PC-1

Revamping of THQ Hospital, Chak Jhumra District Faisalabad

ORIGINAL APPROVED COST	**PKR Million. 331.501/-**
ORIGINAL APPROVED GESTATION	**24 Months** **Till June 2021**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Chak Jhumra District Faisalabad

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. FAISALABAD

2.2. TEHSIL(S)

I. CHAK JHUMRA

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5235
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

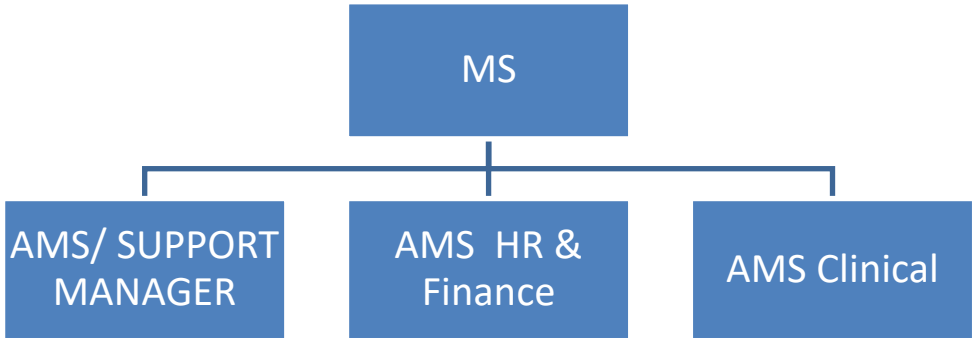
5.4.5 Security

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

5.6 HR & Management Interventions Structure

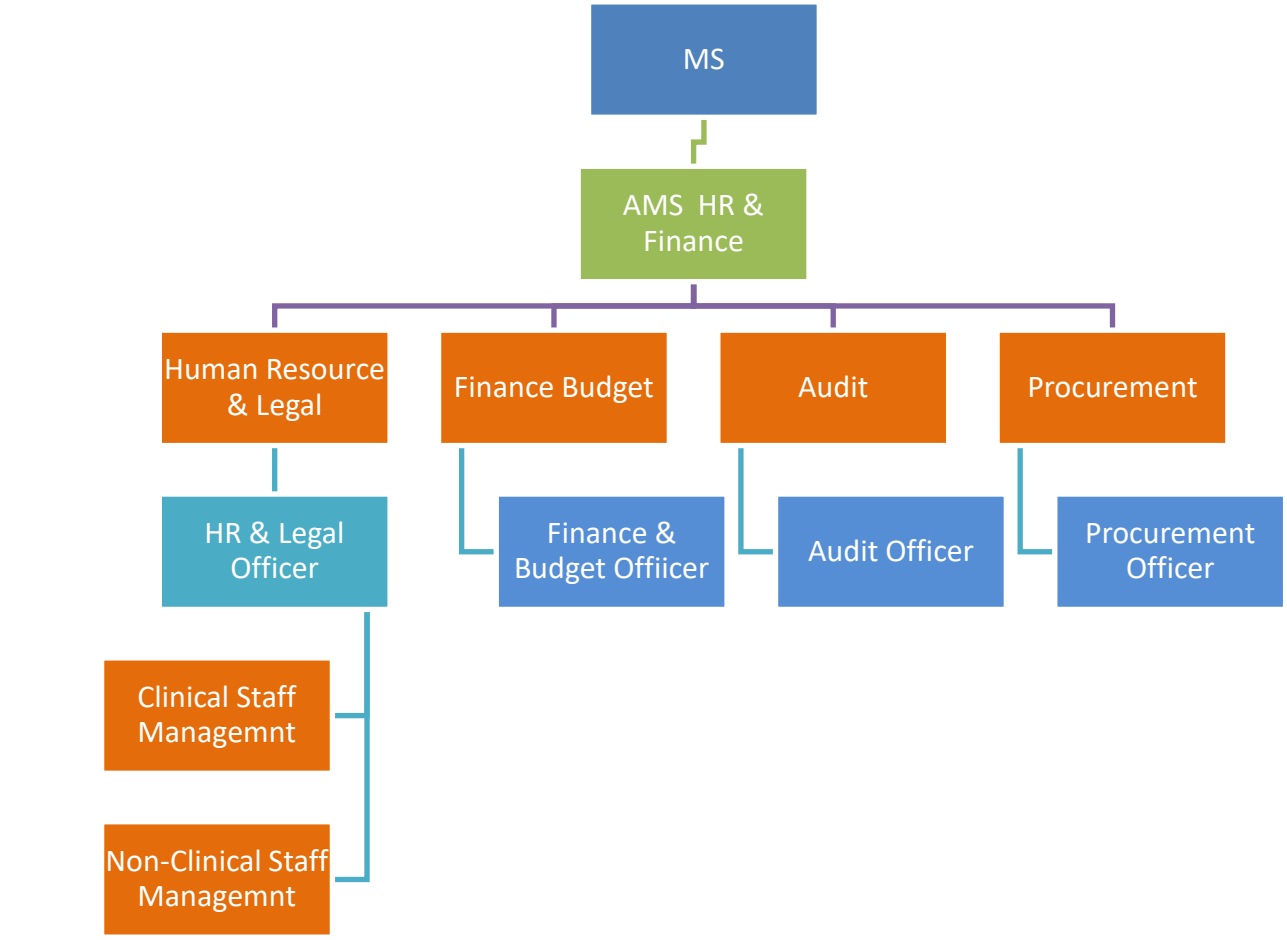
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

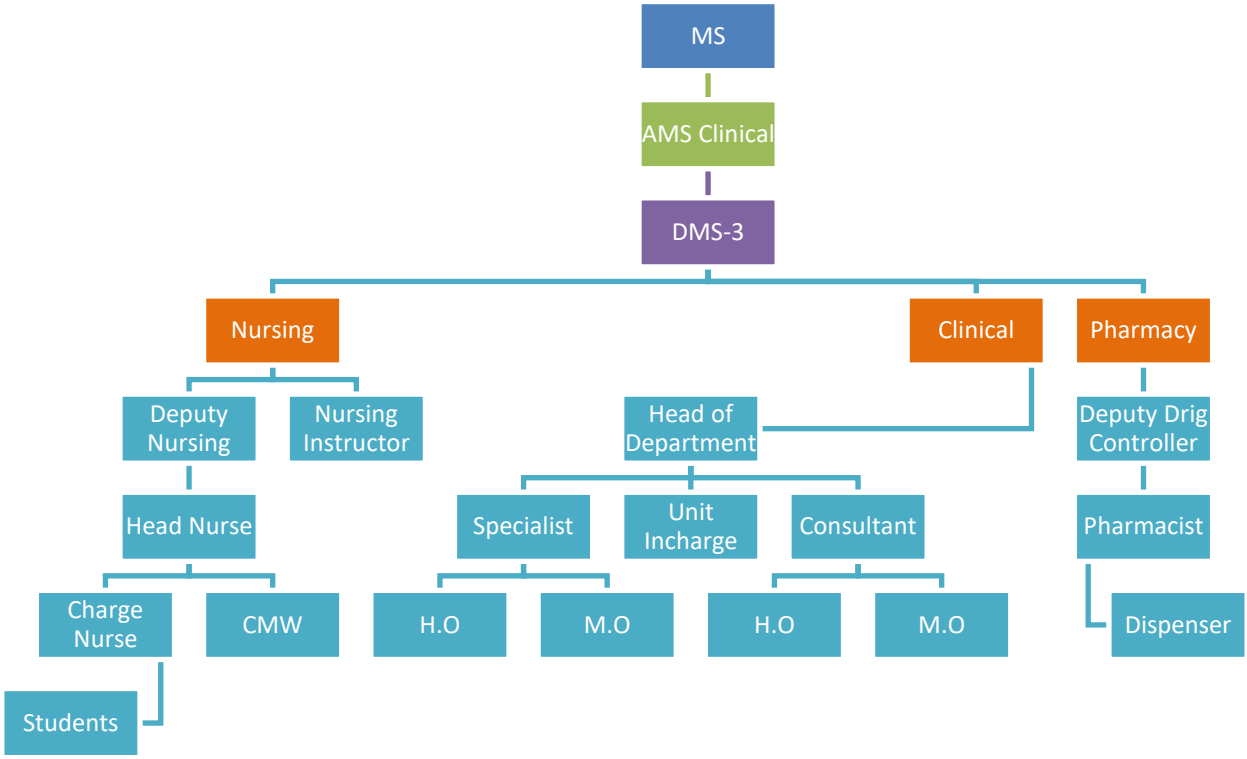
New Organogram of Hospital



MS

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


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


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

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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

   OR

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

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

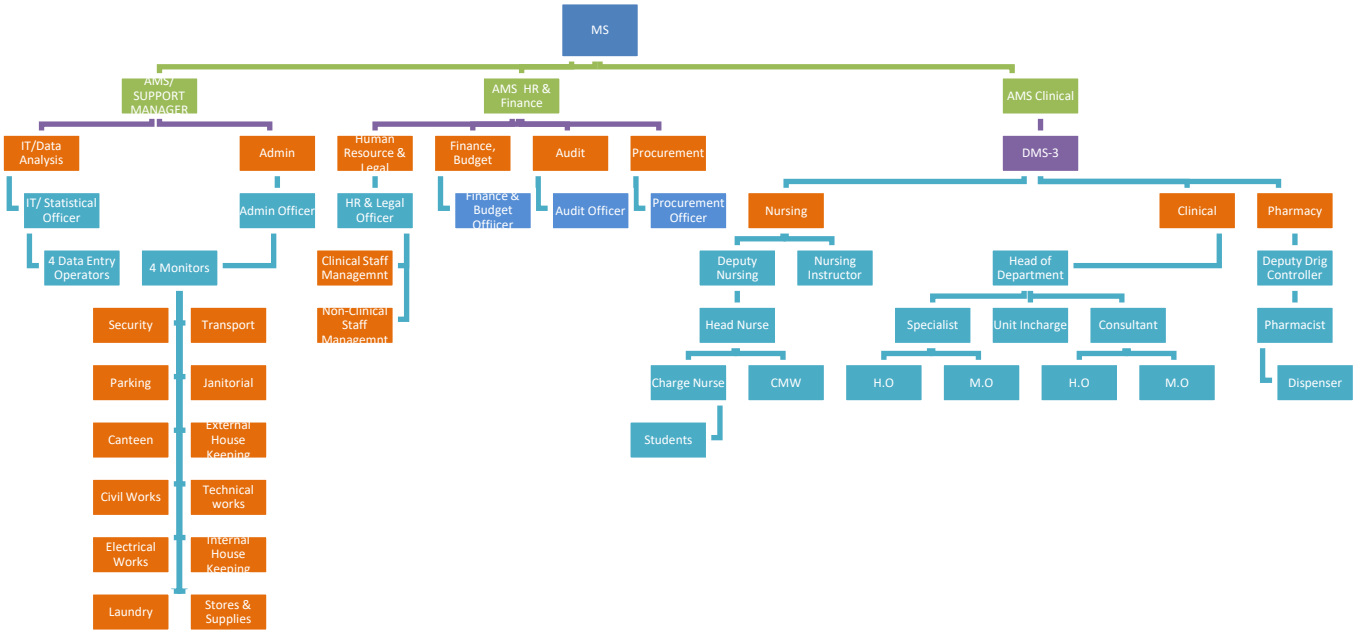
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Chak Jhumra District Faisalabad is more than 0.559 million. The area of the THQ Hospital Chak Jhumra District Faisalabad is 233,236 SFT land.

6.1 Description and Justification

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

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

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

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

Justification for 3rd Revision of PC-I

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

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

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

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

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

4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 48.733 million to Rs. 45.800 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17010559
A/C To be Credited: Assan Assignment

PKR Million

Sr #	Object Code	2019-2020		2020-2021	
		Local	Foreign	Local	Foreign
1	**A05270**-To Others	0.000	0.000	0.000	0.000
2	**A12403**-Other Buildings	0.000	0.000	0.000	0.000
Total		**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:LO21010593
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2019-2020		2020-2021	
		Local	Foreign	Local	Foreign
1	**A05270**-To Others	0.000	0.000	0.000	0.000
2	**A12403**-Other Buildings	0.000	0.000	0.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	THQ Chak Jhumra												
	Cost in million												
Scope of work	Original	1st Revised			2nd Revised			Amended 2nd Revised			3rd Revised		
	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component													
Internal Development	17.367	0.000	17.367	17.367	29.249	5.000	34.249	34.025	5.000	39.025	26.288	5.000	31.288
External Development	2.628	0.000	2.628	2.628	18.074	0.000	18.074	14.708	0.000	14.708	19.512	0.000	19.512
Water filtration plant	5.600	0.000	5.600	5.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	**25.594**	**0.000**	**25.594**	**25.594**	**47.323**	**5.000**	**52.323**	**48.733**	**5.000**	**53.733**	**45.800**	**5.000**	**50.800**
Emergency	19.687	0.000	19.687	19.687	0.000	26.796	26.796	0.000	26.796	26.796	0.000	45.651	45.651
MSDS	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	50.536	0.000	50.536	50.536	0.000	66.095	66.095	0.000	66.095	66.095	0.000	97.655	97.655
Electricity	10.961	0.000	10.961	10.961	0.000	10.961	10.961	0.000	10.961	10.961	0.000	19.961	19.961
IT & OMS & Surveillance	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	3.051	0.000	3.051	3.051	0.000	4.271	4.271	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	17.220	0.000	17.220	17.220	0.000	38.420	38.420	0.000	38.420	38.420	0.000	56.376	56.376
LC Deficit during procurement (currency fluctuation)						2.842	2.842		2.842	2.842		2.842	2.842
Total Revenue component	**139.721**	**0.000**	**139.721**	**139.721**	**0.000**	**190.857**	**190.857**	**0.000**	**190.857**	**190.857**	**0.000**	**280.701**	**280.701**
Outsourcing component													
Janitorial Services	12.107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	5.343	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	2.520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	3.689	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	8.735	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 outsourcing cost	**43.442**	**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	**208.757**	**0.000**	**165.315**	**165.315**	**47.323**	**195.857**	**243.180**	**48.733**	**195.857**	**244.590**	**45.800**	**285.701**	**331.501**
Contingency (1%) only on Civil Component	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	4.175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**213.188**	**0.000**	**165.315**	**165.315**	**47.323**	**195.857**	**243.180**	**48.733**	**195.857**	**244.590**	**45.800**	**285.701**	**331.501**

Emergency Equipment

				Orignal			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=5+S=0+E=5)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=5)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=5)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=5)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-		99,750	-		99,750	-		99,750	-
2		Chairs	0		26,775	-		26,775	-		26,775	-		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	5	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	5	15,750	78,750	5	15,750	78,750	5	30,000	150,000	5	30,000	150,000
7		Gurney WITH FOOT STEP)*(N)	3	5	420,000	2,100,000	5	420,000	2,100,000	5	460,000	2,300,000	5	800,000	4,000,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paeds &adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	2,500,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-		420,000	-		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-		259,350	-		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-		125,265	-		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-		420,000	-		-	-		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-		237,618	-		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-		302,605	-		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-		104,000	-		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-		301,665	-		550,000	-		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-		169,785	-		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-		15,750	-		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-		3,150	-		4,000	-		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-		5,250	-		8,000	-		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps*(N)	7	5	210,000	1,050,000	5	210,000	1,050,000	5	400,000	2,000,000	5	600,000	3,000,000
41	5	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	5	104,000	520,000	5	104,000	520,000	5	160,000	800,000	5	225,000	1,125,000
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	5	26,250	131,250	5	26,250	131,250	5	30,000	150,000	5	30,000	150,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000

Emergency Equipment

				Orignal			1st Revised			2nd Revised			3rd Revised		
Sr. No	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49		Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paeds with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52	Generalized	ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				**19,687,445**			**19,687,445**			**26,796,235**			**45,651,200**
						19.687	-	-	19.687	-	-	26.796	-	-	45.651

MSDS

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

MSDS

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

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1		Semi Auto Clinical Chemistry Analyzer	1	2	0	449,295	-	2	0	449,295	-	2	0	550,000	-	2	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	3	0	132,825	-	3	0	132,825	-	3	0	180,000	-	3	0	250,000	-
6	**Laboratory**	Water Bath	1	1	0	60,000	-	1	0	60,000	-	1	0	157,500	-	1	0	325,000	-
7		Hot air Oven	1	0	1	210,000	210,000	0	1	210,000	210,000	0	1	385,000	385,000	0	1	450,000	450,000
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,500	324,000	2	8	45,000	360,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	400,000	400,000
12		Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	#########	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15		Dental X-Ray	0	1	0	282,975	-	1	0	282,975	-	1	0	350,000	-	1	0	525,000	-
16	**X-Rays**	Lead apron and PPE	2	0	2	52,500	105,000	0	2	52,500	105,000	0	2	60,000	120,000	0	2	85,000	170,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20	**Ultrasound**	Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,500,000	-	0	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	5,500,000	5,500,000
22		ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25	**CCU**	ECG Machine Three Channel	2	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
29		Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30	**Blood Bank**	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
33	**Dialysis Unit (10 beds)**	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34		Baby Cot	10	8	2	14,669	29,337	8	2	14,669	29,337	8	2	16,000	32,000	8	2	16,000	32,000
35		Phototherapy Unit	2	2	0	130,200	-	2	0	130,200	-	2	0	655,000	-	2	0	850,000	-
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	1,050,000	2,100,000
37	**Nursery**	Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	225,000	1,350,000
38		Infant Incubator	2	1	1	858,932	858,932	1	1	858,932	858,932	1	1	900,000	900,000	1	1	1,750,000	1,750,000
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	2	0	125,265	-	2	0	125,265	-	2	0	215,000	-	2	0	300,000	-
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	1	1,200,000	1,200,000
43		Defibrillator	2	1	1	308,713	308,713	1	1	308,713	308,713	1	1	650,000	650,000	1	1	800,000	800,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45		Operation Table	1	2	0	1,426,215	-	2	0	1,426,215	-	2	0	2,000,000	-	2	0	2,500,000	-
46	**O.T (04)**	Ceiling Operating Light	1	1	0	413,013	-	1	0	413,013	-	1	0	800,000	-	1	0	950,000	-
47		STEAM STERILIZER	1	0	1	3,465,000	3,465,000	0	1	3,465,000	3,465,000	0	1	4,000,000	4,000,000	0	1	7,800,000	7,800,000
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	900,000	-
52		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	1	0	1,108,740	-	1	0	1,108,740	-	1	0	1,500,000	-	1	0	4,000,000	-
54	**Orthopedic**	Plaster Cutting Pneumatic	1	1	0	276,250	-	1	0	276,250	-	1	0	450,000	-	1	0	1,500,000	-
55		Pneumatic Tourniquets	0	1	0	262,500	-	1	0	262,500	-	1	0	262,500	-	1	0	300,000	-

