PC-1

Revamping of THQ Hospital, Mailsi District Vehari

ORIGINAL APPROVED COST	**PKR Million. 344.270/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Mailsi District Vehari

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. VEHARI

2.2. TEHSIL(S)

I. MAILSI

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	**GS No:**5284
3	**Total Allocation:**0.000
4	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

ATTACHED

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

In this regard, a dedicated team of Project Management Unit (PMU) has been established to execute the project. PMU's office is located at 31-E/1, Shahrah-e-Imam Hussain, Gulberg-III, near 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.

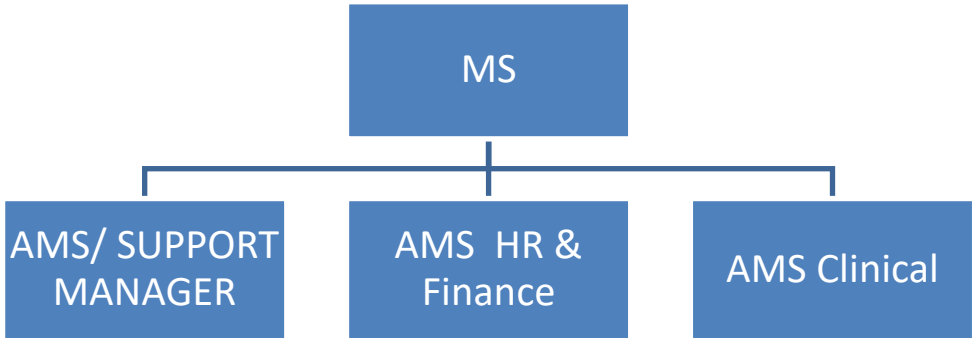
5.4.5 Security

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

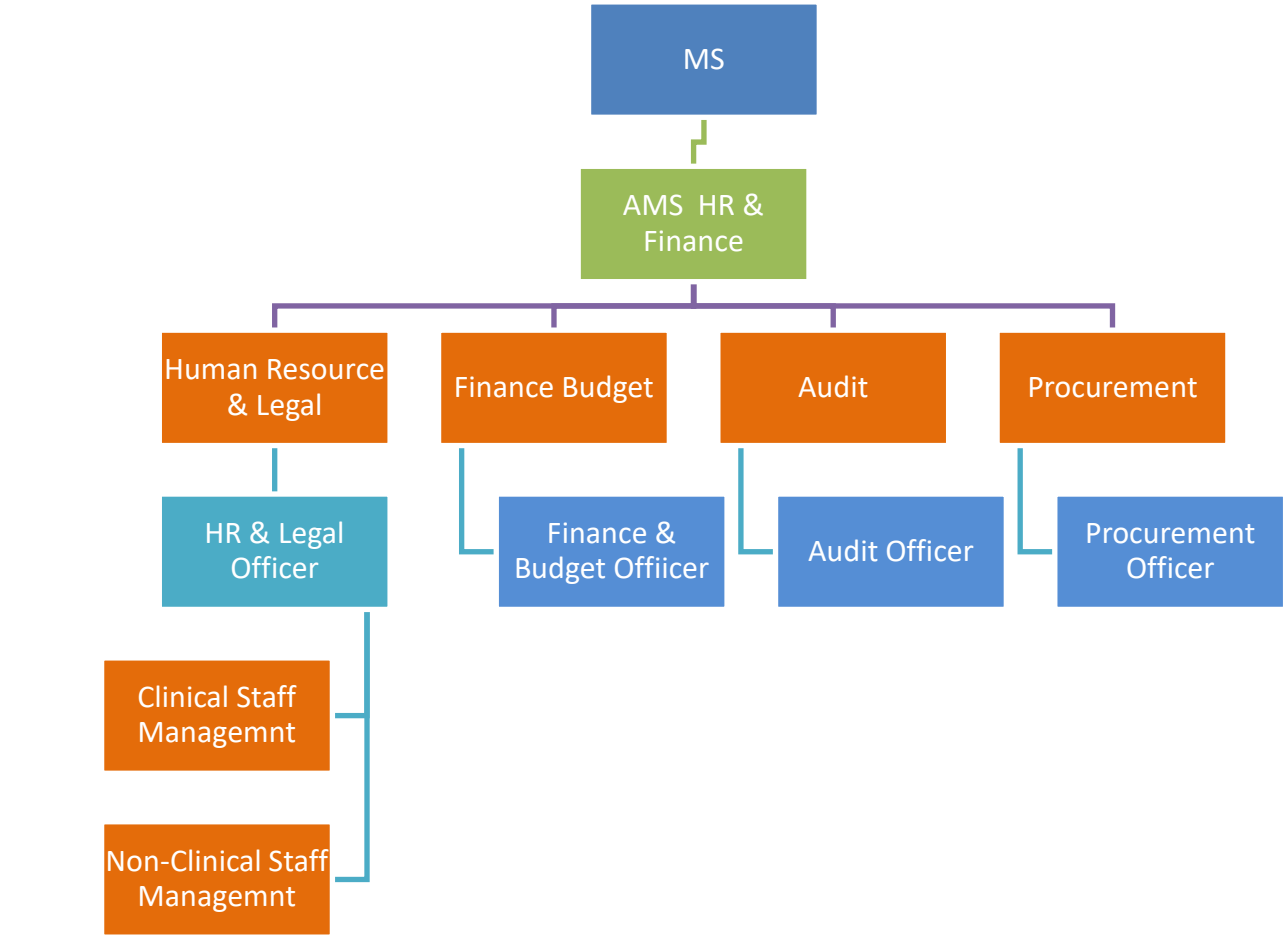
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

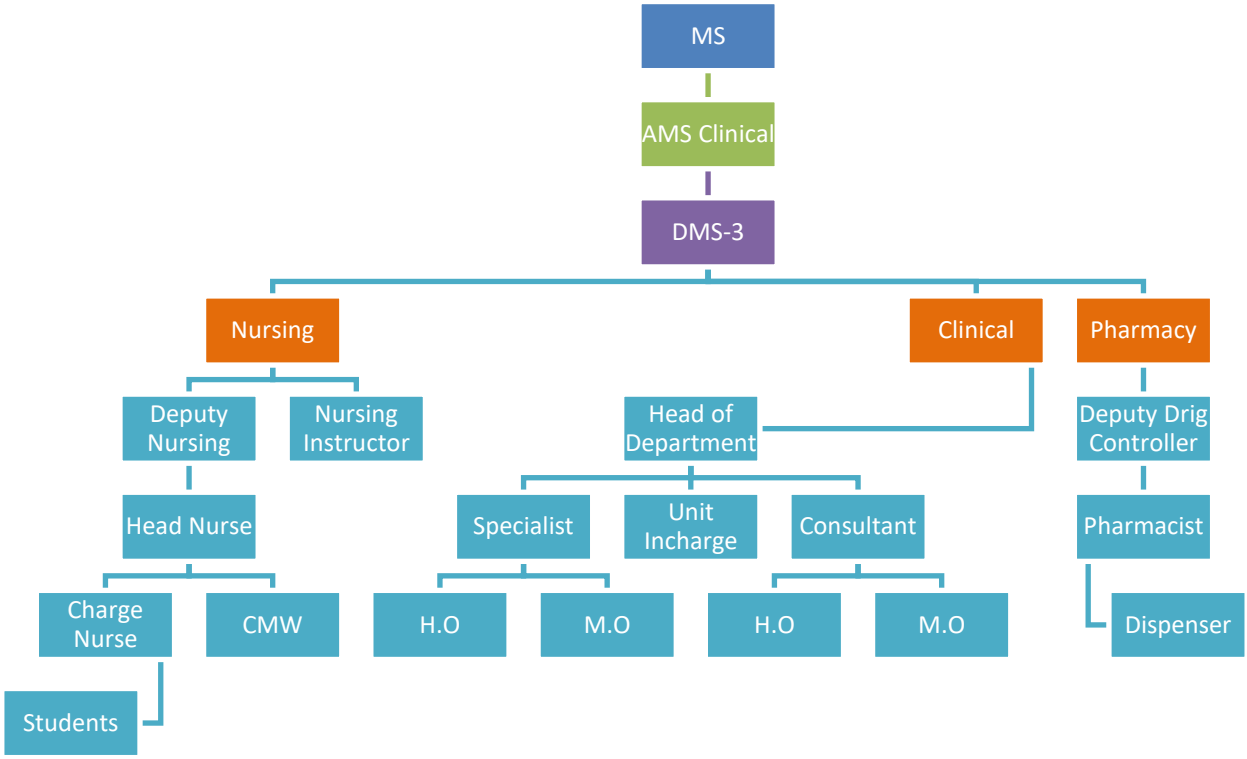
New Organogram of Hospital



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

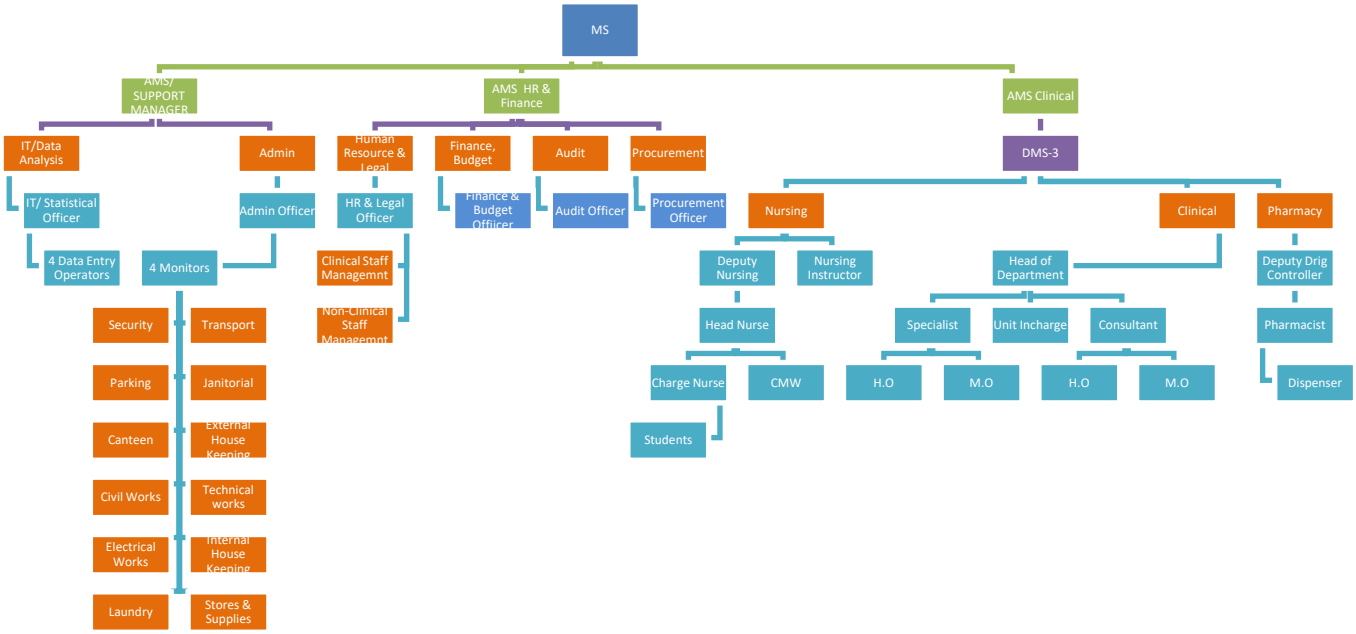
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

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 Mailsi District Vehari is more than 0.522 million. The area of the THQ Hospital Mailsi District Vehari is 221,786 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 Mailsi District Vehari

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

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

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

Justification for 3rd Revision of PC-I

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

Name of Posts	**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.

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

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17011161
A/C To be Credited: Assan Assignment

PKR Million

Sr #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	**A05270**-To Others	0.000	0.000	0.000	0.000	0.000	0.000	188.158	0.000	50.100	0.000	50.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**188.158**	**0.000**	**50.100**	**0.000**	**50.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO21010606
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	**A12403**-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	36.012	0.000	20.000	0.000	0.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**36.012**	**0.000**	**20.000**	**0.000**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	THQ MAILSI										
	Original	1st Revised	2nd Revised			Amended 2nd Revised			3rd Revised		
Scope of work	Cost in million										
	Total	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component											
Internal development	27.275	27.275	28.903	10.000	38.903	24.809	10.000	34.809	32.053	10.000	42.053
External development	1.721	1.721	19.105	0.000	19.105	33.008	0.000	33.008	23.959	0.000	23.959
Water filtration plant	5.600	5.600	0.038	0.000	0.038	0.052	0.000	0.052	0.000	0.000	0.000
Total Capital Component	**34.596**	**34.596**	**48.045**	**10.000**	**58.045**	**57.869**	**10.000**	**67.869**	**56.012**	**10.000**	**66.012**
Revenue component											
Emergency	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MSDS	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	51.565	51.565	0.000	68.835	68.835	0.000	68.835	68.835	0.000	106.965	106.965
Electricity	16.547	16.547	0.000	32.547	32.547	0.000	32.547	32.547	0.000	57.636	57.636
IT & QMS & Surveillance	14.515	14.515	0.000	16.715	16.715	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	4.239	4.239	0.000	5.980	5.980	0.000	5.980	5.980	0.000	5.980	5.980
Day Care Center	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	17.220	17.220	0.000	36.260	36.260	0.000	36.260	36.260	0.000	51.827	51.827
LC Deficit during procurement (currency fluctuation)				1.857	1.857		1.857	1.857		1.857	1.857
Total Revenue component	**127.835**	**127.835**	**0.000**	**186.951**	**186.951**	**0.000**	**186.951**	**186.951**	**0.000**	**278.210**	**278.210**
Outsourcing component											
Janitorial Services	17.960	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	7.132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	3.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	4.486	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	1.994	0.048	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	**45.789**	**0.048**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**
Total	**208.220**	**162.479**	**48.045**	**196.999**	**245.044**	**57.869**	**196.999**	**254.868**	**56.012**	**288.258**	**344.270**
Contingency (1%) only on Civil Component	0.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	2.082	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Validation (TPV) (1%)	2.082	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**212.731**	**162.479**	**48.045**	**196.999**	**245.044**	**57.869**	**196.999**	**254.868**	**56.012**	**288.258**	**344.270**

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
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	-

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)**
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	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	5	0	132,825	-	5	0	132,825	-	5	0	180,000	-	5	0	250,000	-
6	**Laboratory**	Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7		Hot air Oven	1	1	0	210,000	-	1	0	210,000	-	1	0	385,000	-	1	0	450,000	-
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	10	0	31,500	-	10	0	31,500	-	10	0	40,500	-	10	0	45,000	-
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
12		Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15		Dental X-Ray	0	0	0	282,975	-	0	0	282,975	-	0	0	350,000	-	0	0	525,000	-
16	**X-Rays**	Lead apron and PPE	2	1	1	52,500	52,500	1	1	52,500	52,500	1	1	60,000	60,000	1	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-	1	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	3	0	1,371,331	-	3	0	1,371,331	-	3	0	1,500,000	-	3	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	10	0	301,665	-	10	0	301,665	-	10	0	900,000	-	10	0	1,250,000	-
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		Defibrillator	1	3	0	299,153	-	3	0	299,153	-	3	0	650,000	-	3	0	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	2	0	4,681,790	-	2	0	4,681,790	-	2	0	4,800,000	-	2	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	1	0	690,539	-	1	0	690,539	-	1	0	700,000	-	1	0	1,500,000	-
30	**Blood Bank**	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
33	**Dialysis Unit (10 beds)**	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34		Baby Cot	10	6	4	14,669	58,674	6	4	14,669	58,674	6	4	16,000	64,000	6	4	16,000	64,000
35		Phototherapy Unit	2	2	0	130,200	-	2	0	130,200	-	2	0	655,000	-	2	0	850,000	-
36		Infant Warmer	2	4	0	335,638	-	4	0	335,638	-	4	0	985,000	-	4	0	1,050,000	-
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	3	0	858,932	-	3	0	858,932	-	3	0	900,000	-	3	0	1,750,000	-
39		Suction Pump	1		1	259,350	259,350		1	259,350	259,350		1	275,000	275,000		1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	1	1,200,000	1,200,000
43		Defibrillator	2	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45		Operation Table	1	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	1	0	3,465,000	-	1	0	3,465,000	-	1	0	4,000,000	-	1	0	7,800,000	-
48		Suction Pump	2		2	259,350	518,700		2	259,350	518,700		2	275,000	550,000		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	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-
54	**Orthopedic**	Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-

Medical Equipment

				Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
57	Gynea (20 beds)	Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	2,400,000	2,400,000
58		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
59		Delivery Set	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,000	320,000	2	8	65,000	520,000
60		Delivery Table	2	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	2	0	34,650	-	2	0	34,650	-	2	0	40,000	-	2	0	60,000	-
63		Vaccume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	900,000	900,000
67		Baby Cot	2	2	0	14,669	-	2	0	14,669	-	2	0	16,000	-	2	0	16,000	-
68		Delivery trolly	2	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	200,000	-
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	0	0	3,355,849	-	0	0	3,355,849	-	0	0	4,000,000	-	0	0	7,800,000	-
71		Operation Table	0	2	0	1,426,215	-	2	0	1,426,215	-	2	0	2,000,000	-	2	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	2	0	285,466	-	2	0	285,466	-	2	0	400,000	-	2	0	900,000	-
73		Suction Pump	0	4	0	259,350	-	4	0	259,350	-	4	0	275,000	-	4	0	300,000	-
74		Laryngoscope	0	10	0	9,744	-	10	0	9,744	-	10	0	12,000	-	10	0	20,000	-
75		Set of Surgical Instruments	0	5	0	141,750	-	5	0	141,750	-	5	0	160,000	-	5	0	220,000	-
76	Others	Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	2	3	237,618	712,854	2	3	237,618	712,854	2	3	400,000	1,200,000	2	3	600,000	1,800,000
80		BP Appratus	15	40	0	15,750	-	40	0	15,750	-	40	0	16,000	-	40	0	16,000	-
81		Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87	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	Physiotherapy unit	Shortwave diathermy	1	0	1	844,562	844,562	0	1	844,562	844,562	0	1	1,500,000	1,500,000	0	1	2,750,000	2,750,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000
120		C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121		Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122		Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	1,404,000	1,404,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trollies	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	**Beds**	Fowler beds with Mattress	100	0	100	70,000	7,000,000	0	100	70,000	7,000,000	0	100	110,000	11,000,000	0	100	150,000	15,000,000
		Total					**51,564,792**				**51,564,792**				**68,835,191**				**106,964,638**
							51.565				**51.565**				**68.835**				**106.965**

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	3	1,600,000	4,800,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	1	9,000,000	9,000,000
4	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
5	2 Ton air conditioners (split)	31	55,500	1,720,500	31	55,500	1,720,500	31	55,500	1,720,500	31	139,150	4,313,650
6	2 Ton air conditioners (Cabinet)	64	78,000	4,992,000	64	78,000	4,992,000	64	78,000	4,992,000	64	187,200	11,980,800
7	4 Ton air conditioners (Cabinet)	8	120,000	960,000	8	120,000	960,000	8	120,000	960,000	8	353,899	2,831,192
8	Ceiling Fans 56"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	6,975	139,500
10	Bracket Fans 18"	108	3,280	354,240	108	3,280	354,240	108	3,280	354,240	108	6,600	712,800
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	21,000,000	21,000,000	1	21,000,000	21,000,000
	Total			**16,546,540**			**16,546,540**			**32,546,540**			**57,635,942**
				16.547			**16.547**			**32.547**			**57.636**

