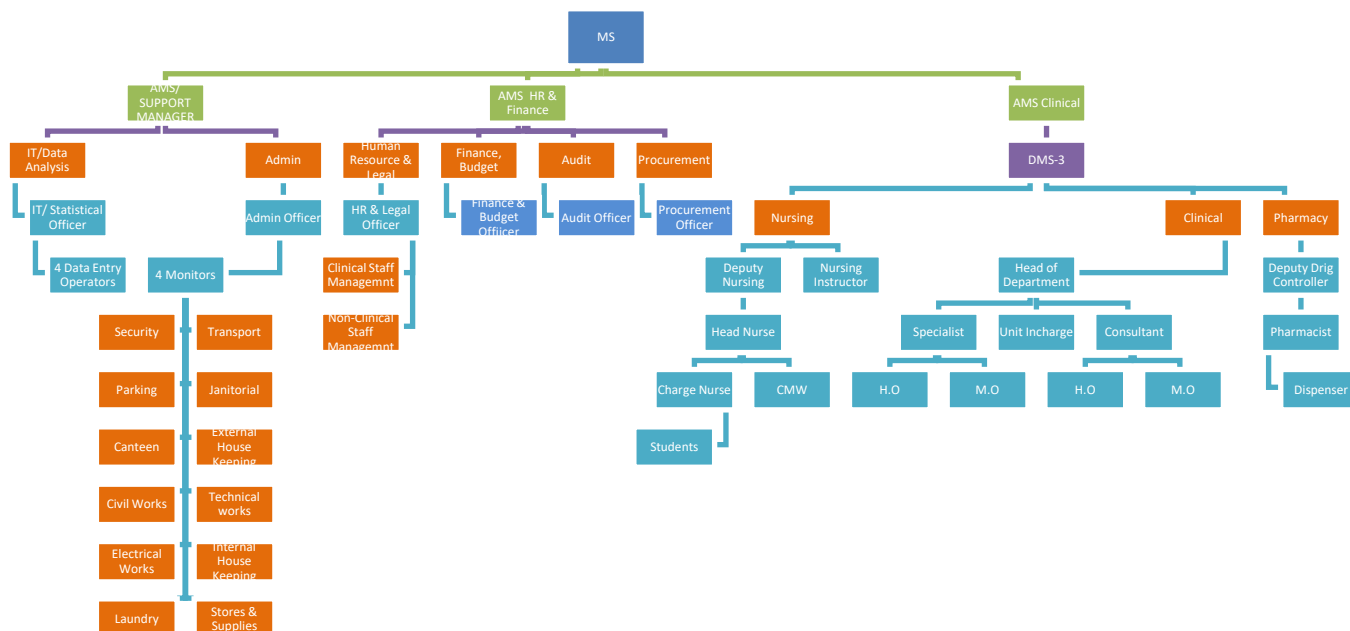
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

Description and Justification

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

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

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

Justification for 3rd Revision of PC-I

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

Name of Posts	60 th PDWP Meeting
---------------	-------------------------------

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

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

3. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.
4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 44.181 million to Rs. 62.540 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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



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:LO17010565
A/C To be Credited:Assan Assignment

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

PKR Million

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010042
A/C To be Credited:Account-I

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

PKR Million

Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

Abstract of Cost

Name of THQ Hospital	Revaming of THQ Hospital Fateh Jang											
	Original			1st Revised			2nd Revised			3rd Revised		
Scope of work	Cost in million											
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal Development	0.000	16.995	16.995	0.000	16.995	16.995	29.265	5.000	34.265	36.306	5.000	41.306
External Development	0.000	2.989	2.989	0.000	2.989	2.989	11.523	0.000	11.523	21.613	0.000	21.613
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	3.393	0.000	3.393	4.621	0.000	4.621
Total Capital Component	0.000	25.584	25.584	0.000	25.584	25.584	44.181	5.000	49.181	62.540	5.000	67.540
Emergency	0.000	20.463	20.463	0.000	20.463	20.463	0.000	27.876	27.876	0.000	47.336	47.336
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	53.532	53.532	0.000	53.532	53.532	0.000	71.580	71.580	0.000	111.134	111.134
Electricity	0.000	11.209	11.209	0.000	11.209	11.209	0.000	10.759	10.759	0.000	21.759	21.759
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.004	3.004	0.000	3.004	3.004	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	34.220	34.220	0.000	49.807	49.807
LC Deficit during procurement (currency fluctuation)								3.048	3.048		3.048	3.048
Total Revenue component	0.000	143.694	143.694	0.000	143.694	143.694	0.000	193.227	193.227	0.000	291.301	291.301
Outsourcing component												
Janitorial Services	0.000	12.168	12.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.860	5.860	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.020	2.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.677	3.677	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	8.735	8.735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	0.000	42.907	42.907	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.000	212.185	212.185	0.000	169.278	169.278	44.181	198.227	242.408	62.540	296.301	358.841
Contingency (1%) only on Civil Component	0.000	0.256	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	0.000	4.244	4.244	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	0.000	216.684	216.684	0.000	169.278	169.278	44.181	198.227	242.408	62.540	296.301	358.841

Emergency Equipment															
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-		99,750	-		99,750	-		99,750	-
2		Chairs	0		26,775	-		26,775	-		26,775	-		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	6	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	6	15,750	94,500	6	15,750	94,500	6	30,000	180,000	6	30,000	180,000
7		Gurney WITH FOOT STEP)*(N)	3	6	420,000	2,520,000	6	420,000	2,520,000	6	460,000	2,760,000	6	800,000	4,800,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paed's & adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	2,500,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-		420,000	-		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-		259,350	-		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-		125,265	-		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-		420,000	-		-	-		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-		237,618	-		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-		302,605	-		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-		104,000	-		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-		301,665	-		550,000	-		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-		169,785	-		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-		15,750	-		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-		3,150	-		4,000	-		5,500	-
39		ATTENDANT BENCH)*(N)	1		5,250	-		5,250	-		8,000	-		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	6	210,000	1,260,000	6	210,000	1,260,000	6	400,000	2,400,000	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42		Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000

Emergency Equipment															
				Original			1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
45	Emergency ward	Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paedts with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				20,463,445			20,463,445			27,876,235			47,336,200
						20.463			20.463			27.876			47.336

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																									
			Original					1st Revised					2nd Revised					3rd Revised							
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost			
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	1	0	449,295	-	1	1	0	550,000	-	1	1	0	550,000	-			
2		Hematology Analyzer	1	1	0	427,350	-	1	1	0	427,350	-	1	1	0	550,000	-	1	1	0	750,000	-			
3		Electrolyte Analyzer	1	0	1	427,350	427,350	1	0	1	427,350	427,350	1	0	1	550,000	550,000	1	0	1	550,000	550,000			
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	0	2,744,858	-	0	0	0	3,200,000	-	0	0	0	1,400,000	-			
5		Clinical Microscope	1	1	0	132,825	-	1	1	0	132,825	-	1	1	0	180,000	-	1	1	0	250,000	-			
6		Water Bath	1	1	0	60,000	-	1	1	0	60,000	-	1	1	0	157,500	-	1	1	0	325,000	-			
7		Hot air Oven	1	1	0	210,000	-	1	1	0	210,000	-	1	1	0	385,000	-	1	1	0	450,000	-			
8		Distilled water plant	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	75,000	75,000	1	0	1	125,000	125,000			
9		Auto pipettes	10	4	6	31,500	189,000	10	4	6	31,500	189,000	10	4	6	40,500	243,000	10	4	6	45,000	270,000			
10		glass wares	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-			
11	X-Rays	Centrifuge Machine	2	0	2	149,336	298,673	2	0	2	149,336	298,673	2	0	2	250,000	500,000	2	0	2	400,000	800,000			
12		Static X-ray Machine	1	0	1	4,200,000	4,200,000	1	0	1	4,200,000	4,200,000	1	0	1	6,000,000	6,000,000	1	0	1	12,000,000	12,000,000			
13		Mobile X-Ray Machine	0	1	0	3,850,524	-	0	1	0	3,850,524	-	0	1	0	4,300,000	-	0	1	0	9,800,000	-			
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	0	4,018,245	-	0	0	0	4,500,000	-	0	0	0	4,500,000	-			
15		Dental X-Ray	0	1	0	282,975	-	0	1	0	282,975	-	0	1	0	350,000	-	0	1	0	525,000	-			
16		Lead apron and PPE	2	1	1	52,500	52,500	2	1	1	52,500	52,500	2	1	1	60,000	60,000	2	1	1	85,000	85,000			
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	250,000	-			
18		Lead glass /shield	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	150,000	-			
19		Lead Walls	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-			
20	Ultrasound	Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	0	1,371,331	-	0	0	0	1,500,000	-	0	0	0	2,400,000	-			
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	1	0	1	3,698,310	3,698,310	1	0	1	4,500,000	4,500,000	1	0	1	5,500,000	5,500,000			
22	CCU	ICU MONITOR	2	0	2	301,665	603,330	2	0	2	301,665	603,330	2	0	2	900,000	1,800,000	2	0	2	1,250,000	2,500,000			
23		Temporary pace maker	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	550,000	-			
24		Defibrillator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000			
25		ECG Machine Three Channel	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	300,000	600,000			
26		ETT Machine	0	0	0	2,021,838	-	0	0	0	2,021,838	-	0	0	0	2,200,000	-	0	0	0	3,000,000	-			
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	0	4,681,790	-	0	0	0	4,800,000	-	0	0	0	6,000,000	-			
28		Suction Pump	2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000			
29		Blood Cabinet	1	2	0	690,539	-	1	2	0	690,539	-	1	2	0	700,000	-	1	2	0	1,500,000	-			
30	Blood Bank	Centrifuge Machine	2	1	1	149,336	149,336	2	1	1	149,336	149,336	2	1	1	250,000	250,000	2	1	1	400,000	400,000			
31		Slide viewer	1	0	1	42,000	42,000	1	0	1	42,000	42,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000			
32	Dialysis Unit (10 beds)	Clinical Microscope	1	1	0	132,825	-	1	1	0	132,825	-	1	1	0	180,000	-	1	1	0	250,000	-			
33		Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	5	0	5	1,050,000	5,250,000	5	0	5	1,600,000	8,000,000	5	0	5	3,200,000	16,000,000			
34	Nursery	Baby Cot	10	2	8	14,669	117,348	10	2	8	14,669	117,348	10	2	8	16,000	128,000	10	2	8	16,000	128,000			
35		Phototherapy Unit	2	0	2	130,200	260,400	2	0	2	130,200	260,400	2	0	2	655,000	1,310,000	2	0	2	850,000	1,700,000			
36		Infant Warmer	2	0	2	335,638	671,276	2	0	2	335,638	671,276	2	0	2	985,000	1,970,000	2	0	2	1,050,000	2,100,000			
37		Pulse Oximeter	6	0	6	104,500	627,000	6	0	6	104,500	627,000	6	0	6	160,000	960,000	6	0	6	225,000	1,350,000			
38		Infant Incubator	2	1	1	858,932	858,932	2	1	1	858,932	858,932	2	1	1	900,000	900,000	2	1	1	1,750,000	1,750,000			
39		Suction Pump	1		1	259,350	259,350	1		1	259,350	259,350	1		1	275,000	275,000	1		1	300,000	300,000			
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	2	0	2	125,265	250,530	2	0	2	215,000	430,000	2	0	2	300,000	600,000			
41		Anesthesia Machine with Ventilator	1	0	1	2,509,554	2,509,554	1	0	1	2,509,554	2,509,554	1	0	1	3,000,000	3,000,000	1	0	1	7,000,000	7,000,000			
42	O.T (04)	BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	2	0	2	441,000	882,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000			
43		Defibrillator	2	1	1	308,713	308,713	2	1	1	308,713	308,713	2	1	1	650,000	650,000	2	1	1	800,000	800,000			
44		Electrosurgical Unit	1	2	0	507,530	-	1	2	0	507,530	-	1	2	0	700,000	-	1	2	0	900,000	-			
45		Operation Table	1	2	0	1,426,215	-	1	2	0	1,426,215	-	1	2	0	2,000,000	-	1	2	0	2,500,000	-			
46		Ceiling Operating Light	1	1	0	413,013	-	1	1	0	413,013	-	1	1	0	800,000	-	1	1	0	950,000	-			
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	1	0	3,465,000	-	1	1	0	4,000,000	-	1	1	0	7,800,000	-			
48		Suction Pump	2		2	259,350	518,700	2		2	259,350	518,700	2		2	275,000	550,000	2		2	300,000	600,000			
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000			
50		mayo table	4	0	4	21,000	84,000	4	0	4	21,000	84,000	4	0	4	23,000	92,000	4	0	4	23,000	92,000			
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	1	0	1	304,220	304,220	1	0	1	400,000	400,000	1	0	1	900,000	900,000			
52	Orthopedic	Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	5,000,000	-			
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	0	1,108,740	-	0	0	0	1,500,000	-	0	0	0	4,000,000	-			
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	1	0	1	276,250	276,250	1	0	1	450,000	450,000	1	0	1	1,500,000	1,500,000			
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	300,000	-			
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	0	432,623	-	0	0	0	550,000	-	0	0	0	550,000	-			
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	1	0	1,418,958	-	1	1	0	1,500,000	-	1	1	0	2,400,000	-			
58	Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000				

Medical Equipment																						
Sr. No.	Area	Name of Equipment	Original					1st Revised					2nd Revised					3rd Revised				
			Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
59	Gynea (20 beds)	Delivery Set	10	3	7	31,500	220,500	10	3	7	31,500	220,500	10	3	7	40,000	280,000	10	3	7	65,000	455,000
60		Delivery Table	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	55,000	55,000
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	2	0	2	294,000	588,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
62		D & C Set	2	0	2	34,650	69,300	2	0	2	34,650	69,300	2	0	2	40,000	80,000	2	0	2	60,000	120,000
63		Vaccume Extractor	1	1	0	259,350	-	1	1	0	259,350	-	1	1	0	300,000	-	1	1	0	350,000	-
64		CTG Machine	1	1	0	628,049	-	1	1	0	628,049	-	1	1	0	725,000	-	1	1	0	900,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	1	0	1	169,785	169,785	1	0	1	180,000	180,000	1	0	1	300,000	300,000
66		Portable O.T Light	2	0	2	304,220	608,440	2	0	2	304,220	608,440	2	0	2	400,000	800,000	2	0	2	900,000	1,800,000
67		Baby Cot	2	2	0	14,669	-	2	2	0	14,669	-	2	2	0	16,000	-	2	2	0	16,000	-
68		Delivery trolley	2	0	2	47,250	94,500	2	0	2	47,250	94,500	2	0	2	47,250	94,500	2	0	2	47,250	94,500
69	Surgical Emergency (10 beds)	Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	1	0	144,375	-	1	1	0	175,000	-	1	1	0	200,000	-
70		Steam Sterilizer	0	0	0	3,355,849	-	0	0	0	3,355,849	-	0	0	0	4,000,000	-	0	0	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	1	0	285,466	-	0	1	0	285,466	-	0	1	0	400,000	-	0	1	0	900,000	-
73		Suction Pump	0	1	0	259,350	-	0	1	0	259,350	-	0	1	0	275,000	-	0	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	0	1	0	9,744	-	0	1	0	12,000	-	0	1	0	20,000	-
75		Set of Surgical Instruments	0	0	0	141,750	-	0	0	0	141,750	-	0	0	0	160,000	-	0	0	0	220,000	-
76		Stretcher	10	4	6	68,250	409,500	10	4	6	68,250	409,500	10	4	6	69,300	415,800	10	4	6	69,300	415,800
77		wheel chair	10	3	7	31,500	220,500	10	3	7	31,500	220,500	10	3	7	35,000	245,000	10	3	7	35,000	245,000
78		foot support	6	0	6	4,200	25,200	6	0	6	4,200	25,200	6	0	6	4,500	27,000	6	0	6	5,148	30,888
79	Others	Resuscitation trolley With Crash Cart	5	0	5	237,618	1,188,091	5	0	5	237,618	1,188,091	5	0	5	400,000	2,000,000	5	0	5	600,000	3,000,000
80		BP Apparatus	15	1	14	15,750	220,500	15	1	14	15,750	220,500	15	1	14	16,000	224,000	15	1	14	16,000	224,000
81		Ventilator	0	0	0	2,195,080	-	0	0	0	2,195,080	-	0	0	0	3,500,000	-	0	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	1	0	1	1,098,510	1,098,510	1	0	1	2,100,000	2,100,000	1	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	1	0	1	858,440	858,440	1	0	1	925,000	925,000	1	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	2	0	2	94,500	189,000	2	0	2	100,000	200,000	2	0	2	140,000	280,000
85		Image Intensifier	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	7	0	7	850,000	5,950,000	7	0	7	-	-	7	0	7	-	-
87		Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	4	0	4	210,000	840,000	4	0	4	400,000	1,600,000	4	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	4	0	4	15,750	63,000	4	0	4	30,000	120,000	4	0	4	35,000	140,000
89	ICU	Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
90		Defibrillator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	0	330,750	-	0	0	0	650,000	-	0	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	0	169,785	-	0	0	0	180,000	-	0	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	1	0	1	108,780	108,780	1	0	1	125,000	125,000	1	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	0	259,350	-	0	0	0	275,000	-	0	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	0	298,200	-	0	0	0	900,000	-	0	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	2	0	2	1,600,000	3,200,000	2	0	2	3,500,000	7,000,000	2	0	2	5,500,000	11,000,000
99	MORTUERY	CPAP with humidifier	0	0	0	1,098,510	-	0	0	0	1,098,510	-	0	0	0	2,100,000	-	0	0	0	2,800,000	-
100		DELIVERY TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	1	0	1	23,835	23,835	1	0	1	47,250	47,250	1	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
102		Ambu-Bag, paed	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
103		TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	1	0	1	2,470,546	2,470,546	1	0	1	3,000,000	3,000,000	1	0	1	3,500,000	3,500,000
104		Dental Unit	2	0	2	2,190,000	4,380,000	2	0	2	2,190,000	4,380,000	2	0	2	2,820,000	5,640,000	2	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	1	0	1	282,975	282,975	1	0	1	350,000	350,000	1	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	0	94,500	-	0	0	0	150,000	-	0	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	0	84,000	-	0	0	0	160,000	-	0	0	0	900,000	-
109	Dental Unit	Ultrasonic scaling	1	0	1	120,750	120,750	1	0	1	120,750	120,750	1	0	1	175,000	175,000	1	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	95,000	95,000	1	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	1	0	1	199,601	199,601	1	0	1	265,000	265,000	1	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	0	42,000	-	0	0	0	70,000	-	0	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	4	0	4	157,500	630,000	4	0	4	175,000	700,000	4	0	4	175,000	700,000
131	Beds	Fowler beds with Mattress	40	0	40	70,000	2,800,000	40	0	40	70,000	2,800,000	40	0	40	110,000	4,400,000	40	0	40	150,000	6,000,000
		Total					53,531,882					53,531,882					71,580,370					111,134,438
							53,532					53,532					71,580					111,134

Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	0	450,000	-	0	450,000	-
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	2	4,500,000	9,000,000
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	10	55,500	555,000	10	55,500	555,000	10	55,500	555,000	10	55,500	555,000
7	2 Ton air conditioners (Cabinet)	18	78,000	1,404,000	18	78,000	1,404,000	18	78,000	1,404,000	18	78,000	1,404,000
8	4 Ton air conditioners (Cabinet)	4	120,000	480,000	4	120,000	480,000	4	120,000	480,000	4	120,000	480,000
9	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	7,000,000	7,000,000
Total				11,208,940			11,208,940			10,758,940			21,758,940
				11.209			11.209			10.759			21.759