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
56		Orthopedic Instruments	0	1	0	432,623	-	1	0	432,623	-	1	0	550,000	-	1	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,500,000	-	1	0	2,400,000	-

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
58	Gynea (20 beds)	Autoclave	1	1	0	441,000	-	1	0	441,000	-	1	0	550,000	-	1	0	850,000	-
59		Delivery Set	10	3	7	31,500	220,500	3	7	31,500	220,500	3	7	40,000	280,000	3	7	65,000	455,000
60		Delivery Table	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	55,000	-
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
62		D & C Set	2	1	1	34,650	34,650	1	1	34,650	34,650	1	1	40,000	40,000	1	1	60,000	60,000
63		Vaccume Extractor	1	1	0	259,350	-	1	0	259,350	-	1	0	300,000	-	1	0	350,000	-
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	900,000	900,000
67		Baby Cot	2	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000
68		Delivery trolly	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-
69		Desktop Fetal Heart Rate Detector	1	0	1	144,375	144,375	0	1	144,375	144,375	0	1	175,000	175,000	0	1	200,000	200,000
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	1	0	3,355,849	-	1	0	3,355,849	-	1	0	4,000,000	-	1	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	1	0	285,466	-	1	0	285,466	-	1	0	400,000	-	1	0	900,000	-
73		Suction Pump	0	1	0	259,350	-	1	0	259,350	-	1	0	275,000	-	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-
75		Set of Surgical Instruments	0	0	0	141,750	-	0	0	141,750	-	0	0	160,000	-	0	0	220,000	-
76	Others	Stretcher	10	3	7	68,250	477,750	3	7	68,250	477,750	3	7	69,300	485,100	3	7	69,300	485,100
77		wheel chair	10	3	7	31,500	220,500	3	7	31,500	220,500	3	7	35,000	245,000	3	7	35,000	245,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000
80		BP Appratus	15	1	14	15,750	220,500	1	14	15,750	220,500	1	14	16,000	224,000	1	14	16,000	224,000
81		Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	#########	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000
104	Dental Unit	Dental Unit	2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114	**Beds**	Fowler beds with Mattress	60	0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	150,000	9,000,000
		Total					**50,536,124**				**50,536,124**				**66,094,920**				**97,655,238**
							50.536				**50.536**				**66.095**				**97.655**

Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	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	-	1	9,000,000	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)	15	78,000	1,170,000	15	78,000	1,170,000	15	78,000	1,170,000	15	78,000	1,170,000
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"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800
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"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			**10,960,960**			**10,960,960**			**10,960,960**			**19,960,960**
				10.961			**10.961**			**10.961**			**19.961**

IT & QMS & Surveillance

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

Furniture and Fixtures

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

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	9,965	59,790	6	9,965	59,790	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,116	54,696	6	9,116	54,696	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	110,791	110,791	1	110,791	110,791	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,235	142,350	10	14,235	142,350	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,154	22,154	1	22,154	22,154	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,701	29,701	1	29,701	29,701	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,679	36,679	1	36,679	36,679	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,543	44,543	1	44,543	44,543	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,007	52,007	1	52,007	52,007	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,823	23,469	3	7,823	23,469	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	46,491	278,946	6	46,491	278,946	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	40,563	81,126	2	40,563	81,126	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,496	447,480	5	89,496	447,480	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	68,140	340,700	5	68,140	340,700	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	50,465	201,860	4	50,465	201,860	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	51,050	204,200	4	51,050	204,200	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,908	90,356	7	12,908	90,356	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,710	74,200	20	3,710	74,200	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	853	85,300	100	853	85,300	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,401	140,100	100	1,401	140,100	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,556	177,800	50	3,556	177,800	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,810	18,100	10	1,810	18,100	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,252	12,520	10	1,252	12,520	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,398	47,960	20	2,398	47,960	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,768	103,840	5	20,768	103,840	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,140	53,500	25	2,140	53,500	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	644	3,220	5	644	3,220	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,126	11,260	10	1,126	11,260	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	875	13,125	15	875	13,125	15	1,225	18,375	15	1,225	18,375
		Total			**2,961,773**			**2,961,773**			**4,146,482**			**4,146,482**
		Designing and Site Supervision			88,853			88,853			124,394			124,394
		Grand Total			**3,050,626**			**3,050,626**			**4,270,877**			**4,270,877**
					3.051			3.051			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

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**
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			**1,600,000**			**1,600,000**			**1,600,000**			**1,600,000**
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

			Original			1st Revised			2nd Revised				3rd Revised				
Sr. No.	**NAME OF POST**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**
1	ADMIN OFFICER	1	60,000	60,000	720,000	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			**4,860,000**	**17,220,000**		**4,860,000**	**17,220,000**			**5,040,000**	**28,140,000**				**5,273,000**	40,473,000
					17.220			**17.220**				**28.140**					**40.473**
	Utilization of HR Component							**10.280**				15.902558					
	Total of HR Component											**38.42**					**56.376**

Janitorial Services

	Original			From 1st Revised to onward
Assumptions				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residential area	27,321	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	4	Persons		
Road and ROW area	51,448	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	3	Persons		
Number of washroom blocks	11	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	4	Persons		
Total sweeper in morning shift	10	Persons		
Total number of sweepers in evening shift	6	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	5,579,483	
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)			**12,107,483**	

12.107

Security and Parking

	Original				From 1st Revised to onward
Assumptions					
Covered area excluding residences	27,321				
Covered Area per guard	15,000				
Number of guards	**2**				
Open area excluding parking area	51,448				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**3**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**11**				
Total number of all guards for second shift	**6**				
Lady Searcher	**2**				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**2**				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:
Total no. of Supervisors	**2**				**"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Type of 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	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				**5,443,200**	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				**400,000**	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				**5,343,200**	
				5.343	

Laundry Services

Original				From 1st Revised to onward
Number of beds	60			
Type of Item	**No of Beds**	**Per bed cost per year**	**Total Cost**	
No of Bed	60	30,000	1,800,000	
Transport Charges			1,200,000	
Total for laundry items			**3,000,000**	
Total			**3.000**	

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.

Maintenance of Generator

	Original			From 1st Revised to onward
Item Name	**Quantity**	**Cost per year**	**Total Cost**	
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	2	300,000	600,000	
Number of Generators (50 KVA)	-	175,000	-	
Repairs Cost	1	600,000	600,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			**2,520,000**	
			2.520	

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.

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**	
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**	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.
A/C	66	6,665	439,890	439,890	
Fridge	6	4,000	24,000	24,000	
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				**1,084,890**	
General Total				**3,688,890**	
				3.689	

Medical Gases

		Original				From 1st Revised to onward
Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	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.
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000	
Nitrous Oxide	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000	
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000	
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000	
Total					**1,304,400**	
					1.304	

Cafeteria

Pre-Fabrication Cateen (Procurement)

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

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
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazzed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazzed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwitched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
	Total Cost of Pre-Fabrication of Canteen Structure				**3,307,052**	
	Total Amount (Rs)				**4,532,121**	
22	Electrification				998,735	
23	Plumbing and Sanitory				410,000	
24	Kitching Fixtures				802,000	
	Grand Total Amount (Rs)				**6,742,856**	
					6.743	

LANDSCAPE DEVELOPMENT WORKS

COST ESTIMATE

		Original				From 1st Revised to onward
Sr. No.	**Description**	**Unit**	**Quantity**	**Unit Rate Rs.**	**Amount Rs.**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
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, Mimuspps, Pine, Ficus Amestal, 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	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	31,500	69	2,173,500	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	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), Hemercollis(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**					
	Excavation of walkways and edging including brick					

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original				From 1st Revised to onward
a	ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	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**					
	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**					
4.1	**Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	100	550	55,000	
4.2	**Medium Size** 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	
4.3	**Small Size** 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	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**7,256,468**	
	PRA(16%)				1,161,035	
	Design Consultancy				100,000	
	TPV (3%)				217,694	
	Grand Total				**8,735,197**	
					8.735	

PROVINCE	PUNJAB
DIVISION	EXECUTIVE ENGINEER BUILDINGSDIVISION, NO.2 FAISALABAD
SUB DIVISION	BUILDINGS SUB DIVISION CHAK JHUMRA
NAME OF WORK	**REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)**
ESTIMATED COST	45.800 **Rs. ~~44.508~~ (M)**

REVISED ROUGH COST ESTIMATE FRAMED BY THE EXECUTIVE ENGINEER, BUILDINGS DIVISION NO.2, FAISALABAD FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

HISTORY

The scheme cited as subject was originally approved for Rs.47.323 (M), dated: 09.11.2021 vide Secretary to Govt. of the Punjab Primary & Secondary Health Care, Lahore vide letter No.PO(D-II)Revamping/P-1/21, dated: 28.01.2022. Meanwhile MRS was changed, therefore amended estimate forward to Competent Authority and amended Administrative Approval was accorded vide Secretary to Govt. of Punjab P&SHC Department Lahore vide No.PO(D-II)Revamping/P-1/21, dated: 28.01.2022 amounting to Rs.48.733 (M) for capital component.

The detailed estimate has been technically sanctioned amounting to Rs.42.217 (M) vide Superintending Engineer, Buildings Circle No.1 Faisalabad vide letter No.238, dated: 10.02.202. Tender received / opened on 04.03.2022 and lowest bidder was awarded on below rates. Due to non submission of additional performance guarantee, the tender was cancelled by forfeiting 2% earnest money of the contractor.

Therefore this revised rough cost estimate amounting to Rs.~~44.508~~ 45.800 (M) has been framed for getting revised Administrative Approval from competent authority.

SCOPE OF WORK

The following scope of provided in this estimate: -

1. Renovation of Main Building
2. Construction of Sewerage system
3. Construction of Paved Area
4. External E.I

SPECIFICATIONS

The work will be carried out according to Buildings Specification of latest edition and to the entire satisfaction of the Engineer Incharge.

CARRYING OUT OF WORK

The work will be carried out through approved Contractor after calling competitive tenders.

RATES

This estimate based on MRS 2nd Biannual period 2022.

COST

Total cost of this scheme works out to Rs.~~44.508~~ 45.800 (M)

TIME

It will take about 12 Months to complete the work from the actual date of commencement.

LAND

There is no cost of land in this estimate; land is available by Client.

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 25-01-2022

ORDER

No.PO/D-II/Revamping/P-I/21: In supersession of this Department's order of even number, as per instructions issued by Planning & Development Board vide letter No.7(78)/PO(PB)/P&D/2021, dated 17.12.2021, the Governor of the Punjab is pleased to accord amended Administrative Approval of 04 sub- schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" GS No. 792 of ADP 2021-22 at a cost mentioned against each scheme, with already approved scope and gestation period upto 30-06-2023:

(Rs. in million)

Sr. No.	Hospital	Capital Component	Revenue Component	Total Cost
1.	Revamping of THQ Hospital Ahmedpur Sial District Jhang	36.785	191.004	227.789
2.	Revamping of THQ Hospital Kharian District Gujrat	16.992	202.032	219.024
3.	Revamping of THQ Hospital Thal (Nawaz Sharif Hospital) District Layyah	61.172	216.699	277.871
4.	Revamping of THQ Hospital Chak Jhumra District Faisalabad	48.733	195.857	244.590
5.	Revamping of THQ Hospital Jaranwala District Faisalabad	45.956	227.555	273.511
6.	Revamping of THQ Hospital Kahuta District Rawalpindi	42.575	199.102	241.677

The expenditure involved will be debitable under the following heacs of account:

Capital Component

Grant No.12042 (042) Government Building04-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 Seravices-0731-General Hospital Services -073101 General Hospital Services.

(IMRAN 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, Lahore.
4. Chief Engineer (North, Central, South Zones), Buildings Department, Lahore.
5. Project Director, Project Management Unit, P&SH Department.
6. District Accounts Officer, Concerned District
7. Chief Executive Officer, District Health Authority, Concerned District
8. Section Officer (Health-I), Finance Department.
9. Budget Officer-I & III, Finance Department.
10. All Planning Officer, P&SH Department.
11. PS to Secretary, P&SH Department.
12. PA to Special Secretary (Development), P&SH Department.
13. PA to Additional Secretary (Dev. & Fin.), P&SH Department.
14. PA to Additional Secretary (Dev. & Coord.), P&SH Department.

PLANNING OFFICER (D-II)

) MINUTES OF MEETING

Communication & Works Department

Meeting Title/Project: Kick-off Meeting THQ Hospital Chak Jhumra with PMU Team

Date: 17/03/2022 **Time:** 11:00 am

Location: THQ Hospital Chak Jhumra

ATTENDEES

NAME	Designation
Mr. Jawed Sulehria	Director Development, PMU.
Mr. FarhanWaheed	Director Infrastructure, PMU.
Mr. Hamza Naseem	Project Manager (Civil), PMU
Mr. Shahzaib Asif	Project Manager (Electrical), PMU.
Mr. Adnan Iqbal	Project Officer (Electrical), PMU.
Mr. Abdul Wasay	Sub-Divisional Officer (Building), C&W, Faisalabad
Mr. Mudassir	Sub-Engineer (Building), C&W, Faisalabad
Dr. Jahangir Ajmal	Medical Superintendent THQ Hospital Chak Jhumra
Mr. Muhammad Usman	Admin Officer THQ Hospital Chak Jhumra

MINUTES

Sr. #	AGENDA ITEM	Remarks
1	**Meeting Agenda:** 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work	
2	***1. Introduction:*** Mr.FarhanWaheed, Director Infrastructure, led the kick-off meeting for THQ ChakJhumra. He introduced his team to C&W and Hospital staff. SDO from C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. During the visit MS was of the view that old RHC building needs to be revamped with proper provision of waiting hall/reception for Queue Management System as at present the attendants get slip for OPD from an open area in rain and summer which is inhumane. Moreover MS said that they have enough Rooms and wards for patients especially after addition of two new multi storey buildings but medicine store is not available in the Hospital and at present the medical stock is stored in 2 x MO Residences with an area of approx.3200 sft and are fully packed thus creating an issue of availability of Residence for the Hospital Staff. Moreover the MS wanted to have an open drain for the proper rain water disposal after lowering down the level of shoulders.	
3	***2. Generalized Site Decision:***	

2.1 Internal Development(To be Executed in Unrevamped Areas)

a. **Flooring and Skirting/Dado**
Flooring and dado should be fixed inareas where existing tiles are damaged/ broken.

b. **Paint**
Paint work should be done in all areas.(Matt finish vinyl Emulsion Ash white)

c. **Windows**
All damaged windows should be replaced/repaired in all areas.

d. **Doors**
All damaged doors should be replaced/repaired or existing wooden doors should be repainted (Matt Finish Enamel paint ash white).

e. **UPVC doors**
All washroom doors (used for patient/attendants) should be replaced with UPVC doors.

f. **Seepage Mitigation**
All the areas facing seepage issues need to be assessed to locate the seepage source and it should be rectified accordingly.

g. **Internal Electrification Works**
All the internal electrical works including internal wiring, cables, switch boards, Power Plugs, DBs, and LEDs/SMDs need to be carried out according to the requirement.