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			**13,503,500**			**13,503,500**			**13,503,500**			**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)	10	9,889	98,890	10	9,889	98,890	10	13,951	139,510	10	13,951	139,510
2	A2	External Platform/Road Signage (Triangular)	10	9,046	90,460	10	9,046	90,460	10	12,762	127,624	10	12,762	127,624
3	B1	Main Directional Board	2	109,939	219,878	2	109,939	219,878	2	155,107	310,215	2	155,107	310,215
4	C1	Directional Board (Single Sheet)	12	14,126	169,512	12	14,126	169,512	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	21,984	21,984	1	21,984	21,984	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	2	29,473	58,946	2	29,473	58,946	2	41,581	83,163	2	41,581	83,163
7	C4	Directional Board (Four Sheets)	2	36,396	72,792	2	36,396	72,792	2	51,351	102,701	2	51,351	102,701
8	C5	Directional Board (Five Sheets)	1	44,200	44,200	1	44,200	44,200	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,607	51,607	1	51,607	51,607	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,763	23,289	3	7,763	23,289	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	46,133	322,931	7	46,133	322,931	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	4	40,251	161,004	4	40,251	161,004	4	56,788	227,153	4	56,788	227,153
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	7	88,808	621,656	7	88,808	621,656	7	125,294	877,061	7	125,294	877,061
2	F2	Internal Hanging Signage (Main Entrance 2)	7	67,616	473,312	7	67,616	473,312	7	95,396	667,772	7	95,396	667,772
3	F3	Internal Hanging Signage (Corridor)	6	50,077	300,462	6	50,077	300,462	6	70,651	423,906	6	70,651	423,906
4	F4	Internal Hanging Signage (Corridor 2)	5	50,657	253,285	5	50,657	253,285	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	10	12,809	128,090	10	12,809	128,090	10	18,071	180,712	10	18,071	180,712
6	H1	Specialist Name Plaques fixed on wall	20	3,681	73,620	20	3,681	73,620	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	120	847	101,640	120	847	101,640	120	1,194	143,304	120	1,194	143,304
8	K1	Internal Wall Signage	120	1,390	166,800	120	1,390	166,800	120	1,961	235,368	120	1,961	235,368
9	L1	Room Numbers Fixed on Wall	80	3,528	282,240	80	3,528	282,240	80	4,978	398,272	80	4,978	398,272
10	M1	Advance Fire Exit Sign	15	1,796	26,940	15	1,796	26,940	15	2,534	38,010	15	2,534	38,010
11	M2	Fire Exit Sign Mounted Above the Door	15	1,242	18,630	15	1,242	18,630	15	1,753	26,292	15	1,753	26,292
12	N1	Fire Safety/Equipment Signage	25	2,379	59,475	25	2,379	59,475	25	3,357	83,930	25	3,357	83,930
13	P1	Floor Map Board	8	20,609	164,872	8	20,609	164,872	8	29,075	232,602	8	29,075	232,602
14	Q1	Caution Signage	30	2,124	63,720	30	2,124	63,720	30	2,996	89,880	30	2,996	89,880
15	Q2	Caution Signage	10	639	6,390	10	639	6,390	10	902	9,016	10	902	9,016
16	Q3	Caution Signage	15	1,117	16,755	15	1,117	16,755	15	1,576	23,646	15	1,576	23,646
17	Q4	Caution Signage	25	868	21,700	25	868	21,700	25	1,225	30,625	25	1,225	30,625
		Total			**4,115,080**			**4,115,080**			**5,805,793**			**5,805,793**
		Designing and Site Supervision			123,452			123,452			174,174			174,174
		Grand Total			**4,238,532**			**4,238,532**			**5,979,967**			**5,979,967**
					4.239			4.239			5.980			5.980

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Emplyees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	**HR FOR QMS and MSDS and Day Care Center**																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			**4,860,000**	**17,220,000**			**4,860,000**	**17,220,000**			**5,040,000**	**28,140,000**				**5,273,000**	40,473,000
					17.220				**17.220**				**28.140**					**40.473**
	Utilization of HR Component								**8.120**				**11.35**					
	Total of HR Component												**36.26**					**51.827**

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	78,420	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	10	Persons		
Road and ROW area	64,892	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	4	Persons		
Number of washroom blocks	20	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	7	Persons		
Total sweeper in morning shift	21	Persons		
Total number of sweepers in evening shift	12	Persons		
Total number of sweepers in night shift	11	Persons		
Total number of sweepers in all shifts	43	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	43	22,000	11,431,587	
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)			**17,959,587**	
			17.960	

Security and Parking

	Original				From 1st Revised to onward
Assumptions					In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residences	78,420				
Covered Area per guard	15,000				
Number of guards	**5**				
Open area excluding parking area	64,892				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**4**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**16**				
Total number of all guards for second shift	**8**				
Lady Searcher	**4**				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**2**				
Total no. of Supervisors	**2**				
Type of worker	**No of workers**	**Salary per month**	**Salary per Month for all Person**	**Salary for One year**	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	8	21,525	172,200	2,066,400	
Civilian	12	21,000	252,000	3,024,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				**7,232,400**	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				**400,000**	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				**7,132,400**	
				7.132	

Laundry Services

	Original			From 1st Revised to onward
Number of beds	90			
Type of Item	**No of Beds**	**Per bed cost per year**	**Total Cost**	
No of Bed	90	30,000	2,700,000	
Transport Charges			1,200,000	
Total for laundry items			**3,900,000**	
Total			**3.900**	

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)	1	300,000	300,000	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.
Number of Generators (50 KVA)	1	175,000	175,000	
Repairs Cost	1	475,000	475,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			**2,270,000**	
			2.270	

MEP

	Original				From 1st Revised to onward
Type of worker / Component	**No of workers**	**Salary per month**	**Salary per Month for all persons**	**Salary for One Year**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			**217,000**	**2,604,000**	
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**	
A/C	170	6,665	1,133,050	1,133,050	
Fridge	10	4,000	40,000	40,000	
UPS	15	8,000	120,000	120,000	
Water Cooler	20	4,000	80,000	80,000	
Exhaust	10	3,000	30,000	30,000	
Geyser	20	4,000	80,000	80,000	
Water Pump	8	3,000	24,000	24,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				**1,882,050**	
General Total				**4,486,050**	
				4.486	

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**	
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 whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	3,598	22	79,162	
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	4,935	7	34,544	
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	6,169	11.25	69,396	
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	25	1,500	37,500	
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	6	270	1,620	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'- 4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	-	600	-	
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	2,243	69	154,767	
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	352	195	68,640	
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	2,396	12	28,752	
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	3	3,675	11,025	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	4	1,800	7,200	
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	12	195	2,340	
2	**HARD LANDSCAPE**					
2.1	**WALK WAYS**					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	493	150	73,950	
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	14,698	29,396	
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	27,700	55,400	
2.4	**PLAYING EQUIPMENTS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939	
2.5	**PLANTERS**					
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	3,850	7,700	
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	1	45,000	45,000	
3	**SOFT LANDSCAPE MAINTENANCE** (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	12,337	9.00	111,033	
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	48	550	26,400	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	6	550	3,300	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	11	550	6,050	
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**1,632,489**	
	PRA(16%)				261,198	
	Design Consultancy				100,000	

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

	Original				From 1st Revised to onward
Grand Total				1,993,687	
				1.994	

The Chief Engineer (South Zone).

From

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

To

The Secretary,
Government of the Punjab,
Primary & Secondary Healthcare Department,
Lahore.

Memo No.255-Dev/2014/ 18 /Dev. Dated 3 .01.2023

Subject: **REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE "REVAMPING OF THQ HOSPITAL MAILSI DISTRICT VEHARI" ADP NO.658/2022-23.**

Please find enclosed copy of Revised Rough Cost Estimate amounting to Rs.~~59.914(M)~~ 56.012(M) duly vetted by the Chief for arranging Revised Administrative Approval.

The Revised Rough Cost Estimate has been prepared on the basis of rates meant for 1st Bi-annual 2022. The provision of price variation is for estimation purpose only. Concerned Executive Engineer shell be responsible for its admissibility as per actual dates of execution, quantities and rates applied.

DA/ As Above.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

Endst: No. /Dev, Dated .01.2023.

A copy is forwarded for information to:-

1 The Superintending Engineer, Buildings Circle, Multan, for information with reference to his letter No.2819/DB, dated 31.12.20222.
2 The Executive Engineer, Buildings Division, Vehari.
3 The Chief Draftsman (Local).

DA/ Nil.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

v) Structural design of building components i/c Overhead Reservoir (OHR) etc. should strictly be adopted as per design provided by Director, Planning & design Directorate, Punjab Planning and Design Department, Lahore before execution of work.

vi) The provision of steel is only for estimation and steel should be provided / paid as per actual structural design vetted / approved by Director Planning & Design Directorate, Punjab Planning and Design Department, Lahore.

vii) Soil investigation and Bearing capacity evaluation should be got from the Director, Government of the Punjab, Buildings Research Station, Lahore prior to execution of work at site.

viii) Any change / variation on account of subsequent advice of Building Research Station or structural design supplied by Planning and Design Directorate or due to any other reason should be got approved from this office prior to execution of work at site.

ix) The work may not be commenced unless the site plan is approved by the Competent Authority of the Client Department.

x) Executive Engineer will submit details along with drawings of all non-standardized items and Internal Electrification to this office before award of work for comparison of Rate Analysis.

xi) The provision of price variation, if any, is only for estimation purpose and shall be paid after fulfilling all the codal formalities in accordance with provisions of contract clause 55 and other latest instructions of Finance / C&W Department.

xii) The Executive Engineer should ensure that at the time of finalization of accounts, the lowest contractor remains the lowest and his premium over and above or below, the estimate cost remains the same which was at the time of allotment of work.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone
Punjab Buildings Department, Lahore

D.A/ Estimate one copy.

Endst: No. TS / 2021-22 / / Dev, Dated .02.2022

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

1. The Secretary, Government of the Punjab, P&SHC Department, Lahore.
2. The Director Audit (Works) Punjab, Lahore.
3. The Technical Officer (Local).
4. The Budget & Accounts Officer (Local).
5. The Chief Draftsman (Local).
6. The Executive Engineer, Buildings Division, Vehari.

D.A/ NIL.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone
Punjab Buildings Department, Lahore

Project Manager (Civil)
PMU, P & SHD

Project Officer (Electrical)
PMU, P & SHD

Admin Officer
THQ Hospital Mailsi

Sub Engineer
Building Sub Division, Milsi

Sub Divisional Officer
Buildings Sub Division,
Mailsi

Executive Engineer
Buildings District,
Vehari

Approved by:
Director Infrastructure
PMU, P & SHD

From

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

To

The Secretary,
Government of the Punjab,
Primary & Secondary Healthcare Department,
Lahore.

Memo No.76-Dev/2014/ /Dev. Dated .10.2022

Subject: **REVISED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI DISTRICT VEHARI" ADP NO.658 FOR THE YEAR 2022-23.**

Please find enclosed copy of Revised Rough Cost Estimate amounting to Rs.~~63.503(M)~~ 56.012(M) duly vetted by the Chief Engineer, subject to conditions laid down in P&D Board notification No.594/AC(Tech)P&D/2023 dated 09.09.2022, for arranging Revised Administrative Approval.

The Revised Rough Cost Estimate has been prepared on the basis of rates meant for 1st Bi-annual 2022.

DA/As Above.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

Endst: No. 2384-86 /Dev, Dated 13.10.2022.

A copy is forwarded for information to:-

1. The Superintending Engineer, Buildings Circle, Multan for information with reference to his letter No.2397/DB, dated 01.10.2022.
2. The Executive Engineer, Buildings Division, Vehari.
3. The Chief Draftsman (Local).

DA/Nil.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

REVISED ROUGH COST ESTIMATE FOR WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI. (ADP NO.658/2022-23)

HISTORY:

The Rough Cost Estimate for the Scheme was Administratively Approved by Secretary Govt. of Punjab P&SHC, Lahore Vide No. PO(D-II)1-237/2021(P), Dated: 03-02-2022 for amount of **Rs. 57.869 (M)**.The work was awarded to the contractor after observing all Legal/Codal formalities who started work at site. It is stated that the public sector Engineering Department have indicated risk of delays in completion of on-going schemes due to abnormal price hike of construction materials and proposed to devise a mechanism of timely payment of price variation as per Clause-55 of contract agreement. Series of Consultative sessions were held at P&D Board to reach unanimous mechanism. Accordingly, it is considered Appropriate that Ten (10) percent cushion may be allowed for Price variation PC-Is of on-going schemes through issuance of Revised Administrative Approval vide Government of the Punjab (Infrastructure Development Wing) Planning & Development Board letter No. 594/AC(Tech)P&D/2022-23, Rated 09-09-2022.

In the light of the above narrated reasons the Revised Rough Cost Estimate for incorporating **provision of 10% Price Variation only** has been prepared amounting to **Rs. ~~63.503~~ 56.019 (M)** on the basis of **MRS 1st Bi-Annual 2022** and being submitted for arranging Revised Administrative Approval and funds from the competent authority please.

DESIGN/SCOPE OF WORK.

It provides the following:-

1. Improvement of External Plate Form/Pathways
2. Improvement of Sewerage Sanitation and drainage system & Roof Treatment
3. Improvement of Water Supply System
4. Rehabilitation of External Electrification System
5. Improvement of Waiting Areas & Parking Facilities
6. Improvement of Flooring / Skirting
7. Improvement of Internal External Wall surface
8. Improvement of Ceilings
9. Improvement of Internal Electrification
10. Miscellaneous repairs works of building
11. Provision of WAPDA Charges
12. Provision of External Development

SPECIFICATIONS:

Standard Specification of Punjab Buildings Department have been followed for preparation of this Estimate and the same will be adopted during the execution of work and to the entire satisfaction of the Engineer Incharge.

RATES:

Rates provided in this Estimate are based on the MRS, notified by the Finance Department, Government of the Punjab on website for District Vehari MRS 1st Bi-Annual 2022 and Non-Standardized items has been taken as per current / prevailing market rates.

COST: **Rs: 63.503 (Million)**

TIME: Work will be completed within the stipulated period.

Sub Divisional Officer
Buildings Sub Division
Mailsi

Executive Engineer
Buildings Division
Vehari

042-99059011

No.594/AC(Tech)/P&D/2022-23
GOVERNMENT OF THE PUNJAB
(INFRASTRUCTURE DEVELOPMENT WING)
PLANNING & DEVELOPMENT BOARD

Dated: Lahore the 9th September, 2022

To

1. The Senior Member, Board of Revenue, Punjab.
2. The Registrar, Lahore High Court, Lahore.
3. All Administrative Secretaries to Government of Punjab.
4. Provincial Police Officer /Inspector General Police, Lahore.
5. All Commissioners in the Punjab.
6. All Deputy Commissioners in the Punjab

Subject: PRICE VARIATION ALLOWABLE CUSHION DUE TO IMPACT OF INFLATION ON CONSTRUCTION MATERIALS

The public sector engineering departments have indicated risk of delays in completion of on-going schemes due to abnormal price hike of construction materials and proposed to devise a mechanism of timely payment of price variation as per Clause-55 of contract agreement. Series of consultative sessions were held at P&D Board to reach unanimous mechanism. Accordingly, it is considered appropriate that ten (10) percent cushion may be allowed for price variation in PC-Is of on-going schemes through issuance of revised administrative approval (s).

2. In order to address the afore-stated issue, following operating procedures have been devised to address price inflation and escalation adjustments in due course of revised administrative approvals for on-going schemes / allotted works:-

i. This provision is only for the projects / schemes, approved and awarded prior to 30-06-2022.

ii. Provision up to 10% price variation is only for estimation purpose. However, the payment should be made as per actual in accordance with Clause-55 of Contract Agreement.

iii. The executing agencies may submit revised cost estimates within 10% cushion of price variation without involving change in scope to their respective Administrative Departments for schemes falling under the purview of PDWP / DDSC for issuance of revised administrative approval(s).

iv. This said dispensation / provision may also be adopted by DDWP / DDC with due diligence where applicable.

v. In certain cases where actual cost impact of price escalation exceeds the allowable threshold of ten (10%), such cases shall be brought to the respective approving forum.

vi. In case of any savings in the said provision, same should not be utilized for any other purpose.

vii. Prior to substantial completion of the schemes, revised PC-Is should be submitted to the respective forums by incorporating actual price variation for consideration /approval.

This provision in cost estimates is being allowed as one time special dispensation only to streamline the procedures for revised approvals of on-going schemes valid till 31-12-2022.

9/12/22

Yaser Arif Raja
Assistant Chief (Tech-II)
P&D BOARD

CC.

- Principle Secretary to the Chief Minister, Punjab, Lahore.
- All Members, P&D Board.
- Additional Secretary (G)/Staff Officer to the Chief Secretary, Punjab, Lahore.
- PSO to the Chairman P&D Board.

Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 03-02-2022

ORDER

No.PO(D-II)1-237/2021(P): 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 01 sub- scheme titled "Revamping of THQ Hospital Mailsi District Vehari" under the block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" GS No. 792 of ADP 2021-22 at a cost of Rs. 254.868-million (Rupees Two Hundred Fifty Four Million and Eight Hundred Sixty Eight Thousand Only), with already approved scope and gestation period upto 30-06-2023:

2. The expenditure involved will be debitable under the following heads of account:

Capital Component (Rs. 57.869-million)	*Grant No.12042 (042) Government Buildings 04-Economic Affairs-045 Construction and Transport -0457 Construction (Works) 045702-Buildings and structures*
Revenue Component (Rs. 196.999-million)	*Grant No. PC22036(036)-Development-07-Health 073-Hospital Services 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 (South Zone), Buildings Department, Lahore.
5. Project Director, Project Management Unit, P&SH Department.
6. District Accounts Officer, Vehari.
7. Chief Executive Officer, District Health Authority, District Vehari.
8. Executive Engineer, Buildings Division, District Vehari.
9. Section Officer (Health-I), Finance Department.
10. Budget Officer-I & III, Finance Department.
11. Planning Officer (ADP & D-IV), P&SH Department.
12. PS to Secretary, P&SH Department.
13. PA to Special Secretary (Development), P&SH Department.
14. PA to Additional Secretary (Dev. & Fin.), P&SH Department.
15. PA to Additional Secretary (Dev. & Coord.), P&SH Department.