IT & QMS & Surveillance

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

Furniture and Fixtures

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	7169	951100	13,503,500	7169	951100	13,503,500	7169	951100	13,503,500	7169	1288300	18,787,500
				13.504			13.504			13.504			18.788

Signage and plaques

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)	6	9,812	58,872	6	9,812	58,872	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	8,976	53,856	6	8,976	53,856	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	109,087	109,087	1	109,087	109,087	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,016	140,160	10	14,016	140,160	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	21,813	21,813	1	21,813	21,813	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,244	29,244	1	29,244	29,244	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,114	36,114	1	36,114	36,114	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	43,858	43,858	1	43,858	43,858	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,207	51,207	1	51,207	51,207	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,703	23,109	3	7,703	23,109	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	45,776	274,656	6	45,776	274,656	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	39,939	79,878	2	39,939	79,878	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0	-	-	0	-	-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	88,119	440,595	5	88,119	440,595	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,092	335,460	5	67,092	335,460	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	49,689	198,756	4	49,689	198,756	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	50,265	201,060	4	50,265	201,060	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,709	88,963	7	12,709	88,963	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,653	73,060	20	3,653	73,060	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	840	84,000	100	840	84,000	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,380	138,000	100	1,380	138,000	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,501	175,050	50	3,501	175,050	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,782	17,820	10	1,782	17,820	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,233	12,330	10	1,233	12,330	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,361	47,220	20	2,361	47,220	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,449	102,245	5	20,449	102,245	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,107	52,675	25	2,107	52,675	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	634	3,170	5	634	3,170	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,109	11,090	10	1,109	11,090	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	861	12,915	15	861	12,915	15	1,225	18,375	15	1,225	18,375
		Total			2,916,263			2,916,263			4,146,482			4,146,482
		Designing and Site Supervision			87,488			87,488			124,394			124,394
		Grand Total			3,003,751			3,003,751			4,270,877			4,270,877
					3.004			3.004			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			1,600,000			1,600,000			1,600,000			1,600,000
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
Sub Total of HR Model				4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17,220				17,220				28,140					40,473
Utilization of HR Component									6,080				9,334					
Total of HR Component													34.22					49,807

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	21,811		sft	
Covered area assigned to one sweeper	7,500		sft	
Number of sweepers required for covered area	3	Persons		
Road and ROW area	70,874		sft	
Road and ROW assigned to one sweeper	15,000		sft	
Number of sweepers required for road and ROW area	5	Persons		
Number of washroom blocks	9		blocks	
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	3	Persons		
Total sweeper in morning shift	11	Persons		
Total number of sweepers in evening shift	4	Persons		
Total number of sweepers in night shift	5	Persons		
Total number of sweepers in all shifts	21	Persons		
Number of sewer men required	3	Persons		
Number of supervisors	3	Persons		
Salary component				
Type of worker	No of workers	Salary per month	Salary for One Year	
Sweepers / Janitors	21	22,000	5,639,621	
Sewer men	3	22,000	792,000	
Supervisors	3	26,000	936,000	
Cost of Supply per Month		400,000	4,800,000	
Sub Total (Salary component)			12,167,621	

12.168

Security and Parking				
		Original		From 1st Revised to onward
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residences	21,811			
Covered Area per guard	15,000			
Number of guards	1			
Open area excluding parking area	70,874			
Area covered per guard per shift for open area excluding parking	15,000			
Number of guards for total area excluding parking area	5			
Number of gates	2			
Number of guards at gates	4			
Total No of Guard	10			
Total number of all guards for second shift	5			
Lady Searcher	4			
Number of parking areas	1			
Number of guards for parking lot per shift (Morning+ Evening)	2			
Total no. of Supervisors	2			
Type of worker	No of workers	Salary per month	Salary per Month for all Person	Salary for One year
Supervisors	2	24,675	49,350	592,200
Ex-Army	6	21,525	129,150	1,549,800
Civilian	9	21,000	189,000	2,268,000
Lady Searcher	4	21,525	86,100	1,033,200
Parking	2	21,525	43,050	516,600
Sub total				5,959,800
Equipment cost				
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000
Sub total				400,000
Subtracting Parking Fees				500,000
Total Security and Parking Services				5,859,800
				5.860

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

Maintenance of Generator

				Original		From 1st Revised to onward
Item Name	Quantity	Cost per year	Total Cost	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY". In view of above, Outsourcing cost has been excluded from this PC-I.</p>		
Periodical Maintenance Cost						
Number of Generators (200 KVA)	-	500,000	-			
Number of Generators (100 KVA)	-	300,000	-			
Number of Generators (50 KVA)	2	175,000	350,000			
Repairs Cost	1	350,000	350,000			
HR Cost						
Supervisor	1	40,000	240,000			
Generator Operator	3	30,000	1,080,000			
Technical Staff/Mechanic	-	30,000	-			
Total			2,020,000			
				2.020		

MEP

		Original			From 1st Revised to onward				
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>				
Supervisors	1	56,420	56,420	677,040					
Plumber	1	32,550	32,550	390,600					
AC/ Technician	1	34,720	34,720	416,640					
Electrician	2	31,465	62,930	755,160					
Car painter	1	30,380	30,380	364,560					
Total (Salary component)			217,000	2,604,000					
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year					
A/C	66	6,665	439,890	439,890					
Fridge	3	4,000	12,000	12,000					
UPS	12	8,000	96,000	96,000					
Water Cooler	15	4,000	60,000	60,000					
Exhaust	7	3,000	21,000	21,000					
Geyser	15	4,000	60,000	60,000					
Water Pump	3	3,000	9,000	9,000					
Carpentry Work		-	180,000	180,000					
Electrical Work		-	120,000	120,000					
Plumbing Work		-	75,000	75,000					
Sub Total				1,072,890					
General Total				3,676,890					
				3.677					

Medical Gases

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

Cafeteria						
Pre-Fabrication Cateen (Procurement)						
		Original				From 1st Revised to onward
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "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	

Cafeteria						
Pre-Fabrication Cateen (Procurement)						
		Original				From 1st Revised to onward
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-
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	9,184	20	183,680
1.2	STONE / PEBBLES				
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375	34,375
1.3	GRASSING				
a	GRASSING (EXISTING NON MAINTANE LAWNS)				
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	25,361	7	177,527
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	9,361	11.25	105,311
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	242	1,500	363,000
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestall, Pilken, Palms etc.	No's	60	270	16,200
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	400	600	240,000

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.

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

		Original				From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagress, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	31,500	69	2,173,500	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	4,875	195	950,625	
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	25,000	12	300,000	
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	12	3,675	44,100	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	40	1,800	72,000	
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	100	195	19,500	
2	HARD LANDSCAPE					
2.1	WALK WAYS					
a	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mm as per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	2000	150	300,000	
2.2	BENCHES					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	10	12,562	125,620	
2.3	DUSTBINS					

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

		Original			From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	8	23,675	189,400
2.4	PLAYING EQUIPMENTS				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	465,760	465,760
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	7	3,850	26,950
2.6	WATER POINTS (Injector Pump 1HP)	No's	3	45,000	135,000
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	40,456	7.50	303,420
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	100	550	55,000
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	1,170	550	643,500
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	240	550	132,000
5	GAZEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
	Total Amount of - Landscaping				7,256,468
	PRA(16%)				1,161,035
	Design Consultancy				100,000
	TPV (3%)				217,694
	Grand Total				8,735,197
					8.735

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:

GOVERNMENT OF THE PUNJAB



NAME OF WORK

**AMENDED ROUGH COST ESTIMATE FRAMED BY THE
EXECUTIVE ENGINEER BUILDINGS DIVISION ATTOCK
"REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT
TEHSIL HEADQUARTER HOSPITAL FATEHJANG DISTRICT
(APP No. 658) ATTOCK FOR THE YEAR 2022-23".**

ESTIMATED COST:

Rs. 99.997 M

62.540

**EXECUTIVE ENGINEER
BUILDING DIVISION, ATTOCK**

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

HISTORY.

The Government of the Punjab is making full efforts to provide the maximum facilities to the people in health sector at each Tehsil level. In this regard, Primary and Secondary Healthcare Department (P&SHD) has started revamping program of District and Tehsil Headquarter Hospitals across the Punjab and has entrusted Communication and Works Department Punjab, for revamping program Phase-II. Director Infrastructure, PMU, Primary and Secondary Healthcare Department Lahore vide letter No. PMU/(P&SHD)2020/730, Dated 25-11-2020 desired for preparation of rough cost estimate for Revamping of Tehsil Headquarters Hospitals. Accordingly, RCE amounting to Rs. 44.181 M for the subject scheme was submitted to PMU, P&SHD and same was approved vide Secretary to Government of Punjab Primary and Secondary Healthcare Department Lahore No. PO(D-II)1-237/2021 dated 09/11.2021. Accordingly, Detailed estimate was prepared and tenders were invited but no tenders were received. Thus this Amended Rough cost estimate for "Revamping of All THQ Hospitals In Punjab One At Tehsil Headquarter Hospital Fatehjang District Attock for the year 2022-23" amounting to **Rs. 99.997 Million** has been prepared and re-submitted for arranging Administrative Approval and released of funds with competent Authority.

SCOPE OF WORK.

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

CARRYING OUT OF WORK.

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

SPECIFICATION.

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

RATES.

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


TIME.

18 Months are required subject to availability of funds.

COST.

The total cost of the scheme comes to ^{62.510}Rs. ~~99.997~~ M.


Sub-Divisional Officer
Buildings Sub Division
FatehJang


Executive Engineer
Buildings Division
Attock

ORDER

No. PO(D-II) 1-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 17.08.2021, the Governor of the Punjab is pleased to accord 2nd revised Administrative Approval of 60 sub-schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" at cost mentioned against each sub-scheme, with revised gestation period upto 30.06.2023.

Rs. in Millions

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

Page 1 of 4

49

Sr. No.	Sub-Scheme Title	2 nd Revised Cost		
		Capital Component	Revenue Component	Total
17	Revamping of THQ Hospital, Pindi Bhattian District Hafizabad	71.599	164.789	236.388
18	Revamping of THQ Hospital, Sharakpur Sharif District Sheikhupura	49.736	201.746	251.482
✓ 19	Revamping of THQ Hospital, Hassan Abdal District Attock	94.954	172.721	267.675
20	Revamping of THQ Hospital, Khairpur Tamewali District Bahawalpur	35.773	186.083	221.856
21	Revamping of THQ Hospital, Noshehra Virkan District Gujranwala	14.984	190.699	205.683
22	Revamping of THQ Hospital, Safdarabad District Sheikhupura	49.949	193.357	243.306
23	Revamping of THQ Hospital, Sambrial District Sialkot	80.617	193.382	273.999
24	Revamping of THQ Hospital, Shakargarh District Narowal	95.535	225.674	321.209
25	Revamping of THQ Hospital, Talagang District Chakwal	36.911	193.007	229.918
26	Revamping of THQ Hospital, Depalpur District Okara	66.879	195.386	262.265
27	Revamping of THQ Hospital, Hasilpur District Bahawalpur	36.223	205.331	241.554
28	Revamping of THQ Hospital, Kharian District Gujrat	14.419	202.032	216.451
29	Revamping of THQ Hospital, Khushab District Khushab	87.683	196.338	284.021
30	Revamping of THQ Hospital, Muridke District Sheikhupura	60.392	208.829	269.221
31	Revamping of THQ Hospital, Pasrur District Sialkot	10.882	208.416	219.298
✓ 32	Revamping of THQ Hospital, Pindi Gheb District Attock	163.123	236.342	399.465
33	Revamping of THQ Hospital, Shahkot District Nankana	49.809	197.012	246.821
34	Revamping of THQ Hospital, Shahpur District Sargodha	48.998	190.360	239.358
35	Revamping of THQ Hospital, Yazman District Bahawalpur	44.523	160.991	205.514
36	Revamping of THQ Hospital, Chowk Azam District Layyah	47.156	210.394	257.550
37	Revamping of THQ Hospital, Lalian District Chiniot	19.914	190.140	210.054
38	Revamping of THQ Hospital, Murree District Rawalpindi	14.996	180.758	195.754
39	Revamping of THQ Hospital, Rojhan District Rajanpur	14.048	200.543	214.591

Page 2 of 4

Scanned with CamScanner

Capital Component

Grant No. 12042 (042) Government Building 04-Economic
Affairs-045 Construction and Transport -0457 Construction
(Work) 0457-02 Building and structure.

Revenue Component

Grant No. PC-22036 (036) Development -07Health -073 -
Hospital Services-0731-General Hospital Services -
073101 General Hospital Services.

(MRAN SIKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

A copy is forwarded for information and necessary action to the:-

1. Accountant General, Punjab, Lahore.
2. Chief (Health-II), Planning & Development Department, Lahore.
3. Director General Health Services, Punjab, 24-Cooper Road, Lahore.
4. Chief Engineer (North, Central & South Zones), Buildings Department.
5. Project Director, Project Management Unit, P&SH Department.
6. Section Officer (Health-I), Finance Department.
7. Budget Officer-I & III, Finance Department.
8. All Planning Officer, P&SHC Department.
9. PS to Secretary, P&SH Department.
10. PA to Special Secretary, P&SH Department.
11. PA to Additional Secretary (D&F), P&SH Department.
12. PA to Additional Secretary (Admin), P&SH Department.
13. PA to Deputy Secretary (D), P&SH Department.

(M. ASIF RASHEED)
PLANNING OFFICER (D-II)

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

ABSTRACT OF COST

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates						E.I	S.I	S.G	Total Rate	Amount	Remarks
				Building Portion											
				Building Portion	Extra for Strip Foundation	Extra for Basement	Reduced Cost of Foundation	Extra For 1st Floor and Subsequent Floors	Extra For Framed Structure For Each Floor						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	CLINICAL BUILDING (Internal Development, Tile work, ramp & stair paint & dampness work lead lining, facade improvement, internal fixtures, internal electrification, fire extinguishers and fire alarms & miscellaneous repair work of building)														This Rough Cost Estimate has been framed on the basis of MRS. Notified Vide Finance Department Gov.t of Punjab for 2nd BI Annual Period 1st July 2021 to 31st December 2021
1	Revamping of Main Building.	1	P.Job										2,38,646.00	2,38,646.00	Detailed attached.
2	Provision of Water Filtration Plant with Supply System	1	P.Job										3,20,100.00	3,20,100.00	Detailed attached.
3	Raising of Boundary Wall with Razor Wire 2 1/2" to 2 3/4" Dia Or Boundary Wall 1/2" Cost Of Angle Iron 1-1/2" X 1/2" X 3/16" @ 8' C/C Y-Shaped Size 1-1/2" Side Post 2 No And 1 No Vertical Post 1' High Embedded in Pcc 1:2:4. 9" X 9" On Wall Including Cost Of 2 Nos C.I Vane & Swg For Binding Complete In All Respect As Approved By The Engineer In Charge	2	P.Job										15,33,000.00	15,33,000.00	Detailed attached.
4	Provision of Iron Spike on Boundary Wall 1155 x 2 = 2310 Sft	2310	P.Sft										650/-	1,50,150.00	Analysis attached.

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates										Amount	Remarks
				Building Portion						E.I	S.I	S.G	Total Rate		
				Building Portion	Extra for Strip Foundation	Extra for Base-ment:	Reduced Cost of Founda-tion	Extra For 1st Floor and Subseque nt Floors	Extra For Framed Structure For Each Floors						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	Uplifting of Front Elevation	1	P.Job	--	--	--	--	--	--	--	--	--	3744000	3744000	Detailed attached.
6	Provision of Approach Road	1	P.Job	--	--	--	--	--	--	--	--	--	790000	790000	Detailed attached.
7	Provision of External Waiting Area & Parking facility	1	P.Job	--	--	--	--	--	--	--	--	--	2856500 4653900	2856500 4653900	Detailed attached.
8	Provision of Sewerage Sysytem	1	P.Job	--	--	--	--	--	--	--	--	--	888000	888000	Detailed attached.
9	Provision of Street Lights	1	P.Job	--	--	--	--	--	--	--	--	--	2308000	2308000	Detailed attached.
10	Provision of Sheds for Generators (133000 + 99000)=232000	1	P.Job	--	--	--	--	--	--	--	--	--	232000	232000	Detailed attached.
11	Provision of Waste Dumping Facility	1	P.Job	--	--	--	--	--	--	--	--	--	95400	95400	Detailed attached.
12	Provision for Repair of OHR	1	P.Job	--	--	--	--	--	--	--	--	--	194600	194600	Detailed attached.
4.12.08600													Total	46558750	45572750
Add 1.00% for tree plantation charges													465588	455728	4.12.08601
Add 5% PRA charges													2277938	2278638	2060.4301
Add Cost for WAPDA Transformer payable to H.SCO (increase the load capacity of transformer)													500000	500000	
Grand Total:-													48792225	48807116	
Rs.in Million													48.792	48.807	

TECHNICAL VERIFIED

En- No. 44-181

Buildings Division

Rawalpindi

Sub Divisional Officer,
Buildings Sub Division
FatehJang

TECHNICAL VERIFIED

For Rs. (Amount)

Supervising Engineer

Buildings Division

Rawalpindi

Executive Engineer,
Buildings Division
Attock

4.41.81.1161

44-181 m

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY THQ Fateh Jang 22-07-22

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards (male+female)	Laboratory	X-ray Room	Remarks
1	Porcelain Floor Tile replacement	<p>Existing tiles of the hospital are in good condition & only few tiles at some places need to be changed.</p> <p>Full Body Porcelain tiles needs to be fixed on floor of ground floor by dismantling existing terrazo and providing new PCC layer of specified thickness.</p>	----	<p>Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.</p>	<p>Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.</p>	----	<p>Tiles specifications, brand, size and Installation specification will be as per specified C&W standards.</p>
2	Porcelain Wall Tile replacement	<p>Existing tiles of the hospital are in good condition & only few tiles at some places need to be changed.</p> <p>Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. Or height as per C&W Standards (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface terrazo surface.</p>	----	<p>Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.</p>	<p>Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.</p>		<p>Tiles specifications, brand, size and Installation will be as per specified C&W standards.</p>

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards (male+female)	Laboratory	X-ray Room	Remarks
3	Wooden Doors flush or Solid/ Main Doors	Doors need to be replaced with wooden doors of similar existing design.	Main entrance door of OT should be provided of Aluminium	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.	Doors need to be replaced with wooden doors of similar existing design.	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.
4	Verandah opening (opening to open area)/ MS Windows on Façade	All Existing MS Corridor windows need to be provided with additional MS angle iron and double wire mesh.	----				Specifications will be as per C&W standards.
5	Existing Internal Windows	All Existing internal MS windows need to be replaced with Aluminum Windows.	All Existing internal MS windows need to be replaced with Aluminum Windows.	All Existing internal MS windows need to be replaced with Aluminum Windows.	All old MS internal windows need to be replaced with Aluminum Windows.	All old MS internal windows need to be replaced with Aluminum Windows.	Specifications, Aluminum and glass color will be as per specified C&W Standards
6	Internal Corridors.	Wall Panelling to be removed from walls and seepage issues to be addressed rectified along with roof structure treatment.	----		----		
7	Internal Electrification including fittings	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical. Internal wiring should be replaced with new wiring if existing wiring is damaged.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	Model Specifications/ Brands, should be as per specified C&W Standards.