2.2 External Development

a. **Sewerage System**
C&W to assess the existing sewerage system and work to be executed accordingly as per requirement.

b. **Water Supply System**
C&W to assess the existing water supply system and work to be executed accordingly as per requirement.

c. **Water supply system from Filtration Plant**
Moreover, location for Water points/connection for drinking water in hospital building will be provide by hospital administration to C& W and water supply line will lay accordingly.

d. **External Electrification Works**
- External Electrification works may be carried out including external 4 core cables (concealed) at following points:
  - ❖ Transformer to main panel and meter
  - ❖ Main panel boards to Distribution Panels in Main Building, G.Floor, F.Floor
  - ❖ Mian panel Board to Old Block
  - ❖ Main Panel to TB click
  - ❖ Main Panel to Mosque
  - ❖ For External Lights
  - ❖ For Mortury

	❖ For Turbine • Main Distribution Boxes, L.T Panel Board(s), Synchronizing / Load Sharing Control, 150 KVAR Automatic Power Factor Improvement Plant, Main Building and Old Building Panel Boards and Feeder Pillar Panel Board (If required) as per electrical load of Hospital. • Construction of Electrical Control Room for installation of main Panel Boards and connection of Electrical Supply to Hospital. • All extra wires should be removed. • All overhead cables should be laid underground either in conduits or trench. New boxes for some DBs should be installed. • All extra turnover switches and generator switches should be removed. • Mineral Based Complete Earthing System and Lightening Protection System for the Hospital to be provided as per standards. **e. Internal Electrification Works** • Aseparate SDB for ACs should be installed in each portion near existing SDBs. • Breakers and wires of DBs should be replaced as per requirement. **f. Roads** Existing Road conditions need to be re-assessed prior starting execution.	
4	***3. Specified Instructions Area-wise*** The following general decision were taken for THQ ChakJhumra; **3.1 Internal Development** **a. RHC Building** • Old RHC Building needs to be converted in to medicine store and Registration area as per the design shared. • New Registration Hall and Reception to be made for Queue Management System. • Provision of medical store to be made after widening of Rooms in existing building as discussed during the site visit with 2 by 2 full body porcelain tiles fixed at floor and wall dado tiles up to a height of 6". • MS windows in the RHC Building needs to be replaced with Aluminum windows. **b. THQ Building** • All existing floor tiles in corridor and rooms in which tiles are already fixed needs to be retained. • Full body porcelain tiles 2 ft. by 2 ft. Matching with the existing floor tiles fixed in corridor needs to be fixed in wards where terrazzo floor exists at present with wall dado tiles full body	

	porcelain 1ft. by 2ft. up to a height of existing wall dado tiles in corridors and as per matching with existing wall dado tiles in corridor. • All Public/ Attendants washroom needs to be revamped with full body porcelain tiles of size 2 ft. by 2 ft. on floor and full body porcelain 1 ft. by 2ft. on wall up to a height of 7ft. • Entrance door of all wards needs to be replaced with Aluminum doors. • Repainting the MS windows and replacing the damaged windows with Aluminum windows. • Provision of nursing counter with black tiles 2 ft. by 2ft. on wall and black marble granite top. Aluminum frame and glass to be fixed on top. • Provision of Aluminum fixed glass window in front of nursing counter for keeping a watch on patients inside the ward. • All existing wooden doors to be retained with Ash white Enamel paint on them. • Interior paint in entire building with Matt finish vinyl Emulsion Ash white. **3.2 External Development Works** a. Weather shield to be done for external walls of Clinical Building. b. Open drain with proper cover and openings to be made for proper collection and disposal of rain water by lowering down the raised shoulders and removing existing fiber shed as instructed by the MS. c. Dismantle the existing dangerous declared OHWT. d. Construction of new OHWT. e. Patch work with suitable material for main road and platform in front of Emergency to be done after complete assessment of road f. Provision of water supply system as per requirement after complete assessment and replace where required as per water demand of the Hospital. g. Repair/Rectification to be made in Existing Sewerage system along with its proper disposal as per requirement after complete assessment of whole sewerage system and replace where required as per sewerage disposal of Hospital. Running/flowing sewage lines or working man holes must be retained. h. Façade design will be shared by PMU with Building Department and same needs to be executed at Site. i. Connection of existing filtration plant with hospital at different point identified by MS of the Hospital.	
5	***4. Priority of work*** **4.1 Priority 1** • **3.1a, b. 3.2 b, c, d, f, g, h.** **4.2 Priority 2** • **3.2 a, e, i.**	

Project Officer (Electrical) **PMU, P & SHD**	**Project Manager (Civil)** **PMU, P & SHD**
Admin Officer **THQ Hospital Chak Jhumra**	**Medical Superintendent** **THQ Hospital Chak Jhumra**
Senior Sub Engineer **Buildings Sub Division,** **Faisalabad**	**Sub Divisional Officer** **Buildings Sub Division** **Faisalabad**

Approved by:

Director Infrastructure
PMU, P & SHD

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

Name of Work:-

1) Administrative Approval:-

Amount. Rs.48.733 Million.

No. & Date PO(D-II)Revamping/P-I/21 Primary & Secondary Healthcare Department Government of the Punjab Dated Lahore the 28-01-2022

2) Amount of Revised Rough Cost Estimate. Rs. 44.508 Million.

Sl.No.	Description of Items	Amount As per Ammended A.A (Based on 1st Bi-annual 2022)				Amount As Per Revised Rough Cost Estimate (Based on 2nd Bi-annual 2022)								Excess / Saving (B-A)	Remarks.
		Qty	Unit	Rate	Amount (A)	Qty	Unit	Rate B.P	E.I	P.H	S.G	Total	Amount (B)		
1	2	3	4	5	6	7	8	9					10	11	12
1.	Renovation of Main Building				31748300								~~26806500~~ 26287800	-4941800	
2.	Construction of Mettled Road				2582000								------	-2582000	
3.	Construction of Sewerage system				2125000								916000	-1209000	
4.	Construction of Water Supply				2583000								------	-2583000	
5.	Construction of Waiting / Pakring Shed				2276600								------	-2276600	
6.	Construction of Paved Area				3746000								1232182 ~~1570700~~	-2175300	
7.	External E.I Converting of RHC into waiting hall												11860352 2051900	11860352	
					45060900							Total	~~44163552~~ 42348334	-3907348	
	Add 3% for contingency				1351827			Add 3% for contingency		on Rs	~~41153552~~ 42348334	1274650	~~1234607~~	-117220	
				Total	46412727							Total	~~42388159~~ 43618784	-4024568	
	Add 5% for PST Charges				2320636			Add 5% for PST		on Rs	~~42388159~~		~~2119408~~	-201228	
				Total =	48733363							Total =	~~44507566~~ 45799223	-4343017	
				Say Rs =	48733400							Say Rs =	~~44507600~~ 45799700	-4225800	
				OR =	48.733 (M)							OR =	~~44.508~~ 45.800	~~4.226~~ -2.934 (M)	

Superintending Engineer
Buildings Circle No-I,
~~Faisalabad~~

Executive Engineer
Buildings Division No.2
Faisalabad.

SIE

Sub Divisional Officer
Buildings Sub Division
Chak Jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL TWO HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

COMPARATIVE STATEMENT (Renovation of Main Building)

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	(BUILDING PORTION)				25315400				24644700- 24126000	-670700	
2.	(E.I PORTION)				3769900 /-				1896600 /-	-1873300	
3.	(P.H PORTION)				2663000				265200 /-	-2397800	
				Total =	31748300 /-			Say =	26806500 /- 26278000		

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

Corporative Renovation Bldng

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

COMPARATIVE STATEMENT (RENOVATION OF OLD RHC, OPD AND WARD (BUILDING PORTION))

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	Removing cement or lime plaster.	31729	% Sft	352	111686	14825	% Sft	424.60	62947	-48739	
2.	Dismantling glazed or encaustic tiles, etc.	19154	% Sft	2006.4	384306	12960	% Sft	2391.85	309984	-74322	
3.	Dismantling cement concrete 1:2:4 plain.	204	% Sft	9292.8	18957	1680	% Sft	11209.45	188319	169361	
4.	Dismantling mud concrete.	408	% cft	1689.6	6894					-6894	
5.	Supplying filling sand under floor or plugging in well.	408	% cft	2872	11718					-11718	
6.	Dry rammed brick or stone ballast 1-1/2" to 2" gauge.	408	% cft	5742	23427					-23427	
7.	P/L, cement concrete plain 1:2:4 i/c placing, compaction, finishing & curing washing complete.	1800	% cft	29211.6	525809	1680	% cft	38271.80	642974	117165	
8.	P/L 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 as approved and directed by the Engineer Incharge Full body Glazed tiles size 600mmx 600 mm	19154	P. Sft	304.75	5837182	16325	P. Sft	341.95	5582334	-254848	
9.	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 sealerf or finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm	1224	P. Sft	304.75	373014	19457	P. Sft	341.95	6653321	6280307	
0.	P/L 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 including cutting grinding complete in all respects as approved and directed by the Engineer Incharge. size 12"x18"	31729	P. Sft	212	6726548					-6726548	
1.	Removing windows with chowkat	187	Each	294.35	55043	190	Each	350.45	66586	11542	

Sr. No.	Description of Items	As per Aluminumded Rough cost Estimate based on CPWD Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
12.	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.	2648	P. Sft	614.3	1626666	2861	P. Sft	1353.75	3873417	2246751	
ii	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.	2648	P. Sft	690.25	1827782	1353	P. Sft	494.50	668811	-1158971	
13.	P/F 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	2648	P. Sft	656.7	1738942	2705	P. Sft	863.35	2335362	596420	
14.	Scraping distemper from walls	32516	% Sft	633.6	206021	16753	% Sft	764.30	128043	-77978	
15.	Preparing surface and painting with emulsion paint 2-coats.	54194	% Sft	1814.9	983567	16753	% Sft	2065.65	346058	-637509	
16.	Cement pointing deep struck joints on walls upto 20' height ratio (1:2) i/c extra cost of labour and material for red oxide pigment in cement pointing to match wth the colour of bricks	4286	% Sft	3486.25	149421	1966	% Sft	4244.35	83444	-65977	
17.	1/2" thick cement and plaster plaster (1:4) i/c removing	384	% Sft	3013.85	11573					-11573	
18.	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. (1:3).	836	% Sft	3038.1	25399					-25399	
19.	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: two coat	18938	% Sft	4759.8	901411					-901411	
20.	Painting to doors and windows any type on old surface two coats (change of colour)	5513	% Sft	1382.35	76209	5598	% Sft	1694.65	94867	-18658	
21.	Dismantling brick or flagged flooring w/o concrete foundation	24117	% Sft	718.1	173184					-173184	

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

2nd Bi-Annual Period 2022

RENOVATION OF OLD RHC, OPD AND WARD (BUILDING PORTION)

1. Removing cement or lime plaster.

1	1	x	2	(	8	+	8 1/4	)x	5	=	163	Sft
2	1	x	2	(	8	+	9	)x	5	=	170	Sft
3	1	x	2	(	13	+	18 3/4	)x	5	=	318	Sft
4	1	x	2	(	22 7/8	+	16	)x	5	=	389	Sft
5	1	x	2	(	0	+	19 1/8	)x	5	=	191	Sft
8	1	x	2	(	6	+	14 3/4	)x	5	=	208	Sft
11	1	x	2	(	12	+	14	)x	5	=	260	Sft
12	1	x	2	(	6	+	14 3/4	)x	5	=	208	Sft
13	1	x	2	(	10 1/2	+	8 3/4	)x	5	=	193	Sft
14	1	x	2	(	10 1/2	+	8 3/4	)x	5	=	193	Sft
15	1	x	2	(	77 7/8	+	9	)x	5	=	869	Sft
18	1	x	2	(	12	+	14	)x	5	=	260	Sft
19	1	x	2	(	10 5/6	+	14	)x	5	=	248	Sft
20	1	x	2	(	7	+	6 1/2	)x	5	=	135	Sft
21	1	x	2	(	7	+	6 1/2	)x	5	=	135	Sft
26	1	x	2	(	7	+	12	)x	5	=	190	Sft
31	1	x	2	(	12	+	12	)x	5	=	240	Sft
33	1	x	2	(	0	+	18 1/4	)x	5	=	183	Sft
34	1	x	2	(	0	+	26 5/8	)x	5	=	266	Sft
39	1	x	2	(	7 1/4	+	6	)x	5	=	133	Sft
40	1	x	2	(	7 1/4	+	6	)x	5	=	133	Sft
50	1	x	2	(	3 1/4	+	7 1/4	)x	5	=	105	Sft
51	1	x	2	(	16	+	18 5/8	)x	5	=	346	Sft
55	1	x	2	(	18	+	4	)x	5	=	220	Sft
59	1	x	2	(	10	+	12	)x	5	=	220	Sft
64	1	x	2	(	16	+	10 5/8	)x	5	=	266	Sft
65	1	x	2	(	7	+	6 1/4	)x	5	=	133	Sft
66	1	x	2	(	6 3/4	+	7 3/4	)x	5	=	145	Sft
71	1	x	2	(	14	+	12	)x	5	=	260	Sft
			1	x	2	x	12	x	5	=	120	Sft
72	1	x	2	(	14	+	12	)x	5	=	260	Sft
			1	x	2	x	6	x	5	=	60	Sft
74	1	x	2	(	14	+	12	)x	5	=	260	Sft
			1	x	2	x	6	x	5	=	60	Sft
76	1	x	2	(	14	+	12	)x	5	=	260	Sft
			1	x	2	x	6	x	5	=	60	Sft
78	1	x	2	(	8	+	12	)x	5	=	200	Sft
79	1	x	2	(	8	+	12	)x	5	=	200	Sft
83	1	x	2	(	16	+	12	)x	5	=	280	Sft
84	1	x	2	(	6	+	5 1/4	)x	5	=	113	Sft
85	1	x	2	(	6	+	6	)x	5	=	120	Sft
86	1	x	2	(	11	+	12	)x	5	=	230	Sft
87	1	x	2	(	10	+	12	)x	5	=	220	Sft
88	1	x	2	(	12	+	12	)x	5	=	240	Sft
89	1	x	2	(	13	+	12	)x	5	=	250	Sft
90	1	x	2	(	12	+	12	)x	5	=	240	Sft
92	1	x	2	(	10	+	12	)x	5	=	220	Sft
			1	x	2	x	4 5/8	x	5	=	46	Sft
93	1	x	2	(	10	+	12	)x	5	=	220	Sft
			1	x	2	x	4 5/8	x	5	=	46	Sft
98	1	x	2	(	10	+	12	)x	5	=	220	Sft
99	1	x	2	(	14	+	12	)x	5	=	260	Sft

	Description of Items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
22.	Rehandling of earth with lead upto a single throw of Kassi, phoarah as shown lead upto 50ft.	8031	% 0Cft	2956.8	23746					-23746	
23.	Single layer of tile 9"x4½"x1½" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand (1:3) on top of RCC roof slab provided with 34 lbs % Sft of 1.72 Kg sq. inch bitumen coating sand blinded over polythene 500 gauge.	24117	% Sft	9996.4	2410832					-2410832	
24.	Making Khurra on roof 2'x2'x6"	30	Each	695.8	20874					-20874	
25.	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. / uPVC pipe line of B.S.S. with `B' Class working pressure pipe, in trenches, complete in all respects 4" dia.	420	Rft	383	160860					-160860	
26.	P/I P.V.C. bends, of B.S.S. Class `B' working pressure 4" dia.	30	Each	480.95	14429					-14429	
27.	P/I P.V.C. tees, of B.S.S. Class `B' working pressure 4" dia.	30	Each	1360.9	40827					-40827	
28.	P/F wall paneling of approved colour and design comprising of Venyle P.V.C 1.5mm thick & 8"wide strips Double sheet braced @ 150 mm apart over all thickness 8.5 mm i/c P.V.C. Gola at top / corner and PVC channel at bottom fixed on wall with special clips & steel screws / nails complete in all respects as approved by the Engineer Incharge.	4151	P. Sft	105	435855	4151	P. Sft	105.00	435855	0	
29.	P/F false ceiling comprises of Gypsum board laminated sheet of size 2'x2' / 2'x3'/ 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1" at wall sides, galvanized t ee 1¼"x1" and 1½"x1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 7.5mm thick	2415	P. Sft	77.35	186800	2415	P. Sft	89.40	215901	29101	
30.	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge. 3/4"thick	519	P. Sft	843.85	437958	519	P. Sft	1310.75	680279	242321	

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
31.	P/L 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	176	P. Sft	193.05	33977	176	P. Sft	213.00	37488	3511	
32.	P/F, 1-1/2"thick deodar wood panelled or panelled & glazed, doors & windows, complete in all respect (excluding sliding bolt / lock) without chowkat	140	P. Sft	1221.5	171010					-171010	
33.	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.	270	P. Sft	453.75	122513	634	P. Sft	506.80	321311	198799	
34.	P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40x100 mm (1½" x4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3"wide long handles etc., and hardware any required as approved by engineer in-charge.	144	P. Sft	721.8	103939	39	P. Sft	1441.20	56207	-47732	
35.	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge China Verona.					32	P. Sft	413.75	13240	13240	
36.	Preparing surface and painting with emulsion paint 1-coats.					46197	%Sft	1169.20	540133	540133	
37.	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 one coat					17486	%Sft	1943.50	339840	339840	
38.	Painting sashes, fanlights, glazed or gauzed doors					2664	%Sft	1031.20	27471	27471	

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
39.	Painting guard bars gates of iron bars, gratings, railing (including standards. braces etc.) and similar open work old surface two coats (change of colour)					1105	%Sft	1031.20	11395	11395	
40.	Raking and washing joints of brick masonry (old work) i/c Cement pointing 1:2 flush on floor					26815	%Sft	3320.60	890419	890419	
41.	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects 2' deep,without back.					33	P. Sft	1173.40	38722	38722	
				Total =	**25958379 /-**						
	D/d cost of old material										
1.	Old Tile	51369	% 0No	5000	256845						
2.	Old Tile Bats	1206	% 0Cft	3000	36180						
3.	Windows				350000						
				Total =	**643025 /-**						
				Net =	**25315354 /-**			**Total =**	**24644729 /-**	-670625	
				Say =	**25315400 /-**			**Say =**	**24644700 /-**	-670700	

Executive Engineer,
Buildings Division No.2,
Faisalabad.