PLANNING OFFICER (D-II)

GENERAL ABSTRACT

Sr. No.	Description	Qty	As per Approved Rough Cost Estimate		As Per Ammended Rough Cost Estimate		Difference Excess	Difference Saving	Remarks
1	Improvement of external platforms/pathways	1	Rs.	2110200 /-	Rs.	2391900 /-	281700		Excess Due to Changing in MRS
2	Re-construction/raising/rehabilitation of bounary wall inc provision of razor cut security wire	1	Rs.	5615700 /-	Rs.	6823000 /-	1207300		--do--
3	Improvement of sewerage, sanitation and drainage system & Roof Treatment	1	Rs.	2218200 /-	Rs.	2566500 /-	348300		--do--
4	Improvement of water supply system	1	Rs.	1348000 /-	Rs.	1386900 /-	38900		--do--
5	Provision of water filteration plant with supply system	1	Rs.	35811 /-	Rs.	52399 /-	16588		--do--
6	Rehabilitation of external electrification system	1	Rs.	1822200 /-	Rs.	3153400 /-	1331200		--do--
7	Improvement of external waiting areas and parking facilities	1	Rs.	3965600 /-	Rs.	4718100 /-	752500		--do--
8	Improvement of Flooring / Skirting	1	Rs.	5852500 /-	Rs.	7114400 /-	1261900		--do--
9	Improvement of internal external wall surfaces	1	Rs.	7771400 /-	Rs.	9913700 /-	2142300		--do--
10	Improvement of Ceilings	1	Rs.	649913 /-	Rs.	725872 /-	75959		--do--
11	Improvement of Internal Electrification	1	Rs.	1088740 /-	Rs.	1167177 /-	78437		--do--
12	Improvement of Façade	1	Rs.	816500 /-	Rs.	1763300 /-	946800		--do--
13	Provision & Installation of Emergency equipment	1	Rs.	878500 /-	Rs.	1453900 /-	575400		--do--
14	Miscellaneous repairs works of building	1	Rs.	42200 /-	Rs.	68900 /-	26700		--do--
15	Establishment of Thalassemia Ward	1	Rs.	2443500 /-	Rs.	3364600 /-	919100		--do--
16	Establishment of Hepatitis Ward	989	Rs.	4150000	2824	2792936		1357064	Excess Due to Changing in plinth area rates

		AREA		RATE			
17	Establishment of Medicine Store	556	Sft	Rs. 1448500 /-	Rs. 2824		25304
18	Establishment of Labortary & Blood Bank	756	Sft	Rs. 2122800 /-	Rs. 2824		
	Addl's External Development Cost Item No. 16, 17 & 18 Total			Rs. 44382265 /-	Rs.		
	Add 5% PRA			Rs. 2219113 /-	Rs. 3685617		138326
	Add 1% Horticulture Charges.			Rs. 443823 /-	Rs. 536583		0
	Add WAPDA Charges 10 lakh			Rs. 1000000 /-	Rs. 1000000 /-		0
	C. Total.			Rs. 48045201 /-	Rs.		1382268
	Say.			Rs. 48.045 (M)	Rs. 57.869 (M)	11.2946 (M)	1.383 (M)

As per Approved Rough Cost Rs. 48.045 (M)

As per Ammended Rough Cost 57.869 Rs. 48.436 (M)

Difference = 9.824 Rs. 11.391 (M)

20.45 % Excess over A.A.

TECHNICALLY VETTED

For Rs. 57.869 (Million)

Civil Draftsman, Punjab Buildings Dept; South Zone, Lahore.

Draftsman-II, Punjab Buildings Dept; South Zone, Lahore.

Civil Draftsman, Punjab Buildings Dept; South Zone, Lahore.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Superintending Engineer
Building Circle Multan

REVISED ROUGH COST ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI (ADP G.S NO. 658/2022-23)
Administrative Approval issued by the Secretary Govt. of Punjab P&SHC, Lahore Vide No. PO(D-II)1-237/2021(P), Dated: 03-02-2022 for amount of Rs. 57.869 (M)

GENERAL ABSTRACT

M.R.S (1st January 2022 to 30th June, 2022).

S# No.	Description	As per Approved Rough Cost Estimate - A				Amount of Work already alloted - B				Amount of Work yet to be alloted - C				Total (B+C)	Difference (B-C=A)	Remarks
		Plinth area /Qty.	Rate	Unit	Amount	Plinth area /Qty.	Rate	Unit	Amount	Plinth area /Qty.	Rate	Unit	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Improvement of external platforms/pathways	1 Job	2391900	P.Job	2391900	1 Job	2391900	P.Job	2391900					2391900		MRS
2	Re-construction/raising/rehabilitation of bounary wall i/c provision of razor cut security wire	1 Job	6823000	P.Job	6823000	1 Job	6823000	P.Job	6823000					6823000		
3	Improvement of sewerage, sanitation and drainage system & Roof Treatment	1 Job	2566500	P.Job	2566500	1 Job	2566500	P.Job	2566500					2566500		
4	Improvement of water supply system	1 Job	1386900	P.Job	1386900	1 Job	1386900	P.Job	1386900					1386900		
5	Provision of water filteration plant with supply system	1 Job	52399	P.Job	52399	1 Job	52399	P.Job	52399					52399		
6	Rehabilitation of external electrification system	1 Job	3153400	P.Job	3153400	1 Job	3153400	P.Job	3153400					3153400		
7	Improvement of external waiting areas and parking facilities	1 Job	4718100	P.Job	4718100	1 Job	4718100	P.Job	4718100					4718100		
8	Improvement of Flooring / Skirting	1 Job	7114400	P.Job	7114400	1 Job	7114400	P.Job	7114400					7114400		
9	Improvement of Internal external wall surfaces	1 Job	9913700	P.Job	9913700	1 Job	9913700	P.Job	9913700					9913700		
10	Improvement of False Ceilings	1 Job	725872	P.Job	725872	1 Job	725872	P.Job	725872					725872		
11	Improvement of Internal Electrification	1 Job	1167177	P.Job	1167177	1 Job	1167177	P.Job	1167177					1167177		
12	Improvement of Façade	1 Job	1763300	P.Job	1763300	1 Job	1763300	P.Job	1763300					1763300		
13	Provision & Installation of Emergency equipment	1 Job	1453900	P.Job	1453900	1 Job	1453900	P.Job	1453900					1453900		
14	Miscellaneous repairs works of building	1 Job	68900	P.Job	68900	1 Job	68900	P.Job	68900					68900		
15	Establishment of Thalassemia Ward	1 Job	3364600	P.Job	3364600	1 Job	3364600	P.Job	3364600					3364600		

Sr. No.	Description	As per Approved Rough Cost Estimate (A)				Amount of Work already alloted (B)				Amount of Work yet to be alloted (C)				Total (B+C)	Difference (B-A)	Remarks
		Plinth area /Qty.	Rate	Unit	Amount	Plinth area /Qty.	Rate	Unit	Amount	Plinth area /Qty.	Rate	Unit	Amount			
16	Establishment of Hepatitis Ward	1 Job	2792936	P.Job	2792936	1 Job	2792936	P.Job	2792936					2792936		
17	Establishment of Medicine Store	1 Job	1423296	P.Job	1423296	1 Job	1423296	P.Job	1423296					1423296		
18	Establishment of Labortary & Blood Bank	1 Job	2134944	P.Job	2134944	1 Job	2134944	P.Job	2134944					2134944		
	Total				53015225				53015225					53015224		
	Add 10% External Development on Item No. 16,17 & 18		6351176		635118				635118					635118		
	Total				53650343				53650343					53650342		
	Add 10% for Price Variation in accordance with Govt of Punjab (Infrastructure Development Wing) Planning & Development Board Lahore Letter No. 594/AC(Tec)/P&D/2022-23 dated 09-09-2022									53650343			5365034	5365034	5365034	
	Total				53650343				53650343				5265034	59015376	5365034	
	Add 5% PRA				2682517				2682517				268252	2950769	268252	
	Add 1% Horticulture Charges.				536503				536503					536503		
	Add WAPDA Charges 1o lakh				1000000				1000000					1000000		
	G. Total				57869363				57869363				5633286	63502648	5633286	
	Say.				57.869				57.869				5.633	63.503 (M)	5.633 (M)	

As per Approved Rough Cost Rs. 57.869 (M)

As per Revised Rough Cost Rs. 63.503 (M)

Difference = Rs. 5.633 (M)

5.633x100 / 57.869 = 9.73% Excess over A.A.

Sub Engineer
Buildings Sub Division
Mailsi

Sub Divisional Officer
Buildings Sub Division
Mailsi

Executive Engineer
Buildings Division
Vehari

Superintending Engineer,
Buildings Circle Multan

TECHNICALLY VETTED
For Rs. 63.503 (Million)

Chief Engineer, Punjab Buildings Deptt; South Zone, Lahore.

Deputy Director-II, Punjab Buildings Deptt; South Zone, Lahore.

Chief [illegible]sman, Punjab Buildings Deptt; [illegible]

No. PMU/(P&SHD)/2022/0579
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore, Ph: 042-99231208)
Dated: December 12th , 2022

To

Executive Engineer,
Buildings Division,
Vehari.

SUBJECT: **SUBMISSION OF ACTUAL PRICE VARIATION & REVISED ROUGH COST ESTIMATE OF "BALANCE WORK OF REVAMPING OF ALL DHQ/15-THQ HOSPITAL IN PUNJAB ONE AT THQ HOSPITAL BUREWALA" ADP NO.600 FOR THE YEAR 2022-23 AND REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL MAILSI ADP NO. 658 FOR THE YEAR 2022-23.**

Through yours Good Office a 10% Price Variation Estimate for Balance work of THQ Hospital Burewala and Revamping of THQ Hospital Mailsi was received on 12-10-2022 by Hand in the office of the undersigned.

2. In this regard it is stated that please submit Revised Rough Cost Estimate of the subject scheme along with detail working instead of 10% price variation in the light of P&D letter no. 594/AC(Tech)/P&D/2022-23 dated 09-09-2022. It is further stated that the said PC-I is planned to be revised in DDSC which is planned within next week due to revenue component. Hence, it is requested to submit the Revised Estimate of civil work by incorporating actual price variation whether it exceeds 10% or not by 14-12-2022. So that the Revised Approvals could be issued timely.
3. It is further stated that this office received a Revised Rough Cost Estimate for the work "Balance Work of Revamping of All DHQ/15-THQ Hospital in Punjab One at THQ Hospital Burewala" and Revamping of all THQ Hospitals in Punjab one at THQ Hospital Mailsi. In this regard it is informed that please include the items that were not taken in Estimate on which Approval was taken. Same Works/Items were conveyed to Building Department through written Scope by PMU, P&SHD after the detailed visit of PMU, P&SHD.
4. Submitted for further necessary action please.

Project Manager Civil

PMU P&SHD

CC.

1. Project Director, PMU, P&SHD, Lahore.
2. Deputy Project Director, PMU, P&SHD, Lahore.
3. Director Infrastructure, PMU, P&SHD, Lahore.
4. Chief Engineer Buildings, South Zone, Lahore
5. Superintending Engineer, Building Circle Multan.
6. Office Copy I&C.

REVISED ROUGH COST ESTIMATE FOR WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI. (ADP NO.658/2022-23)

HISTORY:

The Rough Cost Estimate for the Scheme was Administratively Approved by Secretary Govt. of Punjab P&SHC, Lahore Vide No. PO(D-II)1-237/2021(P), Dated: 03-02-2022 for amount of **Rs. 57.869 (M)**.The work was awarded to the contractor after observing all Legal/Codal formalities who started work at site. It is stated that the public sector Engineering Department have indicated risk of delays in completion of on-going schemes due to abnormal price hike of construction materials and proposed to devise a mechanism of timely payment of price variation as per Clause-55 of contract agreement. Series of Consultative sessions were held at P&D Board to reach unanimous mechanism. Accordingly, it is considered Appropriate that Ten (10) percent cushion may be allowed for Price variation PC-Is of on-going schemes through issuance of Revised Administrative Approval vide Government of the Punjab (Infrastructure Development Wing) Planning & Development Board letter No. 594/AC(Tech)P&D/2022-23, Rated 09-09-2022. Hence the revised estimate amounting to Rs. 63.503 (M) was submitted to Secretary Govt of Punjab P&HSD Lahore vide Chief Engineer South Zone Punjab Buildings Department Lahore Memo No. 76-Dev/2014/2383/dev dated 13-10-2022 for arranging Revised administrative Approval.

The Project Manager (Civil) PMU P&SHD has desired to prepare the Revised Rough Cost Estimate on Detail basis at as per actual site requirements vide memo no. PMU(P&SHD)/2022/0579 dated 12-12-2022.

In the light of the above narrated reasons the Revised Rough Cost Estimate on Detailed basis included the cost of Price Variation has been prepared amounting to **Rs. 60.107 (M)** on the basis of **MRS 1st Bi-Annual 2022** and being submitted for arranging Revised Administrative Approval and funds from the competent authority please.

DESIGN/SCOPE OF WORK.

It provides the following:-

1. Improvement of External Plate Form/Pathways
2. Re-Const: of Boundary Wall
3. Improvement of Sewerage Sanitation and drainage system & Roof Treatment
4. Improvement of Water Supply System
5. Rehabilitation of External Electrification System
6. Improvement of Waiting Areas & Parking Facilities
7. Improvement of Flooring / Skirting.
8. Improvement of Internal External Wall surface
9. Improvement of Ceilings
10. Improvement of Internal Electrification
11. Miscellaneous repairs works of building
12. Provision of WAPDA Charges
13. Provision of External Development

SPECIFICATIONS:

Standard Specification of Punjab Buildings Department have been followed for preparation of this Estimate and the same will be adopted during the execution of work and to the entire satisfaction of the Engineer Incharge.

RATES:

Rates provided in this Estimate are based on the MRS, notified by the Finance Department, Government of the Punjab on website for District Vehari MRS 1st Bi-Annual 2022 and Non-Standardized items has been taken as per current / prevailing market rates.

56.012(M)

COST: **Rs: ~~60.107~~ (Million)**

TIME: Work will be completed within the stipulated period.

Sub Divisional Officer
Buildings Sub Division
Mailsi

Executive Engineer
Buildings Division
Vehari

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

GENERAL ABSTRACT

Sr. No.	Description	As Per approved Rough Cost				(B) As Per Work alloted				(C) As per Work yet to be done				Total (B+C)	Difference		Remarks
		Plinth Area / Quantity	Rate	Unit	Amount (A)	Plinth Area / Quantity	Rate	Unit	Amount (A)	Plinth Area / Quantity	Rate	Unit	Amount		Excess (14-6)	Saving (6-14)	
1	2	3	4	5	6	7	8	9	10	44	12	13	14	15	16	17	18
1	Improvement of external platforms/pathways	1 Job	2391900	P.Job	2391900	1 Job	2391900	P.Job	2391900	1 Job	138659	P.Job	138659	2530559	138659	-	Excess due to actual; site measurement and as desired by PMU
2	Re-construction/raising/rehablitation of bounary wall i/c provision of razor cut security wire	1 Job	6823000	P.Job	6823000	1 Job	6823000	P.Job	6823000	1 Job		P.Job	0	4511068	-	2311932	Saving due to actual site measurement and as desired by PMU
3	Improvement of sewerage, sanitation and drainage system & Roof Treatment	1 Job	2566500	P.Job	2566500	1 Job	2566500	P.Job	2566500	1 Job	1506868	P.Job	1506868	4073368	1506868	-	Excess due to actual; site measurement and as desired by PMU
4	Improvement of water supply system	1 Job	1386900	P.Job	1386900	1 Job	1386900	P.Job	1386900	1 Job		P.Job	0	534963	-	851937	Saving due to actual site measurement and as desired by PMU
5	Provision of water filteration plant with supply system	1 Job	52399	P.Job	52399	1 Job	52399	P.Job	52399	1 Job		P.Job	0		-	52399	--do--
6	~~Rehabilitation of external electrification system~~	~~1 Job~~	~~3153400~~	~~P.Job~~	~~3153400~~	~~1 Job~~	~~3153400~~	~~P.Job~~	~~3153400~~	~~1 Job~~		P.Job	~~0~~	~~2292465~~	-	~~860935~~	--do--
7	Improvement of external waiting areas and parking facilities	1 Job	4718100	P.Job	4718100	1 Job	4718100	P.Job	4718100	1 Job		P.Job	0	~~3066491~~ 3066492	-	1651609	--do--
8	Improvement of Flooring / Skirting	1 Job	7114400	P.Job	7114400	1 Job	7114400	P.Job	7114400	1 Job	6239159	P.Job	6239159	~~1353999~~ 1339 3552	6239159	-	Excess due to actual; site measurement and as desired by PMU
9	Improvement of internal external wall surfaces	1 Job	9913700	P.Job	9913700	1 Job	9913700	P.Job	9913700	1 Job		P.Job	0	5353981	-	4559719	Saving due to actual site measurement and as desired by PMU
10	Improvement of Ceilings	1 Job	725872	P.Job	725872	1 Job	725872	P.Job	725872	1 Job	530500	P.Job	530500	1256372	530500	-	Excess due to actual; site measurement and as desired by PMU
11	Improvement of Internal Electrification	1 Job	1167177	P.Job	1167177	1 Job	1167177	P.Job	1167177	1 Job	3277520	P.Job	3277520	4444697	3277520	-	Excess due to actual; site measurement and as desired by PMU
12	Improvement of Façade	1 Job	1763300	P.Job	1763300	1 Job	1763300	P.Job	1763300	1 Job		P.Job	0		-	1763300	As desired by PMU

Sr. No.	Description	As Per approved Rough Cost					(B) As Per Work alloted					(C) As per Work yet to be done					Total (B+C)	Difference		Remarks
		Plinth Area / Quantity		Rate	Unit	Amount (A)	Plinth Area / Quantity		Rate	Unit	Amount (A)	Plinth Area / Quantity		Rate	Unit	Amount		Excess (14-6)	Saving (6-14)	
13	Provision & Installation of Emergency equipment	1	Job	1453900	P.Job	1453900	1	Job	1453900	P.Job	1453900	1	Job		P.Job	0		-	1453900	--do--
14	Miscellaneous repairs works of building	1	Job	68900	P.Job	68900	1	Job	68900	P.Job	68900	1	Job		P.Job	0	66935	-	1965	--do--
15	Provision of Electric equepments	1	Job		P.Job	0	1	Job		P.Job	0	1	Job	8465342	P.Job	8465341.585	8465342	8465342	-	As desired by PMU
16	Establishment of Thalassemia Ward	1	Job	3364600	P.Job	3364600	1	Job	3364600	P.Job	3364600	1	Job		P.Job	0		-	3364600	As desired by PMU
17	Establishment of Hepatitis Ward	1	Job	2792936	P.Job	2792936	1	Job	2792936	P.Job	2792936	1	Job		P.Job	0		-	2792936	As desired by PMU
18	Establishment of Medicine Store	1	Job	1423296	P.Job	1423296	1	Job	1423296	P.Job	1423296	1	Job		P.Job	0		-	1423296	As desired by PMU
19	Establishment of Labortary & Blood Bank	1	Job	2134944	P.Job	2134944	1	Job	2134944	P.Job	2134944	1	Job		P.Job	0	47657309	-	2134944	As desired by PMU
	Total.					53015225			-		53015225					20158048	~~49949759~~	20158048	23223472	
	Add 10% External Development on Item No. 16,17 & 18					635118					635118					206068	540370	-	94748	
	Total.					53650343					53650343					20364115	~~50490279~~ 50490145	20158048	23318220	48197679
	D/d cost of old material															0	727906	727906		
	Total.					53650343					53650343					20364115	~~49762373~~ ~~49762239~~	19430142	23318220	47469773
	Add Price esclation															4291288	5012.13 ~~4291288~~ 5012.13	4291288		
	Total.					53650343					53650343					24655403	~~54053661~~	~~23721430~~	23318220	4797 6897
	Add 3% Contingency Charges																~~1621610~~	~~1621610~~		143907
	Add 5% PRA					2682517					2682517						~~2702683~~	~~20166~~		239885