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards (male+female)	Laboratory	X-ray Room	Remarks
8	Internal Lighting Fixtures.	All corridors and rooms should lit with SMD's with concealed wiring.	SMDs need to be installed.	SMDs need to be installed.	Remove ceiling & install SMD lights.	SMDs need to be installed.	Model Specifications/ Brands and distance should be as per specified C&W Standards.
9	Revamping of Public Toilets.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with complete repair of existing water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards (male+female)	Laboratory	X-ray Room	Remarks
10	Wall Paint	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications, paint specifications, brand and color will be as per C&W standards.
11	Roof Treatment	----	----	----	----	----	
12	Nursing Counter (Ward)	----	----	Nursing counter will be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile.	----		
13	Stairs - Marble and Railing	----	----	----	----	----	Marble/Granite type and installation technique will be as per C&W Standards.
14	Ramps - Tile and Railing	Chequered tile & SS hand railing will be fixed on ramps.	----	----	----	----	

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards (male+female)	Laboratory	X-ray Room	Remarks
15	Façade Uplifting	Façade treatment should be executed on front elevation. (OPD Main Entrance Wall)	----	----	----	----	
16	Lead lining Walls (X-Ray)	----	----	----	----	Lead lining of x-ray room needs to be done.	
17	Antimicrobial Treatment (OTs)	----	Anti-microbial treatment is required in operation theatre. (Dampa Ceiling, Anti-microbial wall panelling, anti-static flooring).	----	----	----	
18	External Weather Shield	Weather shield to be done on all external walls other than façade	----	Weather shield to be done on all external walls other than façade	Weather shield to be done on all external walls other than façade	Weather shield to be done on all external walls other than façade	
19	Edge Protection/Aluminium Cladding	SS Edge Protection needs to be fixed on all corners up to Dado height	----	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	----	
20	Columns SS Cladding						
21	Plumbing Works	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	
22	Fire Alarm System	Required	Required	Required	Required	Required	
23	Roof Treatment	----	----	----	----	----	

Sr No	Item	OPD Block	Operation Theatre	Indoor Wards (male+female)	Laboratory	X-ray Room	Remarks
24	Expansion joint of Building	All expansion joints of building should be properly filled, sealed & covered SS strip. Joint must not be covered with Tile/Flooring	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	----	
25	Any Other item		----	----	Marble will be provided on counter top. Wooden shelves should be made under counter.	----	
26	External Electrification	All external main cables of hospital which are hanging in Air should be concealed in all respects along with provision of proper Earthing system and lightning arresters. Similarly, existing DB's need to be replace as per site condition if required.					

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

S. No	Description	As Per Administrative Approval				As Per Amended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
A	REVAMPING OF MAIN BUILDING											
1	Dismantling glazed or encaustic tiles, etc	1125	1768.8	%Cft	19899	614	2335.85	%cft	14342	0	5557	
2	Dismantling cement concrete 1:2:4 plain.					562	11174.6	%cft	62801	62801	0	
3	Dismantling brickwork with cement mortar	38	3253.8	%Cft	1236					0	1236	
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4					1156	36753.3	%sft	424868	424868	0	
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm	165	276	P Sft	45540	4496	340.35	Psft	1530214	1484674	0	
5	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm	238	293	P Sft	69734	1693	340.35	P.Sft	576213	506479	0	
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"	960	199	P. Sft	191040	1121	239.8	P.Sft	268816	77776	0	
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"	3409	215	P. Sft	732935	7206	292.55	P.Sft	2108115	1375180	0	
8	P/L Prepolished Porcelain Tile "Master" With Dry / Wet / Venied Application, Dvv Series (Light Color) Class Sb, 16"X16" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Skirting)	4505	234	P. Sft	1054170					0	1054170	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
9	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shi lap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.	17773	360	P. Sft	6398280	360	431	Psft	155160	0	6243120	
10	Supply and erection of fancy LED Panel light 2'x2' i/c LED Light & Driver 36 (W) (Philips / Alpha LED Ultra Slim) or Equivalent i/c fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge	200	10920	Each	2184000					0	2184000	
	P/F of UPVC wall paneling UPVC section like plank, beading gola, angle gola 200 mm wide 9mm thick designed grooved planks fixed with inter locking system nails scw on existing wall produced in plumbs using wooden strips (Anti termite) i/c carriage of material from market to site work complete in all respect as approved/ directed by the Engineer Incharge	2394	125	P Sft	299250					0	299250	
11	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (Urethane)	1836	611	P. Sft	1121796	360	516	Psft	185760	0	936036	
10	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge					912	1788	P. Sft	1630656	1630656	0	
11	Removing door with chowkat.	63	331.65	Each	20894	36	438	Each	15768	0	5126	
	Providing and fixing 1.5" thick MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) complete in all respect as approved and directed by Engineer Incharge	476	298	P Sft	141848					0	141848	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge Oak/Ash wood Door 1-1/2" thick (40 mm)	476	2150	P Sft	1023400					0	1023400	
	Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer , sand papering with different no of sandpapers and Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge.Matt Finish	952	80	P Sft	76160					0	76160	
12	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.					494	502.2	P. Sft	248087	248087	0	
13	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	2262	586.45	P Sft	1326550	238	1437.6	P. Sft	342149	0	984401	
14	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(Non-Skid Chequred Tiles) 300mmx300mm					280	211.4	P. Sft	59192	59192	0	
15	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge					115	2361.45	P. Sft	271567	271567	0	



S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
16	P/F of Hydraulic Door Closer Best Quality Including cost of nails and screws etc. complete in all respects as approved and directed by Engineer In Charge	10	4000	Each	40000					0	40000	
17	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.					6	5572	Each	33432	33432	0	
18	Removing windows and sky lights with chowkat.	10	258.7	Each	2587	16	341.5	Each	5464	2877	0	
19	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacture having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	280	498.5	Psft	139580	580	1348.4	P. Sft	782072	642492	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.	280	330.05	Each	92414	290	493.05	P. Sft	142985	50571	0	
20	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars	280	463	Psft	129640	4574	854.8	P. Sft	3909855	3780215	0	
21	Removing cement or lime plaster..					5730	423.3	%sft	24255	24255	0	
22	Cement plaster 1:4 upto 20' (6.00 mm) height:-1/2" (13 mm) thick					5730	3232.95	%sft	185248	185248	0	
23	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti 1/2"x 1/8" (13 mmx3 mm) and machine made screws. (diamond hole shape) and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge					3994	599.25	P. Sft	2393405	2393405	0	
24	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.	5229	1762.4	% Sft	92156	1155	2175.5	%sft	25127	0	67029	
25	Painting windows or gauzed doors old surface 2 coat including scraping	4691	1305	% Sft	61218					0	61218	
26	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	40435	574.2	% Sft	232178	36775	761.9	%Sft	280189	48011	0	
27	Preparing surface and painting with emulsion paint 2 coats	40435	2200.75	% Sft	889873	36775	2034.65	%Sft	748243	0	141630	
28	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: two coat	7169	2068	%Sft	148255	18864	3850.9	%Sft	726434	578179	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
29	P/Applying weather shield paint one coat on external wall of building	16259	1034	%Sft	168118					0	168118	
30	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge					637	2500	P. Sft	1592500	1592500	0	
31	Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.	650	648	P Rft	421200	500	640	P Rft	320000	0	101200	
32	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)					525	440.65	PRft	231341	231341	0	
31	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)	20	570.4	Each	11408	70	543.55	Each	38049	26641	0	
32	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)					70	835	Each	58450	58450	0	
33	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge.					80	1308.85	Psft	104708	104708	0	
34	Uplifting of Front Elevation									0	0	
i	Dismantling glazed or encaustic tiles	269	1768.8	%Sft	4758	269	2335.85	%Sft	6283	1525	0	
ii	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	93	13780.8	%Cft	12816	93	11174.6	%Cft	10392	0	2424	
iii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	291	8078.4	%0Cft	2351	291	10677.75	%0Cft	3107	756	0	
iv	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1:6:12	99	12055.5	%Cft	11935	99	21178.45	%Cft	20967	9032	0	
v	Pacca brick work in foundation and plinth in Cement, sand mortar Ratio 1:6	215	23388.75	%Cft	50286	215	30137	%Cft	64795	14509	0	
vi	Filling, watering and ramming earth under floors with surplus earth from foundation, etc.	200	3867.6	%0Cft	774	200	5090.45	%0Cft	1018	244	0	
vii	Supplying and filling sand under floor, or plugging in wells.	99	1879	%Cft	1860	99	2583.3	%Cft	2557	697	0	
viii	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	219	5495.7	%Cft	12036	219	9464.4	%Cft	20727	8691	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
ix	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	52	24433.2	%Cft	12705	52	36753.3	%Cft	19112	6407	0	
x	Providing and fixing of ¾" thick pre-polished Marble Slab Granite of China/India laid in white cement and matching pigment over ¾" thick cement mortar 1:2 i/c making holes in slab, rubbing & chemical polishing and making gola on exposed edges complete in all respect as approved by the Engineer Incharge.	549	1033	P. Sft	567117					0	567117	
x	Providing and laying ¾" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over ¾" 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 Granite					549	1308.85	P. Sft	718559	718559	0	
xi	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 ¾" 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	160	252	P. Sft	40320	160	211.4	P. Sft	33824	0	6496	
xii	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 stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	110	2400	P. Sft	264000	110	2361.45	P. Sft	259760	0	4240	
xiii	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix 1: 1½: 3)	49	291.35	P. Cft	14276	193	594.15	P. Cft	114671	100395	0	
xiv	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: (1:2:4)	590	402.4	P. Cft	237416	446	537.5	P. Cft	239725	2309	0	
xv	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars (Grade-40)	2559	19996.45	%Kg	511709	2412	31418.2	%Kg	757807	246098	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
xvi	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.	13	8635.95	%Sft	1123	468	12153.6	%Sft	56879	55756	0	
xvii	Pacca brick work in ground floor cement, sand mortar Ratio 1:6	660	25038.75	%Cft	165256	660	32320.85	%Cft	213318	48062	0	
xviii	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3	873	2568	%Sft	22419	873	3699.4	%Sft	32296	9877	0	
xix	Cement plaster 1:5 upto 20' (6.00 mm) height ½" (13 mm) thick	620	2160	%Sft	13392	620	3082.5	%Sft	19112	5720	0	
xx	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick	1827	2297.75	%Sft	41980	1827	3232.95	%Sft	59066	17086	0	
xxi	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.	216	498.5	P. Sft	107676	216	1348.4	P. Sft	291254	183578	0	
xxii	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	216	330.05	P. Sft	71291	108	493.05	P. Sft	53249	0	18042	
xxiii	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars					216	854.8	P. Sft	184637	184637	0	
xxiv	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect.	1024	3116	%Sft	31908	1024	5245.3	%Sft	53712	21804	0	
xxv	Distempering: new surface 3 coats	1193	981.2	%Sft	11706	-	-	-	-	#VALUE!	#VALUE!	
xxv	Preparing surface and painting with emulsion paint:- three coats i/c Priming coat of chalk under distemper.	-	-	-	-	1193	3184.1	%Sft	37986	#VALUE!	#VALUE!	
xxvi	Providing and fixing of aluminium composite panel i/c cutting and folding of sheet fixed with aluminum frame i/c cost of hook & scaffolding, carriage charges complete in all respect & as approved by the engineer incharge.	732	570	P. Sft	417240					0	417240	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
xxvi	Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" GI angle Iron at specified intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.					732	570	P. Sft	417240	417240	0	
xxvii	Providing And Laying Of Natural Stone Tile Golden Colour 4"x2" Size With Lazer Cutter Having Rectangle Shape 3/8 To 1/2" Thick Laid In Classical Pattern By Providing 3/8" Wide Groove On Horizontally And Vertically Laid With Cement Sand Mortor 1:3 I/C Filling Joints With Pigment As Directed By The Engineer Incharge.	972	230	P. Sft	223560	972	300	P. Sft	291600	68040	0	
xxviii	Providing And Fixing Of Aluminium Backlit Letters, With White Acrylic, With Ima Led I/C Fixation With M/S Pipe 1" X 1" Swg 20 With Dubond Cladding Box Complete In All Respect & As Approved By The Engineer Incharge.	86	9100	P. Sft	782600	86	9100	P. Sft	782600	0	0	
										0	0	
35	P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as aper instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	747	970	P. Sft	724590	408	1020	P. Sft	416160	0	308430	
36	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.					725	1800	Each	13050	13050	0	
37	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.16SWG 4"x3"					700	335.35	PRft	234745	234745	0	
38	...do...6"x3"					450	402.7	PRft	181215	181215	0	
39	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- 150 mm sq (37/0.093")					300	5686.15	PRft	1705845	1705845	0	
40	...do...120 mm sq (37/0.083)					350	4633.45	PRft	1621708	1621708	0	
41	Making jharries in existing brick masonry for providing recesses for bearing of RCC roof slab, including repairing the damaged face for slabs upto 6" (150 mm) thick.					2100	36.7	PRft	77070	77070	0	
42	Cement plaster 1:5 upto 20' (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.					3327	3505.8	%sft	116638	116638	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
43	P/Fixing flat sheet roof with galvanized iron plain sheets including battens rolls screws clips etc (planks to be paid seperately) 22 BWG	882	21014.45	% Sft	185347					0	185347	
44	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-On interior surface (without mastic strip)					110	147.3	PRft	16203	16203	0	
44	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.					110	281.25	PRft	30938	30938	0	
45	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabnit 22" deep with back Complete in all Respect.	73	4916	P Sft	358868	115	6170	Psft	709550	350682	0	
46	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.Medium Quality4" i/d (100 mm) 4.5mm thick					500	1564.95	PRft	782475	782475	0	
47	S/E of Twin core PVC insulated copper conductor cable in prelaidd PVC pipe 7/0.044"	850	72.55	P. Rft	61668					0	61668	
48	Providing and Fitting glazed earthen ware Water Closet Orissa Pattern, (HD77) PORTA made complete in all respect as approved and directed by the Engineer in charge	10	5790	Each	57900					0	57900	
49	S/E English W.C Porta made imported one piece i/c double seat cover full size i/c thimble complete set color ICI/forte or equivalent complete in all respect as approved by the Engineer Incharge	10	19995	Each	199950					0	199950	
50	Providing and Fitting Low Down Flushing Cistern 13.63 Liters (3 Gallons) capacity plastic (Master Made) including bracket set, copper connection, etc complete in all respect as approved and directed by the Engineer in charge	10	3165	Each	31650					0	31650	
51	Providing and Fitting Glazed earthen ware Wash Hand Basin (HD 80) PORTA made 56 x 40 cm (22" x 16"), including bracket set, waste pipe and waste coupling, etc. colour with pedestal as approved and directed by the Engineer in charge.	9	10153	Each	91377					0	91377	
52	Providing and Fixing Chromium Plated Tee Stop Cock 1/2" dia (Master Made) complete in all respect as approved and directed by the engineer in charge.	29	1400	Each	40600					0	40600	
53	Providing and Fixing Chromium Plated Crystal Head Swan Neck Cock 1/2" dia (Master Made) complete in all respect as approved and directed by the Engineer in charge.	5	2500	Each	12500					0	12500	
54	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	4	1576.25	Each	6305					0	6305	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
55	Providing and Fixing Chromium Plated Bib Cock 1/2" dia (Master Made) complete in all respect as approved and directed by the Engineer in charge.	30	2226	Each	66780					0	66780	
56	P/F of Bath Room Accessories Set Comprising Of Looking Mirror, Shelf, Towel Rail, Towel Ring, Toilet Paper Holder, Soap Dish, Having Mug, Tooth Brush Holder Complete In All Respect As Approved / Directed By The Engineer Incharge.	9	6500	Each	58500					0	58500	
57	Providing and fixing stain less steel sink complete in all respect.	2	4667.6	Each	9335					0	9335	
58	P/F C.P double head bib cock Master Made as approved shade complete as directed /approved by the Engineer Incharge	6	4314	Each	25884					0	25884	
59	P/F Muslim Shower with flexible pipe complete in all respect as approved/directed by the Engineer Incharge	5	1500	Each	7500					0	7500	
60	i. P/L cutting jointing disinfecting G.I. pipe line in trenches including all cost of Specials and valves 1/2" dia	200	119.55	P Rft	23910					0	23910	
61	ii. do- 3/4" dia	150	151.95	P Rft	22793					0	22793	
62	i. P/L cutting jointing testing and disinfecting pipeline in trenches with PVC pipe of BSS class D working pressure 2" dia	100	147.85	P Rft	14785					0	14785	
63	ii. do- 4" dia	300	545.95	P Rft	163785					0	163785	
64	Providing/Installing PVC tee of BSS class D 4" dia	10	1140.15	Each	11402					0	11402	
65	S/E Mobiak Fire Extinguishers Dcp 6 Kg Abc With 4 Zone Conventional Fire Alarm Panel With Optical Smoke Detectors And Sounder (With Flesher) And Call Points, With Complete Installation Of Cable And Conduiting Complete In All Respect As Approved/Directed By The Engineer Incharge.	1	831000	Job	831000					0	831000	
66	Sui Gas	21811	31	Psft	676141				111000	0	676141	
67	Electric Installation	500	21811	Psft	2573698	21811	222	Psft	4842042	2268344	0	
68	Public Health					21811	117	Psft	2551887	2551887	0	
	Total: -				27026134				37703991	10677857	0	
	D/d cost of Old Material									0	0	
1	Old Doors with Chowkat	73	1500	Each	109500	36	1500	Each	54000	0	55500	
2	Old Windows	10	1000	Each	10000	16	1000	Each	16000	6000	0	
3	Electric cables (unservicable)	1	8000	P Job	8000	1	30000	P.Job	30000	22000	0	
	#REF!				127500				100000	0	27500	
	Total:-				26898634				37603991	10705357	0	
	Add 3% Contingency				709463				1128120	418657	0	
	Total:-				27608097				38732111	11124014	0	
	Say				27608000				38732000	11124000	0	
B	PROVISION OF WATER FILTRATION PLANT WITH SUPPLY SYSTEM								30,673,516	0	0	
1	CONSTRUCTION OF ROOM FOR FILTRATION PLANT									0	0	