S/Engr

Sub Divisional Officer,
Buildings Sub Division,
Chak jhumra

100	1	x	2	(	14	+	12	)x	5	=	260 Sft
102	1	x	2	(	5	+	6 5/8	)x	5	=	116 Sft
104	1	x	2	(	12	+	12	)x	5	=	240 Sft
106	1	x	2	(	12	+	12	)x	5	=	240 Sft
107	1	x	2	(	5	+	6 5/8	)x	5	=	116 Sft
110	1	x	2	(	14	+	12	)x	5	=	260 Sft
111	1	x	2	(	14	+	12	)x	5	=	260 Sft
112	1	x	2	(	10	+	12	)x	5	=	220 Sft
115	1	x	2	(	21	+	20 3/4	)x	5	=	418 Sft
116	1	x	2	(	21	+	20 3/4	)x	5	=	418 Sft
117	1	x	2	(	10 3/4	+	14 1/4	)x	5	=	250 Sft
118	1	x	2	(	12	+	11 7/8	)x	5	=	239 Sft
119	1	x	2	(	10 3/4	+	14 1/4	)x	5	=	250 Sft
120	1	x	2	(	21	+	20 3/4	)x	5	=	418 Sft
121	1	x	2	(	0	+	15 1/2	)x	5	=	155 Sft
									Total:	=	**14825 Sft (E)**
										@	424.60 %Sft 62947 /-

2. Dismantling glazed or encaustic tiles, etc.

3	1	x	13	x	18 3/4	=	244 Sft	
15	1	x	50 1/2	x	9	=	455 Sft	
//	1	x	27 3/4	x	10 1/2	=	291 Sft	
24	1	x	12	x	14	=	168 Sft	
25	1	x	11 3/4	x	12	=	141 Sft	
27	1	x	7	x	14 1/4	=	100 Sft	
28	1	x	12	x	12	=	144 Sft	
31	1	x	12	x	12	=	144 Sft	
32	1	x	41 3/4	x	9	=	376 Sft	
33	1	x	18 1/4	x	9	=	164 Sft	
34	1	x	26 5/8	x	9 1/4	=	246 Sft	
35	1	x	74 3/4	x	6	=	449 Sft	
36	1	x	26 5/8	x	6 1/2	=	173 Sft	
37	1	x	12 2/3	x	12 7/8	=	163 Sft	
39	1	x	7 1/4	x	6	=	44 Sft	
40	1	x	7 1/4	x	6	=	44 Sft	
41	1	x	12 7/8	x	12 2/3	=	163 Sft	
43	1	x	12	x	20	=	240 Sft	
44	1	x	16	x	18 5/8	=	298 Sft	
45	1	x	11 1/2	x	10	=	115 Sft	
46	1	x	11 1/2	x	9 1/4	=	106 Sft	
47	1	x	21	x	18 5/8	=	391 Sft	
48	1	x	9 3/4	x	12 1/2	=	122 Sft	
50	1	x	3 1/4	x	7 1/4	=	24 Sft	
52	1	x	11	x	13	=	143 Sft	
53	1	x	10	x	13	=	130 Sft	
54	1	x	14	x	7	=	98 Sft	
56	1	x	18	x	16	=	288 Sft	
57	1	x	24 7/8	x	5	=	124 Sft	
58	1	x	14	x	9 7/8	=	138 Sft	
62	1	x	10 1/8	x	4	=	41 Sft	
72	1	x	14	x	12	=	168 Sft	
/	1	x	6	x	7	=	42 Sft	
101	1	x	10	x	12 3/4	=	128 Sft	
109	1	x	10	x	12 3/4	=	128 Sft	
101	1	x	7	x	2 1/4	=	16 Sft	
109	1	x	7	x	2 1/4	=	16 Sft	} (H)
					Total:	=	~~6265 Sft~~	(C)

Skirting

24	1	x	2	(	12	+	14	)x	5	= 260 Sft
25	1	x	2	(	11 3/4	+	12	)x	5	= 238 Sft

27	1	x	2	(	0	+	14 1/4	)x	5	=	143 Sft		
28	1	x	2	(	12	+	12	)x	5	=	240 Sft		
32	1	x	2	(	0	+	34 3/4	)x	5	=	348 Sft		
35	1	x	2	(	74 3/4	+	6	)x	5	=	808 Sft		
36	1	x	2	(	0	+	26 5/8	)x	5	=	266 Sft		
37	1	x	2	(	12 2/3	+	12 7/8	)x	5	=	255 Sft		
41	1	x	2	(	12 7/8	+	12 2/3	)x	5	=	255 Sft		
43	1	x	2	(	12	+	20	)x	5	=	320 Sft		
44	1	x	2	(	16	+	18 5/8	)x	5	=	346 Sft		
45	1	x	2	(	11 1/2	+	10	)x	5	=	215 Sft		
46	1	x	2	(	11 1/2	+	9 1/4	)x	5	=	208 Sft		
47	1	x	2	(	21	+	18 5/8	)x	5	=	396 Sft		
48	1	x	2	(	9 3/4	+	12 1/2	)x	5	=	223 Sft		
52	1	x	2	(	11	+	13	)x	5	=	240 Sft		
53	1	x	2	(	10	+	13	)x	5	=	230 Sft		
54	1	x	2	(	14	+	7	)x	5	=	210 Sft		
56	1	x	2	(	18	+	16	)x	5	=	340 Sft		
57	1	x	2	(	0	+	24 7/8	)x	5	=	249 Sft		
58	1	x	2	(	14	+	9 7/8	)x	5	=	239 Sft		
61	1	x	2	(	5 5/8	+	5 1/4	)x	5	=	109 Sft		
62	1	x	2	(	0	+	10 1/8	)x	5	=	101 Sft		
101	1	x	2	(	10	+	12 3/4	)x	5	=	228 Sft		
109	1	x	2	(	10	+	12 3/4	)x	5	=	228 Sft		
									Total:	=	**6695 Sft**	**(D)**	

C + D ~~6265~~ + **6695** = 6695 ~~12960~~ @ 2391.85 %Sft 160134/- ~~309984/-~~

3. Dismantling cement concrete 1:2:4 plain.

1	1	x	8	x	8 1/4	=	66 Sft	
2	1	x	8	x	9	=	72 Sft	
4	1	x	22 7/8	x	16	=	366 Sft	
//	1	x	11 3/4	x	19 1/8	=	225 Sft	
5	1	x	19	x	9 1/2	=	181 Sft	
6	1	x	12	x	9	=	108 Sft	
7	1	x	12	x	14	=	168 Sft	
8	1	x	6	x	14 3/4	=	89 Sft	
9	1	x	21 7/8	x	14 3/4	=	323 Sft	
10	1	x	19 1/8	x	9 1/2	=	182 Sft	
11	1	x	12	x	14	=	168 Sft	
12	1	x	6	x	14 3/4	=	89 Sft	
13	1	x	10 1/2	x	8 3/4	=	92 Sft	
14	1	x	10 1/2	x	8 3/4	=	92 Sft	
18	1	x	12	x	14	=	168 Sft	
19	1	x	11 5/6	x	14	=	166 Sft	
20	1	x	7	x	6 1/2	=	46 Sft	
21	1	x	7	x	6 1/2	=	46 Sft	
26	1	x	7	x	12	=	84 Sft	
51	1	x	16	x	18 5/8	=	298 Sft	
55	1	x	18	x	4	=	72 Sft	
59	1	x	10	x	12	=	120 Sft	
60	1	x	5 1/4	x	6	=	32 Sft	
64	1	x	16	x	10 5/8	=	170 Sft	
65	1	x	7	x	6 1/2	=	46 Sft	
66	1	x	6 3/4	x	7 3/4	=	52 Sft	
67	1	x	90 3/4	x	13 3/4	=	1248 Sft	
//	1	x	52	x	18	=	936 Sft	
71	1	x	14	x	12	=	168 Sft	
//	1	x	6	x	6 1/2	=	39 Sft	
72	1	x	14	x	12	=	168 Sft	

//	1	x	6	x	6 1/2	=	39 Sft			
74	1	x	14	x	12	=	168 Sft			
//	1	x	6	x	6 1/2	=	39 Sft			
76	1	x	12	x	14	=	168 Sft			
//	1	x	6	x	6 1/2	=	39 Sft			
78	1	x	8	x	12	=	96 Sft			
79	1	x	8	x	12	=	96 Sft			
83	1	x	8	x	12	=	96 Sft			
84	1	x	6	x	5 1/4	=	32 Sft			
85	1	x	6	x	6	=	36 Sft			
86	1	x	11	x	12	=	132 Sft			
87	1	x	10	x	12	=	120 Sft			
88	1	x	12	x	12	=	144 Sft			
89	1	x	13	x	12	=	156 Sft			
90	1	x	12	x	12	=	144 Sft			
92	1	x	10	x	12	=	120 Sft			
//	1	x	5	x	7	=	35 Sft			
93	1	x	10	x	12	=	120 Sft			
//	1	x	5	x	7	=	35 Sft			
102	1	x	5	x	6 5/8	=	33 Sft			
104	1	x	12	x	12	=	144 Sft			
106	1	x	12	x	12	=	144 Sft			
107	1	x	5	x	6 1/8	=	31 Sft			
110	1	x	12	x	14	=	168 Sft			
111	1	x	12	x	14	=	168 Sft			
112	1	x	10	x	12	=	120 Sft			
117	1	x	10 3/4	x	14 1/4	=	153 Sft			
118	1	x	12	x	14 7/8	=	179 Sft			
119	1	x	10 3/4	x	14 1/4	=	153 Sft			
120	1	x	21	x	20 3/4	=	436 Sft			
121	1	x	21	x	20 3/4	=	436 Sft			
					Total	=	**10060 Sft**			(A)
Dismantling Tile =			6265							
Conversion =			**10060**	**x**	**1/8**	=	~~1258~~ **~~1680~~ Cft**			~~141015~~/-
T =			16325				2041	@	11209.45 %Cft	~~188319~~/- 228785/-

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

							16325		2041	
A	~~10060~~ 16325	=	~~10060~~	x	1/8	=	~~1258~~ ~~1680~~ Cft			780984
					G.Total:	=	~~1680~~ Cft			~~481459~~/-
							1258 2041	@	38271.80 %Cft	~~642974~~/-

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

(H)	**16**	+	**16**	=	**32**			
				=	32 Sft			
						@	413.75 P Sft	13240 /-

6. P/L 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 as approved and directed by the Engineer Incharge Full body Glazed tiles size 600mmx 600 mm

A + C	**6265**	+	**10060**	=	**16325**			
				=	16325 Sft			
						@	341.95 P Sft	5582334 /-

7. Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size , Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealerf or finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm

E + D			**14825**		**+**	**6695**	**=**	**21520**	Sft		
D/d doors											
	12	x	4	x	5		=	240	Sft		
	5	x	2 1/2	x	5		=	63	Sft		
	15	x	3	x	5		=	225	Sft		
	50	x	3 1/2	x	5		=	875	Sft		
	22	x	6	x	5		=	660	Sft		
					Total		**=**	**2063**	Sft		
					Net		**=**	**19457**	Sft		
								@	341.95	P Sft	6653321 /-

8. Removing windows with chowkat

							=	190	No.		
								@	350.45	Each	66586 /-

9. 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.

W	1	x	13	x	6	x	5 1/2	=	429	Sft	
W	1	x	3	x	7 2/3	x	6	=	138	Sft	
W	1	x	2	x	2 3/4	x	5 1/2	=	30	Sft	
W	1	x	1	x	2 1/2	x	5 1/2	=	14	Sft	
W	1	x	1	x	6 3/4	x	5 1/2	=	37	Sft	
W	1	x	5	x	4	x	5 1/2	=	110	Sft	
W	1	x	1	x	7	x	5 1/2	=	39	Sft	
W	1	x	1	x	5 1/2	x	5 1/2	=	30	Sft	
W	1	x	14	x	3 1/2	x	5 1/2	=	270	Sft	
W	1	x	1	x	2	x	3	=	6	Sft	
W	1	x	2	x	4 1/2	x	5 1/2	=	50	Sft	
W	1	x	2	x	5 1/2	x	5	=	55	Sft	
W	1	x	34	x	3	x	3 1/2	=	357	Sft	
W	1	x	96	x	2	x	3 1/2	=	672	Sft	
W	1	x	2	x	4	x	6	=	48	Sft	
W	1	x	4	x	7	x	10	=	280	Sft	
W	1	x	8	x	5	x	3 1/2	=	140	Sft	
							Total:	**=**	**2705**	**Sft**	
								@	1,353.75	P Sft	3661894 /-

ii. 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.

	1	x	2705	x	1/2		=	1353	Sft		
								@	494.5	P Sft	668811 /-

10. P/F 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

Take Qty as above item = 2705 Sft

@ 863.35 P Sft 2335362 /-

11. Scraping distemper from walls

walls

1	1	x	2	(8	+	8 1/4	)x	7	=	228 Sft
2	1	x	2	(8	+	9	)x	7	=	238 Sft
3	1	x	2	(13	+	18 3/4	)x	7	=	445 Sft
4	1	x	2	(22 7/8	+	16	)x	7	=	544 Sft
5	1	x	2	(0	+	19 1/8	)x	7	=	268 Sft
6	1	x	2	(12	+	9	)x	9	=	378 Sft
7	1	x	2	(12	+	14	)x	9	=	468 Sft
8	1	x	2	(6	+	14 3/4	)x	7	=	291 Sft
9	1	x	2	(21 7/8	+	14 3/4	)x	9	=	659 Sft
10	1	x	2	(19 1/8	+	9 1/2	)x	11 1/2	=	658 Sft
11	1	x	2	(12	+	14	)x	7	=	364 Sft
12	1	x	2	(6	+	14 3/4	)x	7	=	291 Sft
13	1	x	2	(10 1/2	+	8 3/4	)x	7	=	270 Sft
14	1	x	2	(10 1/2	+	8 3/4	)x	7	=	270 Sft
15	1	x	2	(77 7/8	+	9	)x	7	=	1216 Sft
16	1	x	2	(7	+	6 1/2	)x	7	=	189 Sft
17	1	x	2	(7	+	6 3/4	)x	7	=	193 Sft
18	1	x	2	(12	+	14	)x	7	=	364 Sft
19	1	x	2	(10 5/6	+	14	)x	7	=	348 Sft
20	1	x	2	(7	+	6 1/2	)x	7	=	189 Sft
21	1	x	2	(7	+	6 1/2	)x	7	=	189 Sft
22	1	x	2	(7	+	6 3/4	)x	7	=	193 Sft
23	1	x	2	(7	+	6 3/4	)x	7	=	193 Sft
26	1	x	2	(7	+	12	)x	7	=	266 Sft
27	1	x	2	(0	+	14 1/4	)x	7	=	200 Sft
28	1	x	2	(12	+	12	)x	7	=	336 Sft
29	1	x	2	(7	+	5 1/2	)x	7	=	175 Sft
30	1	x	2	(7	+	5 3/4	)x	7	=	179 Sft
31	1	x	2	(12	+	12	)x	7	=	336 Sft
32	1	x	2	(0	+	34 3/4	)x	7	=	487 Sft
33	1	x	2	(0	+	18 1/4	)x	7	=	256 Sft
34	1	x	2	(0	+	26 5/8	)x	7	=	373 Sft
35	1	x	2	(74 3/4	+	6	)x	7	=	1131 Sft
36	1	x	2	(0	+	26 5/8	)x	7	=	373 Sft
37	1	x	2	(12 2/3	+	12 7/8	)x	7	=	358 Sft
38	1	x	2	(7 1/4	+	6	)x	7	=	186 Sft
39	1	x	2	(7 1/4	+	6	)x	7	=	186 Sft
40	1	x	2	(7 1/4	+	6	)x	7	=	186 Sft
41	1	x	2	(12 7/8	+	12 2/3	)x	7	=	358 Sft
42	1	x	2	(7 1/4	+	6	)x	7	=	186 Sft
43	1	x	2	(12	+	20	)x	7	=	448 Sft
44	1	x	2	(16	+	18 5/8	)x	7	=	485 Sft
48	1	x	2	(9 3/4	+	12 1/2	)x	7	=	312 Sft
49	1	x	2	(6 1/4	+	7 1/4	)x	7	=	189 Sft
50	1	x	2	(3 1/4	+	7 1/4	)x	7	=	147 Sft
51	1	x	2	(16	+	18 5/8	)x	7	=	485 Sft

52	1	x	2	(	11	+	13	)x	7	=	336	Sft
53	1	x	2	(	10	+	13	)x	7	=	322	Sft
54	1	x	2	(	14	+	7	)x	7	=	294	Sft
55	1	x	2	(	18	+	4	)x	7	=	308	Sft
56	1	x	2	(	18	+	16	)x	7	=	476	Sft
57	1	x	2	(	0	+	24 7/8	)x	7	=	348	Sft
58	1	x	2	(	14	+	9 7/8	)x	7	=	334	Sft
59	1	x	2	(	10	+	12	)x	7	=	308	Sft
60	1	x	2	(	5 1/4	+	6	)x	7	=	158	Sft
61	1	x	2	(	5 5/8	+	5 1/4	)x	7	=	152	Sft
62	1	x	2	(	0	+	10 1/8	)x	7	=	142	Sft
63	1	x	2	(	4	+	4	)x	7	=	112	Sft
64	1	x	2	(	16	+	10 5/8	)x	7	=	373	Sft
65	1	x	2	(	7	+	6 1/4	)x	7	=	186	Sft
66	1	x	2	(	6 3/4	+	7 3/4	)x	7	=	203	Sft
67	1	x	2	(	0	+	90 3/4	)x	3 1/2	=	635	Sft
	1	x	2	(	0	+	52	)x	3 1/2	=	364	Sft
	23	x	1	x	3 1/7	x	3 1/9	x	8 1/2	=	1912	Sft
68	1	x	2	(	8	+	12	)x	7	=	280	Sft
	1	x	2	(	4	+	4 1/2	)x	7	=	119	Sft
69	1	x	2	(	8	+	12	)x	7	=	280	Sft
	1	x	2	(	4	+	4 1/2	)x	7	=	119	Sft
70	1	x	2	(	6	+	5	)x	7	=	154	Sft
71	1	x	2	(	14	+	12	)x	7	=	364	Sft
			1	x	2	x	12	x	7	=	168	Sft
72	1	x	2	(	14	+	12	)x	7	=	364	Sft
			1	x	2	x	6	x	7	=	84	Sft
73			1	x	2	x	12	x	7	=	168	Sft
74	1	x	2	(	14	+	12	)x	7	=	364	Sft
			1	x	2	x	6	x	7	=	84	Sft
75	1	x	2	(	6	+	5	)x	7	=	154	Sft
76	1	x	2	(	14	+	12	)x	7	=	364	Sft
			1	x	2	x	6	x	7	=	84	Sft
77	1	x	2	(	6	+	5	)x	7	=	154	Sft
78	1	x	2	(	8	+	12	)x	7	=	280	Sft
79	1	x	2	(	8	+	12	)x	7	=	280	Sft
80			1	x	2	x	70 1/8	x	7	=	982	Sft
81			1	x	2	x	70 1/8	x	7	=	982	Sft
82			1	x	2	x	8	x	7	=	112	Sft
83	1	x	2	(	16	+	12	)x	7	=	392	Sft
84	1	x	2	(	6	+	5 1/4	)x	7	=	158	Sft
85	1	x	2	(	6	+	6	)x	7	=	168	Sft
86	1	x	2	(	11	+	12	)x	7	=	322	Sft
87	1	x	2	(	10	+	12	)x	7	=	308	Sft
88	1	x	2	(	12	+	12	)x	7	=	336	Sft
89	1	x	2	(	13	+	12	)x	7	=	351	Sft
90	1	x	2	(	12	+	12	)x	7	=	336	Sft
91	1	x	2	(	4 5/8	+	5	)x	7	=	135	Sft
92	1	x	2	(	10	+	12	)x	7	=	308	Sft
			1	x	2	x	4 5/8	x	7	=	65	Sft
93	1	x	2	(	10	+	12	)x	7	=	308	Sft
			1	x	2	x	4 5/8	x	7	=	65	Sft
94	1	x	2	(	4 5/8	+	5	)x	7	=	135	Sft
95			1	x	2	x	10 5/8	x	7	=	149	Sft
96			3 1/7	x	11	x	11	x	7	=	2662	Sft
97			1	x	2	x	10 5/8	x	7	=	149	Sft
98	1	x	2	(	10	+	12	)x	7	=	308	Sft