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

GENERAL ABSTRACT

Sr. No.	Description	As Per approved Estiamte	As per Revised Rough Estimate			Difference (B+C)-A		Remarks
			Amount of Work already Alloted	Amount of Work Yet to be alloted / additional Scope	Total (4+5) (B+C)	Excess (6-4)	Saving (4-6)	
2	2	3	4	5	6	7	8	9
1	Improvement of external platforms/pathways	2391900 (A)	2391900 (B)	138659	2530559	138659	-	Excess due to actual; site measurement and as desired by PMU
2	Re-construction/raising/rehablitation of bounary wall i/c provision of razor cut security wire	6823000	6823000	-2311932	4511068	-	2311932	Saving due to actual site measurement and as desired by PMU
3	Improvement of sewerage, sanitation and drainage system & Roof Treatment	2566500	2566500	1506868	4073368	1506868	-	Excess due to actual; site measurement and as desired by PMU
4	Improvement of water supply system	1386900	1386900	-851937	534963	-	851937	Saving due to actual site measurement and as desired by PMU
5	Provision of water filteration plant with supply system	52399	52399	-52399		-	52399	--do--
6	~~Rehablitation of external electrification system~~	~~3153400~~	~~3153400~~	-860935	~~2292465~~	-	~~860935~~	~~--do--~~
7	Improvement of external waiting areas and parking facilities	4718100	4718100	-1651609	3066491	-	1651609	--do--
8	Improvement of Flooring / Skirting	7114400	7114400	6239159	13353559	6239159	-	Excess due to actual; site measurement and as desired by PMU
9	Improvement of internal external wall surfaces	9913700	9913700	-4559719	5353981	-	4559719	Saving due to actual site measurement and as desired by PMU
10	Improvement of Ceilings	725872	725872	530500	1256372	530500	-	Excess due to actual; site measurement and as desired by PMU
11	Improvement of Internal Electrification	1167177	1167177	3277520	4444697	3277520	-	Excess due to actual; site measurement and as desired by PMU

Sr. No.	Description	As Per approved Estiamte	As per Revised Rough Estimate			Difference		Remarks
			Amount of Work already Alloted	Amount of Work Yet to be alloted / additional Scope	Total (4+5)	Excess (6-4)	Saving (4-6)	
12	Improvement of Façade	1763300	1763300			-	1763300	As desired by PMU
13	Provision & Installation of Emergency equipment	1453900	1453900			-	1453900	--do--
14	Miscellaneous repairs works of building	68900	68900	1965	66935	-	1965	--do--
15	Provision of Electric equepments	-	-	8465342	8465342	8465342	-	As desired by PMU
16	Establishment of Thalassemia Ward	3364600	3364600			-	3364600	As desired by PMU
17	Establishment of Hepatitis Ward	2792936	2792936			-	2792936	As desired by PMU
18	Establishment of Medicine Store	1423296	1423296			-	1423296	As desired by PMU
19	Establishment of Labortary & Blood Bank	2134944	2134944			-	2134944	As desired by PMU
	Total.	53015225	**53015225**	**20158048**	49949799	**20158048**	**23223472**	
	Add 10% Esternal **Development on Item No. 16,17 & 18**	635118	635118	206068	540370	-	94748	
	Total.	53650343	**53650343**	**20364115**	50490279	**20158048**	**23318220**	
	D/d cost of old material			**0**	727906	727906		
	Total.	-	-	**20364115**	49762373	**19430142**	**23318220**	
Add Price esclation		-	-	**507124**	507124	507124		
	Total.			**20871239**	50269497	**19937266**	**23318220**	
	Add 3% Contingency Charges	-	-		1508085	1508085	-	
	Add 5% PRA	2682517	2682517		2513475	-	169042	

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

GENERAL ABSTRACT

Sr. No.	Description	As Per approved Estiamte	Amount of Work already Alloted	As per Revised Rough Estimate			Difference		Remarks
				Amount of Work Done /Alloted	Amount of Work Yet to be done / additional Scope	Total (5+6)	Excess (7-4)	Saving (4-7)	
2	2	3	4	5	6	7	8	9	10
1	Improvement of external platforms/pathways	2391900	2391900	1930335	600224	2530559	138659	-	Excess due to actual; site measurement and as desired by PMU
2	Re-construction/raising/rehablitation of bounary wall i/c provision of razor cut security wire	6823000	6823000	4511068	0	4511068	-	2311932	Saving due to actual site measurement and as desired by PMU
3	Improvement of sewerage, sanitation and drainage system & Roof Treatment	2566500	2566500	2233222	1840146	4073368	1506868	-	Excess due to actual; site measurement and as desired by PMU
4	Improvement of water supply system	1386900	1386900	513543	21420	534963	-	851937	Saving due to actual site measurement and as desired by PMU
5	Provision of water filteration plant with supply system	52399	52399				-	52399	--do--
6	~~Rehabilitation of external electrification system~~	~~3153400~~	~~3153400~~	~~1468304~~	~~824161~~	~~2292465~~	-	~~860935~~	--do--
7	Improvement of external waiting areas and parking facilities	4718100	4718100	1220960	1845531	3066491	-	1651609	--do--
8	Improvement of Flooring / Skirting	7114400	7114400	6703816	6649742	13353559	6239159	-	Excess due to actual; site measurement and as desired by PMU
9	Improvement of internal external wall surfaces	9913700	9913700	5353981	0	5353981	-	4559719	Saving due to actual site measurement and as desired by PMU
10	Improvement of Ceilings	725872	725872	704703	551668	1256372	530500	-	Excess due to actual; site measurement and as desired by PMU
11	Improvement of Internal Electrification	1167177	1167177	1118101	3526596	4644697	3277520	-	Excess due to actual; site measurement and as desired by PMU

Sr. No.	Description	As Per approved Estiamte	Amount of Work already Alloted	As per Revised Rough Estimate			Difference		Remarks
				Amount of Work Done /Alloted	Amount of Work Yet to be done / additional Scope	Total (5+6)	Excess (7-4)	Saving (4-7)	
12	Improvement of Façade	1763300	1763300				-	1763300	As desired by PMU
13	Provision & Installation of Emergency equipment	1453900	1453900				-	1453900	--do--
14	Miscellaneous repairs works of building	68900	68900	66935		66935	-	1965	--do--
15	Provision of Electric equepments				8465342	8465342	8465342	-	As desired by PMU
16	Establishment of Thalassemia Ward	3364600	3364600				-	3364600	As desired by PMU
17	Establishment of Hepatitis Ward	2792936	2792936				-	2792936	As desired by PMU
18	Establishment of Medicine Store	1423296	1423296				-	1423296	As desired by PMU
19	Establishment of Labortary & Blood Bank	2134944	2134944				-	2134944	As desired by PMU
	Total.	53015225	53015225	25824969	24124830	49949799	20158047	23223472	
	Add 10% Esternal Development on Item No. 16,17 & 18	635118	635118	334302	206068	540370	-	94748	
	Total.	53650343	53650343	26159271	24330898	50490279	20158047	23318220	
	D/d cost of old material			727906	0	727906	727906		
	Total.			25431365	24330898	49762373	19430141	23318220	
Add Price esclation				507124	3962254	4469377	4469377		
	Total.			25938489	28293151	54231750	23899519	23318220	
	Add 3% Contingency Charges			1599521	27427	1626948	1626948	-	
	Add 5% PRA	2682517	2682517	2682517	29070	2711588	29070	-	

Sr. No.	Description	"A" As Per approved Rough Cost Estiamte					"B" Amount of Work already Alloted			As per Revised Rough Estimate "C" Amount of Work Yet to be alloted / additional Scope		Total (B+C)	Difference		Remarks
		Quantity	Rate	Unit	Amount	P/Area	Quantity	Amount	P/Area	Quantity	Amount		Excess (6-4)	Saving (4-6)	
	Add 1% Horticulture Charges.		P/S		536503			536503				~~517326~~ 536503	4797-69	-	
	Add WAPDA Charges 10 (a) th		3717366		~~3717366~~ 1000000 ~~3525967~~			~~3717366~~ 1000000 ~~3525967~~	3717366			~~3717366~~ 1000000 ~~3525967~~	3710366	-	
	G. Total.				57869363			57869363			24655403 ~~20871239~~	~~59121~~ ~~55827561~~	~~25363206~~ ~~21445351~~	23318220 ~~23487262~~	
	Say.				57.869			57.869			24655 ~~20.871~~	~~59.977~~ ~~55.828~~	25.363 ~~21.445~~ (M)	23.318 (M) ~~23.487~~ (M)	

56.012(M)

As per Approved Rough Cost Rs. 57.869 (M)

As per R.R.C.E ~~Ammended Rough Cost~~ Rs. ~~55.828~~ 59.914(M) (M)

Difference = Rs. ~~2.045~~ 2.045 (M)

3.53% Saving in A.A.

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Superintending Engineer
Building Circle Multan

TECHNICALLY VETTED
For Rs. ~~59.977~~ 56.012(M) (Million)

Circle Engineer, Punjab Buildings Deptt; South Zone, Lahore.
Deputy Director (I), Punjab Buildings Deptt; South Zone, Lahore.
Chief Draftsman, Punjab Buildings Deptt; South Zone, Lahore.

Sr. No.	Description	As Per approved Estiamte	Amount of Work already Alloted	As per Revised Rough Estimate			Difference		Remarks
				Amount of Work Done /Alloted	Amount of Work Yet to be done / additional Scope	Total (5+6)	Excess (7-4)	Saving (4-7)	
	Add 1% Horticulture Charges.	536503	536503	536503		~~536503~~ 517326	0	-	
	Add WAPDA Charges @ 1o lakh	1000000	1000000	1000000		1000000	0	-	
	G. Total.	**57869363**	**57869363**	**31757030**	**28349649**	**60106790**	**25555538**	**23318220**	
	Say.	**57.869**	**57.869**	**31.757**	**28.350**	~~60.107~~ 56.012(M)	**25.556 (M)**	**23.318 (M)**	

As per Approved Rough Cost Rs. 57.869 (M)

As per Ammended Rough Cost Rs. 60.107 (M)

Difference = Rs. 2.237 (M)

3.87% Excess over A.A.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Superintending Engineer
Building Circle Multan

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

GENERAL ABSTARCT

Sr. No.	Description	Amount	Remarks
A	**External Development**		
1	Improvement of external platforms/pathways	Rs. 2,530,559 /-	Detail attached
2	Re-construction/raising/rehablitation of bounary wall i/c provision of razor cut security wire	Rs. 4,511,068 /-	Detail attached
3	Improvement of sewerage, sanitation and drainage system i/ Roof treatment	Rs. 4,073,368 /-	Detail attached
4	Improvement of water supply system	Rs. 534,963 /-	Detail attached
5	~~Rehablitation of external electrification system~~	~~Rs. 2,292,466 /-~~	~~Detail attached~~
6	Improvement of external waiting areas and parking facilities	Rs. 3,066,472 /-	Detail attached
B	**Internal Development**		
1	Improvement of Flooring / Skirting	Rs. 13,353,552 /-	Detail attached
2	Improvement of internal external wall surfaces	Rs. 5,353,981 /-	Detail attached
3	Improvement of Ceilings	Rs. 1,256,372 /-	Detail attached
4	Improvement of Internal Electrification	Rs. 4,444,697 /-	Detail attached
5	Miscellaneous repairs works of building	Rs. 66,935 /-	Detail attached
6	Provision of Elecrtric Installation	Rs. 8,465,342 /-	Detail attached
7	Provision of External Development	Rs. 540,370	
	Total.	**Rs. ~~50,490,145 /-~~** 48197679	
	Cost of of marerial	Rs. 727,906	
	Actual Price **Total.** Variation	**Rs. ~~49,762,239 /-~~** 47469773	
	Add for Price Variation in accordance with Govt of Punjab (Infrastructure Development Wing) Planning & Development Board Lahore Letter No. 594/AC(Tec)/P&D/2022-23 dated 09-09-2022	Rs. ~~4,469,377~~ 507124	
	Total.	**Rs. ~~54,231,616 /-~~** 47976897	
	Add 3% Contingency Charges	Rs. ~~1,626,948 /-~~ 1439307	
	Add 5% PRA Charges	Rs. ~~2,711,581 /-~~ 2398845	
	Add 1% Horticulture Charges	Rs. ~~538,503 /-~~ 479769	
	Add MEPCO Charges ~~To be paid~~	Rs. ~~1,000,000 /-~~ 3,717,366 /- ✓	
	Total.	**Rs. ~~60,106,848 /-~~** 56012184	
	Say.	**Rs. ~~60.107~~ (M)** 56.012(M)	

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

DETAILED ESTIMATE

GENERAL ABSTARCT

Sr. No.	Description	Amount of Work Done	Amount of Work Yet to be alloted	Total	Remarks
A	**External Development**				
1	TUFF PAVER WORKS	Rs. 737,977	Rs. 600,224	1,338,200 /-	Detail attached
2	03-FT EXTERNAL PATHWAY	Rs. 1,192,359	Rs. -	1,192,359 /-	Detail attached
	Total.	**Rs. 1,930,335**	**Rs. 600,224**	**2,530,559 /-**	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

TUFF TILE

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Excess (17-9)	Saving (9-17)	Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3.00	4	5.00	6.00	7	8.00	9.00	10	11.00	12.00	13	14.00	15.00	16.00	17	18	19	20
1	Cement concrete brick or stone ballest 1-1/2 to 2 gauge in foundation and plinth ratio 1:6:12	%Cft.	2925.00	14069.10	411521	2925.00	14069.10	411521				0		0	0	0		411521	
2	Dry rammed brick or stone ballast 1-1/2" to 2" gauge	%Cft.			0			0		4474.80	0	4505	4474.80	201590	4505	201590	201590		
3	ProvidingandlayingTuffpavers,having7000PSI,crushingstrengthof approvedmanufacturer,over2"to3"sandcushioni/cgroutingwithsand injointsi/cfinishingtorequireslope.completeinallrespect. (50% Grey / 50% Coloured) b) 60-mm thick	P. Cft	5850.00	126.15	737978	5850.00	126.15	737978	5850	126.15	737978	3160	126.15	398634	9010	1,136612	398634		
	Total				1149498			1149498			737977			600224		1338201	600224	411521	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

2ND AMMENDED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

TUFF PAVER WORKS

M.R.S Annual Period B-1 (1st January 2022 to 30th June 2022)

1 Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50-mm) gauge.

1 x	50.000 x	40.000 x	0.500	1000.00	Cft.	
1 x	70.000 x	40.000 x	0.500	1400.00		
1 x	120.000 x	10.500 x	0.500	630.00	Cft.	
1 x	295.000 x	10.000 x	0.500	1475.00	Cft.	
			Total	**4505.00**	**Cft.**	
				@ 4474.80	%Cft.	Rs. 201,590 /-

2 ProvidingandlayingTuffpavers,having7000PSI,crushingstrengthofapprovedmanufacturer,over2"to3"sandcushioni/cgroutingwithsandinjointsi/cfinishingtorequireslope.completeinallrespect. (50% Grey / 50% Coloured) b) 60-mm thick

1 x	50.000 x	40.000		2000.00	Sft
1 x	70.000 x	40.000		2800.00	Sft
1 x	120.000 x	10.500		1260.00	Sft
1 x	295.000 x	10.000		2950.00	Sft
			Total	**9010.00**	Sft
				@ 126.15	P.Sft	Rs. 1,136,612 /-

Total **Rs. 1,338,201 /-**

Sub Divisional Officer
Buildings Sub Division
MAILSI

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

PATHWAY

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			Work Done			Work yet to be alloted "C"			Total		Excess (17-9)	Saving (9-17)	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10-13)	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Excavation in foundation of buildings and other structure i/c dagbelling dressing around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft in ordinary soil.	%0Cft.	1458.00	5900.65	8603	1458.00	5900.65	8603	1458	5900.65	8603		5900.65	0	1458	8603	-	-	
2	Filling water and ramming earth under floors with surplus earth from foundation etc.	%0Cft.	972.00	4167.60	4051	972.00	4167.60	4051	972	4167.60	4051		4167.60	0	972	4051	-	-	
ii	with new earth excavated from outside lead upto 1 mile.	%0Cft.	1215.00	15177.05	18440	1215.00	15177.05	18440	1215	15177.05	18440		15177.05	0	1215	18440	-	-	
3	Cement concrete brick or stone ballast 1-1/2" to 2" gauge in F & P 1:6:12.	%Cft.	2191.40	14069.10	308310	2191.40	14069.10	308310	2191	14069.10	308310		14069.10	0	2191	308310	-	-	
4	Pacca brick work in F&P and plinth, ratio 1:6.	%Cft.	1913.63	21322.20	408028	1913.63	21322.20	408028	1914	21322.20	408027		21322.20	0	1914	408027	-		
5	Cement concrete plain i/c placing compaction finishing and curing complete (i/c screning and washing of stone aggregate) 1:2:4.	%Cft.	364.50	28918.18	105407	364.50	28918.18	105407	365	28918.18	105407		28918.18	0	365	105407	-	-	
6	P/L watering and ramming brick ballast 1-1/2" to 2" gauge mixed with 25% sand, for floor foundation complete in all respect.	%Cft.	729.00	5161.30	37626	729.00	5161.30	37626	729	5161.30	37626		5161.30	0	729	37626	-	-	
7	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge d) (Non-Skid Chequred Tiles) 300mmx300mm	P.Sft	1458.00	190.50	277749	1458.00	190.50	277749	1458	190.50	277749		190.50	0	1458	277749	-	-	
8	Carriage of stone agreegate distance from sakhi serwar to Mailsi	%Cft.	321.00	7522.00	24146	321.00	7522.00	24146	321	7522.00	24146		7522.00	0	321	24146	-	-	
	Total				1192359			1192359			1192359			0		1192359	0	0	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI
DETAILED ESTIMATE

03-FT EXTERNAL PATHWAY

M.R.S Annual Period B-1 (1st January 2022 to 30th June 2022)

1 Excavation in foundation of buildings and other structure i/c dagbelling dressing around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft in ordinary soil.

2 x	42.000 x	1.500 x	1.000	126.00	Cft.
2 x	19.000 x	1.500 x	1.000	57.00	
2 x	110.000 x	1.500 x	1.000	330.00	
2 x	315.000 x	1.500 x	1.000	945.00	Cft.
			Total	**1458.00**	**Cft.**
			@ 5900.65	%oCft.	Rs. 8,603 /-

2 Filling water and ramming earth under floors with surplus earth from foundation etc.

Take 2/3 of Qty item No. 1.		0.67 x	1458	972.00	Cft.
			@ 4167.60	0%Cft.	Rs. 4,051 /-

ii. with new earth excavated from outside lead upto 1 mile.