S. No	Description	As Per Administrative Approval				As Per Amended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.	632	8078.4	%Cft	5106	1375	11949.45	%Cft	16430	11324	0	
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1:6:18	186	12055.5	%Cft	22423					0	22423	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12					366	21178.45	%Cft	77513	77513	0	
4	Pacca brick work in foundation and plinth in Ratio 1:6	345	23388.75	%Cft	80691	662	30137	%Cft	199507	118816	0	
5	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	52	291.35	P.Cft	15150	94	438.75	P.Cft	41243	26093	0	
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.					288	31418.2	%Kg	90484	90484	0	
7	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	54	5642.95	%Sft	3047	89	8600.8	%Sft	7655	4608	0	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick					129	5514.55	%Sft	7114	7114	0	
9	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	491	25038.75	%Cft	122940	1083	32320.85	%Cft	350035	227095	0	
10	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio	214	402.4	P.Cft	86114	352	537.5	P.Cft	189200	103086	0	
11	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.	814	19996.45	%Kg	162771	1078	31418.2	%Kg	338688	175917	0	
12	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.	330	8635.95	% Sft	28499					0	28499	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
13	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	34	260.4	P Sft	8854					0	8854	
14	P/F of M.S. Door leaves made of angle iron 1-1/2"x1-1/4"x3/16" for frame and 1"x1"x3/16" angle iron for bracing on back side i/c 18 SWG Sheet and flat iron 1-1/2"x1/8" for braces in front side for locking arrangement and painting 3 coats complete in all respect as approved and directed by the Engineer Incharge.	26	400	P Sft	10400					0	10400	
15	Cement Plaster 1:6 upto 20' height 1/2" thick	889	2160	% Sft	19202					0	19202	
16	Cement plaster 1:5 upto 20' height ½" thick					1177	3082.5	%Sft	36281	36281	0	
17	Cement plaster 1:4 upto 20' height ½" thick	98	2297.75	% Sft	2252	1353.25	3232.95	%Sft	43750	41498	0	
18	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	381	2568	% Sft	9784	614.875	3699.4	%Sft	22747	12963	0	
19	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	261	3867.6	% OCft	1009	917	5090.45	%OCft	4668	3659	0	
20	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile					0	18484.85	%OCft	0	0	0	
21	Supplying and filling sand under floor, or plugging in wells.	86	1879	% Sft	1616	152	2583.3	%Cft	3927	2311	0	
22	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	147	5495.7	% Sft	8079	218	9464.4	%Cft	20632	12553	0	
23	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4					74	36753.3	%Cft	27197	27197	0	
24	1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing using grey cement	288	13448.75	% Sft	38732					0	38732	
25	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick	258	4672.25	% Sft	12054	328	6927.1	%Sft	22721	10667	0	
26	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	328	9.25	P Rft	3034	197	19.8	P.Rft	3901	867	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
27	Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¼"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	72	598.85	P Sft	43117	90	1605.35	P.Sft	144482	101365	0	
28	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.					34	502.2	P.Sft	17075	17075	0	
29	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. 600mm x 600 mm					460	340.35	P.Sft	156561	156561	0	
30	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x 600 mm					104	340.35	P.Sft	35396	35396	0	
31	Distemper new surface two coats with primary coat of chalk	1270	981.2	% Sft	12461	1177	1283.5	%Sft	15107	2646	0	
32	Cement Pointing 1:2 upto 20' height including weather shield 2 coats	647	5629.3	% Sft	36422					0	36422	
33	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 coat					1508.25	5245.3	%Sft	79112	79112	0	
34	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	6	145.9	P Sft	875	8	207.15	P. Sft	1657	782	0	
35	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mm x 3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	6	317	P Sft	1902	8	492.15	P. Sft	3937	2035	0	
36	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement ½"(13 mm) thick	123	13717.3	% Sft	16872	142	20953.65	%Sft	29754	12882	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
37	Making drip course 2"x½" (50x13 mm) under RCC slab edges in outer opening, in cement, sand mortar 1:2.	86	20.2	P Rft	1737					0	1737	
38	P/F Nas Gas Electric Water Cooler With Two Nos Tap Steel Body Complete In All Respect As Approved/Directed By The Engineer Incharge.	3	61000	Each	183000					0	183000	
39	Cost of Water Filtration Plant 1800-2000 GPH (Stainless Steel) with UF with Dosing Pump	1	1013512	Each	1013512					0	1013512	
40	P/F Resevse osmosis Drinking water filtration plant capacity 500-600 ltr LPH with blending UF membrane complete in all respect as approved and directed by Engineer Incharge					1	1627920	P.Job	1627920	1627920	0	
2	Electric installation									0	0	
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials	200	61	P.Rft	12200					0	12200	
2	25 mm i/d					50	94.6	P.Rft	4730	4730	0	
3	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaidd PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only).									0	0	
4	3/0.029	550	14.05	P.Rft	7728	300	25.7	P.Rft	7710	0	18	
5	3/0.036	250	18.35	P.Rft	4588	50	21.7	P.Rft	1085	0	3503	
6	twin core 7/0.044	47	72.55	P.Rft	3410					0	3410	
7	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge									0	0	
8	One way Gange Switch Small 03 Gange					2	742.5	Each	1485	1485	0	
9	Large 06 Gange					3	1162.5	Each	3487.5	3488	0	
10	S/E of M.S. sheet box of 16 SWG 4" deep 3/16" thick backlite sheet tep for recessed wiring 8"x10"	1	499.45	Each	499					0	499	
11	-do- 7 x 4	1	271.9	Each	272					0	272	
12	S/E of switch 5 Amp Piano type	18	43.4	Each	781					0	781	
13	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	5	49.45	Each	247	1	67.8	Each	67.8	0	179	
14	Erection of ceiling fan along with regulator all size l/c carriage from local railway station / store to site of work electric wire / cable for suspending rod and board connection & cutting threading on rod where necessary	2	312.5	Each	625	1	462.5	Each	462.5	0	163	
15	S/E of ceiling fan 56" sweep complete in all respect	2	5000	Each	10000	1	7000	Each	7000	0	3000	
16	Supply and erection of button holder	10	36	Each	360	4	104.15	Each	416.6	57	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
17	P/F pannel board made of 18 SWG M.S sheet 24"x14"x6" size housing of automatic miniatuere circuit breaker Fuji/Terrasaki with neutral link with the following breakers: (i) 6-10 Amp (S.P) 5 No. (ii) 11-20 Amp (SP) 2 Nos.(iii) 6-63 Amp (SP) 2 Nos. i/c 3 coats painting, cable connection, cost of volt meter, ampere meter, indicator bulb complete in all respect as approved and directed by the Engineer Incharge.	1	6000	Each	6000	1	43580	Each	43580	37580	0	
18	S/E of energy saver 24 watt complete in all respect as approved by the Engineer Incharge (N.S)	6	275	Each	1650					0	1650	
19	Supply and erection of LED Bulb 12 Watt Complete in all respect as approved and directed by the Engineer Incharge.					4	440	Each	1760	1760	0	
3	WATER SUPPLY SYSTEM									0	0	
1	Excavation in trenches in all kind of soil, except cutting rock, for water supply pipelines upto 5 ft (1.5m) depth from ground level, i/c trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints etc complete in all respect.					6000	%0Cft	5755.2	45736.5	45737	0	
2	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).PN-20 pipe(3/4")									0	0	
3	From Filtration room to distrubtion line 63 mm.					1000	P.Rft	377.95	377950	377950	0	
4	---do--- 40 mm					700	P.Rft	161.3	112910	112910	0	
5	---do--- 25 mm					1200	P.Rft	66.5	79800	79800	0	
6	---do--- 20 mm					800	P.Rft	48.1	38480	38480	0	
7	Providing and fixing chromium plated bib cock: 2 cm (3/4")					10	Each	1015	10150	10150	0	
8	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by theEngineer Incharge.									0	0	
9	1/2" dia					20	Each	990	19800	19800	0	
10	---do--- 1" dia.					24	Each	1674	40176	40176	0	
11	---do--- 3/4" dia.					24	Each	1434	74568	74568	0	
12	Boring for tube well in shingle gravel and rock i/c sinking and with drawing of casing pipe from ground level to 200' depth. 12"-18"i/d.	200	1300.75	P Rft	260150					0	260150	
13	exceeding 200' depth below G/L	100	1300.75	P Rft	130075					0	130075	
14	P/I P.V.C bail plug end plug in tube well bore hole 8" i/d.	1	359.05	Each	359					0	359	
15	P/I P.V.C strainer B.S.S class (d) in the tube well bore hole i/c socket and solvent etc complete 8"i/d.	100	843.2	P Rft	84320					0	84320	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
16	P/I P.V.C blind pipe B.S.S class (D) in tube well bore hole i/c socket and solvents and jointing with strainer complete 8" i/d.	200	1616.8	P Rft	323360					0	323360	
17	P/L, cutting jointing testing and disinfecting G.I pipe line in trenches with socket joints using G.I pipe of BSS 1387-1967 complete in all respect with specials Medium Quality. 1/2" i/d.	200	119.55	P Rft	23910					0	23910	
18	3/4" i/d	500	151.95	P Rft	75975					0	75975	
19	1" i/d	350	227.05	P Rft	79468					0	79468	
20	P/F submersible pump with submersible motor 3 H.P single phase (J.D made) discharge along with electric cable from electric point to submersible motor in bore hole, capacitor, circuit breaker, PVC Roll pipe and MS cap on top etc complete as approved and directed by the Engineer Incharge	1	55000	Each	55000					0	55000	
21	P/F Super Tuff Water Tank Plastic Made best quality i/c all cost of inlet, outlet, over flow, socket complete in all respect as approved/directed by the E/ Incharge	1000	75	P Gln	75000					0	75000	
										0	0	
	Total: -				3107633				4486049	1378416	0	
	Add 3% Contingency: -				93229				134581	41352	0	
	Total: -				3200862				4620630	1419768	0	
	Total: -				3201000				4621000	1420000	0	
C	PROVISION OF SEWERAGE SYSTEM									0	0	
1	SEWER LINE									0	0	
1	Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water in all types of soil except shingle, gravel and rock.	6000	6683.3	%0Cft	40100	6000	11740.4	%o Cft	70442	30342	0	
2	Providing, laying, watering and ramming brick ballast 1 1/2" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	1476	5495.7	%Cft	81117	1476	9464.4	% Cft	139695	58578	0	
3	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1 1/2:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete.460 mm (18") i/d	300	850.3		255090	600	1181.8	P.Rft	709080	453990	0	
4	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1 1/2:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc. complete.460 mm (15") i/d					400	960.5	P.Rft	384200	384200	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
5	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)					2600	440.65	P.Rft	1145690	1145690	0	
6	Providing and installing P.V.C. bends, of B.S.S with class B 4"dia					115	543.55	Each	62508	62508	0	
7	Providing and installing P.V.C. tees, of B.S.S with class B 4"dia					115	1586	Each	182390	182390	0	
8	Provision man Hole size 3.5 x 3.5 (Detailed Attached)									0	0	
2	MANHOLE									0	0	
1	Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water in all types of soil except shingle, gravel and rock.	660	6683.3	%0Cft	4411	4400	11740.4	%0Cft	51658	47247	0	
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinthRatio 1: 6:12	84	13037.1	%Cft	10951	560	21178.45	%Cft	118599	107648	0	
3	Pacca brick work 1:6 in C/S mtr other than building	342	24205.3	%Cft	82782	2280	31221.85	%Cft	711858	629076	0	
4	1/2" thick cement sand plaster on walls (1:4) up to 20' height.	456	2297.75	%Sft	10478	3040	3232.95	%Sft	98282	87804	0	
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1: 2: 4	24	24433.2	%Cft	5864	160	36753.3	%Cft	58805	52941	0	
6	Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast 3) This item shall not be applicable in situ, complete in all respects Type	78	402.4	P. Cft	31387	520	537.5	P. Cft	279500	248113	0	
7	Fabrcaion of mild steel reinforcement for cement concrete l/c cutting ,bending, binding,laying and position deformed bars	240	19996.45	%Kg	47991	1600	31418.2	%Kg	502691	454700	0	
8	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.	6	9141.35	Each	54848	40	6847	Each	273880	219032	0	
3	SEPTIC TANK									0	0	
1	Earth work excavation in open cutting like a man hole sewer line etc 0ft to 7ft depth.	1334	6683.3	% oCft	8916	8640	11740.4	%0Cft	101437	92521	0	
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:12.	96	12055.5	% Cft	11573	432	21178.45	%Cft	91491	79918	0	
3	Pucca brick work 1:4 other then building.					1866	32898.7	%Cft	613890	613890	0	
	Pucca Brick work 1:6 other than building	373	24205.3	%Cft	90286					0	90286	
4	1/2" thick cement neru plaster 1:2 upto 20ft height.	602	2297.75	4	13832	2213	3780.7	%Sft	83667	69835	0	
5	PCC 1:2:4 including curring & finishing etc complete.	50	24433.2	%Cft	12217	143	36753.3	%Cft	52557	40340	0	
6	Extra cost for making finishing benching in manhole chamber with 1/8" thick cement.					573	2934.1	%Sft	16812	16812	0	
7	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1: 2: 4)	111	291.35	P. Cft	32340	578	537.5	P. Cft	310675	278335	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
	Fabrication mild steel reinforcement for cement concrete l/c cutting bending laying in position making joints and fastening l/c cost of binding wire and labour charges for binding of steel reinforcement (also included removal of rust form bars) Deformed bar Grade 40.	340	19996.45	%kg	67988	1770	31418.2	%Kg	556102	488114	0	
8	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.					2	6847	Each	13694	13694	0	
	Total:-				862170				6629603	5767433	0	
	Add 3% Contingency				25865				198888	173023	0	-do-
	Total:-				888036				6828492	5940456	0	
	SAY				888000				6828000	5940000	0	
D	FIRE ALARAM SYSTEM					1	7685000	P. Job	7685000	7685000	0	
E	PROVISION OF ATS SYSTEM AND PANEL BOARDS					1	33328000	P. Job	33328000	33328000	0	
F	ELECTRIC PANEL ROOM					1	1182900	P. Job	1182900	1182900	0	
G	PROVISION OF APPROACH ROAD									0	0	
1	Excavation in foundation of bldg, bridges and other structures, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5 ft. in O/soil	800	8078.4	% oCft	6463					0	6463	
2	Cement concrete brick or stone ballest 1:6:12 ratio in foundation and plinth	1322	13037.1	%cft	172350					0	172350	
3	Brick work 1:6 cement sand mortar in F&P	900	23388.75	%cft	210499					0	210499	
4	Providing and laying of tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cushion including grouting with sand in joints including finishing to require slope complete in all respect (50% Grey and 50% coloured)80 mm	3400	105.55	P. Sft	358870					0	358870	
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1: 2: 4	75	24433.2	%cft	18325					0	18325	
	Total:-				766507					0	766507	
	Add 3% Contingency				22995					0	22995	
	Total:-				789502					0	789502	
	SAY				790000					0	790000	
H	PROVISION OF WAITING AREA AND PARKING FACILITY									0	0	
1	P/F Waiting shed compromising of fiber glass sheet roof (2 layer) 2mm thick fixed / riveted with arch frame of 1" MS box pipe 16 SWG welded fixed with plate 9"x9"x1/4" welded on 4" dia G.I pipe i/c cost of cutting straighening assembling bedding as per designn moulding grinding of joints etc complete in all respect asapproved by the engineer incharge.	3950	650	P. Sft	2567500					0	2567500	

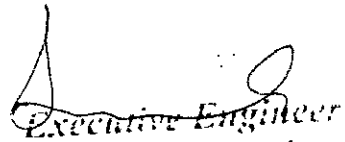
S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
2	Providing and laying of tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cushion including grouting with sand in joints including finishing to require slope complete in all respect (50% Grey and 50% coloured)80 mm	1950	105.55	P. Sft	205823					0	205823	
	Total:-				2773323					0	2773323	
	Add 3% Contingency				83200					0	83200	
	Total:-				2856522					0	2856522	
	SAY				2857000					0	2857000	
1	BOUNDARY WALL WITH RAZOR WIRE AND IRON SPIKE									0	0	
1	Pacca brick work with 1:4 cement sand mortar in other than building.	1733	25186.8	% Cft	436487					0	436487	
2	Plain cement concrete (1:2:4) including curing compacting placing etc	217	24433.2	% Cft	53020					0	53020	
3	Cement plaster with 1:4 in cement sand mortar ½" thick	4620	2297.75	% Sft	106156					0	106156	
4	Providing and fixing of razor wire 1.5' dia on boundary wall i/c cost of angle iron 1-1/2"x1-1/2"X3/16"@ 8' c/c Y-shaped, size 1-1/2' side post 2 No and 1 No vertical post 1' high embedded in PCC 1:2:4, 9"x9"x9" on wall including cost of 2 Nos G.I wire 8 SWG for binding complete in all respect as approved/directed by the Engineer Incharge.	1155	400	P Rft	462000					0	462000	
5	P/A weather shield paint 2 coat old surface on external wall of building	13860	2068	% Sft	286625					0	286625	
6	P/A weather shield paint 2 coat new surface on external wall of building	4620	3116	% Sft	143959					0	143959	
	Total:-				1488247					0	1488247	
	Add 3% Contingency				44647					0	44647	
	Total:-				1532895					0	1532895	
	SAY				1533000					0	1533000	
1	Provision of Iron Spike on Boundary Wall	2310	650	% Sft	1501500					0	1501500	
1	ELECTRIFICATION OF STREET LIGHT									0	0	
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials 50 mm i/d	800	P. Rft	135.1	108080					0	108080	
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated 19/1.63 mm (19/0.064")	400	P. Mtr	586.8	234720					0	234720	
3	P/F Of Tubler Electric Street Light Poles 4" Dia 15', 3" Dia 10' & 1-1/4" Dia 7" On Concrete Footing By Means Plates & Nut Bolts Complete In LI Respect As Approved By The Engineer Incharge	20	Each	64596	1291920					0	1291920	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
4	Earthing with 8 SWG Copper wire i/c copper srip 60x10mm and G.I Pipe 3/4" dia 100' long complete with sockets 105ft below from ground level i/c making bore hole and filling with salt and charcoal mixure etc. complete in all respect as approved and directed by the Engineer Incharge.	2	Each	38100	76200					0	76200	
5	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/2.11 mm (19/0.083")	130	P. Rft	1425.45	185309					0	185309	
6	S/E of Branch Distribution board consisting of 16 SWG M/S Sheet Box 18"x24"x6" duly powder coated i/c cost of 3 No. Volt Meter, 1 No. Ampair meter, Selector switch, LED Neon Lights Bus Bar (1-1/2"x1/8") 14" thimbling at connection having glass.	1	Each	32100	32100					0	32100	
7	S/E of L.E.D Flood Light 50 Watt Philips made complete in all respect.	20	Each	15600	312000					0	312000	
	Total: -				2240329					0	2240329	
	Add 3% Contingency: -				67210					0	67210	
	Total: -				2307539					0	2307539	
	Say: -				2308000					0	2308000	
J	PROVISION OF GENERATOR SHED									0	0	
1	Excavation in foundation of building bridges and other structures i/c dagbelling , dressing, refilling around structure with excavated earth ,watering and ramming lead up to one chain and lift up to 5 feet.	96	8078.4	% oCft	776					0	776	
2	P/L dry brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth ratio 1:6:18	24	12055.5	% Cft	2893					0	2893	
3	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	509	20956.6	% Kg	106669					0	106669	
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) (1:2:4):	72	24433.2	% Cft	17592					0	17592	
5	Providing & Fixing corrugated galvanized iron sheets with G.I. bolts, nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges (20 BWG):-	476	19037.15	% Sft	90617					0	90617	
6	Preparing surface and painting of doors and windows any type (including edges) on horizontal and vertical angle Iron (3 coats):-	376	1939.75	% Sft	7293					0	7293	
	Total:-				225840					0	225840	
	Add 3% Contingency				6775					0	6775	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
	Total:-				232615					0	232615	
	SAY				233000					0	233000	
K	PROVISION OF WASTE DUMPING FACILITY									0	0	
1	Excavation in foundation of bldg, bridges and other structures, i/c dag belling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift upto 5 ft. in O/soil	172	8078.4	% oCft	1389					0	1389	
2	Cement concrete brick or stone ballest 1:6:18 ratio in foundation and plinth	43	12055.5	%cft	5184					0	5184	
3	Brick work 1:6 cement sand mortar in F&P	77	23388.75	%cft	18009					0	18009	
4	Pacca brick work with 1:6 cement sand mortar in other than building	165	24205.3	%cft	39939					0	39939	
5	Cement plaster with 1:4 cement sand mortar ½" thick upto 20' height	520	2297.75	%cft	11948					0	11948	
6	P/A weather shield paint 2 coat old surface on external wall of building	520	3116	%Sft	16203					0	16203	
	Total:-				92673					0	92673	
	Add 3% Contingency				2780					0	2780	
	Total:-				95453					0	95453	
	SAY				95000					0	95000	
L	REPAIR OF OHR FACILITY									0	0	
1	Removing Cement Plaster from Walls	580	319	%Sft	1850					0	1850	
2	Cement plaster with 1:4 cement sand mortar ½" thick upto 20' height	580	2297.75	%Sft	13327					0	13327	
3	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over ½" thick cement plaster 1:3 cement sand mortar without rubbing and polishing using grey cement ½" thick	790	12464.5	%Sft	98470					0	98470	
4	P/L cutting jointing testing disinfecting GI pipeline in trenches etc complete 3" dia	100	751.5	P Rft	75150					0	75150	
	Total:-				188797					0	188797	
	Add 3% Contingency				5664					0	5664	
	Total:-				194461					0	194461	
	SAY				194000					0	194000	
	G-Total (A+B+C+D+E+F+G+H+I+J+K+L): -				41208500				92376900	51168400	0	