99	1	x	2	(	14	+	12	)x	7	=	364	Sft
100	1	x	2	(	14	+	12	)x	7	=	364	Sft
101	1	x	2	(	10	+	12 3/4	)x	7	=	319	Sft
102	1	x	2	(	5	+	6 5/8	)x	7	=	163	Sft
103	1	x	2	(	5	+	5 5/8	)x	7	=	149	Sft
104	1	x	2	(	12	+	12	)x	7	=	336	Sft
105	1	x	2	(	0	+	12 3/4	)x	7	=	179	Sft
106	1	x	2	(	12	+	12	)x	7	=	336	Sft
107	1	x	2	(	5	+	6 5/8	)x	7	=	163	Sft
108	1	x	2	(	5	+	5 5/8	)x	7	=	149	Sft
109	1	x	2	(	10	+	12 3/4	)x	7	=	319	Sft
110	1	x	2	(	14	+	12	)x	7	=	364	Sft
111	1	x	2	(	14	+	12	)x	7	=	364	Sft
112	1	x	2	(	10	+	12	)x	7	=	308	Sft
113	1	x	2	(	147 1/8	+	9 1/2	)x	7	=	2193	Sft
114	1	x	2	(	12	+	17	)x	7	=	406	Sft
			4	x	2	x	4 1/2	x	7	=	252	Sft
115	1	x	2	(	21	+	20 3/4	)x	7	=	585	Sft
116	1	x	2	(	21	+	20 3/4	)x	7	=	585	Sft
117	1	x	2	(	10 3/4	+	14 1/4	)x	7	=	350	Sft
118	1	x	2	(	12	+	11 7/8	)x	7	=	334	Sft
119	1	x	2	(	10 3/4	+	14 1/4	)x	7	=	350	Sft
120	1	x	2	(	21	+	20 3/4	)x	7	=	585	Sft
121	1	x	2	(	0	+	15 1/2	)x	7	=	217	Sft
123	1	x	2	(	12	+	17	)x	7	=	406	Sft
			4	x	2	x	4 1/2	x	7	=	252	Sft
									Total	=	**46034**	**Sft**

Cielings

1	1	x	8	x	8 1/4	=	66	Sft
2	1	x	8	x	9	=	72	Sft
3	1	x	13	x	18 3/4	=	244	Sft
4	1	x	22 7/8	x	16	=	366	Sft
	1	x	11 3/4	x	19 1/8	=	225	Sft
5	1	x	19	x	9 1/2	=	181	Sft
6	1	x	12	x	9	=	108	Sft
7	1	x	12	x	14	=	168	Sft
8	1	x	6	x	14 3/4	=	89	Sft
9	1	x	21 7/8	x	14 3/4	=	323	Sft
10	1	x	19 1/8	x	9 1/2	=	182	Sft
11	1	x	12	x	14	=	168	Sft
12	1	x	6	x	14 3/4	=	89	Sft
13	1	x	10 1/2	x	8 3/4	=	92	Sft
14	1	x	10 1/2	x	8 3/4	=	92	Sft
15	1	x	77 7/8	x	9	=	701	Sft
18	1	x	12	x	14	=	168	Sft
19	1	x	11 5/6	x	14	=	166	Sft
20	1	x	7	x	6 1/2	=	46	Sft
21	1	x	7	x	6 1/2	=	46	Sft
24	1	x	12	x	14	=	168	Sft
25	1	x	11 3/4	x	12	=	141	Sft
26	1	x	7	x	12	=	84	Sft
27	1	x	7	x	14 1/4	=	100	Sft
28	1	x	12	x	12	=	144	Sft
31	1	x	12	x	12	=	144	Sft
32	1	x	41 3/4	x	9	=	376	Sft
33	1	x	18 1/4	x	9	=	164	Sft
34	1	x	26 5/8	x	9 1/4	=	246	Sft

35	1	x	74 3/4	x	6	=	449	Sft
36	1	x	26 5/8	x	6 1/2	=	173	Sft
37	1	x	12 2/3	x	12 7/8	=	163	Sft
39	1	x	7 1/4	x	6	=	44	Sft
40	1	x	7 1/4	x	6	=	44	Sft
41	1	x	12 7/8	x	12 2/3	=	163	Sft
43	1	x	12	x	20	=	240	Sft
44	1	x	16	x	18 5/8	=	298	Sft
45	1	x	11 1/2	x	10	=	115	Sft
46	1	x	11 1/2	x	9 1/4	=	106	Sft
47	1	x	21	x	18 5/8	=	391	Sft
48	1	x	9 3/4	x	12 1/2	=	122	Sft
49	1	x	6 1/4	x	7 1/4	=	45	Sft
50	1	x	3 1/4	x	7 1/4	=	24	Sft
51	1	x	16	x	18 5/8	=	298	Sft
52	1	x	11	x	13	=	143	Sft
53	1	x	10	x	13	=	130	Sft
54	1	x	14	x	7	=	98	Sft
55	1	x	18	x	4	=	72	Sft
56	1	x	18	x	16	=	288	Sft
57	1	x	24 7/8	x	5	=	124	Sft
58	1	x	14	x	9 7/8	=	138	Sft
59	1	x	10	x	12	=	120	Sft
61	1	x	5 5/8	x	5 1/4	=	30	Sft
62	1	x	10 1/8	x	4	=	41	Sft
64	1	x	16	x	10 5/8	=	170	Sft
65	1	x	7	x	6 1/2	=	46	Sft
66	1	x	6 3/4	x	7 3/4	=	52	Sft
67	1	x	90 3/4	x	13 3/4	=	1248	Sft
	1	x	52	x	18	=	936	Sft
68	1	x	8	x	12	=	96	Sft
	2	x	4	x	4 1/2	=	36	Sft
69	1	x	8	x	12	=	96	Sft
	2	x	4	x	4 1/2	=	36	Sft
70	1	x	6	x	5	=	30	Sft
71	1	x	14	x	12	=	168	Sft
	1	x	7	x	6	=	42	Sft
72	1	x	14	x	12	=	168	Sft
	1	x	7	x	6	=	42	Sft
	1	x	6	x	5	=	30	Sft
73	1	x	12	x	10 5/8	=	128	Sft
74	1	x	14	x	12	=	168	Sft
	1	x	7	x	6	=	42	Sft
75	1	x	6	x	5	=	30	Sft
76	1	x	14	x	12	=	168	Sft
	1	x	6	x	7	=	42	Sft
77	1	x	6	x	5	=	30	Sft
78	1	x	8	x	12	=	96	Sft
79	1	x	8	x	12	=	96	Sft
80	1	x	70 1/8	x	10	=	701	Sft
81	1	x	70 1/8	x	10	=	701	Sft
82	1	x	28	x	25	=	700	Sft
83	1	x	16	x	12	=	192	Sft
84	1	x	6	x	5 1/4	=	32	Sft
85	1	x	6	x	6	=	36	Sft
86	1	x	11	x	12	=	132	Sft
87	1	x	10	x	12	=	120	Sft

88	1	x	12	x	12	=	144 Sft	
89	1	x	13	x	12	=	156 Sft	
90	1	x	12	x	12	=	144 Sft	
91	1	x	4 5/8	x	5	=	23 Sft	
92	1	x	10	x	12	=	120 Sft	
	1	x	5	x	7	=	35 Sft	
93	1	x	10	x	12	=	120 Sft	
	1	x	5	x	7	=	35 Sft	
94	1	x	4 5/8	x	5	=	23 Sft	
95	1	x	12	x	10 5/8	=	128 Sft	
96	1	x	11	x	11	=	121 Sft	
97	1	x	12	x	10 5/8	=	128 Sft	
98	1	x	10	x	12	=	120 Sft	
99	1	x	14	x	12	=	168 Sft	
100	1	x	14	x	12	=	168 Sft	
101	1	x	10	x	12 3/4	=	128 Sft	
102	1	x	5	x	6 5/8	=	33 Sft	
103	1	x	5	x	5 5/8	=	28 Sft	
104	1	x	12	x	12	=	144 Sft	
105	1	x	12	x	10 5/8	=	128 Sft	
106	1	x	12	x	12	=	144 Sft	
107	1	x	5	x	6 5/8	=	33 Sft	
108	1	x	5	x	5 5/8	=	28 Sft	
109	1	x	10	x	12 3/4	=	128 Sft	
110	1	x	14	x	12	=	168 Sft	
111	1	x	14	x	12	=	168 Sft	
112	1	x	10	x	12	=	120 Sft	
113	1	x	147 1/8	x	9 1/2	=	1398 Sft	
114	1	x	12	x	17	=	204 Sft	
115	1	x	21	x	20 3/4	=	436 Sft	
116	1	x	21	x	20 3/4	=	436 Sft	
117	1	x	10 3/4	x	14 1/4	=	153 Sft	
118	1	x	12	x	11 7/8	=	143 Sft	
119	1	x	10 3/4	x	14 1/4	=	153 Sft	
120	1	x	21	x	20 3/4	=	436 Sft	
121	1	x	21	x	20 3/4	=	436 Sft	
122	1	x	7	x	15 1/2	=	109 Sft	
123	1	x	12	x	17	=	204 Sft	
	2	x	43 1/8	x	10	=	863 Sft	
					Total	=	**23482 Sft**	(B)

Deduction

Wall panelling (---)	**46034**	-	~~4151~~	=	~~41883~~ Sft	**(A)**
~~False ceiling (---)~~	~~**23482**~~	-	2415	=	21067 Sft	(B)

46034

Take Qty 40% for Scraping	=	~~41883~~	x	40%	=	~~16753~~ Sft	
				Total	=	~~16753~~ Sft	
						18414 @ 764.30 %Sft	~~128043~~ /-

140738

12. Preparing surface and painting with emulsion paint 2-coats.

Take Qty 40% for Scraping of **(A)**	=	18414 ~~16753~~ Sft			
		@	2065.65	%Sft	~~346058~~ /-

380369

13. Preparing surface and painting with emulsion paint 1-coats.

Take Qty 60% for Scraping of **(A)**	=	27620 ~~25130~~ Sft			
		@	1169.20	%Sft	~~293818~~ /-

323938

14. Preparing surface and painting with emulsion pain 1-coats. 23982

Take Qty **(B)** = ~~21067~~ Sft 274552

@ 1169.20 %Sft ~~246315~~ /-

15. Cement pointing deep struck joints on walls upto 20' height ratio (1:2) i/c extra cost of labour and material for red oxide pigment in cement pointing to match wth the colour of bricks.

4	x	98	x	3	=	1176 Sft
2	x	50	x	5	=	500 Sft
1	x	20	x	4	=	80 Sft
1	x	70	x	3	=	210 Sft
				Total:	=	**1966 Sft**

@ 4244.35 %Sft 83444 /-

16. 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 one coat

2	x	152 1/4	x	15	=	4568 Sft
2	x	46	x	15	=	1380 Sft
1	x	134 1/2	x	15	=	2018 Sft
2	x	37 3/4	x	15	=	1133 Sft
2	x	15	x	15	=	450 Sft
4	x	70 1/8	x	15	=	4208 Sft
1	x	162	x	15	=	2430 Sft
4	x	7	x	15	=	420 Sft
2	x	5	x	15	=	150 Sft
2	x	45	x	15	=	1350 Sft
2	x	36	x	15	=	1080 Sft
				Total	=	**19185 Sft**

Deductin

	door	2	x	8 1/2	x	7	=	119 Sft
w	w	x 14	x	3 1/2	x	5 1/2	=	270 Sft
w	w	x 1	x	2	x	3	=	6 Sft
w	w	x 2	x	4 1/2	x	5 1/2	=	50 Sft
w	w	x 2	x	5 1/2	x	5	=	55 Sft
w	w	x 20	x	3	x	3 1/2	=	210 Sft
w	w	x 30	x	2	x	3 1/2	=	210 Sft
	w	4	x	7	x	10	=	280 Sft
	w	49	x	2	x	3 1/2	=	343 Sft
	w	1	x	2	x	2 3/4	=	6 Sft
	w	5	x	3	x	3 1/2	=	53 Sft
	c/w	12	x	3	x	1 3/4	=	63 Sft
	c/w	4	x	5	x	1 3/4	=	35 Sft
					Total	=		**1699 Sft**
					Net	=		**17486 Sft**

@ 1943.50 %Sft 339840 /-

17. Painting to doors and windows any type on old surface two coats (change of colour)

door	8	x	2	x	6	x	8 1/2	= 816 Sft
//	6	x	2	x	5	x	8 1/2	= 510 Sft
//	10	x	2	x	4 1/2	x	8 1/2	= 765 Sft
//	10	x	2	x	3	x	8 1/2	= 510 Sft
//	1	x	2	x	5	x	8 1/2	= 85 Sft
//	26	x	2	x	3 1/2	x	8 1/2	= 1547 Sft
//	39	x	2	x	2 1/2	x	7	= 1365 Sft
							Total	= **5598 Sft**

@ 1694.65 %Sft 94867 /-

18. Painting sashes, fanlights, glazed or gauzed doors and windows old surface two coats (change of colour)

door	2	x	1	x	4	x	7	=	56 Sft
W	8	x	1	x	2 1/8	x	6 1/8	=	104 Sft
door	4	x	1	x	4	x	7	=	112 Sft
W	35	x	2	x	3	x	3 1/2	=	735 Sft
//	6	x	2	x	2	x	3 1/2	=	84 Sft
//	2	x	2	x	4	x	6	=	96 Sft
//	4	x	2	x	7	x	10	=	560 Sft
//	8	x	2	x	5	x	3 1/2	=	280 Sft
//	76	x	1	x	2	x	3 1/2	=	532 Sft
C/w	12	x	1	x	3	x	1 3/4	=	63 Sft
//	4	x	1	x	5	x	1 3/4	=	35 Sft
//	1	x	1	x	4	x	1 3/4	=	7 Sft
							Total	=	**2664 Sft**
							@	1031.20	%Sft 27471 /-

19. Painting guard bars, gates of iron bars, gratings, railing (including standards, braces etc.) and similar open work old surface two coats (change of colour)

door	2	x	1	x	4	x	7	=	56 Sft
W	8	x	1	x	2 1/8	x	6 1/8	=	104 Sft
door	4	x	1	x	4	x	7	=	112 Sft
Grill	2	x	1	x	19 3/4	x	2 3/4	=	109 Sft
Grill	1	x	1	x	34	x	2 3/4	=	94 Sft
//	1	x	1	x	25 3/4	x	2 3/4	=	71 Sft
//	1	x	1	x	5 1/4	x	2 3/4	=	14 Sft
//	1	x	1	x	80	x	2 3/4	=	220 Sft
//	2	x	1	x	43 1/8	x	2 3/4	=	237 Sft
//	4	x	1	x	8	x	2 3/4	=	88 Sft
							Total	=	**1105 Sft**
							@	1031.20	%Sft 11395 /-

20. P/F wall paneling of approved colour and design comprising of Venyle P.V.C 1.5mm thick & 8"wide strips Double sheet braced @ 150 mm apart over all thickness 8.5 mm i/c P.V.C. Gola at top / corner and PVC channel at bottom fixed on wall with special clips & steel screws / nails complete in all respects as approved by the Engineer Incharge.

4	x	2	(	14	+	12	)x	7	=	1456 Sft
		4	x	2	x	6 3/8	x	7	=	357 Sft
4	x	2	(	21	+	20 3/4	)x	7	=	2338 Sft
								Total	=	**4151 Sft**
								@	105.00	P Sft ~~435855 /-~~

21. P/F false ceiling comprises of Gypsum board laminated sheet of size 2'x2' / 2'x3'/ 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1" at wall sides, galvanized t ee 1¼"x1" and 1½"x1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 7.5mm thick

4	x	14	x	12	=	672 Sft		
4	x	21	x	20 3/4	=	1743 Sft		
				Total	=	**2415 Sft**		
				@	89.40	P Sft	~~215901 /-~~	

22. 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. 3/4"thick

	1	x	18	x	12	=	216 Sft
	3	x	12	x	1 1/4	=	45 Sft
	3	x	12	x	1/2	=	18 Sft
	1	x	20	x	6	=	120 Sft
Nursing Counter	6	x	10	x	2	=	120 Sft
					Total	=	**519 Sft**

@ 1310.75 P Sft 680279 /-

23. P/L 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

	2	x	22	x	4	=	176 Sft

@ 213.00 P Sft 37488 /-

24. 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.

	11	x	3 1/2	x	7	=	270 Sft
	5	x	3	x	6 3/4	=	101 Sft
	4	x	3 1/4	x	6 3/4	=	88 Sft
	10	x	2 1/2	x	7	=	175 Sft
					Total	=	**634 Sft**

@ 506.80 P Sft 321311 /-

25. Raking and washing joints of brick masonry (old work) i/c Cement pointing 1:2 flush on floor

Roof old RHC	1	x	150 3/4	x	36 1/4	=	5465 Sft
	1	x	150 3/4	x	44 1/2	=	6708 Sft
	1	x	40	x	12	=	480 Sft
	1	x	57	x	135	=	7695 Sft
	1	x	64 1/2	x	51	=	3290 Sft
	1	x	28 5/8	x	25 1/4	=	723 Sft
	1	x	33 5/8	x	13 1/8	=	441 Sft
	1	x	22	x	35	=	770 Sft
OPD & ward	1	x	36 1/2	x	65	=	2373 Sft
	1	x	15	x	11	=	165 Sft
	1	x	16	x	10	=	160 Sft
					Total	=	28270 Sft

Deduction

	1	x	34	x	26 1/2	=	901 Sft
	1	x	18 7/8	x	23	=	434 Sft
Khurra	30	x	2	x	2	=	120 Sft
					Total	=	1455 Sft
					Net	=	**26815 Sft**

@ 3320.60 P Sft 890419 /-

26. Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects 2' deep,without back.