1 x	42.000 x	3.000 x	1.500	189.00	Cft.
1 x	19.000 x	3.000 x	1.500	85.50	Cft.
1 x	110.000 x	3.000 x	1.500	495.00	Cft.
1 x	315.000 x	3.000 x	1.500	1417.50	Cft.
			Total	2187.00	Cft.
D/d					
Surplus earth				972.00	Cft.
				(-) 972.00	Cft.
			Net	**1215.00**	**Cft.**
			@ 15177.05	0%Cft.	Rs. 18,440 /-

3 Cement concrete brick or stone ballast 1-1/2" to 2" gauge in F & P 1:6:12.

2 x	42.000 x	4.500 x	0.500	189.00	Cft.
2 x	19.000 x	4.500 x	0.500	85.50	
2 x	110.000 x	4.540 x	0.500	499.40	Cft.
2 x	315.000 x	4.500 x	0.500	1417.50	Cft.
			Total	**2191.40**	**Cft.**
			@ 14069.10	%Cft.	Rs 308,310 /-

5 Pacca brick work in F&P and plinth, ratio 1:6.

2 x	42.000 x	1.125 x	0.250	23.63	Cft.
2 x	42.000 x	0.750 x	2.250	141.75	Cft.
2 x	19.000 x	1.125 x	0.250	10.69	
2 x	19.000 x	0.750 x	2.250	64.13	
2 x	110.000 x	1.125 x	0.250	61.88	
2 x	110.000 x	0.750 x	2.250	371.25	
2 x	315.000 x	1.125 x	0.250	177.19	
2 x	315.000 x	0.750 x	2.250	1063.13	
			Total	**1913.63**	Cft.
			@ 21322.20	%Cft.	Rs. 408,027 /-

6 Cement concrete plain i/c placing compaction finishing and curing complete (i/c screning and washing of stone aggregate) 1:2:4.

1 x	42.000 x	3.000 x	0.250	31.50	Cft.
1 x	19.000 x	3.000 x	0.250	14.25	
1 x	110.000 x	3.000 x	0.250	82.50	
1 x	315.000 x	3.000 x	0.250	236.25	
			Total	**364.50**	Cft.
			@ 28918.18	%Cft.	Rs. 105,407 /-

7 P/L watering and ramming brick ballast 1-1/2" to 2" gauge mixed with 25% sand, for floor foundation complete in all respect.

1 x	42.000 x	3.000 x	0.500	63.00	Cft.
1 x	19.000 x	3.000 x	0.500	28.50	Cft.
1 x	110.000 x	3.000 x	0.500	165.00	Cft.
1 x	315.000 x	3.000 x	0.500	472.50	Cft.
			Total	**729.00**	Cft.
			@ 5161.30	%Cft.	Rs. 37,626 /-

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

1 x	42.000 x	3.000	126.00	Sft	
1 x	19.000 x	3.000	57.00	Sft	
1 x	110.000 x	3.000	330.00	Sft	
1 x	315.000 x	3.000	945.00	Sft	
		Total	**1458.00**	Sft	
		@ 190.50	P.Sft	Rs.	277,749 /-

9 Carriage of stone agreegate distance from sakhi serwar to Mailsi

PCC	364.500 x	0.880	321.00	Cft.	
		Total	**321.00**	Cft.	
		@ 7522.00	%Cft.	Rs.	24,146 /-
			Total	**Rs.**	**1,192,359 /-**

Sub Divisional Officer
Buildings Sub Division
MAILSI

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

BOUNDARY WALL

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Excess (17-9)	Saving (9-17)	Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Excavation in foundation of buildings and other structure i/c dagbelling dressing around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft in ordinary soil.	%0Cft.	6816.81	5900.65	40224	6816.81	5900.65	40224	4204.38	5900.65	24809		5900.65	0	4204	24809	-	15415	
3	Cement concrete brick or stone ballast 1-1/2" to 2" gauge in F & P 1:4:8.	%Cft.	347.65	16698.30	58052	347.65	16698.30	58052	214.38	16698.30	35797		16698.30	0	214	35797	-	22255	
3	Dry rammed brick or stone ballast 1-1/2' to 2" gauge	%Cft.	993.13	4474.80	44440	993.13	4474.80	44440	612.50	4474.80	27408		4474.80	0	613	27408	-	17032	
4	Pacca brick work in F&P and plinth, ratio 1:6.	%Cft.	4136.51	21823.80	902743	4136.51	21823.80	902743	3279.61	21823.80	715735		21823.80	0	3280	715735	-	187008	
7	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete	P.Cft	1816.00	333.05	604819	1816.00	333.05	604819	1120.00	333.05	373016		333.05	0	1120	373016	-	231803	
7	P/L reinforced cement concrete (i/c prestressed concrete) using coarse sand screened graded and washed aggreate in required shape and design i/c forme moulds shuttering lifting compecting curing rendering and finishing exposed surface complete (but exclude the cost of steel reinforcement its fabrication and placing in poisition etc. RCC in roof slab beams columns lintels girders and other structural members laid in situ or precast laid in position or prestressed members cost in situ complete foundation base slab of columns and retaining wall etc ratio 1:2:4	P.Cft	1013.56	409.90	415456	1013.56	409.90	415456	684.14	409.90	280429		409.90	0	684	280429	-	135027	
5	Fabrication of mild steel reinforcement for cement conc; i/c cutting bending laying in position making joints and fastenings for binding wire and labour charges for bending of steel reinforcement (also includes removal of rust from bars Deformed bars	% Kg	8637.04	25951.10	2241408	8637.04	25951.10	2241408	5326.81	25951.10	1382366		25951.10	0	5327	1382366	-	859042	
5	Pacca brick work in other than building 1:5 upto 10' height.	%Cft.	5708.71	22710.95	1296502	5708.71	22710.95	1296502	3520.78	22710.95	799603		22710.95	0	3521	799603	-	496899	
5	Cement plaster 1:4 upto 20' height 1/2" thick.	%Sft.	7611.31	2591.50	197247	7611.31	2591.50	197247	4694.38	2591.50	121655		2591.50	0	4694	121655	-	75592	
5	Cement pointing struck joint on wall upto 20' height (Ratio 1:2) i/c red oxide pigment in cement pointing to match with the colour of bricks.	%Sft.	11810.81	3388.40	400197	11810.81	3388.40	400197	6636.88	3388.40	224884		3388.40	0	6637	224884	-	175314	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Excess (17-9)	Saving (9-17)	Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	Provicing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge. 24" diameter	P.Rft	1135.00	322.55	366094	1135.00	322.55	366094	700.00	322.55	225785		322.55	0	700	225785	-	140309	
8	Carriage of stone agreegate distance from sakhi serwar to Mailsi	%Cft.	2491.00	7522.00	187373	2491.00	7522.00	187373	2491.00	7522.00	187373	0	7522.00	0	2491	187373	-	-	
	Total				**6754555**			**6754555**			**4398859**			**0**		**4398859**	**0**	**2355696**	
8	Cost of Dismantling				186340			186340	0		112209			0		112209	-	74131	
	Total				**6940895**			**6940895**			**4511068**			**0**		**4511068**	**0**	**2429827**	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

2ND AMMENDED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK"
REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

DETAILED ESTIMATE

Re-construction/raising/rehablitation of bounary wall i/c provision of razor cut security wire

M.R.S Annual Period B-I (1 January 2022 to 30th 2022)

1 Excavation in foundation of buildings and other structure i/c dagbelling dressing around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft in ordinary soil.

	1 x	6.50 x	2.500 x	2.000	32.50 Cft.
	1 x	3.50 x	3.500 x	2.250	27.56 Cft.
				Total	**60.06 Cft.**
				@ 5900.65	%oCft. Rs. 354 /-

2 Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth (e) Ratio 1: 4: 8

	1 x	3.50 x	3.500 x	0.250	3.06 Cft.
				Total	**3.06** Cft.
				@ 16698.30	%Cft. Rs. 511 /

3 Dry rammed brick or stone ballast 1½ " to 2" gauge.

	1 x	7.00 x	2.500 x	0.500	8.75 Cft.
				Total	**8.75** Cft.
				@ 4474.80	%Cft. Rs. 392 /-

4 Pacca brick work in F&P 1:5 upto 10' height.

	1 x	7.00 x	1.500 x	0.250	2.63 Cft.
	1 x	9.25 x	1.125 x	4.250	44.23
				Total	**46.85** Cft.
				@ 21823.80	%Cft. Rs. 10225 /-

5 Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete.

	1 x	3.000 x	3.000 x	0.750	6.75 Cft.
P. Beam	1 x	9.250 x	1.000 x	0.750	6.94 Cft.
Top	1 x	9.250 x	1.000 x	0.250	2.31 Cft.
					16.00
				@ 333.05	P. Cft. Rs 5329 /

6 P/L reinforced cement concrete (i/c prestressed concrete) using coarse sand screened graded and washed aggreate in required shape and design i/c forme moulds shuttering lifting compecting curing rendering and finishing exposed surface complete (but exclude the cost of steel reinforcement its fabrication and placing in poisition etc. RCC in roof slab beams columns lintels girders and other structural members laid in situ or precast laid in position or prestressed members cost in situ complete foundation base slab of columns and retaining wall etc ratio 1:2:4

	1 x	1.125 x	0.750 x	4.250	3.59 Cft.
	1 x	1.00 x	0.750 x	8.250	6.19 Cft.
				Total	**9.77** Cft.
				@ 409.90	P.Cft Rs. 4006 /

7 Fabrication of mild steel reinforcement for cement conc; i/c cutting bending laying in position making joints and fastenings for binding wire and labour charges for bending of steel reinforcement (also includes removal of rust from bars Deformed bars

1/2" dia.	2 x	6.00 x	2.917		35 Rft.	
	1 x	6.00 x	12.750		77 Rft.	
	1 x	6.00 x	10.000		60 Rft.	
					172	
			172 x	0.667 x	0.4536	51.89 Kg.
3/8" dia.	1 x	4.00 x	3.750		15 Rft.	
	1 x	9.00 x	3.500		32 Rft.	
	1 x	20.00 x	3.375		68 Rft.	
	1 x	2.00 x	10.000		20 Rft.	
	1 x	9.000 x	0.9166		8 Rft.	
					142	
			142 x	0.375 x	0.4536	24.21 Kg.
						76.10 Kg.
					@ 25951.10	%Kg. Rs. 19748 /

8 Pacca brick work in other than building 1:5 upto 10' height.

	1 x	9.25 x	0.750 x	7.250	50.30 Cft.
				@ 22710.95	%Cft. Rs. 11423 /

9 Cement plaster 1:4 upto 20' height 1/2" thick.

	1 x	9.25 x	7.250		67.06 Sft.
				@ 2591.50	%Sft. Rs. 1738 /

10 Cement pointing struck joint on wall upto 20' height (Ratio 1:2) i/c red oxide pigment in cement pointing to match with the colour of bricks.

1 x	9.25 x	7.250	67.06	Cft.
1 x	9.25 x	3.000	27.75	
		Total	**94.81**	Sft
		@ 3388.40	%Sft.	Rs. 3213 /-

11 Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge. 24" diameter

1 x	10.00		10.00	Rft
			@ 322.55	P.Rft Rs. 3226 /-
			Total	**Rs. 60164 /-**

Rate for P. Rft. 60164 / 10 = 6016.41 P. Rft.

Boundary Wall	Length	x	Rate	Amount.	
	700	x	6016.41	**Rs. 4211486 /-**	Rs. 4211486
			Cost of Dismantling		Rs. 112209
				Total	Rs. 4323695

9 Carriage of stone agreegate distance from sakhi serwar to Mailsi

RCC Raft	1816 x	0.880	1598.00	Cft.
RCC Roof	1014 x	0.880	893.00	Cft.
		Total	**2491.00**	Cft.
		@ 7522.00	%Cft.	Rs. 187,373 /-
			Total	Rs. 4511068

Sub Divisional Officer
Buildings Sub Division
MAILSI

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

COST OF DISMANTLING

MRS, 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022)

1 Dismantling of pacca brick work lime cement sand mortar .

1 x	700.00 x	1.125 x	2.000	1575 Cft.
1 x	700.00 x	0.750 x	3.000	1575 Cft.
44 x	1.125 x	0.375 x	3.000	55 Cft.
			Total	**3205** Cft.

@ 3500.65 %Sft Rs. 112209 /-

SIE

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

COST OF OLD MATERIAL.

Qty of Dismantling of brick work : 6875 Cft

1	Bricks	3205 x	60.00 / 100.00 x	1350 / 100		**25964 Cft.**			
					@ 4000.00	%o Nos.		Rs.	103854
2	Bats	3205 x	40.00 / 100.00			1282.15 Cft.			
				Total		**1282.15** Cft.			
					@ 3000.00	%Cft.		Rs.	38464
9	Roof Tile								
		25400.76 x	360.000 x	100.000 x	0.60		54866		
					Total:		54866		
					@ 3500.00	%0Nos.	Rs.		192,030
	Bats	25400.76 x	40.000 /	100.000			10160 Cft		
					Total:		10160 Cft		
					@ 2500.00	% Cft	Rs.		254,008
	Old Wooden batten not useable								
					Total:		57 Nos.		
					@ 650.00	Each	Rs.		37,050
	Old iron door								
					Total:		30 Nos.		
					@ 2500.00	Each	Rs.		75,000
	Old iron door								
					Total:		5 Nos.		
					@ 5500.00	Each	Rs.		27,500
						Total	**Rs.**		727906

SUB ENGINEER

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
Mailsi

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

AMMENDED DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of sewerage, sanitation and drainage system & Roof Treatment

Sr. No.	Description	Amount of Work Done/alloted	Amount of Work yet to be alloted	Total	Remarks
A	**External Development**				
1	Improvement of sewerage, sanitation and drainage system	Rs. 821,362	Rs. 96,074	Rs. 917,436 /-	Detail attached
2	Roof Treatment	Rs. 1,411,861	Rs. 1,744,072	Rs. 3,155,932 /-	Detail attached
	Total.	**Rs. 2,233,222**	**Rs. 1,840,146**	**Rs. 4,073,368 /-**	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of sewerage, sanitation and drainage system & Roof Treatment

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Excess (17-9)	Saving (9-17)	Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:- i) ordinary	%0Cft.	9550.00	6750.85	64471	9550.00	6750.85	64471	4855.00	6750.85	32775		6750.85	0	4855	32775	-	31695	
2	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (18") i/d	P.Rft	400.00	713.25	285300	400.00	713.25	285300	0.00	713.25	0		713.25	0	0	0	-	285300	
3	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (12") i/d	P.Rft	200.00	637.05	127410	200.00	637.05	127410	200.00	637.05	127410		637.05	0	200	127410	-	-	
4	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (9") i/d	P.Rft	200.00	436.70	87340	200.00	436.70	87340	200.00	436.70	87340	220	436.70	96074	420	183414	96074	-	
5	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (6") i/d	P.Rft	200.00	226.95	45390	200.00	226.95	45390	200.00	226.95	45390		226.95	0	200	45390	-	-	
6	Const: of Manhole size 6' depth	Each	20.00	26721.34	534427	20.00	26721.34	534427	20.00	26422.33	528447		528447	0	20	528447	-	5980	
	Total				1144337			1144336			821362			96074		917436	96074	322976	

Sub Divisional Officer
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BUILDINGS DIVISION
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2ND AMMENDED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of sewerage, sanitation and drainage system i/ Roof treatment

M.R.S Annual Period B-i (1 January 2022 to 30th June 2022)

1 Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:- i) ordinary

1 x	x	3.500 x	4.500	0 Cft.
1 x	200 x	2.500 x	3.500	1750 Cft.
1 x	420 x	1.500 x	3.500	2205 Cft.
1 x	200 x	1.500 x	3.000	900 Cft.
				4855 Cft.

@ 6750.85 %oCft. Rs. 32,775 /-

2 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (18") i/d

1 x 0 0.00 Rft.

@ 713.25 P. Rft. Rs. - /-

2 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (12") i/d

1 x 200 200.00 Rft.

@ 637.05 P. Rft. Rs. 127,410 /-

2 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (9") i/d

1 x 420 420.00 Rft.

@ 436.70 P. Rft. Rs. 183,414 /-

2 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (6") i/d

1 x 200 200.00 Rft.

@ 226.95 P. Rft. Rs. 45,390 /-

3 Const: of Manhole size 6' depth

20.00 No.

@ 26422.33 Each. Rs. 528,447 /-

Total Rs. 917,436 /-

Sub Divisional Officer
Buildings Sub Division
MAILSI

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

DETAILED FOR MAN HOLE

M.R.S B-I (1st January 2022 to 30th June: 2022)

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

1 x 3.142 x 6.000 x 6.000 x 0.250 x 3.000 = 85 Cft.

85 Cft.

@ 6750.85 %oCft Rs. 573 /-

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

1 x 3.142 x 5.000 x 5.000 x 0.250 x 0.5 = 10 Cft.

10 Cft.

@ 4474.80 %Cft. Rs. 439 /

3 Pucca brick work in 1:4 in other than building upto 10' height.

$1 \times 3.142 \times \left(\frac{5.000 + 5.000}{4}\right) \times 0.750 \times 6.000 = 35$ Cft.

35 Cft.

@ 23378.15 %Cft. Rs. 8264 /

4 Cement concrete plain i/c placing compaction finishing and curing complete (i/c screning and washing of stone aggregate) 1:2:4

1 x 3.142 x 6.000 x 6.000 x 0.250 x 0.333 = 9.42 Cft.

9.42

@ 28918.18 %Cft. Rs. 2723 /

5 Cement plaster 1:4 upto 20' height 1/2" thick.

$1 \times 3.142 \times \left(\frac{5.000 + 5.000}{4}\right) \times 5.000 = 39$ Cft.

39 Sft

@ 2591.50 %Sft. Rs. 1018 /

6 Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.