S. No	Description	As Per Adiminsitrative Approval				As Per Ammended RCE				Difference		Remarks
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	Excess	Saving	
	Add 1% Tree Plantation Charges				412085					0	412085	
	Add 5% PRA charges: -				2060425				4618926	2558501	0	
	Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of trasnsformer: -				500000				3000000	2500000	0	
	Total: -				44181010				99995826	55814816	0	
	Say in Million: -				44.181				99.996	55.815	0	


 Sub Divisional Officer
 Buildings Sub Division
 Fatehjang


 Executive Engineer
 Buildings Division
 ATTOCK

**ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL
HEADQUARTERS HOSPITALS ONE AT FATEHJANG DISTRICT
ATTOCK**

Sr. No.	Description	Qty	Unit	Rate	Amount
1	Dismantling glazed or encaustic tiles, etc	614	%cft	2335.85	14342
2	Dismantling cement concrete 1:2:4 plain.	562	%cft	11174.6	62801
3	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	1156	%sft	36753.3	424868
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm	4496	Psft	340.35	1530214
5	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm	1693	P.Sft	340.35	576213
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"	1121	P.Sft	239.8	268816
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"	7206	P.Sft	292.55	2108115
8	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.	360	Psft	431.00	155160
9	Supply and installation anti microbial Hygienic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (Urethane)	360	Psft	516	185760
10	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge	912	P. Sft	1788.00	1630656

Sr. No.	Description	Qty	Unit	Rate	Amount
11	Removing door with chowkat.	36	Each	438	15768
12	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	494	P. Sft	502.2	248087
13	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	238	P. Sft	1437.6	342149
14	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	280	P. Sft	211.4	59192
15	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	115	P. Sft	2361.45	271567
16	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal autotomatic hydraulic operated door stopper (Concealed floor hinge), embeded in floor i/c the cost of Top pivot hinge, hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.	6	Each	5572	33432
17	Removing windows and sky lights with chowkat.	16	Each	341.5	5464
18	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacture having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	580	P. Sft	1348.4	782072
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.	290	P. Sft	493.05	142985
20	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars	4574 580	P. Sft	854.8	9909855 495784

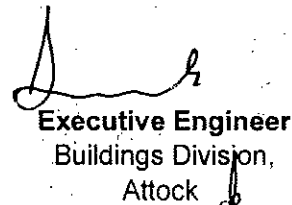
Sr. No.	Description	Qty	Unit	Rate	Amount
21	Removing cement or lime plaster.	5730	%sft	423.3	24255
22	Cement plaster 1:4 upto 20' (6.00 mm) height:-½" (13 mm) thick	5730	%sft	3,232.95	185248
23	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws. (diamond hole shape,) and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	3994	P. Sft	599.25	2393405
24	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.	1455 14549	%sft	2175.5	98964- 25127
25	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	36775	%Sft	761.9	280189
26	Preparing surface and painting with emulsion paint 2 coats	36775	%Sft	2034.65	748243
27	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: two coat	18864 14870	%Sft	3850.9	726434 572629
28	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm. wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	637	P. Sft	2500	4592500
29	Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.	500	P. Sft	640.00	320000
30	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-4" i/d (100 mm)	525	PRft	440.65	231341
31	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)	70	Each	543.55	38049
32	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	70	Each	835	58450
33	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over ¾" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge.	80	Psft	1308.85	104708
34	Uplifting of Front Elevation	1	Job	4909000 4551935	4909000 4551935
35	P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as aper instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	400 60	P. Sft	1020.00	416160 0.00 108,000
36	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.	725	Each	1800	13050
37	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.16SWG 4"x3"	700	PRft	335.35	234745
ii	...do...6"x3"	450	PRft	402.7	181215

1



Sr. No.	Description	Qty	Unit	Rate	Amount
38	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- 150 mm sq (37/0.093")	300	PRft	5686.15	1705845
ii	...do....120 mm sq (37/0.083)	350	PRft	4633.45	1621708
39	Making chaises in existing brick masonry for providing recesses for bearing of RCC roof slab, including repairing the damaged face for slabs upto 6" (150 mm) thick	2100	PRft	36.7	77070
40	Cement plaster 1:5 upto 20' (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.	3327	%sft	3506	116638
41	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-On interior surface (without mastic strip)	110	PRft	147.3	16203
42	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.	110	PRft	281.25	30938
43	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabin 22" deep with back Complete in all Respect.	115	Psft	6170	709550
44	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality 4" i/d (100 mm) 4.5mm thick	500	PRft	1564.95	782475
45	Electric Installation	21811	Psft	222	4842042
46	Public Health	21811	Psft	117	2551887
				Total: -	37703991
					32171827-
	D/d cost of Old Material				
1	Old Doors with Chowkat	36	Each	1500	54000
2	Old Windows	16	Each	1000	16000
3	Electric cables (unservicable)	1	P.Job	30000	30000
				Total (B): -	100000
				Net Total (A-B): -	37603991
					32071827-
				Add 3% Contingency: -	4428120
					962155-
				Total: -	38732111
					33033982-
				Say: -	38732000-


 Sub-Divisional Officer
 Building Sub Division
 FatehJang


 Executive Engineer
 Buildings Division,
 Attock

ESTIMATE FOR THE WORK "REVAMPING OF T.H.Q HOSPITAL FatehJang DISTRICT ATTOCK"

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
1	Dismantling glazed or encaustic tiles, etc						
	OPD BLOCK						
	MS Office	1	12	13.75		165	Sft
	Emergency Ward	1	15.75	14		221	Sft
	Waiting Area	1	15.75	14.5		228	Sft
	WARDS						
	Male Ward	1	36	47		1692	Sft
	Female Ward	1	36	47		1692	Sft
	Doctor Room	1	10	15.75			
	Store	1	10	15.75			
	Laboratory						
	Laboratory	1	13	14		182	Sft
						Total	614 Sft
2	Dismantling cement concrete 1:2:4 plain.						
	OPD BLOCK						
	MS Office	1	12	13.75	0.125	21	Sft
	Emergency Ward	1	15.75	14	0.125	28	Sft
	Waiting Area	1	15.75	14.5	0.125	29	Sft
	WARDS						
	Male Ward	1	36	47	0.125	212	Sft
	Female Ward	1	36	47	0.125	212	Sft
	Doctor Room	1	10	15.75	0.125	20	Sft
	Store	1	10	15.75	0.125	20	Sft
	Laboratory						
	Laboratory	1	10	15.75	0.125	20	Sft
						Total	562 Sft
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4						
	Same Qty as Item No. 2					562	Cft
	OPD Block Gola on Roof	2	135	0.75	0.75	152	Cft
		2	55	0.75	0.75	62	Cft
	OT Block	2	104	0.75	0.75	117	Cft
		2	42	0.75	0.75	47	Cft
	Ward Block Gola on Roof	2	136	0.75	0.75	153	Cft
		2	56	0.75	0.75	83	Cft
						Total: -	1156 Cft
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm						
	OPD BLOCK						
	MS Office	1	12	13.75		165	Sft
	Emergency Ward	1	15.75	14		221	Sft
	Waiting Area	1	15.75	14.5		228	Sft
	WARDS						
	Male Ward	1	36	47		1692	Sft
	Female Ward	1	36	47		1692	Sft
	Doctor Room	1	10	15.75		158	Sft
	Store	1	10	15.75		158	Sft
	Laboratory						
	Laboratory	1	13	14		182	Sft
						Total	4496 Sft
5	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm						
	OPD BLOCK						

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	MS Office	2	(12+	13.75)	0.50	26	Sft
	Emergency Ward	2	(15.75+	14)	0.50	30	Sft
	Waiting Area	2	(15.75+	14.5)	4.00	242	Sft
	WARDS						
	Male Ward	2	(36+	47)	4.00	664	Sft
	Female Ward	2	(36+	47)	4.00	664	Sft
	Doctor Room	2	(10+	15.75)	0.50	26	Sft
	Store	2	(10+	15.75)	0.50	26	Sft
	Laboratory						
	Laboratory	2	(13+	14)	0.50	27	Sft
					Total(A)	1705	Sft
	D/d						
	D3	1	3	0.5		2	Sft
	D4	3	3.5	0.5		5	Sft
	D6	2	4.5	0.5		5	Sft
					Total(B)	12	Sft
					G.Total(A-B)	1693	Sft
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"						
	OPD Toilet Block	1	18	14		252	Sft
	MS Office	1	3	4.75		14	Sft
	Laboratory Wash Room	2	8	13.5		216	Sft
	Wards	2	21.5	10		430	Sft
		2	15.5	6.75		209	Sft
					Total	1121	Sft
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"						
	OPD Toilet Block	6	(6+	8.75)	7	620	Sft
		8	(2.75+	4.75)	7	420	Sft
		2	(5.75+	4.5)	7	144	Sft
	MS Office	2	(3+	4.75)	7	109	Sft
	Laboratory Wash Room	4	(8+	13.5)	7	602	Sft
		4	(0+	13.5)	7	378	Sft
		4	(8+	0)	7	224	Sft
	Wards	4	(21.5+	10)	7	882	Sft
		12	(7+	0)	7	588	Sft
		8	(0+	10)	7	560	Sft
	Wards	4	(15.5+	6.75)	7	623	Sft
		8	(7+	0)	7	392	Sft
					Total(A)	7784	Sft
	D/d						
	D2	33	2.5	7		578	Sft
					Total(B)	578	Sft
					G.Total(A-B)	7206	Sft
8	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.						
	O.T	1	20.00	18.00		360	Sft
					Total: -	360	Sft
9	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (Urethane)						
	O.T	1	20.00	18.00		360	Sft
					Total: -	360	Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
10	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge					
	O.T	2	(20+	18)	12.00	912 Sft
					Total: -	912 Sft
11	Removing door with chowkat.					
	D-1	10				10 No.
	D-2	5				5 No.
	D-3	8				8 No.
	D-4	4				4 No.
	D-5	3				3 No.
	D-6	4				4 No.
	D-7	2				2 No.
					Total: -	36 No.
12	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper ppressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.					
	D-1	10	2	7		140 Sft
	D-2	5	2.5	7		88 Sft
	D-3	8	3	7		168 Sft
	D-4	4	3.5	7		98 Sft
	D-5	3	4	7		
					Total: -	494 No.
13	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.					
	D-6	4	4.5	8.5		153 Sft
	D-7	2	5	8.5		85 Sft
					Total: -	238 No.
14	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(Non-Skid Chequred Tiles) 300mmx300mm					
	Ramp	2	20	7		280 Sft
					Total: -	280 Sft
15	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2- ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge					
	Ramp	2	2	20		80 Rft
	STAIR	1	1	35		35 Rft
					Total: -	115 Rft
16	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal autotomatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.					
					Total: -	6 No
17	Removing windows and sky lights with chowkat.					
	W1	2				2 Sft
	W3	4				4 Sft
	W4	4				4 Sft
	W5	6				6 Sft
					Total: -	16 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
18	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacture having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x1/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.					
	W1	2	3	5		30 Sft
	W3	4	6	6		144 Sft
	W4	4	8	8		256 Sft
	W5	6	5	5		150 Sft
					Total: -	580 Sft
19	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.					
	1/2 qty above item	580	/	2		290 Sft
					Total: -	290 Sft
20	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars					
		60	8.875	7.5		3994 Sft
	Same Qty as Item No. 18					580 Sft
					Total: -	4574 Sft
21	Removing cement or lime plaster.					
	OPD R/L wall	2	55	15		1650 Cft
	Ward F/B wall	2	136	15		4080 Cft
					Total: -	5730 Cft
22	Cement plaster 1:4 upto 20' (6.00 mm) height: -1/2" (13 mm) thick					
	OPD R/L wall	2	55	15		1650 Cft
	Ward F/B wall	2	136	15		4080 Cft
					Total: -	5730 Cft
23	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti 1/2"x 1/8" (13 mmx3 mm) and machine made screws. (diamond hole shape) and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge					
	Double (30*2)	60	8.875	7.5		3994 Sft
					Total: -	3994 Sft
24	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.					
	OPD Block					
	D4	8	2	3.5	7	392 Sft
	OT					
	D3	3	2	3	7	126 Sft
	D4	2	2	3.5	7	98 Sft
	D5	4	2	4	7	224 Sft
	Wards Block					
	D3	4	2	3	7	168 Sft
	D4	3	2	3.5	7	3394 147 Sft
	<i>Veranda opening windows</i>	1				4456 Sft
					Total: -	4549
25	Scraping Ordinary distemper, oil bound distemper, or paint of wall.					
	GROUND FLOOR (OPD)					
	Laboratory	2	(15.75+	14)	11.50	684 Sft
	Computer Room	2	(10+	14)	11.50	552 Sft
	Gynaecologist	2	(10+	14)	11.50	552 Sft
	Surgical Room	2	(12+	14)	11.50	598 Sft
	CMO	2	(12+	14)	11.50	598 Sft
	Emergency	2	(16+	14)	11.50	690 Sft
	Medical Specialist	2	(12.5+	14)	11.50	610 Sft
	Emergency Ward	2	(15.75+	14)	11.50	684 Sft
	EPI Room	2	(9.75+	13.75)	11.50	541 Sft
	Children Doctor	2	(12+	13.75)	11.50	592 Sft
	Waiting Room	2	(15.75+	0)	11.50	362 Sft
		1	(0+	14.5)	11.50	167 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	MS Office	2	(12+	13.75)	11.50	592	Sft
	Dental Doctor	2	(15.75+	13.75)	6.00	354	Sft
	Dispensary	2	(14+	13.75)	11.50	638	Sft
	Homeo Doctor	2	(8+	13.75)	11.50	500	Sft
	TB Dats Room	2	(10+	13.75)	11.50	546	Sft
	Entrance	2	(0+	10)	11.50	230	Sft
		1	(21.5+	0)	11.50	247	Sft
	Bath	6	(6+	8.75)	5.00	443	Sft
		8	(2.75+	4.75)	5.00	300	Sft
		2	(5.75+	4.5)	5.00	103	Sft
	Gallery OPD	4	135		7.50	4050	Sft
	Gallery	2	55		7.50	825	Sft
	O.T BLOCK						
	ROOM	2	(12+	18)	11.50	690	Sft
	Labour Room	2	(14+	18)	11.50	736	Sft
	Ward	2	(32+	22)	11.50	1242	Sft
	Auto Clave Room	2	(12+	9.5)	11.50	495	Sft
	Nursing Station	2	(8+	13.5)	11.50	495	Sft
	Store	2	(8+	5)	6.00	156	Sft
	X-Ray Room	2	(12.5+	17)	11.50	679	Sft
	X-Ray	2	(8+	8.75)	11.50	385	Sft
	Room	2	(12+	14)	11.50	598	Sft
	Gynae Ward	2	(16+	14)	11.50	690	Sft
	Bath	2	(12+	8.75)	5.00	208	Sft
		4	(3.75+	4.75)	5.00	170	Sft
	Recovery Room	2	(18.75+	8)	11.50	615	Sft
	Dressing Room	2	(12+	14)	11.50	598	Sft
	Room	2	(10.25+	14)	11.50	558	Sft
	Laboratory	2	(13+	14)	11.50	621	Sft
	Bath	2	(8+	9)	11.50	391	Sft
		4	(3.75+	4.5)	5.00	165	Sft
	Gallery	2	78		6.00	936	Sft
	Corridor	2	107		6.00	1284	Sft
	Gallery	2	21		6.00	252	Sft
	WARDS						
	MALE WARD 1	2	(36+	46.75)	6.00	993	Sft
	MALE WARD 2	2	(36+	46.75)	6.00	993	Sft
	Congo Isolation Ward	2	(12+	19)	11.50	713	Sft
	Dengue Ward	2	(12+	19)	11.50	713	Sft
	Store	8	(5+	12)	11.50	1564	Sft
	Bath	8	(5+	6.75)	5.00	470	Sft
	PRIVATE ROOM	4	(9+	19.25)	11.50	1300	Sft
	Nursing Station	4	(11+	12)	11.50	1058	Sft
	Doctor Room	4	(10+	15)	11.50	1150	Sft
	Bath	4	(5.5+	6.75)	5.00	245	Sft
		4	(5+	6.75)	5.00	235	Sft
	Toilet Block	4	(9.75+	10)	5.00	395	Sft
		12	(6.75+	10)	5.00	1005	Sft
		8	(4.5+	4.75)	5.00	370	Sft
	Gallery WARDS	2	64.5		6.00	774	Sft
	Gallery WARDS	2	64.5		6.00	774	Sft
	Medical Store						
	Store	6	(6.75+	10)	11.50	1156	Sft
	Big Store	2	(28+	20)	11.50	1104	Sft
	Recovery Room	2	(18.75+	8)	11.50	615	Sft
	STORE	2	(10+	8)	11.50	414	Sft
					Total(A)	43463	Sft
	D/d						
	D7	2	5	7		70	Sft
	D6	11	4.5	7		347	Sft