	2x3	x	2	x	2 3/4	=	33 Sft
					Total	=	**33 Sft**
						@	1173.40 P Sft 38722 /-

27. P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40x100 mm (1½" x4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3"wide long handles etc., and hardware any required as approved by engineer in-charge.

Nursing Counter	2	x	3	x	6 1/2	=	39 Sft
					.	=	**39 Sft**
						@	1441.20 P Sft 56207 /-

28. 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.

Nursing Counter	2	x	7	x	3 1/2	=	49 Sft
	2	x	9 3/4	x	5 1/2	=	107 Sft
					.	=	**156 Sft**
						@	1353.75 P Sft 211523 /-

Total:- 24644729 /-

Say:- 24644700 /-

Executive Engineer,
Buildings Division No.2,
Faisalabad

S/E

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

COMPARATIVE STATEMENT (E.I PORTION)

Sr. No.	Description of Items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	S/E of PVC pipe for wiring recessed in walls i/c inspection boxes, pull boxes, cutting jhurries and repairing surface. 3/4" i/dia. (20mm)	1400	P. Rft	71.4	99960	1100	P. Rft	83.70	92070	-7890	
ii	1" i/dia. (25mm)	2240	P. Rft	82.65	185136	2000	P. Rft	96.85	193700	8564	
iii	2" i/dia. (50mm)	360	P. Rft	160.05	57618	350	P. Rft	186.05	65118	7500	
iv	3" i/dia. (80mm)	320	P. Rft	203.15	65008	300	P. Rft	236.75	71025	6017	
2.	S/E of single core PVC insulated copper conductor cable in prelaid PVC pipe (Rate for cable only). 3/0.029"	8800	P. Rft	21.35	187880	8000	P. Rft	26.10	208800	20920	
ii	7/0.029"	3200	P. Rft	33.4	106880	3000	P. Rft	41.15	123450	16570	
iii	7/0.044"	1600	P. Rft	61.1	97760	1500	P. Rft	75.60	113400	15640	
iv	7/0.064"	1080	P. Rft	141.65	152982	1000	P. Rft	176.15	176150	23168	
3.	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge One way Gange Switch Large 06 Gange	36	Each	1259.4	45338	36	Each	1165.80	41969	-3370	
ii	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge One way Gange Switch Large 04 Gange	32	Each	715.8	22906	32	Each	805.80	25786	2880	
4.	S/e of ceiling rose bakelite.	150	Each	57.25	8588	150	Each	67.65	10148	1560	
5.	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life/Bush/Schenider, screws complete in all respects as approved and directed by the Engineer Incharge One way Gange Switch Small Three Pin Power Plug 15-32 Amp	50	Each	673.8	33690	50	Each	757.80	37890	4200	
6.	S/e of button holder bakelite large size.	400	Each	87.95	35180	320	Each	104.85	33552	-1628	

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
7.	Earthing of Aluminum switch etc. with G.I wire No.8-SWG in G.I pipe 1/2" dia recessed on surface wall and floor complete with 1.5 meter long G.I pipe with reducing socket 4 to 5 meter below to Ground level and 2 meter away from building plinth.	6	Each	8118.05	48708	5	Each	9635.35	48177	-532	
8.	Earthing of Metallic cases etc. with G.I. wire No. 8 SWG, in 15 mm (½") dia G.I. pipe, best quality recessed in wall, including hooks jharries and making good surface	250	Each	146	36500					-36500	
9.	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge18" sweep.	10	Each	3041.85	30419	6	Each	4454.75	26729	-3690	
10.	S/E, of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	10	Each	428	4280	6	Each	502.15	3013	-1267	
11.	S/e, of bell push or bed switch, with 5 metres twin flexible wire 23/0.0076".	10	Each	512.75	5128	6	Each	614.25	3686	-1442	
12.	Supply and Erection of Led slim light 8"dia (18 watt) Philips or equivalent made with direct power supply (driver less) with input frequency 50 or 60 Hz having P.F>0.7 , ingress protection code IP 20 , Mech. impact protection code IK 02, Initial luminous flux 1200 lm at Lamp colour temperature 4000 K or 6000 K with 20000 Hrs useful warranty and wire etc i/c cost of labour complete in all respect.	30	Each	2040	61200					-61200	
13.	S/E of LED bulb 18-watt	400	Each	600	240000	120	Each	450.00	54000	-186000	
14.	S/E of street light pole bracket (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.	8	Each	2185.8	17486	6	Each	2555.85	15335	-2151	
15.	S/E, of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps): Philips design	8	Each	4316	34528	6	Each	5093.40	30560	-3968	
16.	S/E, of mercury vapour lamp, complete with choke set. 125 watt lamp.	8	Each	1530	12240	5	Each	1808.15	9041	-3199	
17.	S/E 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, non armoured cable (7/0.064").	600	Each	656.95	394170	450	Each	643.55	289598	-104573	

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
18.	S/E 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, non armoured cable (19/0.083"). Supplying, Installation & commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole With Adjustable Thermal-M agnetic Trip /Electronic Trip (60-100%) 32-100 Amp(36 KA)	600	Each	2605.05	1563030					-1563030	
19.		6	Each	37217.8	223307	6	Each	37234.30	223406	99	
		Total =			**376992 1/-**		**Total =**		**1896600 /-**	-1873321	
		Say =			**3769900 /-**		**Say =**		**1896600 /-**	-1873300	

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

Comperative E.I

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

Based on MRS 2nd Bi-annual 2022

(E.I. PORTION)

1.	S/E of PVC pipe for wiring recessed in walls i/c inspection boxes, pull boxes, cutting jhurries and				
i.	3/4" i/dia. (20mm)	1100 Rft	83.70	P Rft	92070 /-
ii.	1" i/dia. (25mm)	2000 Rft	96.85	P Rft	193700 /-
iii.	2" i/dia. (50mm)	350 Rft	186.05	P Rft	65118 /-
iv.	3" i/dia. (80mm)	300 Rft	236.75	P Rft	71025 /-
2.	S/E of single core PVC insulated copper conductor cable in prelaid PVC pipe (Rate for cable only).				
i.	3/0.029"	8000 Rft	26.10	P Rft	208800 /-
ii.	7/0.029"	3000 Rft	41.15	P Rft	123450 /-
iii.	7/0.044"	1500 Rft	75.60	P Rft	113400 /-
iv.	7/0.064"	1000 Rft	176.15	P Rft	176150 /-
3. i.	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge **One way Gange Switch Large 06 Gange**	36 No.	1165.80	Each	41969 /-
ii.	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge **One way Gange Switch Large 04 Gange**	32 No.	805.80	Each	25786 /-
4.	S/e of ceiling rose bakelite.	150 No.	67.65	Each	10148 /-
5.	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life/Bush/Schenider, screws complete in all respects as approved and directed by the Engineer Incharge **One way Gange Switch Small Three Pin Power Plug 15-32 Amp**	50 No.	757.80	Each	37890 /-
6.	S/e of button holder bakelite large size.	320 No.	104.85	Each	33552 /-
7.	Earthing of Aluminum switch etc. with G.I wire No.8-SWG in G.I pipe 1/2" dia recessed on surface wall and floor complete with 1.5 meter long G.I pipe with reducing socket 4 to 5 meter below to Ground level and 2 meter away from building plinth.	5 No.	9635.35	Each	48177 /-

8.	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge18" sweep.	6 No.	4454.75	Each	26729 /-
9.	S/E, of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	6 No.	502.15	Each	3013 /-
10.	S/e, of bell push or bed switch, with 5 metres twin flexible wire 23/0.0076".	6 No.	614.25	Each	3686 /-
11.	S/E of LED bulb 18-watt	120 No.	450.00	Each	54000 /-
12.	S/E of street light pole bracket (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.	6 No.	2555.85	Each	15335 /-
13.	S/E, of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps): Philips design	6 No.	5093.40	Each	30560 /-
14.	S/E, of mercury vapour lamp, complete with choke set. 125 watt lamp.	5 No.	1808.15	Each	9041 /-
15.	S/E 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, non armoured cable (7/0.064").	450 Rft	643.55	P Rft	289598 /-
16.	Supplying, Installation & commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole With Adjustable Thermal-M agnetic Trip /Electronic Trip (60-100%) 32-100 Amp(36 KA)	6 No	37234.30	Each	223406 /-

Total Rs: 1896600 /-

Say Rs: 1896600 /-

Executive Engineer,
Buildings Division No.2,
Faisalabad

S/E

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

COMPARATIVE STATEMENT (P.H PORTION)

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	P/F Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all	11	Each	13915.8	153074					-153074	
2.	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest (Coloured).	22	Each	2194.55	48280					-48280	
3.	Providing and fitting "P" trap 4" glazed.	59	Each	223.9	13210					-13210	
4.	P/F glazed earthen Wash Hand Basin 22"x16" i/c bracket set waste pipe and waste coupling (Coloured) with pedestal.	26	Each	3591	93366	~~12~~	~~Each~~	~~4347.45~~	~~52169~~	-41197	
5.	P/F, Plastic made low down flushing cistern 13,63 litres (3 gallons) capacity, including bracket set, copper connection, etc.(Coloured)	22	Each	2401.35	52830	12	Each	4646.6	55759	2930	
6.	P/F, Stainless steel sink with drain board, size 48"x24" including bracket set, waste pipe and waste coupling.	4	Each	5976.55	23906					-23906	
7.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	26	Each	1980.5	51493	20	Each	2231.5	44630	-6863	
8.	P/F, C.P Tee stop cock 1/2"dia.	59	Each	888.4	52416	22	Each	957.2	21058	-31357	
9.	P/F CP Double Bib Cock made of Sonex / Master / Faisal etc. complete as approved & directed by the Engineer incharge.	11	Each	1690.8	18599	22	Each	1739	38258	19659	
10.	P/F CP Muslim Shower made of Sonex / Master / Faisal etc. complete as approved & directed by the Engineer incharge.	11	Each	2170.8	23879	18	Each	2219	39942	16063	
11.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	11	Each	6600	72600	2	Each	6700	13400	-59200	
12.	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc Under Counter Vanity Basin	6	Each	6627	39762	12 Each				-39762	

S/# No.	Description of Items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
13.	P/L, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. / uPVC pipes of B.S.S. with `D' Class working pressure complete in all respects:- 4"dia.	2000	P. Rft	657.75	1315500					-1315500	
ii	____do____ 3"dia (75mm)	620	P. Rft	391.15	242513					-242513	
14.	P/L, testing & commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe 32mm	3500	P. Rft	86	301000					-301000	
ii	___do___ 40 mm dia	1240	P. Rft	129.5	160580					-160580	
				Total =	**2663007 /-**			**Total =**	**265217 /-**	-2397790	
				Say =	**2663000 /-**			**Say =**	**265200 /-**	-2397800	

Executive Engineer,
Buildings Division No.2,
Faisalabad.

SIE Jr

Sub Divisional Officer,
Buildings Sub-Division,
Chak jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

Based on MRS 2nd Bi-annual 2022

(P.H PORTION)

1.	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, ~~with pedestal~~. (Vanity Basin)	12	No.	~~4347.45~~	Each	52169 /-
2.	P/F, Plastic made low down flushing cistern 13,63 litres (3 gallons) capacity, including bracket set, copper connection, etc.(Coloured)	12	No.	4646.60	Each	55759 /-
3.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	20	No.	2231.50	Each	44630 /-
4.	P/F,chromium plated Tee stop cock 1/2"dia.	22	No.	957.20	Each	21058 /-
5.	P/F CP Double Bib Cock made of Sonex / Master / Faisal etc. complete as approved & directed by the Engineer incharge.	22	No.	1739.00	Each	38258 /-
6.	P/F CP Muslim Shower made of Sonex / Master / Faisal etc. complete as approved & directed by the Engineer incharge.	18	No.	2219.00	Each	39942 /-
7.	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	2	No.	6700.00	Each	13400 /-

Total Rs: 265217 /-

Say Rs: **265200** /-

Executive Engineer,
Buildings Division No.2,
Faisalabad.

SIE

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

COMPARATIVE STATEMENT (EXTERNAL SEWERAGE LINE I/C MANHOLES)

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	Earthwork excavation in open cutting for sewer and manhole as shown in drawings i/c shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle gravel and rock 0' to 7' depth.	25930	% 0cft	7446.05	193076	5531	% 0cft	11770.45	65102	-127974	
2.	P/L R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforce-ment, conforming to B.S. 5911: Part I: 1981, Class "L" i/c cariage of pipe from factory to site of work lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. - do- 9" dia	330	P. Rft	439.1	144903	20	P. Rft	529.9	10598	-134305	
ii	- do - 12" dia.	1690	P. Rft	639.45	1080671	407	P. Rft	697.25	283781	-796890	
3.	Construction of circular manhole size 4' dia	13	Each	51100	664300	8	Each	69000	552000	-112300	
4.	Rehandling of earth with lead upto a single throw of Kassi	19924	% 0cft	2112	42079	1835	% 0cft	2547.6	4675	-37405	
				Total =	**2125029** /-			**Total =**	**916156** /-	-1208873	
				Say =	**2125000** /-			**Say =**	**916000** /-	-1209000	

Executive Engineer,
Buildings Division No.2,
Faisalabad.

S/Engr

Sub Divisional Officer,
Buildings Sub Division
Chak jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

EXTERNAL SEWERAGE LINE I/C MANHOLES

1. Earthwork excavation in open cutting for sewer and manhole as shown in drawings i/c shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle gravel and rock 0' to 7' depth.

for 9" dia	1	x	20	x	3	x	4	= 240 Cft
for 12" dia	1	x	64	x	3 1/4	x	4	= 832 Cft
Emergency Front to OPD end	1	x	54	x	3 1/4	x	4	= 702 Cft
	1	x	69	x	3 1/4	x	4	= 897 Cft
	1	x	56	x	3 1/4	x	4	= 728 Cft
wet well to OPD end	1	x	55	x	3 1/4	x	4	= 715 Cft
	1	x	84	x	3 1/4	x	4	= 1092 Cft
	1	x	25	x	3 1/4	x	4	= 325 Cft
							Total	= **5531 Cft**

@ 11,770.45 %0Cft 65102 /-

2. i. P/L R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforce-ment, conforming to B.S. 5911: Part I: 1981, Class "L" i/c cariage of pipe from factory to site of work lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. - do- 9" dia

	1	x	20	=	20 Rft
			Total	=	**20 Rft**

@ 529.90 P Rft 10598 /-

ii. **- do - 12" dia.**

Emergency Front to OPD end	1	x	64	=	64 Rft
	1	x	54	=	54 Rft
	1	x	69	=	69 Rft
	1	x	56	=	56 Rft
wet well to OPD end	1	x	55	=	55 Rft
	1	x	84	=	84 Rft
	1	x	25	=	25 Rft
			Total	=	**407 Rft**

@ 697.25 P Rft 283781 /-

3. Construction of circular manhole size 4' dia

= 8 No.

@ 69000.00 Each 552000 /-

4. Rehandling of earth with lead upto a single throw of Kassi

Qty as item No.1				=	5531 Cft
D/d Manhole	462	x	8	=	3696 Cft
			Net	=	**1835 Cft**

@ 2547.60 %0Cft 4675 /-

Total: - 916156 /-

Say Rs: - 916000 /-

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

Sewerage

ANALYSIS OF RATE FOR CONSTRUCTION OF CIRCULAR MANHOLE UP TO 4'- 0" DIA

MRS 2nd Bi-Annual 2022

1	Excavation in open cutting for manhole as shown in drawing up to 7' depth.						
	22/7x7x7x1/2x6	=	462 Cft	@	11,770.45 %0Cft		5438 /-
2	Cement concrete brick or stone ballast 1-1/2" to 2" guage (1:6:18).						
	22/7x7x7x1/2x3/4	=	58 Cft	@	19801.40 % Cft		11485 /-
3	P/L PCC (1:3:6) plain						
	22/7x6x6x1/4x1/4	=	7 Cft	@	32941.40 % Cft		2306 /-
4	Pacca brick work in 1:6 other than building up to 10' height.						
	22/7x4-3/4x3/4x5	=	56 Cft				
	22/7x3x3/4x2	=	14 Cft				
		Total =	70 Cft	@	32271.15 % Cft		22590 /-
5	Extra for pacca brick work staining of woll circul or masonry Qty as per item No.4	=	70 Cft	@	2896.80 % Cft		2028 /-
6	Cement concrete 1:2:4 plain i/c placing compacting curing etc.						
	22/7x4x4x1/4x1/2	=	6 Cft				
	22/7x2-3/4x3/4x3/4	=	5 Cft				
		Total =	11 Cft	@	38271.80 % Cft		4210 /-
7	1/2" thick cement plaster 1:4						
	22/7x4x5.5	=	69 Sft				
	22/7x5-1/2x3	=	52 Sft				
		Total =	121 Sft	@	3289.75 % Sft		3981 /-
8	Extra for making finishing benching of floor work in manhole						
	22/7x4x4x1/4	=	13 Sft	@	2976.75 % Sft		387 /-
9	P/F 6" thick R.C.C man hole cover with tee shaped C.I frame 22" i/d complete.	=	1 Nos	@	15121.60 Each		15122 /-
10	Floating coat of neru.						
	22/7x4x6	=	75 Sft				
	Total	=	75 Sft	@	1876.70 % Sft		1408 /-
						Total:-	**68955** /-
						Say:-	**69000** /-

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

COMPARATIVE STATEMENT (PAVED AREA)

Sr. No.	Description of Items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	Excavation in foundation of buildings, bridges, and other Structure i/c dag belling, refilling, around structure with excavated earth watering & ramming lead up to one chain & lift upto 5 feet (in ordinary soil).	2400	% 0cft	8949.6	21479	933	% 0cft	10712.6	9995	-11484	
2.	P/L, watering and ramming brick ballast 1½" to 2" gauge mixed with 25% sand, for floor foundation, complete in all respects.	800	% cft	6355.8	50846	311	% cft	9447.2	29381	-21466	
3.	Pacca brick work in cement sand mortar (1:6) in F & P	3750	% cft	25594.8	959805	583	% cft	3158.85	181695	-778110	
4.	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, i/c carriage of all material to site of work from which supply 85-Km is included in the rate.	6600	% cft	10312.05	680595					-680595	
5.	P/L Tuff pavers, having 7000PSI, crushing strength of approved manufacturer, over 2"to3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect.80-mm thick.	13200	P.Sft	154.05	2033460					-2033460	
6.	Supplying filling sand under floor or plugging in well.					2595	% cft	2944.6	76422	76422	
7.	Dry rammed brick or stone ballast 1-1/2" to 2" gauge.					2595	% cft	9035.4	234499	234499	
8.	Providing and laying topping of cement concrete 1:2:4 including surface finishing and dividing in panels 3"(75 mm) thick					7785	% Sft	11956.9	930845	930845	

Sr. No.	Description of items	As per Ammended Rough cost Estimate based on (1st Biannual 2022)				As per Revised Rough Cost Estimate based on (2nd Biannual 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
9.	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" (40 x 10 mm)					4671	P.Rft	19.8	92486	92486	
10.	Cement plaster 1:4 upto 20' (6.00 m) heigh 1/2" thick					467	% Sft	3289.75	15347	15347	
				Total =	**3746185 /-**			**Total =**	**1570669 /-**	-2175516	
				Say =	**3746000 /-**			**Say =**	**1570700 /-**	-2175300	

Executive Engineer,
Buildings Division No.2,
Faisalabad.