1 No.

@ 13405.75 Each. Rs. 13406 /

Total 26422 /-

Sub Divisional Officer
Buildings Sub Division
MAILSI

Sub Engineer

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BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of sewerage, sanitation and drainage system & Roof Treatment

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty. (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Dismantling 1st class tile roofing and removing old earth and polythene sheet	% Sft	13610.00	1235.50	168154	13610.00	1235.50	168154	13610.00	1235.50	168152	11791	1235.50	145675	25401	313826	145673	-	
2	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge etc	% Sft	13610.00	9138.20	1243724	13610.00	9138.20	1243724	13610.00	9138.20	1243709	11791	9138.20	1077463	25401	2321172	1077448	-	
3	Removing of old plaster from wall	% Sft										3525.50	343.20	12100	3526	12100	12100	-	
4	1/2" thick cement plster 1:4 cement sand mortar upto 20' heignt	% Sft										3525.50	2591.50	91363	3526	91363	91363	-	
5	Khurra on roof 2'x2'x1/2'	Each										50.00	679.30	33965	50	33965	33965	-	
6	Providing,fixing,testing and commissioning of u-PVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular /Beta /BBJ plain /socket ended conforming to codeEN-1401 of specified SDR.(Standard Dimension Ratio) including the cost of speciais and Soivents complete in all respect as approved and directed by the Engineer Incharge.) 4" dia Type (SDR 32.5/SN-8)	P.Rft										800.00	246.60	197280	800	197280	197280	-	
7	P/F PVC bend 4" dia Class "D"	Each										100.00	477.35	47735	100	47735	47735	-	
8	P/F PVC socket 4" dia Class "D"	Each										50.00	449.85	22493	50	22493	22493	-	
9	Providing and fixing 1" thick thermopore sheet (foamed polythene) sheet in horizontal and vertical expansion joints.	P.Sft										475.00	15.50	7363	475	7363	7363	-	
10	Plain cement concrete i/c placing 1:2:4	% Cft										375.67	28918.18	108636	376	108636	108636	-	
Total					1411878			1411877			1411861			1744072		3155932	1744055	0	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI (ROOF TREATMENT)

M.R.S (1st January 2022 to 30th June 2022)

1 Dismantling 1st class tile roofing and removing old earth and polythene sheet

2.00 x	49.50 x	41.00	4059	Sft
2.00 x	27.00 x	24.54	1325	Sft
2.00 x	40.00 x	10.00	800	Sft
1.00 x	110.00 x	10.00	1100	Sft
2.00 x	78.00 x	20.00	3120	Sft
2.00 x	17.00 x	27.00	918	Sft
1.00 x	44.00 x	52.00	2288	Sft
1.00 x	188.00 x	52.00	9776	Sft
2.00 x	49.63 x	8.166	810	Sft
1.00 x	30.875 x	39.00	1204	Sft
		Total:	25401	Sft

@ 1235.50 % Sft Rs. 313,826 /-

2 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge etc

2.00 x	49.50 x	41.00	4059	Sft
2.00 x	27.00 x	24.54	1325	Sft
2.00 x	40.00 x	10.00	800	Sft
1.00 x	110.00 x	10.00	1100	Sft
2.00 x	78.00 x	20.00	3120	Sft
2.00 x	17.00 x	27.00	918	Sft
1.00 x	44.00 x	52.00	2288	Sft
1.00 x	188.00 x	52.00	9776	Sft
1.00 x	30.88 x	39.00	1204	Sft
2.00 x	49.63 x	8.166	810	Sft
		Total:	25401	Sft

@ 9138.20 % Sft Rs. 2,321,172 /-

3 Removing of old plaster from wall

1.00 x	1282.00 x	2.75	3526	Sft
		Total:	3526	Sft

@ 343.20 % Sft Rs. 12,100 /-

4 1/2" thick cement plster 1:4 cement sand mortar upto 20' height

Parapit	1.00 x	1282.00 x	2.75	3526 Sft
			Total:	3526 Sft

@ 2591.50 % Sft Rs. 91,363 /-

5 Khurra on roof 2'x2'x1/2'

50 Nos

Total: 50 Nos

@ 679.30 Each Rs. 33,965 /-

6 Providing,fixing,testing and commissioning of µ-PVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular /Beta /BBJ plain /socket ended conforming to codeEN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.) 4" dia Type (SDR 32.5/SN-8)

50.00 x	16.00		800	Rft
		Total:	800	Rft

@ 246.60 P.Rft Rs. 197,280 /-

7 P/F PVC bend 4" dia Class "D"

100 Nos

Total: 100 Nos

@ 477.35 Each Rs. 47,735 /-

8 P/F PVC socket 4" dia Class "D"

50 Nos

Total: 50 Nos

@ 449.85 Each Rs. 22,493 /-

9 Providing and fixing 1" thick thermopore sheet (foamed polythene) sheet in horizontal and vertical expansion joints.

475 Sft

Total: 475 sft

@ 15.50 P.Sft Rs. 7,363 /-

10 Plain cement concrete i/c placing 1:2:4

1.00 x	475.00 x	2.375 x	0.333	376	Cft
			Total:	376	Cft

@ 28918.18 % Cft Rs. 108,636 /-

Total Rs. 3,155,932 /-

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

SIE

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of sewerage, sanitation and drainage system & Roof Treatment

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft (1.5 m) depth from ground level, including trimming, dressing sides levelling the beds of pits for joints, etc. complete in all respects.	%0Cft	9146.00	6204.00	56743	9146.00	6204.00	56743	2533.50	6204.00	15719		6204.00		2534	15718	-	41025	
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge in F&P 1:6:12	%Cft	1788.75	14069.10	251661	1788.75	14069.10	251661		14069.10	0		14069.10	0	0	0	-	251661	
3	Cement concrete plain i/c placing compaction finishing and curing complete i/ screning and washing of stone aggregate. 1:2:4.	%Cft	30.00	28918.18	8667	30.00	28918.18	8667	11.99	28918.18	3467		28918.18	0	12	3467	-	5201	
4	Rehandling of earthwork lead upto a single throw of Kassi, phora or showel i/c compaction by rolling with animal drivedn hand ramming in ordinary soil.	%0Cft	8438.00	2059.20	17376	8438.00	2059.20	17376	2250.00	2059.20	4633		2059.20	0	2250	4633	-	12742	
5	Pacca brick work other than building upto 10ft. (3 m) height. Cement sand mortar 1:4.	%Cft	393.75	23378.15	92051	393.75	23378.15	92051	157.50	23378.15	36821		23378.15	0	158	36821	-	55231	
6	1/2" thick cement plaster 1:4 upto 20; height	%Sft	540.00	2591.50	13994	540.00	2591.50	13994	216.00	2591.50	5598		2591.50	0	216	5598	-	8396	
7	Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material). Double	Each	7.00	9175.70	64230	7.00	9175.70	64230	4.00	9175.70	36703		9175.70	0	4	36703	-	27527	
8	ProvidingandfixingCPheavydutybrassBallvalvewithCPhandleofspecifieddiametermadeofFaisal/Sonex/Masterbestqualityorequivalent completeinallrespectasapprovedanddirectedbythe engineer incharge 1-1/4" dia	Each	10.00	1777.20	17772	10.00	1777.20	17772	6.00	1777.20	10663		1777.20	0	6	10663	-	7109	
ii	Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.2" dia	P.Rft	1550.00	302.45	468798	1550.00	302.45	468798	600.00	302.45	181470		302.45	0	600	181470	-	287328	
iii	Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.1-1/4" dia	P.Rft	400.00	129.30	51720	400.00	129.30	51720	400.00	129.30	51720		129.30	0	400	51720	-	-	
iv	Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.1" dia	P.Rft	600.00	85.80	51480	600.00	85.80	51480	400.00	85.80	34320		85.80	0	400	34320	-	17160	
iv	Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.3/4" dia	P.Rft		85.80	0		85.80	0		53.55	0	400	53.55	21420	400	21420	21420	-	
9	P/L reinforced cement concrete (i/c prestressed concrete) using coarse sand screened graded and washed aggreate in required shape and design i/c forme moulds shuttering lifting compecting curing rendering and finishing exposed surface complete (but exclude the cost of steel reinforcement its fabrication and placing in bolts anchors etc. RCC in roof slab beams columns lintes girders and other structural members a c in situ or precast a c ... cost of prestressing members cost in situ complete for precast ... ... columns and retaining walls etc rate 1 2 4	P.Cft	50.63	409.90	20751	50.63	409.90	20751	50.63	409.90	20751		409.90	0	51	20751	-	-	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amount of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
10	Fabrication of mild steel reinforcement for cement conc; i/c cutting bending laying in position making joints and fastenings for binding wire and labour charges for bending of steel reinforcement (also includes removal of rust from bars) Deformed bars	% Kg	156.29	25951.10	40559	156.29	25951.10	40559	156.29	25951.10	40559		25951.10	0	156	40559	-	0	
11	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) i/c the cost of all accessories flanges,nut/bolt and gaskit where required complete in all respect as approved and directed by the Engineer Incharge. Flange Ended Ductile Iron Valve 3" dia	Each	6.00	28154.40	168926	6.00	28154.40	168926	2.00	28154.40	56309		28154.40	0	2	56309	-	112618	
12	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) i/c the cost of all accessories flanges,nut/bolt and gaskit where required complete in all respect as approved and directed by the Engineer Incharge. Bronze Threaded Valves 3/4" dia	Each	6.00	3157.20	18943	6.00	3157.20	18943	3.00	3157.20	9472		3157.20	0	3	9472	-	9472	
13	Carriage of stone agreegate distance from sakhi serwar to Mailsi	% Cft	71.00	7522.00	5341	71.00	7522.00	5341	71.00	7522.00	5341		7522.00	0	71	5341	-	-	
	Total				1349011			1349011			513543			21420		534963	21420	835469	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

IMPROVEMENT OF WATER SUPPLY SYSTEM

M.R.S (1st January 2022 to 30th June 2022)

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

1.00 x	600.00 x	1.50 x	2.50	2250 Cft.
4.00 x	4.50 x	4.50 x	3.50	284 Cft.
			Total:	2534 Cft.

@ 6204.00 %0Cft Rs. 15718 /-

3 Cement concrete plain i/c placing compaction finishing and curing complete i/ screning and washing of stone aggregate. 1:2:4.

4.00 x	3.00 x	3.000 x	0.333	12 Sft
			Total:	12 Sft

@ 28918.18 % Cft. Rs. 3467 /-

5 Rehandling of earthwork lead upto a single throw of Kassi, phora or showel i/c compaction by rolling with animal drivedn hand ramming in ordinary soil.

Qty as tem no.2 2534 Cft.

4.00 x	4.50 x	4.50 x	3.50	284 Cft.
			Total	2250 Cft.

@ 2059.20 %0Cft Rs. 4633 /-

6 Pacca brick work other than building upto 10ft. (3 m) height. Cement sand mortar 1:4.

4.00 x	2.00 x	4.50 x	0.75 x	3.500	95 Cft.
4.00 x	2.00 x	3.00 x	0.75 x	3.500	63 Cft.
				Total	158 Cft.

@ 23378.15 %Cft. Rs. 36821 /-

7 1/2" thick cement plaster 1:4 upto 20; height.

4.00 x	2.00 x	2.000 x	3.000 x	4.5	216 Sft
				Total:	216 Sft

@ 2591.50 % Sft. Rs. 5598 /-

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

4 No

@ 9175.70 Each Rs. 36703 /-

9 ProvidingandfixingCPheavydutybrassBallvalvewithCPhandleofspecifieddiametermadeofFaisal/ Sonex/Masterbestqualityorequivalentcompleteinallrespectasapprovedanddirectedbythe engineer incharge 1-1/4" dia

6 No

@ 1777.20 Each Rs. 10663 /-

10 Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.2" dia

600 Rft

@ 302.45 P.Rft Rs. 181470 /-

(ii) Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.1-1/4" dia

400 Rft

@ 129.30 P.Rft Rs. 51720 /-

(ii) Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.1" dia

400 Rft

@ 85.80 P.Rft Rs. 34320 /-

(ii) Providing, laying, testing and commissioning POLYPROPYLENE RANDOM COPOLYMER (PPRC)(Dadex) water supply pipe (PN20) complete.3/4" dia

400 Rft

@ 53.55 P.Rft Rs. 21420 /-

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Rehablitation of external electrification system

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
(1)	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:-) 19/2.11 mm (19/0.083") 70mm²c	P.Rft	850.00	2605.50	2214675	850.00	2605.50	2214675	450.00	2605.50	1172475		2605.50	0	450	1172475	-	1042200	
(2)	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I . wi re/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 vol t non armoured cable:- 19/0.052 25mm²c	P.Rft			0			0		995.35		760.00	995.35	756466	760	756466	756466	-	
(3)	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I . wi re/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 vol ts. 7/0.064 16mm²c	P.Rft			0			0		225.65		300.00	225.65	67695	300	67695	67695	-	
(4)	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with UP.V.C. pipes of B.S.S. with 'D' Class working pressure complete in all respects:-4"-	P.Rft	850.00	657.40	558790	850.00	657.40	558790	450.00	657.40	295830		657.40	0	450	295830	-	262960	
(5)	Supplying ,Instaliation 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. Tripple pole (xi) 300-630 Amp(50 KA)	Each	4.00	72017.80	288071	4.00	72017.80	288071	0.00	72017.80	0		72017.80	0	0	0	-	288071	
	Total				3061536			3061535			1468304			824161		2292466	824161	1593231	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

2ND AMMENDED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

0

Rehablitation of external electrification system

MRS I 2021 (1st January 2022 to 30th June 2022)

1	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:-) 19/2.11 mm (19/0.083") 2 Nos 4/C			=	450	Rft	
			Total	**=**	**450**	**Rft**	
		@ Rs:	2605.50			Rs:	**1,172,475**
1	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I . wi re/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 vol t non armoured cable:- 19/0.052 2 Sets 4/C			=	760	Rft	
			Total	**=**	**760**	**Rft**	
		@ Rs:	995.35			Rs:	**756,466**
1	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I . wi re/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 vol ts. 7/0.064 1 Sets 4/C			=	300	Rft	
			Total	**=**	**300**	**Rft**	
		@ Rs:	225.65			Rs:	**67,695**
2	Providing, laying, cutting, jointing, testing and disinfecting Chap Providing and installing specials pipe line in trenches with UP.V.C. pipes of B.S.S. with 'D' Class working pressure complete in all respects:-4"			=	450	Rft	
			Total	**=**	**450**	**Rft**	
		@ Rs:	657.40	P.Rft		Rs:	**295,830**
3	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. Tripple pole (xi) 300-630 Amp(50 KA) 1			=		Nos	
			Total	**=**	**0**	**Nos.**	
		@ Rs:	72017.80	Each		Rs:	-
					Total		**2,292,466**

SUB ENGINEER
Buildings Sub Division
Mailsi

SUB DIVISIONAL OFFICER
Buildings Sub Division
Mailsi

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

DETAILED ESTIMATE FOR THE WORK REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI
(COUNTER, LEVELLING DRESSING & SHED)

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) a) in sand, ashes or loose soil	%0Cft	1330.00	5900.65	7848	1330.00	5900.65	7848		5900.65	0		5900.65	0	0	0	-	7848	
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:12 in F&P	%Cft	266.00	14069.10	37424	266.00	14069.10	37424		14069.10	0		14069.10	0	0	0	-	37424	
3	Pacca brick work in foundation and plinth 1:6	%Cft	507.00	21322.20	108117	507.00	21322.20	108117		21322.20	13		21322.20	13	0	13	-	108104	
4	Pacca brick work in cement sand mortor G.F 1:6	%Cft	898.00	23112.15	207489	898.00	23112.15	207489		23112.15	-58		23112.15	0	0	-58	-	207547	
5	Pacca brick work in cement sand mortor G.F 1:4	%Cft	524.00	24280.95	127156	524.00	24280.95	127156		24280.95	-76		24280.95	0	0	-76	-	127232	
6	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge a) Full body Glazed tiles (ii) 24"x24"	P.Sft	119.00	302.25	35968	119.00	302.25	35968		302.25	0		302.25	0	0	0	-	35968	
7	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2)cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles24"x24"	P.Sft	272.00	302.25	82212	272.00	302.25	82212		302.25	0		302.25	0	0	0	-	82212	
8	Providing and fixing 2 mm thick Double glazed aluminium windows of anodized bronze colour partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	P.Sft	128.00	1336.10	171021	128.00	1336.10	171021		1336.10	0		1336.10	0	0	0	-	171021	
9	Providing and fixing M.S. grill fabricated with M.S Square polished Vertical/horizontal Bars of specified size @ 4" c/c passed through punched holes in M.S 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. 3/5	P.Sft	128.00	648.05	82950	128.00	648.05	82950		648.05	0		648.05	0	0	0	-	82950	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total		Excess (17-9)	Saving (9-17)	
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
10	P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deiux section of M/S Al-cop or pakistan cables having chowkat frame of size 40mm× 100mm and leaf frame of 60mm× 40mm wide sections i/c the cost of 1/4"thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging using approved standard fittings lock 3" wide long handles etc and hardware any required as approved by the Engineer Incharge	P.Sft	173.00	716.50	123955	173.00	716.50	123955		716.50	0		716.50	0	0	0	-	123955	
11	1/2"thick cement plaster 1:4 upto 20' height	% Sft	1254.00	2591.50	32497	1254.00	2591.50	32497		2591.50	0		2591.50	0	0	0	-	32497	
12	Distempring three coat on new surface i/c under coat	% Sft	1254.00	1370.85	17190	1254.00	1370.85	17190		1370.85	0		1370.85	0	0	0	-	17190	
13	Providing and applying weather shield paint of approved quali ty on external surface of bui lding including preparation of surface, appl ication of primer complete in al l respect:	% Sft	1254.00	4685.25	58753	1254.00	4685.25	58753		4685.25	0		4685.25	0	0	0	-	58753	
14	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials 25mm dia	P.Rft	500.00	69.40	34700	500.00	69.40	34700		69.40	0		69.40	0	0	0	-	34700	
15	S/E of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit/ G.I. pipe/ wooden strip battan/wooden casing and caping/G.I. wire/trenches (Rates for cable only)250/440 volts. i) 3/0.029"	P.Rft	700.00	20.95	14665	700.00	20.95	14665		20.95	0		20.95	0	0	0	-	14665	
16	7/0.029"	P.Rft	200.00	33.00	6600	200.00	33.00	6600		33.00	0		33.00	0	0	0	-	6600	
17	7/0.064 "Twin core	P.Rft	500.00	245.65	122825	500.00	245.65	122825		245.65	0		245.65	0	0	0	-	122825	
18	S/E of M.S sheet box of 16 SWG 4" deep with 3/16" thick bakelite sheet on top etc 7"x4"	Each	8.00	311.10	2489	8.00	311.10	2489		311.10	0		311.10	0	0	0	-	2489	
19	S/E of switch 10/15 Ampere recessed type	Each	20.00	73.70	1474	20.00	73.70	1474		73.70	0		73.70	0	0	0	-	1474	
20	S/E of 3-pin 10/15-amp wall socket	Each	8.00	113.30	906	8.00	113.30	906		113.30	0		113.30	0	0	0	-	906	
21	Earthing of iron clad/aluminum switches, etc. with G.I. wire 8 SWG in G.I. pipe ½" dia recessed or on surface of wall and floor, complete with 1.5 meter long G.I. pipe, 2" dia with reducing socket 4 to 5 meter below ground level and 2 metre away from building plinth.	Each	1.00	8020.05	8020	1.00	8020.05	8020		8020.05	0		8020.05	0	0	0	-	8020	
22	Supply and erection of iron/aluminum clad, 500 volts main switches with ki tkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. 100 Amp	Each	1.00	4218.75	4219	1.00	4218.75	4219		4218.75	0		4218.75	0	0	0	-	4219	
23	S/E of best quality LED 18 Watts etc complete in all respect and as approved by the Engineer	Each	10.00	580.00	5800	10.00	580.00	5800		580.00	0		580.00	0	0	0	-	5800	
25	S/E of button holder large size backliete	Each	10.00	87.15	872	10.00	87.15	872		87.15	0		87.15	0	0	0	-	872	
26	S/E of bracket fan GFC/Pak Fans etc complete in all respect and as approved by the Engineer incharge 18" Sweep	Each	6.00	3600.00	21600	6.00	3600.00	21600		3600.00	0		3600.00	0	0	0	-	21600	
27	Providing and fixing terrace railing of 2" (50 mm) i/c conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm)square bar 2 75 ft (838 mm) high fixed at 5" (125 mm)centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.	P Rft	296.00	1329.25	393465	296.00	1329.25	393465		1329.25	7		1329.25	7	0	7	-	393458	
28	Leveling dressing and making lawns	%Oft	20000.00	411.85	82370	20000.00	411.85	82370	20000.00	411.85	82370		411.85	0	20000	82370	-	-	
29	Borrow/ excavation undressed lead upto 3-miles all lead	%Oft	70000.00	11632.35	8252865	70000.00	11632.35	8252865	70000.00	11632.35	8252865		11632.35	0	70000	8252865	-	-	
30	Fix of cutting jointing testing G I pipe in trenches of G I pipe BSS 1387-1967 complete in all respect 4" dia (Light Quality)	P Rft	176.00	1107.25	194876	176.00	1107.25	194876		1107.25	0		1107.25	0	0	0	-	194876	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
31	P/L cement concrete plain i/c placing compaction curring and finishing etc 1:2:4	% Cft	350.00	28918.18	101214	350.00	28918.18	101214		28918.18	0		28918.18	0	0	0	-	101214	
32	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" painting three coats complete in all respect as approved and directed by the Engineer Incharge. (ii) 3" dia GI pipe Supports	Each	2800.00	517.40	1448720	2800.00	517.40	1448720	600.00	517.40	310440		517.40	0	600	310440	-	1138280	
33	Providing & Fixing corrugated galvanized iron sheets with G.I. bolts, nuts, limpet and bitumen washers, wind ties, complete in all respects without valleys and ridges:-20 BWG	% Sft	573.00	36887.65	211366	573.00	36887.65	211366		36887.65	0		36887.65	0	0	0	-	211366	
34	Carriage of stone agreegate distance from sakhi serwar to Mailsi	% Cft	308.00	7522.00	23168	308.00	7522.00	23168		7522.00	0		7522.00	0	0	0	-	23168	
35	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	% Kg										1905	27291.05	519895	1905	519895	519895	-	
36	Providing and fixing G.I. wire gauze 24 SWG, 12x12 meshes per square inch, fixed to steel windows or doors, etc., complete in all respects.	P.Sft										1040	121.80	126672	1040	126672	126672	-	
37	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge	P.Sft										385	880.00	338800	385	338800	338800	-	
38	P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial plyover1"thickpackingwoodinstyleandrailsunderproperpressurei/checostofnails,towerbolt,handles,glue,sawingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwoodenlippingasapproved anddirectedbytheEngineer Incharge.	P.Sft										1288	453.75	584487	1288	584487	584487	-	
39	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	Each										24	2932.00	70368	24	70368	70368	-	
40	Brass sliding bolt (ii) 10" long	Each										52	908.00	47216	52	47216	47216	-	
41	Providing and fixing, approved quality mortice lock.	Each										52	733.50	38142	52	38142	38142	-	
42	Providing and fixing mild steel chowkat of doors, windows,C.window, etc. including holdfast, making and threading holes for hinges, et c. compl ete: - a) M.S. angle i ron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. f lat 2"x ¼" (50 mm x 6 mm)	Each										26	337.95	8618	26	8618	8618	-	
43	Painting to doors and windows two coat on new surface	% Sft										2576	2242.30	57767	2576	57767	57767	-	
44	Pacca brick work in G.F in cement sand mortar 1:6.	% Sft										180	23112.15	41602	180	41602	41602	-	
45	1/2" brick cement plaster 1:5 in cement sand mortar	% Sft										480	2488.80	11946	480	11946	11946	-	
	Total				4600047			4600047			1220960			1845531		3066472	1845511	3379231	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