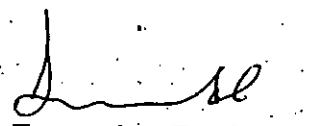
Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	D5	3	4	7		84	Sft
	D4	10	3.5	7		245	Sft
	D3	23	3	7		483	Sft
	D2	19	2.5	7		333	Sft
	D1	10	2	7		140	Sft
	AI	22	5	7		770	Sft
	WINDOWS						
	W1	70	3	5		1050	Sft
	W2	57	4	4		912	Sft
	W3	45	6	6		1620	Sft
	W4	2	8	8		128	Sft
	W6	18	5	5		450	Sft
	V1	14	2	2		56	Sft
						Total(B)	6688 Sft
						G.Total(A-B)	36775 Sft
26	Preparing surface and painting with emulsion paint 2 coats						
	Same Qty as Item No. 25					36775	Sft
	Laboratory	1	15.75	14		221	Sft
	Computer Room	1	10	14		140	Sft
	Gynaecologist	1	10	14		140	Sft
	Surgical Room	1	12	14		168	Sft
	CMO	1	12	14		168	Sft
	Emergency	1	16	14		224	Sft
	Medical Specialist	1	12.5	14		175	Sft
	Emergency Ward	1	15.75	14		221	Sft
	EPI Room	1	9.75	13.75		134	Sft
	Children Doctor	1	12	13.75		165	Sft
	Waiting Room	1	15.75	14.5		228	Sft
	MS Office	1	12	13.75		165	Sft
	Dental Doctor	1	15.75	13.75		217	Sft
	Dispensary	1	14	13.75		193	Sft
	Homeo Doctor	1	8	13.75		110	Sft
	TB Dats Room	1	10	13.75		138	Sft
	Entrance	1	21.5	10		215	Sft
	Bath	1	18	14		252	Sft
	Gallery OPD	2	135	6.75		1823	Sft
	Gallery	1	55	6.75		371	Sft
	O.T BLOCK						
	ROOM	1	12	18		216	Sft
	Labour Room	1	14	18		252	Sft
	Ward	1	32	22		704	Sft
	Auto Clave Room	1	12	9.5		114	Sft
	Nursing Station	1	8	13.5		108	Sft
	Store	1	8	5		40	Sft
	X-Ray Room	1	12.5	17		213	Sft
	X-Ray	1	8	8.75		70	Sft
	Room	1	12	14		168	Sft
	Gynae Ward	1	16	14		224	Sft
	Bath	1	8	14		112	Sft
	Recovery Room	1	18.75	8		150	Sft
	Dressing Room	1	12	14		168	Sft
	Room	1	10.25	14		144	Sft
	Laboratory	1	13	14		182	Sft
	Bath	1	8	14		112	Sft
	Gallery	1	78	6.75		527	Sft
	Corridor	1	107	6.75		722	Sft
	Gallery	1	21	6.75		142	Sft
	WARDS						
	MALE WARD 1	1	36	46.75		1683	Sft
	MALE WARD 2	1	36	46.75		1683	Sft
	Congo Isolation Ward	1	12	19		228	Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	Dengue Ward	1	12	19		228	Sft
	Store	4	5	12		240	Sft
	Bath	2	5	6.75		68	Sft
	PRIVATE ROOM	2	9	19.25		347	Sft
	Nursing Station	2	11	12		264	Sft
	Doctor Room	2	10	15		300	Sft
	Bath	4	5.5	6.75		149	Sft
		2	5	6.75		68	Sft
	Toilet Block	2	22	10		440	Sft
	Gallery WARDS	1	64.5	7.5		484	Sft
	Gallery WARDS	1	64.5	7.5		484	Sft
	Medical Store						
	Store	3	6.75	10		203	Sft
	Big Store	1	28	20		560	Sft
	Recovery Room	1	18.75	8		150	Sft
	STORE	1	10	8		80	Sft
	<i>D/d open p.</i>						
					Total	54270	Sft
27	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: two coat						
	Wards	2	(138+	57.5)	15	5865	Sft
	O T	2	(101+	42)	15	4290	Sft
	OPD	1	(137+	0)	15	2055	Sft
	OPD	2	(0+	45)	15	1350	Sft
	Galleries	4	52		13	2704	Sft
	<i>D/d open p.</i>	4	50		13	2600	Sft
					Total	18864	Sft
28	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge						
		7	3	7		147	Sft
		28	2.5	7		490	Sft
					Total	637	Sft
29	Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.						
		100	5			500	Rft
					Total: -	500	Rft
30	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects: 4" i/d (100 mm)						
	For Rain water Down Pipe	35	15			525	Rft
31	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)						
		70				70	No.
32	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)						
		70				70	No.
33	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.						
	Shelves	5	1	8	2	80	Sft
					Total: -	80	Sft
34	Uplifting of Front Elevation						
		1				1	Job
					Total: -	1	Job
35	P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as per instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.						
	Dark Room	2	8	12		192	Sft
		2	9	12		216	Sft
					Total	408	Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.
			L	B	H	
36	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.					725 No.
						Total 725 No.
37	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage, size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge. 16SWG 4"x3"					700 Rft
						Total 700 Rft
ii	...do....6"x3"					450 Rft
						Total 450 Rft
38	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- 150 mm sq (37/0.093")					300 Rft
						Total 300 Rft
iido.....120 mm sq (37/0.083)					350 Rft
						Total 350 Rft
39	Making jharries in existing brick masonry for providing recesses for bearing of RCC roof slab, including repairing the damaged face for slabs upto 6" (150 mm) thick	500				500 Rft
		900				900 Rft
		700				700 Rft
						Total 2100 Rft
40	Cement plaster 1:5 upto 20' (6.00 mm) height 1/2" (13 mm) thick i/c Removing cement or lime plaster.	2	15	7		210 Sft
		2	18.875	12		453 Sft
		2	13	12		312 Sft
		2	18	12		432 Sft
		1	100	12		1200 Sft
		2	30	12		720 Sft
						Total 3327 Sft
41	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- On interior surface (without mastic strip)	10	11			110 Rft
						Total 110 Rft
42	Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wide G.I. sheet 18SWG. stopper to expansion joint.	7	40			280 Rft
						Total 280 Rft
43	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabnit 22" deep with back Complete in all Respect.	1	22	2.5		55 Sft
		1	14	2.5		35 Sft
		1	10	2.5		25 Sft
						Total: - 115 Sft
44	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality 4" i/d (100 mm) 4.5mm thick					
	OHR to filtration plant	500				500 Rft
45	Electrification + Public Health + Sui Gas (Plinth Area Rates 2nd BI Annual 2020 Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/190/D, Dated 15.01.2021 for 1st Bi Annual Period 1st January 2021 to 30th June 2021					2/81/
i	Covered Area for Electrification					66681 Sft
ii	Covered Area for Public Health					2181/
	ground floor					42000 Sft

Sr. No.	ITEM OF WORK	No	MEASUREMENTS			Qty.	
			L	B	H		
	first floor					24594	Sft
						86694	Sft
	Deduction of Old Material					Total	
1	Old Doors with Chowkat						
	Same Qty as per Item No. 11					36	No.
2	Old Windows						
	Same Qty as per Item No. 17					16	No.

7 
Sub Divisional Officer
Building Sub Division
FatehJang


Executive Engineer
Buildings Division
Attock

DETAIL OF FRONT ELEVATION


1	Dismantling glazed or encaustic tiles									
	Front Portion	1	21.5	12.5				269	Sft	
							Total: -	269	Sft	
			@ Rs.	2335.85	%0Sft					6283
2	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.									
	Slab	1	21.5	6	0.41			53	Cft	
	Pardi	1	21.5	5	0.375			40	Cft	
							Total: -	93	Cft	
			@ Rs.	11174.6	%0Cft					10392
3	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.									
	Columns	4	4	4	3			192	Cft	
	B/F side PP Toe Wall	1	23.5	2	1			47	Cft	
	L/R Side PP Toe Wall	2	13	2	1			52	Cft	
							Total: -	291	Cft	
			@ Rs.	10677.75	%0Cft					3107
4	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1:6:12									
	Columns	4	4	4	0.75			48	Cft	
	Front Toe Wall	1	21.5	2	0.5			22	Cft	
	L/R Side PP Toe Wall	2	14.25	2	0.5			29	Cft	
							Total: -	99	Cft	
			@ Rs.	21178.45	%Cft					20967
5	Pacca brick work in foundation and plinth in Cement, sand mortar Ratio 1:6									
	B/F side P.P. Toe Wall	1	21.5	0.75	2			32	Cft	
	L/R Side P.P. Toe Wall	2	14.25	0.75	2			43	Cft	
	Front Steps									
	1st Step	1	21.25	3	0.5			32	Cft	
	2nd Step	1	21.25	2	0.5			21		
	3rd	1	21.25	1	0.5			11	Cft	
	Side Steps									
	1st Step	2	12	3	0.5			36	Cft	
	2nd Step	2	13	2	0.5			26	Cft	
	3rd	2	14	1	0.5			14	Cft	
							Total: -	215	Cft	
			@ Rs.	30137.00	%Cft					64795
6	Filling, watering and ramming earth under floors with surplus earth from foundation, etc.									
		1	20	15	0.67			200	Cft	
							Total: -	200	Cft	
			@ Rs.	5090.45	%0Cft					1018
7	Supplying and filling sand under floor; or plugging in wells.									
		1	20	15	0.33			99	Cft	
							Total: -	99	Cft	
			@ Rs.	2583.30	%Cft					2557
8	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.									
	Floor	1	20	15	0.33			99	Cft	
	Ramp	2	20	4	0.75			120	Cft	
							Total: -	219	Cft	
			@ Rs.	9464.40	%Cft					20727
9	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4									
		1	21.5	15	0.16			52	Cft	
							Total: -	52	Cft	
			@ Rs.	36753.30	%Cft					19112
10	Providing and laying ¾" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over ¾" 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 Granite									
	Floor	1	21.5	21				452	Sft	
	Front Steps Tread	3	21.5	1				65	Sft	
	Front Steps Riser	3	21.5	0.5				32	Sft	
	Side Steps Tread	6	13	1				78	Sft	
	Side Steps Riser	6	13	0.5				39	Sft	
	Ramp Side	2	20	0.75				30	Sft	


								Total: -	549 Sft		
				@ Rs.	1308.85	Sft					718559
11	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (Non-Skid Chequered Tiles) 300mmx300mm										
	Ramp		2	20	4				160	Sft	
								Total: -	160	Sft	
				@ Rs.	211.40	Sft					33824
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 gopies fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.										
	Ramp		2	20	2.75				110	Sft	
								Total: -	110	Sft	
				@ Rs.	2361.45	Sft					259760
13	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix 1: 1½: 3)										
	Columns		4	3.5	3.5	1			49	Cft	
	Columns		4	1.5	1.5	16			144	Cft	
								Total: -	193	Cft	
				@ Rs.	594.15	P. Cft					114671
14	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: (1:2:4)										
	F/B Beams		2	21.5	1.5	1.5			97	Cft	
	L/R Beams		2	21.75	1.5	1.5			98	Cft	
	Slab		1	21.5	21.75	0.416			195	Cft	
	Shades		18	4	3.125	0.25			56	Cft	
								Total: -	446	Cft	
				@ Rs.	537.50	P. Cft					239725
15	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars (Grade-40)										
	Same Qty as item No. 4		12	193	6.75	0.4536			591	Kg	
	Same Qty as item No. 7		13	446	9	0.4536			1821	Kg	
								Total: -	2412	Kg	
				@ Rs.	31418.20	%Kg					757807
16	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.										
			1	4	3.125				13	Sft	
				@ Rs.	12153.6	%Sft					1580
17	Pacca brick work in ground floor cement, sand mortar Ratio 1:6										
	Front		1	21.5	1.5	3.5			113	Cft	
	Back		1	21.5	0.75	3			48	Cft	
								Total (A): -	161	Cft	
	Side Portion										
	Arches		9	3	1.125	6			182	Cft	
	Openings		6	3.5	0.75	9			142	Cft	
	Pardi		18	3.125	0.25	6			84	Cft	
	Long Pardi		9	3.125	0.25	13			91	Cft	
								Total (B): -	499	Cft	
								Balance (A+B): -	660	Cft	
				@ Rs.	32320.85	%Cft					213318
18	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3										
	F/B Beams		2	21.5	1.5				65	Sft	
	L/R Beams		4	21.75	1.5				131	Sft	
	Slab		1	21.5	21				452	Sft	
	Shades		18	4	3.125				225	Sft	
								Total: -	873	Sft	
				@ Rs.	3699.40	%Sft					32296

19	Cement plaster 1:5 upto 20' (6.00 mm) height ½" (13 mm) thick							
	Front	1	21.5		3.5		75	Sft
	Back	2	21.5		4.5		194	Sft
	Arch work	9	3		6		162	Sft
	Openings	6	3.5		9		189	Sft
						Total: -	620	Sft
			@ Rs.	3082.50	%Sft			19112
20	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick							
	Front	1	118	14			1652	Sft
	Pardi	18	3.125	0.25	6		84	Sft
	Long Pardi	9	3.125	0.25	13		91	Sft
						Total: -	1827	Sft
			@ Rs.	3232.95	%Sft			59066
21	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.							
	Front	9	4		6		216	Sft
						Total: -	216	Sft
			@ Rs.	1348.4	P. Sft			291254
21	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.							
	Front	9	2		6		108	Sft
						Total: -	108	Sft
			@ Rs.	493.05	P. Sft			53249
22	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars							
	Front	9	4		6		216	Sft
						Total: -	216	Sft
			@ Rs.	854.8	P. Sft			184637
23	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:							
	Top Black	1	118	2			236	Sft
	Windows Shade	36	4	3.125			450	Sft
	Windows Pardi	18	3.125		6		338	Sft
						Total: -	1024	Sft
			@ Rs.	5245.30	%Sft			53712
23	Preparing surface and painting with emulsion paint:- three coats i/c Priming coat of chalk under distemper.							
	Front	1	21.5		4.5		97	Sft
	Back	1	21.5		4.5		97	Sft
	Slab	1	21.5	21			452	Sft
	F/B Beams	2	21.5	1.5			65	Sft
	L/R Beams	4	21.75	1.5			131	Sft
	Arch work	9	3		6		162	Sft
	Openings	6	3.5		9		189	Sft
						Total: -	1193	Sft
			@ Rs.	3184.10	%Sft			37986
24	Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"x1-1/2" GI angle Iron at specified intervals filling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.							
	Columns	4	6		8.5		204	Sft
	Front	1	21.5		6		129	Sft
	Openings	6	3.5		12		252	Sft
	Windows Pardi	9	1.125		14.5		147	Sft
						Total: -	732	Sft
			@ Rs.	570	P. Sft			417240

25	Providing And Laying Of Natural Stone Tile Golden Colour 4"x2" Size With Lazer Cutter Having Rectangle Shape 3/8 To 1/2" Thick Laid In Classical Pattern By Providing 3/8" Wide Groove On Horizontally And Vertically Laid With Cement Sand Mortor 1:3 I/C Filling Joints With Pigment As Directed By The Engineer Incharge.							
	Arches		9	18	6			972 Sft
							Total: -	972 Sft
				@ Rs.	300	P. Sft		291600
26	Providing And Fixing Of Aluminium Backlit Letters, With White Acrylic, With Ima Led I/C Fixation With M/S Pipe 1" X 1" Swg 20 With Dubond Cladding Box Complete In All Respect & As Approved By The Engineer Incharge.							
	Front			21.5	4			.86 Sft
							Total: -	86 Sft
				@ Rs.	9100	P. Sft		782600
								4419354
						G. Total: -	Rs.	4740964
				Add 3 % Contingency Charges				132581 141328.6
							Total	4852283
							Say	4852000

4551935-



Sub Divisional Officer
 Buildings Sub Division
 FatehJang



Executive Engineer
 Buildings Division
 Attock

ABSTRACT OF COST

CONSTRUCTION OF ROOM FOR FILTRATION PLANT

Sr No	Description	Amount
1	Construction of Room for Filtration Plant	3615000
2	Electric Installation	72000
3	Detail of Water Supply Network	800000
	G.Total :	4487000
	Add 3% Contingency:	134610
	G.Total :	4621610


Sub Divisional Officer
Building Sub Division
FatehJang



Executive Engineer
Buildings Division
Attock

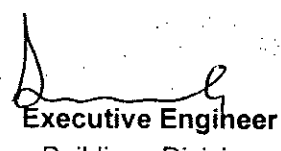
ABSTRACT OF COST
CONSTRUCTION OF ROOM FOR FILTRATION PLANT

Sr No	Description	Qty	Unit	Rate	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil	1375	%0Cft	11949.45	16430
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	366	%Cft	21178.45	77513
3	Pacca brick work in foundation and plinth in Ratio 1:6	662	%Cft	30137	199507
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	94	P.Cft	438.75	41243
5	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40	288	%Kg	31418.2	90484
6	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	89	%Sft	8600.8	7655
7	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick	129	%Sft	5514.55	7114
8	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	1083	%Cft	32320.85	350035
9	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio	352	P.Cft	537.5	189200
10	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40	1078	%Kg	31418.2	338688
11	Cement plaster 1:5 upto 20' height ½" thick	1177	%Sft	3082.5	36281
12	Cement plaster 1:4 upto 20' height ½" thick	1353	%Sft	3232.95	43750
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	615	%Sft	3699.4	22747
14	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	917	%0Cft	5090.45	4668

Sr No	Description	Qty	Unit	Rate	Amount
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside. 3 mile	0	%0Cft	18484.85	0
16	Supplying and filling sand under floor, or plugging in wells.	152	%Cft	2583.3	3927
17	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	218	%Cft	9464.4	20632
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	74	%Cft	36753.3	27197
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick	328	%Sft	6927.1	22721
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	197	P.Rft	19.8	3901
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¼"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	90	P.Sft	1,605.35	144482
22	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	34	P.Sft	502.2	17075
23	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mmx 600 mm	460	P.Sft	340.35	156561

Sr No	Description	Qty	Unit	Rate	Amount
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	104	P.Sft	340.35	35396
25	Distempering new surface two coats with primary coat of chalk	1177	%Sft	1283.5	15107
26	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 coat	1508	%Sft	5245.3	79112
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	207.15	1657
28	Providing and fixing M.S. flat 1/2"x1/8" (13mm x 3mm) grill including 3/4" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	8	P. Sft	492.15	3937
29	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1/2"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement 1/2"(13 mm) thick	142	%Sft	20953.65	29754
30	P/F Resevse osmosis Drinking water filtration plant capacity 500-600 ltr LPH with blending UF membrane complete in all respect as approved and directed by Engineer Incharge	1	P. Job	1627920	1627920
				Total	3614694
				Say	3615000


 Sub-Divisional Officer
 Building Sub Division
 FatehJang



 Executive Engineer
 Buildings Division
 Attock


CONSTRUCTION OF ROOM FOR FILTRATION PLANT

S.#	Description	N	L	B	H	Qty	Unit
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.						
	H/Wall	3	24.125	3	3	651	Cft
	V/Wall	2	18.125	3	3	326	Cft
		2	3.125	3	3	56	Cft
						1033	Cft
	P.P	2	26.75	1.5	2	161	Cft
		2	30.125	1.5	2	181	Cft
						342	Cft
					Total	1375	Cft
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12						
	H/Wall	3	24.125	3	0.75	163	Cft
	V/Wall	2	18.125	3	0.75	82	Cft
		2	3.125	3	0.75	14	Cft
	P.P	2	26.75	1.5	0.333	27	Cft
		2	30.125	1.5	0.3333	30	Cft
		1	22.25	4.5	0.5	50	Cft
					Total	366	Cft
3	Pacca brick work in foundation and plinth in Ratio 1:6						
	H/Wall	3	23.375	2.25	0.25	39	Cft
		3	23	1.875	0.25	32	Cft
		3	22.625	1.5	0.25	25	Cft
		3	22.25	1.125	3	225	Cft
	V/Wall	2	16.875	2.25	0.25	19	Cft
		2	17.25	1.875	0.25	16	Cft
		2	17.625	1.5	0.25	13	Cft
		2	18	1.125	3	122	Cft
	V/Wall Veranda	2	3.875	2.25	0.25	4	Cft
		2	4.25	1.875	0.25	4	Cft
		2	4.625	1.5	0.25	3	Cft
		2	5	1.125	3	34	Cft
	steps	1	22.25	4.5	0.5	50	Cft
		1	22.25	3.375	0.5	38	Cft
		1	22.25	2.25	0.5	25	Cft
		1	22.25	1.125	0.5	13	Cft
					Total	662	Cft
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects Type C (nominal mix 1: 2: 4)						
	P/Beam H/Wall	3	22.125	1.125	0.75	56	Cft
	V/Wall	2	18	1.125	0.75	30	Cft
		2	5	1.125	0.75	8	Cft
					Total	94	Cft
5	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.						
	Same Qty as above	1	94	6.75	0.454	288	Kg
					Total	288	Kg
6	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick						
		2	22.25	1.125		50	Sft
		2	18	1.125		41	Sft
		3	1.125	1.125		4	Sft
					Total	95	Sft
	D/d	1	5	1.125		6	Sft
					Total	89	Sft
7	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ½" thick						
		2	18	1.5		54	Sft
		2	20	1.5		60	Sft
		2	5	1.5		15	Sft
					Total	129	Sft