S/Engr

Sub Divisional Officer,
Buildings Sub Division,
Chak jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

2nd Bi-Annual Period 2022

PAVED AREA

1. Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) By Manual in ordinary soil.

wet well sides	1	x 52	x	2	x	1 1/2	=	156 Cft
//	1	x 57	x	2	x	1 1/2	=	171 Cft
OPD R/side road	1	x 152	x	2	x	1 1/2	=	456 Cft
//	1	50	x	2	x	1 1/2	=	150 Sft
						Total	=	**933 Cft**

@ 10712.60 %Cft 9995 /-

2. P/L, watering and ramming brick ballast 1½" to 2" gauge mixed with 25% sand, for floor foundation, complete in all respects.

wet well sides	1	x 52	x	2	x	1/2	=	52 Cft
//	1	x 57	x	2	x	1/2	=	57 Cft
OPD R/side road	1	x 152	x	2	x	1/2	=	152 Cft
//	1	50	x	2	x	1/2	=	50 Sft
						Total	=	**311 Cft**

@ 9447.20 %Cft 29381 /-

3. Pacca brick work in cement sand mortar (1:6) in F & P

wet well sides	1	x 52	x	1 1/2	x	1/2	=	39 Cft
//	1	x 52	x	1 1/8	x	1/2	=	29 Cft
//	1	x 52	x	3/4	x	3/4	=	29 Cft
wet well sides	1	x 57	x	1 1/2	x	1/2	=	43 Cft
//	1	x 57	x	1 1/8	x	1/2	=	32 Cft
//	1	x 57	x	3/4	x	3/4	=	32 Cft
OPD R/side road	1	x 152	x	1 1/2	x	1/2	=	114 Cft
//	1	x 152	x	1 1/8	x	1/2	=	86 Cft
//	1	x 152	x	3/4	x	3/4	=	86 Cft
//	1	x 50	x	1 1/2	x	1/2	=	38 Cft
//	1	x 50	x	1 1/8	x	1/2	=	28 Cft
//	1	x 50	x	3/4	x	3/4	=	28 Cft
						Total	=	**583 Cft**

@ 31158.85 %Cft 181695 /-

4. Supplying filling sand under floor or plugging in well.

Around the wet well	1	x 52	x	57	x	1/3	=	988 Cft
//	1	x 34	x	7	x	1/3	=	79 Cft
OPD R/side road	1	x 152	x	26 1/2	x	1/3	=	1343 Cft
//	1	x 50	x	20	x	1/3	=	333 Cft
						Total	=	**2743 Cft**

D/d

//	3 1/7	x	(21x21)/4	x	1/3	=	115 Cft	
//	1	x	16 1/2 x 6	x	1/3	=	33 Cft	
					Total	=	**148 Cft**	
					Net	=	**2595 Cft**	
						@	2944.60 %Cft	76422 /-

5. Dry rammed brick or stone ballast 1-1/2" to 2" gauge.

Take Qty as obove item = 2595 = 2595 Cft

@ 9035.40 %Cft 234499 /-

6. Providing and laying ~~topping of cement concrete 1:2:4~~ including surface finishing and dividing in panels 3"(75 mm) thick

Around the wet well	1	x	52	x	57	=	2964 Sft	
//	1	x	34	x	7	=	238 Sft	
OPD R/side road	1	x	152	x	26 1/2	=	4028 Sft	
//	1	x	50	x	20	=	1000 Sft	
					Total	=	**8230 Sft**	

D/d

//	3 1/7	x	(21x21)/4			=	346 Sft	
//	1	x	16 1/2 x 6			=	99 Sft	
					Total	=	**445** Sft	
					Net	=	**7785** Sft	
						@	~~11956.90 %Sft~~	~~930845 /-~~

7. Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" (40 x 10 mm)

~~Take Qty as above item = 7785 x 60% = 4671 Rft~~

@ ~~19.80 P.Rft~~ 92486 /-

8. Cement plaster 1:4 upto 20' (6.00 m) heigh 1/2" thick

Around the wet well	2	x	52	x	3/4	=	78 Sft	
//	2	x	57	x	3/4	=	86 Sft	
OPD R/side road	2	x	152	x	3/4	=	228 Sft	
//	2	x	50	x	3/4	=	75 Sft	
					Total	=	**467** Sft	
						@	3289.75 %Sft	15347 /-

Total:- **1570669** /-

Say:- ~~**1570700**~~ /-

1232282

Executive Engineer,
Buildings Division No.2,
Faisalabad

SIE

Sub Divisional Officer,
Buildings Sub Division,
Chak Jhumra

REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF ALL THQ HOSPITALS IN PUNJAB "ONE AT TEHSIL HEAD QUARTER HOSPITAL CHAK JHUMRA DISTRICT FAISALABAD" (ADP NO.792 FOR THE YEAR 2021-22)

External E.I

S.#	Description	Qty:	Unit	Rate	Amount
A	**L.T. (LV) SUB-STATION EQUIPMENT:**				
1	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN& E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally)				
	ATS for Dual Supply (Incoming from 630 KVA Transformers)				
	c) **2.50 Ft deep**				
	(ii) 630 KVA	1	each	5100513	5100513
	Incoming Breakers for ATS for Dual Supply (Incoming from 630 KVA Transformers)				
	1 Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	a) **Tripple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip (60-100%)**				
	(a) Tripple Pole 1250A(50 KA) (One for Each 630 KVATransformer)	2	each	234034	468069
	Outgoing Breakers for ATS for Dual Supply (Incoming from 630 KVA Transformers)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 400A(36 KA)	2	each	62434	124869
	(a) Tripple Pole 200A(36 KA)	4	each	39814	159257
2	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN& E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge (Breakers wil be paid additionally)				
	ATS for Generators (Incoming from 100 KVA Generators)				
	a) **1.00 Ft deep**				
	(ii) 100 KVA	1	each	801448	801448
	Incoming Breakers for ATS for Generators (Incoming from 100 KVA Generators)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA) (One for Each 100 KVA Generator)	2	each	39814	79628
	Outgoing Breakers for ATS for Generators (Incoming from 100 KVA Generators)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA)	2	each	39814	79629
3	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN& E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally)				
	ATS for Transformers and Generators (Incoming from ATS for Dual Supply and ATS for Generators)				
	a) **1.00 Ft deep**				
	(ii) 100 KVA	1	each	801448	801448
	Incoming Breakers for ATS for Transformers and Generators (Incoming from ATS for Dual Supply and ATS for Generators)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA) (One for Incoming from ATS for Dual Supply and One for Incoming from ATS for Generators)	2	each	39814	79628
	Outgoing Breakers for ATS for Transformers and Generators (Incoming from ATS for Dual Supply and ATS for Generators)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA)	2	each	39814	79628
4	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB for ACs				
	Incoming from ATS for Dual Supply				
	(i) **LT Switchboards**				
	a) 2.50 Ft deep				
	(a) 400A (3.0x6'x2.5')	45	Each	3493	157172
	Incoming Breaker for Main DB for ACs				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 400A(36 KA)	1	each	62434	62434
	Outgoing Breakers for Main DB for ACs				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 150A(36 KA)	4	each	18094	72377
5	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Sub Main DBs for ACs				
	Incoming from Main DB for ACs				
	(a) **12" deep**				

S.#		Description	Qty:	Unit	Rate	Amount
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 150A(36 KA) (1*3=3)	3	each	18094	54283
		Outgoing Breakers for Sub Main DBs for ACs				
	1	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(10 KA) (3*3=9)	9	each	8434	75909
	(b)	Tripple Pole 32A(10 KA) (3*3=9)	9	each	8434	75909
	(c)	Single Pole 32A(10 KA) (6*3=18)	18	each	1300	23399
	(d)	Single Pole 16A(10 KA) (8*3=24)	24	each	1300	31199
6		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Main DBs for Lighting				
		Incoming from Main DBs for Lighting				
	(b)	**12" deep**				
		(ii) 200A (3'x4'x12") (1*2=2) 3*12=36	0		4,512.80	162460.8
		Incoming Breakers for Main DBs for Lighting				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) (1*3=3)	3	each	39,814.30	119442.9
		Outgoing Breakers for Main DBs for Lighting				
	1	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 32A(10 KA) (3*3=9)	9	each	8,434.30	75908.7
	(b)	Single Pole 32A(10 KA) (4*3=12)	12	each	1299.95	15599.4
	(c)	Single Pole 16A(10 KA) (4*3=12)	12	each	1,299.95	15599.4
	(d)	Single Pole 10A(10 KA) (6*3=18)	18	each	1,299.95	23399.1
B		**LT POWER CABLE.**				
		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
	1	400 mm sq (61/0.114") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(for 630 KVA Transformers)**	50	rft	14,938.05	746902.5
	2	150 mm sq (61/0.114") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(for Main DB for ACs)**	100	rft	5,687.15	568715
	3	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(for 100 KVA Generators and for Incoming from ATS for Dual Supply to ATS for Generators)**	300	rft	3,676.95	1103085
	4	70 mm sq (19/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(for Sub Main DBs for ACs and for Main DBs for Lighting)**	200	rft	2,656.70	531340
	5	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for ACs)**	200	rft	160.75	32150
					TOTAL	11860352

Executive Engineer
Buildings Division No. 2
Faisalabad

SIE

Sub Divisional Officer
Buildings Sub Division
Chak Jhumra

Detail For Converting Of RHC Rooms into Waiting Hall

BASED ON 2nd BI-ANNUAL 2022

1 Dismantling Brick work in lime or cement mortor.

x-ray room	1	x	35 1/4	x	3/4	x	12	=	317 Cft
	1	x	8	x	3/4	x	12	=	72 Cft
	1	x	23 1/4	x	3/4	x	12	=	209 Cft
	1	x	23 5/8	x	3/4	x	12	=	213 Cft
	3	x	19 1/8	x	3/4	x	12	=	516 Cft
	1	x	16	x	3/4	x	12	=	144 Cft
H/Walls									
	2	x	77 7/8	x	1 1/8	x	12	=	2103 Cft
	1	x	34	x	1 1/8	x	12	=	459 Cft
	1	x	14 3/4	x	3/4	x	12	=	133 Cft
	1	x	7	x	3/4	x	12	=	63 Cft
	1	x	12	x	1 1/8	x	12	=	162 Cft
	1	x	21 3/4	x	1 1/8	x	12	=	294 Cft
	2	x	19	x	1 1/8	x	12	=	513 Cft
V/Walls									
	8	x	14	x	1 1/8	x	12	=	1512 Cft
	1	x	25 1/4	x	1 1/8	x	12	=	341 Cft
	2	x	24 5/8	x	1 1/8	x	12	=	665 Cft
	1	x	8 3/4	x	3/4	x	12	=	79 Cft
	1	x	15 1/8	x	1 1/8	x	12	=	204 Cft
							Total	=	7999 Cft

Deduction

Door									
//	1	x	6	x	3/4	x	8 1/2	=	38 Cft
//	2	x	3 1/2	x	3/4	x	8 1/2	=	45 Cft
//	2	x	4 1/2	x	3/4	x	8 1/2	=	57 Cft
//	2	x	4	x	1 1/8	x	7	=	63 Cft
//	10	x	4	x	1 1/8	x	8 1/2	=	383 Cft
//	6	x	2 1/2	x	3/4	x	7	=	79 Cft
Window									
//	16	x	6	x	1 1/8	x	5 1/2	=	594 Cft
//	4	x	3 1/2	x	1 1/8	x	5 1/2	=	87 Cft
//	2	x	4	x	1 1/8	x	5 1/2	=	50 Cft
							Total	=	1396 Cft
							Net	=	**6603 Cft**
								@	4330.90 % Cft 285969

2. Dismantling cement concrete with brick aggregate.

1	1	x	8	x	8 1/4	=	66 Sft
2	1	x	8	x	9	=	72 Sft

3	1	x	13	x	18 3/4	=	244	Sft			
4	1	x	22 7/8	x	16	=	366	Sft			
//	1	x	11 3/4	x	19 1/8	=	225	Sft			
5	1	x	19	x	9 1/2	=	181	Sft			
6	1	x	12	x	9	=	108	Sft			
7	1	x	12	x	14	=	168	Sft			
8	1	x	6	x	14 3/4	=	89	Sft			
9	1	x	21 7/8	x	14 3/4	=	323	Sft			
10	1	x	19 1/8	x	9 1/2	=	182	Sft			
11	1	x	12	x	14	=	168	Sft			
12	1	x	6	x	14 3/4	=	89	Sft			
13	1	x	10 1/2	x	8 3/4	=	92	Sft			
14	1	x	10 1/2	x	8 3/4	=	92	Sft			
15	1	x	50 1/2	x	9	=	455	Sft			
//	1	x	27 3/4	x	10 1/2	=	291	Sft			
18	1	x	12	x	14	=	168	Sft			
19	1	x	11 5/6	x	14	=	166	Sft			
20	1	x	7	x	6 1/2	=	46	Sft			
21	1	x	7	x	6 1/2	=	46	Sft			
24	1	x	12	x	14	=	168	Sft			
25	1	x	11 3/4	x	12	=	141	Sft			
26	1	x	7	x	12	=	84	Sft			
27	1	x	7	x	14 1/4	=	100	Sft			
					Total	=	**4130**	**Sft**	**A**		
			A								
Conversion	**=**		**4130**	**x**	**1/6**	**=**	**690**	**Cft**			
					Total	=	**690**	Cft			
							@		3057.10	% Cft	21085

3 Removing door with chowkat.

door	23	=	23	No		
			@		448.45	each Rs 10314 /-

4 Removing windows and sky lights with chowkat.

	22	=	22	No		
	Total		22	No		
			@		350.45	each Rs 7710 /-

5 Excavation in foundation of building bridges and structural member i/c cutting dag belling dressing re filling around the structure in o/soil

10	x	5	x	5	x	4	=	1000	cft				

						=	1000	Cft		
							@		10712.60	%0Cft	Rs.	10713 /-

6 Cement concrete brick or stone ballast 1½" to 2" gauge in foundation and plinth (1:6:18).

10	x	5	x	5	x	1/2	=	125	Cft		
						Total =	125	Cft			
						@			19801.40	%Cft	Rs.	24752 /-

7 Reinforced cement concrete in Raft/strip foundation laid in situ or pre cast laid in position pre stresed members cast in situ complete in all respect Type 'C' Nominal mixture (1:2:4)

10	x	5	x	5	x	1	=	250	Cft		
						Total =	250	Cft			
						@			460.05	Cft	Rs.	115013 /-

8 RCC in roof slab, beams, column, lintels girder and other structural member laid in situ / precast laid in position in prestressed member complete in all respect type 'B' nominal mixture ratio (1:1 1/2:3) G/F

COLS	10	x 1 1/4	x 1 1/4	x 13 1/2	=	211	Cft	
BEAMS	2	x 30 3/4	x 3/4	x 1 1/4	=	58	Cft	
	1	x 14	x 3/4	x 1 1/4	=	13	Cft	
	6	x 15	x 3/4	x 1 1/4	=	84	Cft	
	3	x 8 1/4	x 3/4	x 1 1/4	=	23	Cft	
	1	x 29 3/4	x 3/4	x 1 1/4	=	28	Cft	
	1	x 21 1/4	x 3/4	x 1 1/4	=	20	Cft	
	3	x 13 1/4	x 3/4	x 1 1/4	=	37	Cft	
	2	x 20 1/4	x 3/4	x 1 1/4	=	38	Cft	
	1	x 29	x 3/4	x 1 1/4	=	27	Cft	
	2	x 7 1/4	x 3/4	x 1 1/4	=	14	Cft	
	2	x 10 3/8	x 3/4	x 1 1/4	=	19	Cft	
	4	x 14 3/4	x 3/4	x 1 1/4	=	55	Cft	
	3	x 11 1/2	x 3/4	x 1 1/4	=	32	Cft	
	1	x 21 7/8	x 3/4	x 1 1/4	=	21	Cft	
	1	x 9 3/4	x 3/4	x 1 1/4	=	9	Cft	
					Total =	690	Cft	
					@		615.05	P-Cft	Rs.	424312 /-

9. Fabrication of mild steel reinforcement for cement concrete i/c outing bending laying in position making joints and fasting i/c cost of binding wire and labour charges for binding of teel reinforcement Deforms bars.