(COUNTER, LEVELLING DRESSING & SHED)

MRS 1st 2021 (1st Jun 2022 to 30th June 2022)

1	Leveling, dressing and making lawns.							
	2 x 2 x 100 x 50			=	20000	Sft		
		Total		**=**	**20000**	**Sft**		
		@ Rs:	411.85	%Sft		Rs:	82,370	
2	Borrowpit excavation undressed lead upto 3- mile in ordinary soil i/c compaction							
	2 x 2 x 100 x 50	x	3.5	=	70000	Cf		
		Total		**=**	**70000**	**Cft**		
		@ Rs:	11832.35	%0 Cft		Rs:	828,265	
3	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.							
				=	1905	Kg		
		Total		**=**	**1905**	Kg		
		@ Rs:	27291.05	% Kg		Rs:	519,895	
4	Providing and fixing G.I. wire gauze 24 SWG, 12x12 meshes per square inch, fixed to steel windows or doors, etc., complete in all respects.							
	2 x 10 x 8 x 6.5			=	1040	Sft		
		Total		**=**	**1040**	Sft		
		@ Rs:	121.80	P.SFt		Rs:	126,672	
5	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge							
	22 x 2 1/2 x 7			=	385	Sft		
		Total		**=**	**385**	Sft		
		@ Rs:	880.00	P.SFt		Rs:	338,800	
6	P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial plyover1"thickpackingwoodinstyleandrailsunderproperpressurei/cthe costofnails,towerbolt,handles,glue,sawingcharges,Paintingcharges, sandpaperingand3/8"thickmatchingwoodenlippingasapprovedanddir ectedbytheEngineer Incharge.							
	38 x 3 1/2 x 6.875			=	914	Sft		
	Operation Ther: 2 x 5 x 8.5			=	85	Sft		
	14 x 3 x 6.875			=	289	Sft		
		Total		**=**	**1288**	Sft		
		@ Rs:	453.75	P.SFt		Rs:	584,487	
7	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.							
				=	24	No.		
		Total		**=**	**24**	No.		
		@ Rs:	2932.00	Each		Rs:	70,368	
8	Brass sliding bolt (ii) 10" long							
				=	52	No.		
		Total		**=**	**52**	No.		
		@ Rs:	908.00	Each		Rs:	47,216	

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

DETAILED ESTIMATE FOR THE WORK REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI
(TILE WORK).

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Dismantling glazed or encaustic tiles, etc.	% Sft	1965.00	1932.50	37974	1965.00	1932.50	37974	1965.00	1932.50	37974	16680	1932.50	322337	18645	360311	322337	-	
2	Cement concrete plain i/c placing compaction finishing and curing complete (i/c screning and washing of stone aggregate) 1:2:4.	% Cft	1327.00	28918.18	383744	1327.00	28918.18	383744	1327.00	28918.18	383744	0	28918.18		1327	383735	-		
3	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge a) Full body Glazed tiles (ii) 600mmx 600 mm	P.Sft	9019.00	302.25	2725993	9019.00	302.25	2725993	9019.00	302.25	2725993	5010	302.25	1514380	14029	4240372	1514380	-	
4	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2)cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm	P.Sft	6607.00	302.25	1996966	6607.00	302.25	1996966	6607.00	302.25	1996966	4625	302.25	1397921	11232	3394887	1397921	-	
5	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy /Matt /Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick (1;2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	1124.66	202.70	227969	1124.66	202.70	227969	523.88	202.70	106189		202.70	0	524	106189	-	121779	
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy /Matt /Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2)cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	3948.58	209.65	827820	3948.58	209.65	827820	3140.08	209.65	658318		209.65	0	3140	658318	-	169501	
7	ProvidingandlayingPrepolishedGraniteofspecifiedthicknessandshadeoffullwidthcfapprovedqualitylaidwithadhesivebondover3/4"thick(1:2)cementsandmortorbed,completeinallrespectasapproved and directed by the Engineer Incharge. 3/4" tickh	P.Sft	840.00	841.40	706776	840.00	841.40	706776	840.00	841.40	706776		841.40	0	840	706776	-	-	
8	Carriage of stone agreegate distance from sakhi serwar to Mailsi	% Cft	1168.00	7522.00	87857	1168.00	7522.00	87857	1168.00	7522.00	87857		7522.00	0	1168	87857	-	-	
	Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4"thick pedding of (1:2) cement sand mortar /c the cost of matching sealer, cutting, grinding and complete polishing complete in all respects as approved and directed by the Engineer Incharge 3/4 inch (12 x24"/ 2"x36")	P.Sft										679	314.25	213297	679	213297	213297	-	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amount of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Providing and Laying Anti-microbialogical Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.	P.Sft										717	450.00	322629	717	322629	322629	-	
	Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation complete in all respects and as approved by the Engineer Incharge.	P.Sft										1523	1890.00	2879179	1523	2879179	2879179	-	
	Total				6995085			6994953			6703816			6649742		13353552	3234638	291279	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

DETAILED ESTIMATE FOR THE WORK REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI (TILE WORK).

M.R.S (1st January: 2022 to 30th June: 2022).

1 Dismantling glazed or encaustic tiles, etc.

	2.000 x	6.750 x	15.875		214	Sft
	1.000 x	7.500 x	7.375		55	
	1.000 x	7.500 x	6.000		45	
	2.000 x	20.875 x	15.875		663	
	2.000 x	7.750 x	5.500		85	
	1.000 x	7.750 x	8.000		62	
	1.000 x	24.000 x	30.000		720	
	3.000 x	24.000 x	1.000		72	
	4.000 x	24.000 x	0.500		48	
Entrance Hall	1.000 x	23.125 x	54.125		1252	Sft
Corridor (Lady Dr:)	1.000 x	77.000 x	7.250		558	
Ver: (Store Side)	1.000 x	42.375 x	7.375		313	
Corr: M.S Office	1.000 x	84.250 x	7.250		611	
Coor: Childern Dr.	1.000 x	142.500 x	7.750		1104	
waiting M.S side	1.000 x	19.625 x	15.875		312	
Waiting Lady Dr.	1.000 x	20.125 x	17.125		345	
Corr:From Entr: to	1.000 x	43.125 x	8.125		350	Sft
Cori: X-ray	1.000 x	30.875 x	8.125		251	
Vacinator Cori:	1.000 x	49.625 x	8.125		403	
Corridoor	1.000 x	54.125 x	10.875		589	
Visitors	1.000 x	20.875 x	16.625		347	
Operation Ther.	1.000 x	53.375 x	7.125		380	
Operation Ther.	1.000 x	20.500 x	20.125		413	
Nursing	1.000 x	10.616 x	20.125		214	
Skliber	1.000 x	16.250 x	7.750		126	
Sinks	1.000 x	16.250 x	9.625		156	
Delivery	1.000 x	15.125 x	20.125		304	
Waiting	1.000 x	15.125 x	11.625		176	
Antesia	1.000 x	16.250 x	11.625		189	
Surgon	1.000 x	16.250 x	11.625		189	
Recovy Room	1.000 x	7.500 x	11.625		87	
	1.000 x	6.750 x	11.625		78	
	1.000 x	34.625 x	7.875		273	
2 x		15.875 x	5.000		158.75	Sft
2 x		77.000 x	5.000		770.00	
2 x		7.250 x	5.000		72.50	
2 x		42.375 x	5.000		423.75	
2 x		84.125 x	5.000		841.25	
2 x	2.000 x	15.875 x	5.000		317.50	
2 x		142.500 x	5.000		1425.00	
2 x		41.125 x	5.000		411.25	
2 x		30.875 x	5.000		308.75	
2 x		49.625 x	5.000		496.25	
2 x		54.125 x	5.000		541.25	
1 x		10.125 x	5.000		50.63	
2 x		60.250 x	5.000		602.50	
2 x(	20.875 +	16.625)x	5.000		375.00	
1 x		59.625 x	9.000		536.63	
1 x		20.500 x	11.625		238.31	
2 x		59.625 x	0.500		59.63	
2 x (	20.500 +	11.625)x	0.500		32.13	
				Total	18645	Sft
				@ 1932.50	% Sft Rs.	360,311 /-

2 Cement concrete plain i/c placing compaction finishing and curing complete (i/c screning and washing of stone aggregate) 1:2:4.

Entrance Hall	1.000 x	23.125 x	54.125 x	0.125	156	Sft
Corridor (Lady Dr:)	1.000 x	77.000 x	7.250 x	0.125	70	

Ver: (Store Side)	1.000 x	42.375 x	7.375 x	0.125	39	
Corr: M.S Office	1.000 x	84.250 x	7.250 x	0.125	76	
Coor: Childern Dr.	1.000 x	142.500 x	7.750 x	0.125	138	
waiting M.S side	1.000 x	19.625 x	15.875 x	0.125	39	
Waiting Lady Dr.	1.000 x	20.125 x	17.125 x	0.125	43	
Corr:From Entr: to	1.000 x	43.125 x	8.125 x	0.125	44	
Cori: X-ray	1.000 x	30.875 x	8.125 x	0.125	31	
Vacinator Cori:	1.000 x	49.625 x	8.125 x	0.125	50	
Corridoor	1.000 x	54.125 x	10.875 x	0.125	74	Sft
Visitors	1.000 x	20.875 x	16.625 x	0.125	43	
Operation Ther.	1.000 x	53.375 x	7.125 x	0.125	48	
Operation Ther.	1.000 x	20.500 x	20.125 x	0.125	52	
Nursing	1.000 x	10.616 x	20.125 x	0.125	27	
Skliber	1.000 x	16.250 x	7.750 x	0.125	16	
Sinks	1.000 x	16.250 x	9.625 x	0.125	20	
Delivery	1.000 x	15.125 x	20.125 x	0.125	38	
Waiting	1.000 x	15.125 x	11.625 x	0.125	22	
Antesia	1.000 x	16.250 x	11.625 x	0.125	24	
Surgon	1.000 x	16.250 x	11.625 x	0.125	24	
Recovy Room	1.000 x	7.500 x	11.625 x	0.125	11	
	1.000 x	6.750 x	11.625 x	0.125	10	
	1.000 x	34.625 x	7.875 x	0.125	34	
	2.000 x	6.750 x	15.875 x	0.125	27	
	1.000 x	7.500 x	7.375 x	0.125	7	
	1.000 x	7.500 x	6.000 x	0.125	6	
	2.000 x	20.875 x	15.875 x	0.125	83	
	2.000 x	7.750 x	5.500 x	0.125	11	
	1.000 x	7.750 x	8.000 x	0.125	8	
	1.000 x	20.000 x	20.000 x	0.125	50	
	1.000 x	3.000 x	24.000 x	0.125	9	
				Total	1327	Cft
				@ 28918.18	% Cft	Rs. 383,735 /-

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

Entrance Hall	1.000 x	23.125 x	54.125	1252	Sft
Corridor (Lady Dr:)	1.000 x	77.000 x	7.250	558	
Ver: (Store Side)	1.000 x	42.375 x	7.375	313	
Corr: M.S Office	1.000 x	84.250 x	7.250	611	
Coor: Childern Dr.	1.000 x	142.500 x	7.750	1104	
waiting M.S side	1.000 x	19.625 x	15.875	312	
Waiting Lady Dr.	1.000 x	20.125 x	17.125	345	
Corr:From Entr: to	1.000 x	43.125 x	8.125	350	Sft
Cori: X-ray	1.000 x	30.875 x	8.125	251	
Vacinator Cori:	1.000 x	49.625 x	8.125	403	
Corridoor	1.000 x	54.125 x	10.875	589	
Visitors	1.000 x	20.875 x	16.625	347	
Operation Ther.	1.000 x	53.375 x	7.125	380	
Operation Ther.	1.000 x	20.500 x	20.125	413	
Nursing	1.000 x	10.616 x	20.125	214	
Skliber	1.000 x	16.250 x	7.750	126	
Sinks	1.000 x	16.250 x	9.625	156	
Delivery	1.000 x	15.125 x	20.125	304	
Waiting	1.000 x	15.125 x	11.625	176	
Antesia	1.000 x	16.250 x	11.625	189	
Surgon	1.000 x	16.250 x	11.625	189	
Recovy Room	1.000 x	7.500 x	11.625	87	
	1.000 x	6.750 x	11.625	78	
	1.000 x	34.625 x	7.875	273	
	1.000 x	15.830 x	15.875	251	
	1.000 x	15.875 x	11.625	185	

1.000 x	15.875 x	11.625		185	
1.000 x	12.000 x	15.875		191	
1.000 x	12.000 x	15.875		191	
1.000 x	20.500 x	15.875		325	
1.000 x	12.000 x	15.875		191	
1.000 x	7.750 x	9.750		76	
1.000 x	16.250 x	24.375		396	
1.000 x	7.750 x	9.000		70	
2.000 x	7.750 x	9.000		140	
1.000 x	23.125 x	54.125		1252	
1.000 x	77.625 x	7.375		572	
1.000 x	28.875 x	7.375		213	
1.000 x	59.625 x	9.000		537	
1.000 x	20.500 x	11.625		238	
			Total	14029	Sft
				@ 302.25	% Sft Rs. 4,240,372 /-

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

2 x		15.875 x	5.000		158.75	Sft
2 x		77.000 x	5.000		770.00	
2 x		7.250 x	5.000		72.50	
2 x		42.375 x	5.000		423.75	
2 x		84.125 x	5.000		841.25	
2 x	2.000 x	15.875 x	5.000		317.50	
2 x		142.500 x	5.000		1425.00	
2 x		41.125 x	5.000		411.25	
2 x		30.875 x	5.000		308.75	
2 x		49.625 x	5.000		496.25	
2 x		54.125 x	5.000		541.25	
1 x		10.125 x	5.000		50.63	
2 x		60.250 x	5.000		602.50	
2 x(	20.875 +	16.625)x	5.000		375.00	
1 x	2.000 x(	15.830 +	15.875)x	5.000	317.05	
1 x	2.000 x(	15.875 +	11.625)x	5.000	275.00	
1 x	2.000 x(	15.875 +	11.625)x	5.000	275.00	
1 x	2.000 x(	12.000 +	15.875)x	5.000	278.75	
1 x	2.000 x(	12.000 +	15.625)x	5.000	276.25	
1 x	2.000 x(	12.000 +	15.875)x	5.000	278.75	
1 x	2.000 x(	7.750 +	9.750)x	5.000	175.00	
1 x	2.000 x(	16.250 +	24.375)x	5.000	406.25	
1 x	2.000 x(	7.500 +	9.000)x	5.000	165.00	
2 x		77.625 x	5.000		776.25	
1 x		7.375 x	5.000		36.88	
1 x		28.875 x	5.000		144.38	
1 x		28.875 x	5.000		144.38	
2 x		15.875 x	5.000		158.75	
1 x	2.000 x(	20.500 +	11.625)x	5.000	321.25	
2 x		59.625 x	5.000		596.25	
				Total	**11419.55**	Sft
D/d	15.000 x	2.500 x	5.000		188	Sft
				Total	**188**	**Sft**
				Net	**11232**	**Sft**
				@ 302.25	P. Sft Rs.	3,394,887 /-

5 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy /Matt /Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick (1;2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

2.000 x	6.750 x	15.875	214	Sft
1.000 x	7.500 x	7.375	55	

1.000 x	7.500 x	6.000			45	
2.000 x	7.750 x	5.500			85	
2.000 x	7.750 x	8.000			124	
				Total	**523.88**	Sft

@ 202.70 P. Sft Rs. 106,189 /-

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

2 x	2.000 x(	6.750 +	15.875)x	7.0	634	Sft
2 x	2.000 x	2.000 x	7.000		56	
2 x	1.000 x	6.750 x	7.000		95	
1 x	2.000 x(	7.500 +	7.375)x	7.0	208	
1 x	2.000 x(	7.500 +	6.000)x	7.0	189	
2 x	1.000 x	2.000 x	20.875 x	7.0	585	
2 x	4.000 x	2.000 x	5.000 x	7.0	560	
2 x	2.000 x(	7.750 +	5.583)x	7.0	373	
2 x	2.000 x(	7.750 +	8.000)x	7.0	441	
				Total	**3140.08**	Sft

@ 209.65 P. Sft Rs. 658,318 /-

7 ProvidingandlayingPrepolishedGraniteofspecifiedthicknessandshadeoffullwidthofapprove dqualitylaidwithadhesivebondover3/4"thick(1:2)cementsandmortorbed,completeinallrespe ctasapproved and directed by the Engineer Incharge. 3/4" tickh

1.000 x	24.000 x	30.000		720	Sft
3.000 x	24.000 x	1.000		72	
4.000 x	24.000 x	0.500		48	
2.000 x	18.500 x	1.000		37	Sft
2.000 x	18.500 x	0.500		19	
1.000 x	18.500 x	14.000		259	
			Total	**840.00**	Sft

@ 841.40 P. Sft Rs. 706,776 /-

8 Carriage of stone agreegate distance from sakhi serwar to Mailsi

PCC	1327 x	0.880		1168.00	Cft.
			Total	**1168.00**	Cft.