S.#	Description	N	L	B	H	Qty	Unit
8	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6						
	H/Wall	2	22.25	1.125	12	601	Cft
	V/Wall	2	18.25	1.125	12	493	Cft
	Above	1	22.25	1.125	3.5	88	Cft
		2	5	1.125	3.5	39	Cft
	Pillar	3	1.125	1.125	8.5	32	Cft
					Total	1253	Cft
	Deduction Window	3	5	1.125	6	101	Cft
	Door	1	5	1.125	8.5	48	Cft
	Lintel	1	6	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	170	Cft
					Net Qty	1083	Cft
9	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio						
		2	25.25	29.375	0.417	618	Cft
		1	22.25	1.125	1	25	Cft
		1	6.5	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	664	Cft
10	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.	664	6.75	0.4536		2033	Kg
11	Cement plaster 1:5 upto 20' height ½" thick						
		2	20	12		480	Sft
		2	18	12		432	Sft
		1	20	8		160	Sft
		2	5	3.5		35	Sft
		1	20	3.5		70	Sft
					Total	1177	Sft
12	Cement plaster 1:4 upto 20' height ½" thick						
	Outer walls	2	22.25	14.5		645	Sft
		2	20.25	14.5		587	Sft
		2	6.125	3.5		43	Sft
		1	22.25	3.5		78	Sft
					Total	1353	Sft
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio						
		1	20	18		360	Sft
		1	20	5		100	Sft
	Shade	2	29.375	1.5		88	Sft
		2	22.25	1.5		67	Sft
					Total	615	Sft
14	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	1375			2/3	917	Cft
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile						
	Room	1	20	18	1.75	630	Cft
	Ver.	1	20	5	1.75	175	Cft
					Total	805	Cft
	Deduction (from Surplus earth)				(-)	917	Cft
					Total	0	Cft
16	Supplying and filling sand under floor; or plugging in wells.						
		1	20	18	0.33	119	Cft
		1	20	5	0.33	33	Cft
					Total	152	Cft
17	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects						
		1	20	18	0.33	119	Cft
		1	20	5	0.33	33	Cft
		2	30.875	2.25	0.25	35	Cft
		2	27.75	2.25	0.25	31	Cft
					Total	218	Cft
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4						
	Floor	1	20	18	0.16	58	Cft

S.#	Description	N	L	B	H	Qty	Unit
		1	20	5	0.16	16	Cft
					Total	74	Cft
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 1½"(40 mm) thick						
		2	32.375	3		194	Sft
		2	22.25	3		134	Sft
					Total	328	Sft
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick						
		328			0.6	197	Rft
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1-½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¼"x1/8" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.						
		3	5	6		90	Sft
					Total	90	Sft
22	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.						
		1	5		6.875	34	Sft
					Total	34	Sft
23	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mm x 600 mm						
		1	20	18		360	Sft
		1	20	5		100	Sft
					Total	460	Sft
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x 600 mm						
		2	20		0.33	13	Sft
		2	18		0.33	12	Sft
		1	20		4	80	Sft
					Total	105	Sft
	D/d	1	4.5		0.33	1	Sft
					Total	104	Sft
25	Distemping new surface two coats with priming coat of chalk						
	Same Qty as per item No. 11					1177	Sft
26	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect new surface 2 coat						
	Same Qty as per item No. 12					1353	Sft
	Shade	2	29.375	1.5		88	Sft
		2	22.25	1.5		67	Sft
					Total	1508	Sft
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.						
		1	5	1.5		8	Sft
28	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mm x 3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.						
		1	5	1.5		8	Sft
29	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement ½"(13 mm) thick						
		1	20.25	7		142	Sft
30	P/F Reverse osmosis Drinking water filtration plant capacity 500-600 ltr LPH with blending UF membrane complete in all respect as approved and directed by Engineer Incharge						
		1				1	Job
					Total	1	Job


 Sub Divisional Officer
 Building Sub Division
 Fatehjang



 Executive Engineer
 Buildings Division
 Attock

CONSTRUCTION OF ROOM FOR FILTRATION PLANT

ELECTRIC INSTALLATION

Sr No	Description	Qty	Unit	Rate	Amount
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials				
i	25 mm i/d	50	P.Rft	94.6	4730
2	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only).				
i	3/0.029	300	P.Rft	25.7	7710
ii	7/0.036	50	P.Rft	21.7	1085
3	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
i	One way Gange Switch Small 03 Gange	2	Each	742.5	1485
ii	Large 06 Gange	3	Each	1162.5	3488
4	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	1	Each	67.8	68
5	Erection of ceiling fan along with regulator all size i/c carriage from local railway station / store to site of work electric wire / cable for suspending rod and board connection & cutting threading on rod where necessary	1	Each	462.5	463
6	S/E of ceiling fan 56" sweep complete in all respect	1	Each	7000	7000
7	Supply and erection of button holder	4	Each	104.15	417
8	P/F pannel board made of 18 SWG M.S sheet 12"x18" size housing of automatic miniatuere circuit breaker Fuji/Terrasaki with neutral link with the following breakers: (i) 6-10 Amp (S.P) 5 No. (ii) 11-20 Amp (SP) 2 Nos,(iii) 6-63 Amp (SP) 2 Nos. i/c 3 coats painting, cable connection, cost of volt meter, ampere meter, indicator bulb complete in all respect as approved and directed by the Engineer Incharge.	1	Each	43580	43580
9	Supply and erection of LED Bulb 12 Watt Complete in all respect as approved and directed by the Engineer Incharge.	4	Each	440	1760
				Total	71784
				Say	72000



 Sub-Divisional Officer
 Building Sub Division
 FatehJang



 Executive Engineer
 Buildings Division
 Attock

DETAIL OF WATER SUPPLY NETWORK FOR FILTRATION PLANT

ABSTRACT OF COST

S. No	Description	No	L	B	H	Qty	Rate	Unit	Amount
1	Excavation in trenches in all kind of soil, except cutting rock, for water supply pipelines upto 5 ft (1.5m) depth from ground level, i/c trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints etc complete in all respect.								
		1	1500	2	2	6000			
					Total	6000	7622.75	%0Cft	45737
2	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). PN-20 pipe (3/4")								
a	From Filtration room to distrubtion line 63 mm.	1000				1000			
					Total	1000	377.95	P.Rft	377950
b	---do--- 40 mm								
		700				700			
					Total	700	161.3	P.Rft	112910
c	---do--- 25 mm								
		1200				1200			
					Total	1200	66.5	P.Rft	79800
d	---do--- 20 mm								
	Point	800				800			
					Total	800	48.1	P.Rft	38480
3	Providing and fixing chromium plated bib cock: 2 cm (3/4")	10				10	Nos.		
					Total	10	1015	Each	10150
4	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.	20				20	Nos.		
	1/2" dia				Total	20	990	Each	19800
b	---do--- 1" dia.	24				24	Nos.		
					Total	24	1674	Each	40176
c	---do--- 3/4" dia.	52				52	Nos.		
					Total	52	1434	Each	74568
								Total	799571
								Say	800000


 Sub-Divisional Officer
 Building Sub Division
 FatehJang



 Executive Engineer
 Buildings Division
 Attock

ABSTRACT OF COST

FIRE ALARM SYSTEM

Sr No	Description	Amount
1	Construction of Room for Filteration Plant FIRE ALARM SYSTEM	6923124
	21811 @ 150/- G.Total :	3271650 6923124
	Add 11% Contractor Profit:	761544
	G.Total :	7684668
	Say	7685000 3271650/-


 Sub-Divisional Officer
 Building Sub Division
 FatehJang

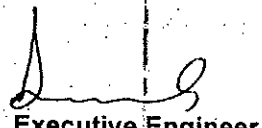

 Executive Engineer
 Buildings Division
 Attock

ABSTRACT OF COST

ATS SYSTEM AND PANELS


Sr No	Description	Amount
1	Low Voltage Switch Gear as per Schedule of Specifications	7766000 30025125
	G.Total :	30025125
	Add 11% Contractor Profit:	3302764
	G.Total :	33327889
	Say	33328000 7766000/-


Sub-Divisional Officer
Building Sub Division
FatehJang


Executive Engineer
Buildings Division
Attock

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

Sr No	Description	Amount
1	Construction of septic tank 3x244500	1895500
2	external sewerage	4933700
	G.Total :	6829200
	Say	6829000


 Sub Divisional Officer
 Building Sub Division
 FatehJang


 Executive Engineer
 Building Division
 ATTOCK

EXTERNAL SEWERAGE

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

Sewerline 1.5' dia

1x1800x4x5 6000 Cft

Total: 6000 Cft

@ Rs 11740.40 %o Cft

Rs. 70442 /-

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

1x1800x4x1.23 1476 Cft

Total:- 1476 Cft

@ 9464.40 % Cft

Rs. 139695 /-

- Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 460 mm (18") i/d

600 Rft

Total:- 600 Rft

@ 1181.80 P.Rft

Rs. 709080 /-

- Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 460 mm (15") i/d

400 Rft

Total:- 400 Rft

@ 960.50 P.Rft

Rs. 384200 /-

- Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe 5 line with 'B' Class working pressure pipe, in trenches, complete in all respects:- 4" i/d (100 mm)

1x2600

2000 Rft

Total:-

2600 Rft

@ 440.65 P.Rft

1145690

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

115 nos

115 Each

@ 543.55 Each

62508

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

115 nos

115 Each

@ 1586.00 Each

182390

- 8 Provision man Hole size 3.5 x 3.5 (Detailed Attached)

40 Nos

Total: 40 Nos

@ Rs 52400.00 Each

Rs. 2096000 /-

Total:

Rs. 4790005 /-

Add 3% contingency

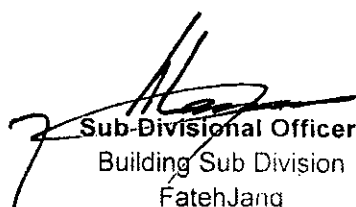
143700

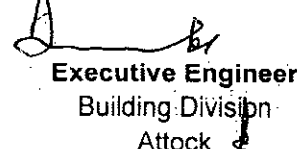
Total:

Rs. 4933705

Say:-

4933700 /-


Sub-Divisional Officer
Building Sub Division
FatehJang


Executive Engineer
Building Division
Attock

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

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

1x5.5x5x4

110 Cft

Total 110 Cft

@ Rs. 11740.40

% oCft

Rs 1291 /-

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

1x5.5x5x0.5

14 Cft

Total 14 Cft

@ Rs. 21178.45

% Cft

Rs 2965 /-

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

2x5.5x0.75x4

33 Cft

2x4x0.75x4

24 Cft

Total 57 Cft

@ Rs. 31221.85

% Cft

Rs 17796 /-

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

1x2(4+3.5)4

60 Sft

1x2(5.5+5)x0.75

16 Sft

Total 76 Sft

@ Rs. 3232.95

% Sft

Rs 2457 /-

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

1x4x3.5x0.25

4 Cft

Total 4 Cft

@ Rs. 36753.30

% Cft

Rs 1470 /-

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

1x5.5x5x0.5

14 Cft

D/d 22x(1.87)2x5/2

-1 Cft

Total 13 Cft

@ Rs. 537.50

% Cft

Rs 6988 /-

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

13x6.75 x 0.454

40 Kg

Total 40 Kg

@ Rs. 31418.20

% Kg

Rs 12567 /-

- 8 Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.

1 No

Total 1 No

@ Rs. 6847.00

Each

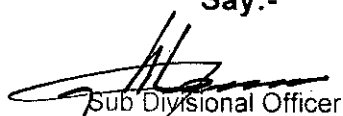
Rs 6847 /-


Total:-

Rs 52381 /-

Say:-

Rs 52400 /-


Sub Divisional Officer
Building Sub Division
FatehJang


Executive Engineer
Building Division
Attock

• • • •
•



CONSTRUCTION OF 2 NO. SEPTIC TANK 36'X12'

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

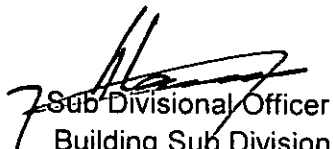

Sub Divisional Officer
Buildings Sub Division
Fatehjang



Executive Engineer
Buildings Division
Attock

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

Unit: Each

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
A)	MATERIAL						
1	Cost of LED Light (12 Watt)	1.00	No.	300	Each	Rs.	300
	TOTAL (A)					Rs.	300
B)	LABOUR						
i	Electrician Charges (30 Nos Energy Saver One day)	0.05	Day	1250	P.Day	Rs.	63
	Add 10% Sundries					Rs.	6
	TOTAL (B)					Rs.	69
	TOTAL (A+B)					Rs.	369
	Add 20% contractor profit.					Rs.	74
	G.TOTAL					Rs.	442
					Say	Rs.	440
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK							


 Sub Divisional Officer
 Building Sub Division
 FatehJang


 Executive Engineer
 Buildings Division,
 Attock

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

Analysis for 8.5'x2.75' = 23.375 Sft

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

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

@ Rs. 32320.85 %Cft

8403

- 2 Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick

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

@ Rs. 3232.95 %Sft

2392

- 3 Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over ¾" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. ¾" thick

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

@ Rs. 1308.85 P. Sft

98164

- 4 Providing and fixing Vin board cabinet ¾" thick with drawers 3" deep in Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges, screws etc., complete in all respects. 2' deep, with back

1	7.75	2.5	19 Sft
Total: -			19 Sft

@ Rs. 1174.2 P. Sft

22310

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

3	3.5	11 Sft
Total: -		11 Sft

@ Rs. 640 P. Sft

7040

- 6 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio

1	8.5	2	0.25	4 Cft
Total: -				4 Cft

@ Rs. 537.5 P. Cft

2150

- 7 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.

4	6.75	0.454	12 Kg
Total: -			12 Kg

@ Rs. 31418.2 %kg

3770


Total: - 144229

Total: - 144229

Rate P.Sft: - 6170.225

Say: - 6170


Sub Divisional Officer
Building Sub Division
FatehJang


Executive Engineer
Building Division
Attock

ANALYSIS OF RATE

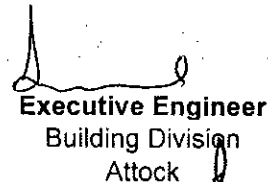
Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of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

1st July 2022 to 31st Dec 2022

Unit Rate P.Sft

Sr. No	Detail	Qty	Unit	Rate	Amount
A	MATERIAL				
1	DAMPA False ceiling 2'x2' i/c wire	100			
	Add: 5% Wastage	5			
	Total	105	P. Sft	280	29400
2	Aluminum Tee 1"x1/16"				
	2x6x10	120			
	Add: 5% Wastage	6			
	Total	126	Each	25	3150
3	Cost of Rawal plug (1 No) for 1 Sft	8	P.Dozen	30	240
4	Cost of Screw 1 1/4" size	8	P.Dozen	50	400
5	1/8" dia Rod 5' long 1 for 2Sft				
	50x5 = 252				
	225x 0.41x0.454 = 4.25	4.25	P.Kgs	42	179
			Total "A"		33369
B.	LABOUR				
1	Labour for fixing of frame i/c hanging wire upto 20' high	100	P.Sft	20	2000
2	Carriage of Material from factory to site			L.S	300
			Total		2300
	Add: 10% Sundries.				230
			Total "B"		2530
			Total A + B		35899
	Add: 20% Contractor Profit & O.H Charges				7180
			Total		43079
	Rate P.Sft	43079.00	\	100	430.79
			Say Rs. P.Sft		431


 Sub-Divisional Officer
 Building Sub Division
 FatehJang



 Executive Engineer
 Building Division
 Attock

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

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

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


Sub-Divisional Officer
Buildings Sub Division
FatehJang


Executive Engineer
Building Division
Attock


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

Area: 10x10= 100 Sft

Unit: P.Sft

S.#		Detail of Material	UNIT RATE P.Sft				AMOUNT	
			Quantity		Rate Per Unit			
1	Cost of Hygenic Antibacterial wall cladding (bio code uk) back stature GI from 18 Gauge 12mm thick gypsum board will be fixed on wall to apply 2mm thick antimicrobial wall oven 14 to 16mm thickness joint will be heat welded in same colour (as specified in quotation) as approved and directed by Engineer Incharge	1	No					
	Total:	1	No	1490.00	Each	Rs.	1490	
		TOTAL				Rs.	1490	
		Add 20% Contractor Profit				Rs.	298	
		TOTAL				Rs.	1788	
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK								


Sub Divisional Officer
Buildings Sub Division
FatehJang



Executive Engineer
Building Division
Attock

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

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



Sub-Divisional Officer
Building Sub Division
FatehJang




Executive Engineer
Building Division
Attock

Analysis of rates
Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

S.No.	Description	Quantity		Rate	Unit	Amount
Material.						
1	Cost Stainless steel corner beading angle 2"x2"x1/16" with imported double tape fixed i/c cutting fixing complete i/c labour complete	1.00	Rft	540	P.Rft	540
						Total
						540
						Add 20% contractor profit
						108
						Total "A"
						648
						Say Rs.
						640



Sub-Divisional Officer
 Buildings Sub Division
 FatehJang




Executive Engineer
 Building Division
 Attock

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

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

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


Sub Divisional Officer
Buildings Sub Division
FatehJang

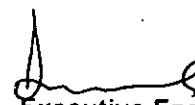

Executive Engineer
Building Division
Attock

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

Unit: Each

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


Sub Divisional Officer,
Buildings Sub Division,
FatehJang


Executive Engineer
Buildings Division,
Attock

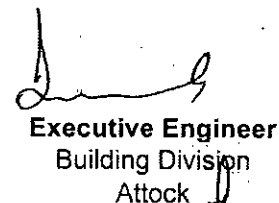
ANALYSIS RATE FOR P/F OF ANTISTATIC ANTIBACTERIAL VINYL FLOORING WITH
FIXATION ON FLOOR I/C CARRIAGE OF MATERIAL FROM MARKET TO SITE OF WORK
COMPLETE IN ALL RESPECT AS APPROVED/ DIRECTED BY THE ENGINEER INCHARGE

Area: 10x10= 100 Sft

Unit: P.Sft

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


Sub-Divisional Officer
Buildings Sub Division
FatehJang

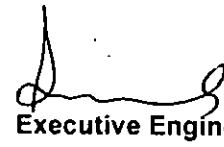

Executive Engineer
Building Division
Attock

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

Unit: Each

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


Sub Divisional Officer
Building Sub Division
FatehJang



Executive Engineer
Buildings Division
Attock

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

Unit: P.Sft
Area: 100 Sft

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


Sub Divisional Officer
Buildings Sub Division
FatehJang

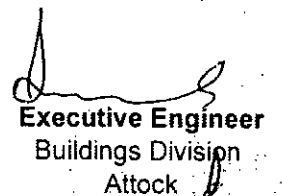

Executive Engineer
Buildings Division
Attock

Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire retardant core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" GI angle Iron at specified intervals filling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.

Unit: P.Sft
Area: 32 Sft

S.#	Detail of Material	UNIT RATE P.Sft			AMOUNT	
		Quantity	Rate Per Unit (Rs.)			
A	Material					
1	ACP Sheet Rocabond 4 mm Thick i/c Aluminium D29 Pipe (24 Rft.)	32	Sft			
	Add: 5% Wastage	1.6				
	Total:	33.6	380.00	P.Sft	Rs.	12768
	Carriage Charges (Lump Sum)					800
2	Cost of Rawal plug (1 No) for 1 Sft	32	P.Dozen	30	Rs.	960.00
3	Cost of Screw 1 1/4" size	32	P.Dozen	40	Rs.	1280.00
4	Scaffolding charges	20	Sft			
	Total:	20	10.00	P.Sft	Rs.	200
TOTAL A						16008
B)	LABOUR					
i	Labour Charges for Fixing of ACP Panel (Lump Sum)	32	Sft	25		800
TOTAL						800
	Add 10% Sundries					80
TOTAL					Rs.	880
TOTAL B					Rs.	880
TOTAL A+B					Rs.	16888
	Add Contractor's Profit 20%					3378
Grand Total						20266
			Rate P.Sft			633.30
			Say	Rs.		570.00
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the 2nd BI-ANNUAL-2022 (1st JULY-2022 to 31st December -2022) DISTRICT ATTOCK						


Sub-Divisional Officer
Buildings Sub Division
FatehJang



Executive Engineer
Buildings Division
Attock


RATE ANALYSIS FOR PROVIDING AND FIXING OF ALUMINIUM BACKLIT LETTERS, WITH WHITE ACRYLIC, WITH IMA LED I/C FIXATION WITH M/S PIPE 1" x 1" SWG 20 WITH DUBOND CLADDING BOX COMPLETE IN ALL RESPECT & AS APPROVED BY THE ENGINEER INCHARGE.