Qty as per item No.10 =	250	x	8	x 0.454	=	907	Kg
Qty as per item No.11 =	690	x	8	x 0.454	=	2503	Kg
				Total	=	3410	Kg

								@	31,427.95	%Cft	Rs.	1071693 /-
10	1/2" thick cement plaster 1:5 upto 20ft. Height.											
		3 x	49 3/4	x	12			=	1791	Sft		
		2 x	62 1/4	x	12			=	1494	Sft		
		1 x	15 1/8	x	12			=	182	Sft		
		1 x	23 1/4	x	12			=	279	Sft		
								Total =	3746	Sft		
								@	3,140.70	%Sft	Rs.	117635 /-
11	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height 1:3											
	Beam side	2 x	2	x	30 3/4	x	1 1/4	=	154	Cft		
		1 x	2	x	14	x	1 1/4	=	35	Cft		
		6 x	2	x	15	x	1 1/4	=	225	Cft		
		3 x	2	x	8 1/4	x	1 1/4	=	62	Cft		
		1 x	2	x	29 3/4	x	1 1/4	=	74	Cft		
		1 x	2	x	21 1/4	x	1 1/4	=	53	Cft		
		3 x	2	x	13 1/4	x	1 1/4	=	99	Cft		
		2 x	2	x	20 1/4	x	1 1/4	=	101	Cft		
		1 x	2	x	29	x	1 1/4	=	73	Cft		
		2 x	2	x	7 1/4	x	1 1/4	=	36	Cft		
		2 x	2	x	10 3/8	x	1 1/4	=	52	Cft		
		4 x	2	x	14 3/4	x	1 1/4	=	148	Cft		
		3 x	2	x	11 1/2	x	1 1/4	=	86	Cft		
		1 x	2	x	21 7/8	x	1 1/4	=	55	Cft		
		1 x	2	x	9 3/4	x	1 1/4	=	24	Cft		
	Bottom	2 x	1	x	30 3/4	x	3/4	=	46	Cft		
		1 x	1	x	14	x	3/4	=	11	Cft		
		6 x	1	x	15	x	3/4	=	68	Cft		
		3 x	1	x	8 1/4	x	3/4	=	19	Cft		
		1 x	1	x	29 3/4	x	3/4	=	22	Cft		
		1 x	1	x	21 1/4	x	3/4	=	16	Cft		
		3 x	1	x	13 1/4	x	3/4	=	30	Cft		
		2 x	1	x	20 1/4	x	3/4	=	30	Cft		
		1 x	1	x	29	x	3/4	=	22	Cft		
		2 x	1	x	7 1/4	x	3/4	=	11	Cft		
		2 x	1	x	10 3/8	x	3/4	=	16	Cft		
		4 x	1	x	14 3/4	x	3/4	=	44	Cft		
		3 x	1	x	11 1/2	x	3/4	=	26	Cft		
		1 x	1	x	21 7/8	x	3/4	=	16	Cft		
		1 x	1	x	9 3/4	x	3/4	=	7	Cft		
								Total =	1660	Sft		
								@	3,765.60	%Sft	Rs.	62522 /-
12.	S/laying polythene sheet 500 gauge under floors.											
		Qty as item no 2			4130			=	4130	Sft		
								Total =	4130	Sft		

						@	8.05	P-Sft	Rs. 33247 /-

13. Dry rammed brick or stone ballast 1-1/2" to 2" gauge.

Qty as item no 2	4130	x	1/3	=	1375	Cft	
			Total	=	1375	Cft	
				@	9,035.40	%Cft	Rs. 124263 /-

14. Cement concrete plain including placing,compacting, finishing and curing complete (including screening and **Flooring**

Qty as item no 2	4130	x	1/6	=	690	Cft	
			Total	=	690	Cft	
				@	Rs. 38271.8	%Cft	264075 /-

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

Doors

2	x	4	x	8-1/2	=	68	Sft		
				Total	=	68	Sft		
					@	1441.2	P-Sft	Rs.	98002 /-

16. extra for rent of props to support the roof slab as approved by E.I

1	x	49-3/4	x	62-1/4	=	3097	Sft		
				Total	=	3097	Sft		
					@	100	P-Sft	Rs.	309694 /-
							Total	=	2673944 /-
					D/d old Material			=	622044 /-
							Net		**2051900**

Sub Divisional Officer,
Buildings Sub Division
Chak Jhumra

COST OF OLD MATERIAL

(Based on MRS 2nd Bi-annual 2022)

2.	Bricks							
		6603 x 60/100 x	13.5	=	53484 Nos			
					@	6000	0% No	320904 /-
4.	Bricks bats							
		6603 x 40/100		=	2641 Cft			
			Total	=	2641 Cft			
					@	4000	% Cft	105640 /-
5.	wooden door							
				=	19 No			
					@	4500	Each	85500 /-
6.	Steel door							
				=	1 No			
					@	10000	Each	10000 /-
7.	Grill door							
				=	1 No			
					@	8000	Each	8000 /-
8.	Aluminium door							
				=	2 No			
					@	10000	Each	20000 /-
10.	Aluminium Window							
				=	2 No			
					@	6000	Each	12000 /-
11.	Wooden window							
				=	20 No			
					@	3000	Each	60000 /-
							Total	**622044 /-**

SUB DIVISIONAL OFFICER
Buildings Sub Division
Chak Jhumra

STATEMENT SHOWING PLINTH AREA RATES WITH IMPROVED SPECIFICATIONS FOR DIFFERENT TYPES OF BUILDINGS IN PUNJAB BUILDINGS DEPARTMENT (CENTRAL ZONE), LAHORE.

2nd BI-ANNUAL 2022 (PERIOD 1st July 2022 to 31st Dec 2022)

Sr. No.	TYPE OF BUILDING	UNIT	LAHORE	NANKANA SAHIB	SHEIKHUPURA	KASUR	FAISALABAD	CHINIOT	T.T. SINGH	JHANG	SAHIWAL	OKARA	PAKPATTAN
	NON-RESIDENTIAL BUILDINGS :		LAHORE				FAISALABAD				SAHIWAL		
1	SCHOOLS	P.Sft.	3534	3534	3534	3534	3326	3326	3326	3326	3294	3294	3294
2	COLLEGES	P.Sft.	3825	3825	3825	3825	3672	3672	3672	3672	3607	3607	3607
3	HOSTELS	P.Sft.	3800	3800	3800	3800	3640	3640	3640	3640	3585	3585	3585
4	HOSPITALS	P.Sft.	3820	3820	3820	3820	3661	3661	3661	3661	3585	3585	3585
5	MISC. BUILDINGS	P.Sft.	3828	3828	3828	3828	3674	3674	3674	3674	3624	3624	3624
6	MULTI PURPOSE HALL WITH PRE-CAST / PRE-STRESSED RCC 2-T ROOF ON HALL (CEILING HEIGHT=23' ft)	P.Sft.	3189	3189	3189	3189	3060	3060	3060	3060	3026	3026	3026
7	GARAGE / CYCLE STAND	P.Sft.	2813	2813	2813	2813	2663	2663	2663	2663	2600	2600	2600
	RESIDENTIAL BUILDINGS :												
8	B.P.S. No. 1-10	P.Sft.	4909	4909	4909	4909	4710	4710	4710	4710	4610	4610	4610
9	B.P.S. No. 11-14	P.Sft.	4650	4650	4650	4650	4427	4427	4427	4427	4341	4341	4341
10	B.P.S. No. 15-17	P.Sft.	4402	4402	4402	4402	4168	4168	4168	4168	4091	4091	4091
11	B.P.S. No. 18-19	P.Sft.	4369	4369	4369	4369	4207	4207	4207	4207	4142	4142	4142
12	B.P.S. No. 20 & ABOVE	P.Sft.	4609	4609	4609	4609	4370	4370	4370	4370	4313	4313	4313
13	COMPOUND WALL 4.5" thick, & 6.0 ft. Height above Plinth Level	P.Rft.	2690	2690	2690	2690	2487	2487	2487	2487	2353	2353	2353
14	BOUNDARY WALL 9" thick, & 6.0 ft. Height above Plinth Level	P.Rft.	3979	3979	3979	3979	3657	3657	3657	3657	3440	3440	3440
15	SECURITY WALL 9" thick, & 8.0 ft. Height above Plinth Level	P.Rft.	8006	8006	8006	8006	7690	7690	7690	7690	7502	7502	7502
16	INTERNAL ELECTRIC INSTALLATION EXCEPT CYCLE STAND & GARAGES	P.Sft.	228	228	228	228	228	228	228	228	228	228	228
17	INTERNAL PUBLIC HEALTH PORTION	P.Sft.	120	120	120	120	120	120	120	120	119	119	119
18	INTERNAL SUI GAS	P.Sft.	56	56	56	56	56	56	56	56	56	56	56
19	INTERNAL ELECTRIC INSTALLATION FOR CYCLE STAND & GARAGES	P.Sft.	128	128	128	128	128	128	128	128	128	128	128
	ADDITIONS / REDUCTIONS IN PLINTH AREA RATES :												
20	ADD FOR STRIP / ISOLATED COLUMN FOOTING	P.Sft.	597	597	597	597	613	613	613	613	615	615	615
21	ADD FOR EACH 1' ft ADDITIONAL HEIGHT ABOVE 12' ft	P.Sft.	85	85	85	85	78	78	78	78	73	73	73
22	ADD FOR EACH 1' ft DEEPER FOUNDATION	P.Sft.	76	76	76	76	70	70	70	70	65	65	65
23	ADD FOR RIBBED RAFT FOUNDATION (Five Storeys)	P.Sft.	2427	2427	2427	2427	2552	2552	2552	2552	2568	2568	2568
24	ADD FOR FLAT RAFT FOUNDATION (Five Storeys)	P.Sft.	2177	2177	2177	2177	2241	2241	2241	2241	2317	2317	2317
25	ADD FOR BASEMENT (PROVISION FOR STEM OF RCC RETAINING WALL ONLY)	P.Sft.	1592	1592	1592	1592	1582	1582	1582	1582	1645	1645	1645
26	ADD FOR FOUNDATION FOR FIRST FLOOR AND SUBSEQUENT FLOORS	P.Sft.	167	167	167	167	150	150	150	150	140	140	140
27	ADD FOR FRAME STRUCTURE FOR EACH FLOOR	P.Sft.	850	850	850	850	839	839	839	839	872	872	872
28	REDUCE COST OF FOUNDATION FOR FIRST FLOOR AND SUBSEQUENT FLOORS	P.Sft.	574	574	574	574	532	532	532	532	504	504	504
29	ADD FOR FIRST FLOOR AND SUBSEQUENT FLOORS	P.Sft.	167	167	167	167	150	150	150	150	140	140	140

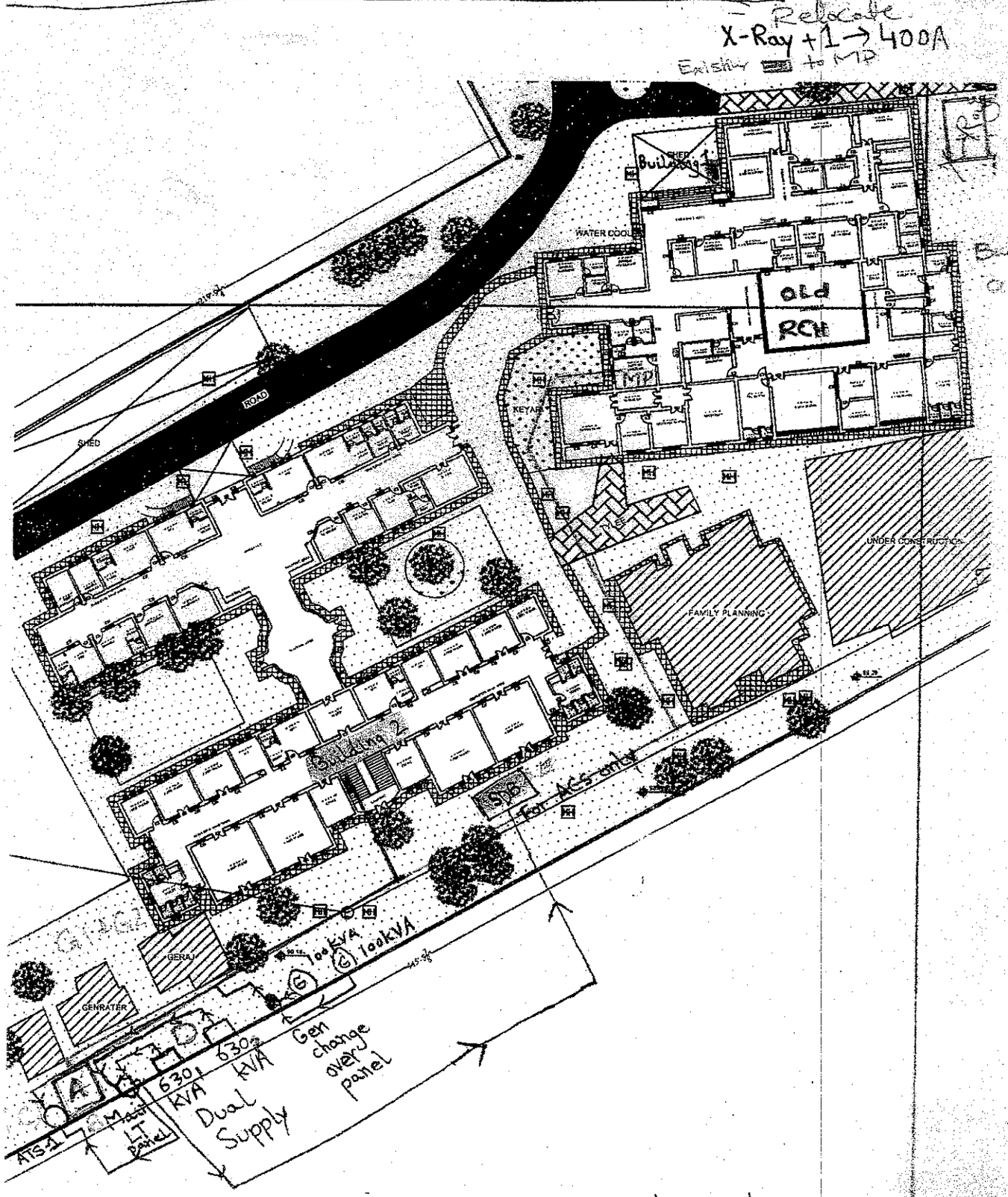
Notes:-

i. These rates are prepared on the basis of standard drawings / improved specifications, normal bearing capacity 0.75 Tsf, normal plinth level 4-ft above ground Level and foundation 3ft deep from NSL.
ii. The raft foundation has been taken for five storeys. The rate for same will be increased or decreased proportionately depending on number of storeys.
iii. The rates for mild steel reinforcement are based on local billet.
iv. The boundary wall of 8'-0" height is with RCC column at 10' c/c 12"x8" & Plinth beam 12"x9 " with RCC coping as per design provided by the Director P&D.
v. Rates at serial No.4 are inclusive of 2" thick high density Polystyrene XPS board to be installed on roof for insulation.
vi. The Plinth area rates are inclusive of carriage for crushed stone aggregate/ bajri from approved quarry to the site of work.
vii. Improved Specifications include following for all Residential / Non-Residential Buildings as follows:-
Aluminum Windows, Solid Wooden Doors, Porcelain Tiles / Marble 24"x24" for floors with matching Skirting, Ceramic Tiles (12"x18"/12"x24"/10"x24" /8"x24"/12"x36") for wash rooms, Plastic Emulsion for interior surface, Weather Shield Paint + Cement Plaster for exterior surface, Bosch / Hilva Electrics Fittings, PPRC / G I pipes for water supply except
a) Mosaic tiles 12"x12"x1" for Residence Grade 1-10 and 24"x24"x2" for Schools, Porcelain tiles 16"x16" for Residence Grade 11-14.
b) Vinyl Emulsion for Residence Grade 1-10 and Grade 11-14.
c) Stainless Steel Railing for Residences Grade 15-17, 18-19 and 20 & Above.
d) Solid Flush Doors in Residences Grade 1-10, 11-14 & 15-17.

CHIEF DRAFTSMAN

DEPUTY DIRECTOR-II

THQ Hospital Chak Jhumra



→One 100kVA generator is operational at a time.
→Second 100kVA generator is used for backup.

THQ HOSPITAL
CHAK JUMRA

PROJECT :

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO21010593
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO21010593
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	37.000	20.545	3.292	3.358	4.892	7.785	76.873
Utilization	17.809	20.221	3.290	2.939	4.831	1.136	50.228

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	29.240	29.240
Utilization	0	0	0	0	0	0	0

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

Impact of Delays on Project Cost and Viability

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

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

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

The Targets of Sustainable Development Goals (SDGs) will be achieved
The Human Development Index of Pakistan (HDI) will improve
Infant Mortality Rate will decrease
Mother Mortality rate will be decreased
The international commitments of Pakistan will be accomplished
Health standard of public will
Better Health Facilities to mother and
Prompt and scientific facility for operation
Rehabilitation of disables and injured
Blindness in this area will be decreased and controlled
Better social and mental health to addict
Provision of better health facilities at doorsteps
Awareness and control for communicable
Survival of heart failure
Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee
Laboratory fees
Diagnostic facility fees
Dental fee
ECG fee
Private room charges

Ambulance charges

From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name: Mr. KHIZAR HAYAT **Designation:**Project Director, PMU P&SHD
Email: **Tel. No.:**
Fax No:
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

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17. RELATION WITH OTHER PROJECTS