Unit: P.Sft
Area: 24 Sft

S.#	Detail of Material	UNIT RATE P.Sft			AMOUNT	
		Quantity	Rate Per Unit (Rs.)			
A	Material					
1	Aluminum Backlit Letters with white acrylic with IMA Led	24	Sft			
	Add: 5% Wastage	1.2				
		25.2	3500.00	P.Sft	Rs.	88200
2	MS Pipe 1" x 1" SWG 20 with Dubond cladding box	80	Sft			
	Add: 5% Wastage	4				
		84	900.00	P.Sft	Rs.	75600
3	Cost of Rawal plug (Lump Sum)		L.S		Rs.	1000
4	Cost of Screw 1 1/4" size (Lump Sum)		L.S		Rs.	1000
5	Scaffolding charges		L.S		Rs.	500
6	Carriage Charges				Rs.	20000
	Total:				Rs.	186300
TOTAL A					Rs.	186300
B)	LABOUR					
i	Labour Charges for Fixing of Aluminum Backlit Letters and ACM Box Fascia (Lump Sum)	24	Sft	100		2400
TOTAL (B)						2400
	Add 10% Sundries					240
TOTAL						2640
TOTAL B						2640
TOTAL A+B						188940
	Add Contractor's Profit 20%					37788
Grand Total						226728
			Rate P.Sft			9447.00
			Say	Rs.		9100.00

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the 2nd BI-ANNUAL-2022 (1st JULY-2022 to 31st DECEMBER-2022) DISTRICT ATTOCK


Sub Divisional Officer
Buildings Sub Division
FatehJang


Executive Engineer
Buildings Division
Attock

MINHAS SAFETY CONCERNS

Ref: MS/Q-005-6015-Isb

Date: 24-09-2022

QUOTATION

Attn : Mr. Atta	GST NO	07-02-8424-010-19
T H Q HOSPITAL	NTN NO.	1762110-7
FATEHJANG		


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

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

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

FOR MINHAS SAFETY CONCERNS

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



Executive Engineer
Buildings Division
ATTOCK

SCHEDULE OF SPECIFICATION FOR LOW VOLTAGE SWITCHGEAR

Project: Revamping of THQ Hospital Jand Attock.

L.V SWITCHGEAR: 14/16SWG mild steel sheet fabricated, free standing Wall/Floor Mounting, indoor, 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 65KA I/C at 415VAC conforming 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.

01 1250A MSB-1 & 2 with SPD (IP-64)

		02 SETs.		
Sr.	Description of Component	Make	Model	Quantity
A	INCOMING			
01	1250A TP MCCB 50KA	Terasaki/Legrand	S 1250SE	01 No.
02	Surge Protective Device 4P 100KA with Fuse.	Phoenix/Iskra	100KA	01 No.
03	Digital Volt Meter 0~600V	Entes/Schneider	96x96mm	01 No.
04	Volt Selector Switch	GGT/Camsco	4-Position	01 No.
05	Phase Indication Lights (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
06	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.

02 1250A LT PANEL WITH EMERGENCY

		01 SET.		
Sr.	Description of Component	Make	Model	Quantity
A	INCOMING-1			
01	1250A TP ACB 65KA	Terasaki/Legrand	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Legrand	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Legrand	UVT	01 No.
04	Shunt Trip for ACB	Terasaki/Legrand	ST	01 No.
05	Digital Volt Meter 0~600V	Entes/Schneider	96x96mm	01 No.
06	Volt Selector Switch	GGT/Camsco	4-Position	01 No.
07	Digital Ampere Meter 0~1250A	Entes/Camsco	96x96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco	4-Position	01 No.
09	Current Transformer 1200/5A	Fico/Metelx	RLC	03 Nos.
10	Phase Indication Lights (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
11	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.
12	Automatic Inter Locking System			01 Job.
B	OUTGOING-1			
01	630A TP MCCB 50KA	Terasaki/Legrand	S 630CE	03 Nos.
02	400A TP MCCB 36KA (SPARE)	Terasaki/Legrand	S 400CJ	03 Nos.
03	100A TP MCCB 25KA (SPARE)	Terasaki/Legrand	S 160SCF	03 Nos.
C	BUS COUPLER-1			
01	1250A TP ACB 65KA	Terasaki/Legrand	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Legrand	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Legrand	UVT	01 No.
04	Shunt Trip for ACB	Terasaki/Legrand	ST	01 No.
05	Phase Indication Lights (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
06	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.
D	INCOMING-2			
01	1250A TP ACB 65KA	Terasaki/Legrand	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Legrand	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Legrand	UVT	01 No.
04	Shunt Trip for ACB	Terasaki/Legrand	ST	01 No.
05	Digital Volt Meter 0~600V	Entes/Schneider	96x96mm	01 No.
06	Volt Selector Switch	GGT/Camsco	4-Position	01 No.
07	Digital Ampere Meter 0~1250A	Entes/Camsco	96x96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco	4-Position	01 No.
09	Current Transformer 1200/5A	Fico/Metelx	RLC	03 Nos.
10	Phase Indication Lights (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
11	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.
12	Automatic Inter Locking System			01 Job.

Sr.	Description of Component	Make	Model	Quantity
E	OUTGOING-2			
01	630A TP MCCB 50KA	Terasaki/Legrand	S 630CE	03 Nos.
02	400A TP MCCB 36KA (SPARE)	Terasaki/Legrand	S 400CJ	03 Nos.
03	100A TP MCCB 25KA (SPARE)	Terasaki/Legrand	S 160SCF	03 Nos.
F	BUS COUPLER-2			
01	1250A TP ACB 65KA	Terasaki/Legrand	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Legrand	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Legrand	UVT	01 No.
04	Shunt Trip for ACB	Terasaki/Legrand	ST	01 No.
05	Phase Indication Lights (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
06	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.
G	INCOMING-3 Form Synch Panel.			
01	1250A TP ACB 65KA	Terasaki/Legrand	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Legrand	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Legrand	UVT	01 No.
04	Shunt Trip for ACB	Terasaki/Legrand	ST	01 No.
05	Digital Volt Meter 0~600V	Entes/Schneider	96x96mm	01 No.
06	Volt Selector Switch	GGT/Camsco	4-Position	01 No.
07	Digital Ampere Meter 0~1250A	Entes/Camsco	96x96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco	4-Position	01 No.
09	Current Transformer 1200/5A	Fico/Metelx	RLC	03 Nos.
10	Phase Indication Lights (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
11	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.
12	Automatic Inter Locking System			01 Job.
H	OUTGOING-3			
01	400A TP MCCB 36KA	Terasaki/Legrand	S 400CJ	03 Nos.
02	250A TP MCCB 25KA	Terasaki/Legrand	E250SF	03 Nos.
03	100A TP MCCB 25KA	Terasaki/Legrand	S 160SCF	03 Nos.

03 200KVAR PFI PLANT

02.SETs.

Sr.	Description of Component	Make	Model	Quantity
01	Power Capacitors 25kVar	Enerlux/Iskra	PRT.4425	10 Nos.
02	Magnetic Contactor 50A AC3 for 25kvar	Terasaki/Legrand	TC-50a	10 Nos.
03	63/125A HRC Fuses with Bases	DF Electric/Eqv.	00	40 Nos.
04	Reactive Power Regulator 9-Step.	Entes/Eqv.	RGP-9	01 No.
05	ON Indication Lights	Schneider/Himel	Led Type	10 Nos.
06	ON/OFF Push Button.	Schneider/Himel	22mm	20 Nos.
07	Auxiliary Contactor	Terasaki/Legrand	4NO+4NC	03 Nos.
08	6A Control Fuse for Protection	Terasaki/Legrand	MCB Type	03 Nos.
09	Current Transformer 1200/5A	Fico/Metelx	RLC	01 No.
10	Auto/manual Switch (Main Off Auto)	GGT/Camsco	3-Step	01 No.
11	Surge Suppressors.	PEMPAK	220VAC	40 Nos.
12	Exhaust Fan with Cassettes.	Imported/Plastim	220VAC	01 No.
13	Temperature Regulator 0~60C	Alfa Electric/Plastim	THR-02	01 No.

04 Synchronizing & Load Sharing Panel.

01 SET.

Sr.	Description of Component	Make	Model	Quantity
A	INCOMING-1 & 2 From 1-200kva & 1-63 kva Genset-1 & 2.			02 Nos.
01	400A TP MCCB 36KA	Terasaki/Legrand	S 400CJ	01 No.
02	Magnetic Contactor 4P 400A AC3	Terasaki/Legrand	TC4-400a	01 No.
03	Synch & Load Sharing Module	DSE UK/Eqv.	8610	01 No.
04	Battery Dry 12/24VDC	Imported.	12/24VDC	01 No.
05	Battery Charges 12/24VDC	DSE UK/Eqv.	12/24VDC	01 No.
06	Auxiliary Contact Relay 8-Pin with Base	Finder/Iskra	8-Pin	05 Nos.
07	Digital Volt Meter 0~600V	Entes/Schneider	96x96mm	01 No.
08	Volt Selector Switch	GGT/Camsco	4-Position	01 No.
09	Digital Ampere Meter 0~400A	Entes/Camsco	96x96mm	01 No.
10	Ampere Selector Switch	GGT/Camsco	4-Position	01 No.
11	Current Transformer 400/5A	Fico/Metelx	RLC	03 Nos.

Sr.	Description of Component	Make	Model	Quantity
12	Auto/manual Switch (Main Off Auto)	GGT/Camsco	3-Step	01 No.
13	ON/OFF Selector Switch	GGT/Camsco	2-Step	01 No.
14	Emergency Stop Switch	Schneider/Himel	40mm	01 No.
15	Key Switch	Imported	22mm	01 No.
16	ON/OFF Push Button.	Schneider/Himel	22mm	02 Nos.
17	Phase Indication Lights (R+Y+B+ON+OFF)	Schneider/Himel	Led Type	05 Nos.
18	6A Control Fuse for Protection.	Terasaki/Legrand	MCB Type	03 Nos.
B OUTGOING				
01	1250A TP MCCB 50KA	Terasaki/Legrand	S 1250SE	01 No.
02	400A TP MCCB 36KA	Terasaki/Legrand	S 400CJ	01 No.

05 S.M.P.B-Normal (OT).

01 SET.

Sr.	Description of Component	Make	Model	Quantity
A INCOMING				
01	630A TP MCCB 36KA	Terasaki/Schneider	S 630CF	01 No.
02	Digital Voltmeter 0-600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco	4 Position	01 No.
06	Current Transformer 600/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
B OUTGOING				
01	160A TP MCCB 25KA	Terasaki/Schneider	S 160SCF	06 Nos.
02	100A TP MCCB 25KA (Spare)	Terasaki/Schneider	S 160SCF	01 No.

06 S.M.P.B-Normal (Wards).

01 SET.

Sr.	Description of Component	Make	Model	Quantity
A INCOMING				
01	400A TP MCCB 25KA.	Terasaki/Schneider	E400NF	01 No.
02	Digital Voltmeter 0-600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco	4 Position	01 No.

06	Current Transformer 400/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
B OUTGOING				
01	100A TP MCCB 25KA	Terasaki/Schneider	S 160SCF	05 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider	S 160SCF	02 Nos.

07 S.M.P.B-Normal (OPD).

01 SET.

Sr.	Description of Component	Make	Model	Quantity
A INCOMING				
01	400A TP MCCB 25KA	Terasaki/Schneider	E400NF	01 No.
02	Digital Voltmeter 0-600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
B OUTGOING				
01	100A TP MCCB 25KA	Terasaki/Schneider	S 160SCF	08 Nos.
02	100A TP MCCB 25KA (Spare)	Terasaki/Schneider	S 160SCF	02 Nos.

08 DBs-Normal (OT).

03 SETs.

Sr.	Description of Component	Make	Model	Quantity
A INCOMING				
01	160A TP MCCB 25KA	Terasaki/Schneider	S160 SCF	01 No.
02	Digital Voltmeter 0-600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
B OUTGOING				
01	32A TP MCB 6KA	Terasaki/Schneider	EPC	03 Nos.
02	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	27 Nos.

09 DBs-Normal (Wards).


03 SETs.

Sr.	Description of Component	Make	Model	Quantity
A INCOMING				
01	100A TP MCCB 10KA	Terasaki/Schneider	E100SF	01 No.
02	Digital Voltmeter 0-600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
B OUTGOING				
01	32A TP MCB 6KA	Terasaki/Schneider	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider	EPC	18 Nos.

10 DBs-Normal (OPD).

03 SETs.

Sr.	Description of Component	Make	Model	Quantity
A INCOMING				
01	100A TP MCCB 10KA	Terasaki/Schneider	E100SF	01 No.
02	Digital Voltmeter 0-600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
B OUTGOING				
01	32A TP MCB 6KA	Terasaki/Schneider	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider	EPC	18 Nos.


Executive Engineer
Buildings Division
ATTOCK

PERFECT ELEKTRO MEK
PAKISTAN (PVT.) LIMITED

PEMPAK

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

Ref: D/FM/506829/16752
September 22nd, 2022.

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

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

Dear Sir,

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

This Covering Letter.
Schedule of Prices.

The summary of our offer is as under.

Sr.	Description	Amount
01	Low Voltage Switchgear (As Per Given Schedule).	25,662,500.00
Total Amount of Offer (Excluding GST):		Pak Rs. 25,662,500.00
47% Add GST:		Pak Rs. 4,362,625.00
Net Amount of Offer (Including GST):		Pak Rs. 30,025,125.00
Pak Rupees: Thirty Million Twenty Five Thousand One Hundred Twenty Five Only		7766000

This offer is based on the following Terms and conditions:

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

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

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

Thanking you in Anticipation.

Perfectly yours,

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

Executive Engineer
Buildings Division
ATTOCK

Engr. Ahmed Fawad
Manager Marketing
0345-400-9981

PEMPAK

Quotation for L.V Switchgear.

Ms: The Executive Engineer

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

SCHEDULE OF PRICES FOR LOW VOLTAGE SWITCHGEAR

Project: Revamping of THQ Hospital Jand

PRICES:

Sr.	Description	Qty.	Rate	Amount
L.V SWITCHGEAR				
01	Synchronization PANEL	01 Set.	4,851,500.00	4,851,500.00
02	1250A MSB-1 & 2 with SPD (IP-64):	02 Sets.	940,000.00	1,880,000.00
04	1250A LT PANEL:	01 Set.	13,045,000.00	13,045,000.00
05	200KVAR PFI PLANT:	02 Sets.	1,592,000.0	3,184,000.0
06	S.M.P.B-Emergency+Normal (OT)	01 Set.	617,500.00	617,500.00
07	S.M.P.B-Normal (Wards)	01 Set.	427,500.00	427,500.00
08	S.M.P.B-Normal (OPD)	01 Set.	450,000.00	450,000.00
09	DBs-Emergency+Normal (OT)	03 Sets.	159,500.00	478,500.00
10	DBs-Normal (Wards)	03 Sets.	121,500.00	364,500.00
11	DBs-Normal (OPD)	03 Sets.	121,500.00	364,000.00

Total Amount of Offer All Equipment (Excluding GST):	Pak Rs.	26,602,500.00
--	---------	--------------------------

776000

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

Executive Engineer
Buildings Division
ATTACK

Engr. Ahmed Fawad
Manager Marketing
0345-400-9981

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010042
A/C To be Credited:Account-I

PKR Million

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

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010042
A/C To be Credited:Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

8. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	37.000	20.020	1.594	1.654	3.915	6.914	71.098
Utilization	18.561	19.461	1.558	1.444	3.609	0.502	45.138

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	5.000	5.000
Utilization	0	0	0	0	0	0	0

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

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

of gazette and non-gazette posts will be available for employment directly or indirectly.

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government

Impact of Delays on Project Cost and Viability

Delay in the implementation of the project will lead to increase in cost and increase financial burden on the Government and general population of Punjab. Since the project is one of the major needs and a long awaited desire of the community, therefore, Government of the Punjab contemplated plan for early execution of Revamping of Emergency Units. The delay will not only deprive the patients of the state of the art facility but also distort the public image of the Government.

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

The operation team will monitor the progress of the project and will hold regular weekly meeting to review the progress under the supervision of Project Director.

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

RISK DATA				Pre-Mitigation / Current Qualitative Assessment			MITIGATION
Risk Item No	Risk Description/Event	Cause	Effect / Consequences	Likelihood (1 to 3)	Impact (1 to 3)	Risk Score (1 to 9)	Mitigation / Actions
1	Due date for the completion of some hospital sites may be extended due to increase in scope from the Client	Direct instructions from the Medical Superintendents / Hospital Administration to revamp the remaining areas	Significant scope increase requested by the Hospital administration will result in: 1. Project delays 2. Contractor claims 3. Increase in project cost along with variations	3	3	9	Hospital administration is requested to finalize the scope during joint field visits of C&W and PMU
2	Various unexpected structural issues are being encountered	Unforeseen structural issues are expected to face during execution in hospital buildings approaching end of life	1. Stoppage of work 2. Performance of the Contractor has affected 3. Delays in the project	3	3	9	Various items which are unforeseen and expected to be used during execution may be taken in estimates so that those can be executed to address these issues
3	Change in management of the Client	Management change	Re-briefing is to be carried out	2	2	4	Acceleration of understanding for smooth and expeditious transition, without affecting the project
4	Financial Issues	Funds for these schemes should be provided as per the targets	1) Delay in tendering 2) Effect on quality as the Consultant supervision will not take place 3) Inconvenience to the patients	3	3	9	Approval of PCIs and early release of funds is requested
5	Nationwide spread of pandemic i.e. COVID-19 in 2nd and 3rd quarter of this year	Work delays during nationwide lockdown.	1) Delays in completion of works 2) Claim requests received by Contractor and Consultant	3	3	9	Contractor will be asked to depute fully vaccinated labor

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of New Management Structure is available in PC-I

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. KHIZAR HAYAT

Designation:Project Director, PMU P&SHD

Email:

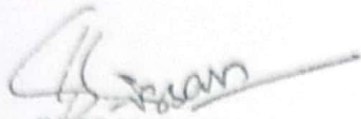
Tel. No.:

Fax No:

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

15. It is certified that the project titled "Revamping of THQ Hospital Fateh Shargh (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.

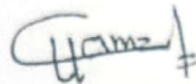
Prepared By:



(HISSAN ANEES)
DIRECTOR PLANNING & HR, PMU,
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

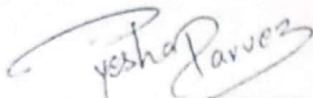


(RIZWAN SHOUKAT)
PROCUREMENT SPECIALIST, (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



(HAMZA NASEEM)
PROJECT MANAGER CIVIL, PMU,
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

Checked By:



(Dr. AYESHA PARVEZ)
DEPUTY PROJECT DIRECTOR (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



(KHIZAR HAYAT)
PROJECT DIRECTOR (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

Approved By:



(DR. IRSHAD AHMAD)
SECRETARY,
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
(042-99204567)
(Oct-2022)