@ Rs: 7522.00 % Sft Rs. 87857

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

1.000 x	25.000 x	6.000 x	1.125		169	Sft
1.000 x	25.000 x	6.000	0.500		75	
1.000 x	23.000 x	4.500			104	
1.000 x	23.000 x	0.500			12	
1.000 x	25.000 x	2.000			50	
1.000 x	25.000 x	5.000	1.125		141	
1.000 x	25.000 x	5.000	0.500		63	
1.000 x	13.375 x	4.500			60	
1.000 x	13.375 x	0.500			7	
				Total	**678.75**	Sft

@ 314.25 P. Sft Rs. 213,297 /-

10 Providing and Laying Anti-microbialogical Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

	1.000 x	20.500 x	20.125	413	Sft
	1.000 x	15.125 x	20.125	304	
			Total	**716.95**	Sft

@ 450.00 P. Sft Rs. 322,629 /-

11 Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation complete in all respects and as approved by the Engineer Incharge.

	1 x	2.000 x(	20.500 +	20.125)x	10.5	853
	1 x	2.000 x(	15.125 +	20.125)x	10.5	740
D/d		-2.000 x	5.000 x	7.000		-70
					Total	**1523.38** Sft

@ 1890.00 P. Sft Rs. 2,879,179 /-

Total Rs. 13,353,552 /-

SIE

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of internal external wall surfaces

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Petty repair to main room	Each	28.00	896.95	25115	28.00	896.95	25115	28.00	896.95	25115		896.95	0	28	25115	-	-	
2	Petty repair to small room	Each	25.00	448.40	11210	25.00	448.40	11210	25.00	448.40	11210		448.40	0	25	11210	-		
3	Petty repair to verandha	Each	16.00	856.70	13707	16.00	856.70	13707	16.00	856.70	13707		856.70	0	16	13707	-	-	
4	Emulsion Paint one coat on old surface	% Sft	21199.36	1010.75	214272	21199.36	1010.75	214272	21199.36	1010.75	214272		1010.75	0	21199	214272	-	-	
5	Emulsion Paint tow coat on old surface	% Sft	59861.49	1781.95	1066702	59861.49	1781.95	1066702	59861.49	1781.95	1066702		1781.95	0	59861	1066702	-	-	
7	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:.	% Sft	18858.00	1723.15	324952	18858.00	1723.15	324952	18858.00	1723.15	324952		1723.15	0	18858	324952	-	-	
8	Painting to doors and windows two coat on old surface after scraping old paint	% Sft	5278.00	1382.45	72966	5278.00	1382.45	72966	5278.00	1382.45	72966		1382.45	0	5278	72966	-	-	
	Providing and fixing 2 mm thick Double glazed aluminium windows of anodized bronze colour partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	P.Sft	2913.50	1336.10	3892727	2913.50	1336.10	3892727	2318.50	606.50	1406170		606.50	0	2319	1406170	-	2486557	
	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 40mm× 100mm and leaf frame of 60mm× 40mm wide sections i/c the cost of 1/4"thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging using approved standard fittings lock 3" wide long handles etc and hardware any required as approved by the Engineer Incharge	P.Sft	556.75	716.50	398911	556.75	716.50	398911	719.00	716.50	515164		716.50	0	719	515164	116252	-	
	Providing and fixing M.S. grill fabricated with M.S Square polished Vertical/horizontal Bars of specified size @ 4" c/c passed through approved holes in M.S Patti of 1"x1/4"x1/8" c/w the cost of 1- M/s M.S Patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 3/8"	P.Sft	3224.00	649.05	2093313	3224.00	649.05	2093313	2629.00	648.05	1703723		648.05	0	2629	1703723	-	389590	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Providing and Fixing Vinyle Sheets wall Panelling of approved Colour / Shade i/c cost of Nails / Screws i/c "U" at top & bottom & other fixing material & labour charges etc complete in all respect as approved by the Engineer Incharge.	P Sft	13061.13	116.00	1515091	13061.13	116.00	1515091		116.00	0		116.00	0	0	0	-	1515091	
	Total				**9624966**			**9624966**			**5353981**					**5353981**	**116252**	**2872147**	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Improvement of internal external wall surfaces

MRS, 2nd BI-ANNUAL-2022 (1st January -2022 to 30 June 2022)

1	Petty repair to main room									
		1	x	28		=	28	No.		
					Total	=	**28**	**No.**		
					@Rs:		Each		896.95	25,115
2	Petty repair to small room									
		1	x	25		=	25	No.		
					Total	=	**25**	**No.**		
					@Rs:		Each		448.40	11,210
3	Petty repair to verandha									
		1	x	16		=	16	No.		
					Total	=	**16**	**No.**		
					@Rs:		Each		856.70	13,707
4	Emulsion Paint one coat on old surface									
				Operation Block						
	Store	1	x	7-1/2	x	11-3/8	=	85	Sft	
	Toilet	1	x	7-2/3	x	8	=	61	Sft	
	Lavontary	1	x	24-1/2	x	20-1/8	=	493	Sft	
	Dark Room	1	x	7-3/8	x	9-2/3	=	71	Sft	
		1	x	7-3/8	x	11-1/2	=	85	Sft	
	X-Ray Room	1	x	16-3/4	x	250-1/8	=	4190	Sft	
	Store	1	x	1-5/8	x	11-3/8	=	18	Sft	
	Radiologist	1	x	20-1/2	x	11-5/8	=	238	Sft	
	Bath	2	x	7-3/4	x	5-5/8	=	87	Sft	
	Waiting	1	x	12	x	11-5/8	=	140	Sft	
	Recovery	1	x	7-5/8	x	11-5/8	=	89	Sft	
		1	x	6-3/4	x	11-5/8	=	78	Sft	
	Surgen Room	1	x	16-1/2	x	11-5/8	=	192	Sft	
	Bath	1	x	6-1/2	x	6-1/2	=	42	Sft	
	Anthesia	1	x	10-1/4	x	11-5/8	=	119	Sft	
	Nurse Room	1	x	10-44/53	x	20-1/8	=	218	Sft	
	Toilet	1	x	5	x	7	=	35	Sft	
	O.T	1	x	20-1/2	x	20-1/8	=	413	Sft	
	Stairup	1	x	16-1/4	x	9-5/8	=	156	Sft	
	Sinks	1	x	16-1/4	x	9-5/8	=	156	Sft	
	corridoor	1	x	51-1/2	x	7-3/8	=	380	Sft	
		1	x	41-1/2	x	7-3/8	=	306	Sft	
	Passage	1	x	70	x	7-3/8	=	516	Sft	
				Patient Block						
	General Store	1	x	15-7/8	x	15	=	238	Sft	
	Linen Store	1	x	15-7/8	x	12	=	191	Sft	
	Mediine Store	1	x	15-7/8	x	11-7/8	=	189	Sft	
	Bath	1	x	7-2/3	x	7-7/8	=	60	Sft	
	Medical Support	1	x	13-1/3	x	15-7/8	=	212	Sft	
	Office	1	x	16-1/4	x	15-7/8	=	258	Sft	
	Treatment	1	x	11-1/8	x	15-7/8	=	177	Sft	
	Centeal Ward	1	x	7-3/4	x	5-7/8	=	46	Sft	
	Dentel Surgen	1	x	12	x	15-7/8	=	191	Sft	
	Toilet	1	x	7-2/3	x	6	=	46	Sft	
	Exam	1	x	7-2/3	x	9-1/2	=	73	Sft	
	Medical Officer	1	x	18-1/2	x	15-1/2	=	287	Sft	
	Exam	1	x	7-1/2	x	9-1/2	=	71	Sft	
	Toilet	1	x	7-1/2	x	5	=	38	Sft	
	Waiting	1	x	19-5/8	x	15-1/2	=	304	Sft	
	Minor Operation	1	x	12	x	15-7/8	=	191	Sft	
	Plaster	1	x	7-3/4	x	7-2/3	=	59	Sft	
	Store	1	x	7-3/4	x	6-3/4	=	52	Sft	
	Emergency	1	x	12-1/2	x	15-7/8	=	198	Sft	
	Laventory	1	x	7-29/50	x	15-7/8	=	120	Sft	
	Toilet	3	x	5	x	3-1/2	=	53	Sft	
	Ver	1	x	51-1/2	x	4-1/2	=	232	Sft	

	Ver		1	x	43-3/4	x	7-3/8			=	323	Sft				
	corridor		1	x	51-1/2	x	7-3/4			=	399	Sft				
	Store		1	x	15-7/8	x	15-7/8			=	252	Sft				
	Store		1	x	15-7/8	x	11-5/8			=	185	Sft				
	Store		1	x	15-7/8	x	11-5/8			=	185	Sft				
	Dispensary		1	x	16-1/4	x	24-3/8			=	396	Sft				
	Treatment		1	x	12	x	15-3/8			=	185	Sft				
	L.H.V		1	x	12	x	15-3/8			=	185	Sft				
	Wating		1	x	20-1/2	x	15-7/8			=	325	Sft				
	Lady Doctor		1	x	12	x	15-7/8			=	191	Sft				
	Gan: Ward		1	x	6-3/4	x	15-7/8			=	107	Sft				
	W.C		3	x	3-1/2	x	5			=	53	Sft				
							Male Ward									
			2	x	65-1/8	x	19.5			=	2540	Sft				
	Nursing Station		1	x	9-3/4	x	10-1/2			=	102	Sft				
	Treatment		1	x	10-1/4	x	15-1/2			=	159	Sft				
	Pray		1	x	10-1/4	x	15-1/2			=	159	Sft				
	2-Bed		3	x	10-1/4	x	15-1/2			=	477	Sft				
			6	x	4	x	6-1/2			=	156	Sft				
	Day-Room		1	x	20-7/8	x	15-7/8			=	331	Sft				
	Verandah		1	x	19-1/2	x	9-7/8			=	193	Sft				
	Verandah		2	x	64-1/2	x	9			=	1161	Sft				
	Sotre		1	x	10	x	6			=	60	Sft				
	Lavantary Block		1	x	20-7/8	x	15-7/8			=	331	Sft				
	Bath		3	x	3-1/2	x	5			=	53	Sft				
	Bath		2	x	4-11/12	x	5			=	49	Sft				
							Operation Thertor									
	Delivery Room		1	x	15-1/4	x	20-1/8			=	307	Sft				
	Lav		1	x	15-1/4	x	10-5/8			=	162	Sft				
	General Ward		1	x	15-7/8	x	15			=	238	Sft				
	Post		1	x	20-1/4	x	20-5/8			=	418	Sft				
	Annak		1	x	4-3/4	x	14-1/8			=	67	Sft				
									Total	=	**21199**	**Sft**				
									@Rs:		%Sft		1010.75		214,272	
4	Emulsion Paint tow coat on old surface															
							Operation Block									
	Store	1	x	2	x(	7-1/2	+	11-3/8	)x	11.5	=	434	Sft			
	Toilet	1	x	2	x(	7-2/3	+	8	)x	11.5	=	360	Sft			
	Lavontary	1	x	2	x(	24-1/2	+	20-1/8	)x	11.5	=	1026	Sft			
	Dark Room	1	x	2	x(	7-3/8	+	9-2/3	)x	11.5	=	392	Sft			
		1	x	2	x(	7-3/8	+	11-1/2	)x	11.5	=	434	Sft			
	X-Ray Room	1	x	2	x(	16-3/4	+	250-1/8	)x	11.5	=	6138	Sft			
	Store	1	x	2	x(	1-5/8	+	11-3/8	)x	11.5	=	299	Sft			
	Radiologist	1	x	2	x(	20-1/2	+	11-5/8	)x	11.5	=	739	Sft			
	Bath	2	x	2	x(	7-3/4	+	5-5/8	)x	11.5	=	615	Sft			
	Waiting	1	x	2	x(	12	+	11-5/8	)x	11.5	=	543	Sft			
	Recovery	1	x	2	x(	7-5/8	+	11-5/8	)x	11.5	=	443	Sft			
		1	x	2	x(	6-3/4	+	11-5/8	)x	11.5	=	423	Sft			
	Surgen Room	1	x	2	x(	16-1/2	+	11-5/8	)x	11.5	=	647	Sft			
	Bath	1	x	2	x(	6-1/2	+	6-1/2	)x	11.5	=	299	Sft			
	Anthesia	1	x	2	x(	10-1/4	+	11-5/8	)x	11.5	=	503	Sft			
	Nurse Room	1	x	2	x(	10-44/53	+	20-1/8	)x	11.5	=	712	Sft			
	Toilet	1	x	2	x(	5	+	7	)x	11.5	=	276	Sft			
	O.T	1	x	2	x(	20-1/2	+	20-1/8	)x	11.5	=	934	Sft			
	Stairup	1	x	2	x(	16-1/4	+	9-5/8	)x	11.5	=	595	Sft			
	Sinks	1	x	2	x(	16-1/4	+	9-5/8	)x	11.5	=	595	Sft			
	corridoor	1	x	2	x(	51-1/2	+	7-3/8	)x	11.5	=	1354	Sft			
		1	x	2	x(	41-1/2	+	7-3/8	)x	11.5	=	1124	Sft			
	Passage	1	x	2	x(	70	+	7-3/8	)x	11.5	=	1780	Sft			
							Patient Block									
	General Store	1	x	2	x(	15-7/8	+	15	)x	11.5	=	710	Sft			
	Linen Store	1	x	2	x(	15-7/8	+	12	)x	11.5	=	641	Sft			
	Medline Store	1	x	2	x(	15-7/8	+	11-7/8	)x	11.5	=	638	Sft			
	Bath	1	x	2	x(	7-2/3	+	7-7/8	)x	11.5	=	358	Sft			
	Medical Support	1	x	2	x(	13-1/3	+	15-7/8	)x	11.5	=	672	Sft			
	Office	1	x	2	x(	16-1/4	+	15-7/8	)x	11.5	=	739	Sft			

Improvement of Ceilings

M.R.S (1st January : 2022 to 30th June 2022).

1 Providingandfixingfalseceilingcomprisesof Gypsumboardlaminatedsheetofsize2'x2'/2'x3'/3' x3'ofspecifieddesignandthicknessi/ccostoffixturesi.egalvanizedangle1"x1"atwallsides,galv anizedtee1¼"x1"and1½"x1"bothat4'c/c(madeofTaiwanCKMorequivalent),hangingwithG.I/ Copperwire16SWG,G.Ihook,RawalPlugetc:complete in all respects as approved and directed by the Engineer Incharge. 12mm thick

Entr: Hall	1.000 x	23.125 x	51.125	1182 Sft
M.S Room	1.000 x	98.500 x	7.500	739
M.S Room	1.000 x	12.000 x	15.375	185
Waiting	1.000 x	19.625 x	15.875	312
Minor Operation	1.000 x	12.000 x	15.875	191
Plasering	1.000 x	7.750 x	7.750	60
Emergency	1.000 x	12.000 x	15.875	191
(M/Admin(Corrid:	1.000 x	185.000 x	7.875	1457
Dental (Cooridor0	1.000 x	26.625 x	7.875	210
Eye Ward	1.000 x	139.625 x	7.875	1100
Wash (Passage	1.000 x	132.625 x	7.875	1044
Childer (Cooridor)	1.000 x	42.000 x	7.875	331
Vacinator cooridor)	1.000 x	52.250 x	7.875	411
Vacinator cooridor)	1.000 x	60.500 x	7.875	476
	1.000 x	15.830 x	15.875	251
	1.000 x	15.875 x	11.625	185
	1.000 x	15.875 x	11.625	185
	1.000 x	12.000 x	15.875	191
	1.000 x	12.000 x	15.875	191
	1.000 x	20.500 x	15.875	325
	1.000 x	12.000 x	15.875	191
	1.000 x	7.750 x	9.750	76
	1.000 x	16.250 x	24.375	396
	1.000 x	7.750 x	9.000	70
	2.000 x	20.500 x	20.125	825
	1.000 x	15.125 x	20.125	304
	2.000 x	16.250 x	11.625	378
	1.000 x	54.250 x	45.000	2441
	1.000 x	10.750 x	15.500	167

Total 14061 Sft

@ 89.35 P.Sft Rs. 1,256,372 /-

Total Rs. 1,256,372 /-

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Electrictric work

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 20 mm i/d	P.Rft	4000.00	69.40	277600	4000.00	69.40	277600	4000.00	69.40	277600		69.40	0	4000	277600	-	-	
	–do– 1" dia.	P.Rft	2000.00	80.45	160900	2000.00	80.45	160900	2000.00	80.45	160900		80.45	0	2000	160900	-	-	
	S/E of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit/ G.I. pipe/ wooden strip battan/wooden casing and caping/G.I. wire/trenches (Rates for cable only)250/440 volts. i) 3/0.029"	P.Rft	13800.00	20.95	289110	13800.00	20.95	289110	13800.00	20.95	289110	6200	20.95	129890	20000	419000	129890	-	
	–do– 7/0.029".	P.Rft	4000.00	33.00	132000	4000.00	33.00	132000	4000.00	33.00	132000	4000	33.00	132000	8000	264000	132000	-	
	–do– 7/0.036".									43.50	0	2000	43.50	87000	2000	87000			
	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 gange Small)	Each	1050.00	128.70	135135	1050.00	128.70	135135	1050.00	128.70	135135		128.70	0	1050	135135	-	-	
	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 gange Small)	Each	240.00	343.80	82512	240.00	343.80	82512	120.00	343.80	41256		343.80	0	120	41256	-	41256	
	–do– six Gange Large	Each	60.00	1259.40	75564	60.00	1259.40	75564	60.00	1259.40	75564	20	1259.40	25188	80	100752	25188	-	
	Three pin Light Plug 10/13 Amp											55	503.40	27687	55	27687	27687	-	
	Telephone / TV/Datacable socket											55	449.40	24717	55	24717	24717	-	
	bell push											10	449.40	4494	10	4494	4494	-	
	Three Pin Power Plug 15-32 Amp											40	673.80	26952	40	26952	26952	-	
	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Small											80	158.70	12696	80	12696	12696	-	
	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Small											185	137.10	25364	185	25364	25364	-	
	S/S of button holder bake lelarge size.	Each	75.00	87.15	6536	75.00	87.15	6536	75.00	87.15	6536		87.15	0	75	6536	-	-	

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amount of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Providing and fixing cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 3 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.											1050	845.80	888090	1050	888090	888090	-	
	S/E of SMD false celing light 8" 12 Watts etc complete in all respect and as approved by the Engineer incharge											270	1350.00	364500	270	364500	364500	-	
	S/E of false celing fan 2'x2 etc complete in all respect and as approved by the Engineer incharge											20	13800.00	276000	20	276000	276000	-	
	S/E of false celing light 2'x2 etc complete in all respect and as approved by the Engineer incharge											100	12800.00	1280000	100	1280000	1280000	-	
	Providing and fixing Copper winded Exhaust fan with louver and shutter made of P ak/Younas /G.F.C. i/c the cos t of neces s ary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer incharge.(b) Plastic body (i) 12" sweep											10	2201.85	22019	10	22019	22019	-	
	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 (Fan Dimmer) One Gange	Each	80.00	449.80	35984	80.00	449.80	35984		449.80	0		449.80	0	0	0	-	35984	
	Total				1195341			1195341			1118101			3326596		4444697	3239596	77240	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

2ND AMMENDED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR

Electrictric work

M.R.S (1st January 2022 to 30th June: 2022).

1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 20 mm i/d	4000 Rft @ 69.40	P.Rft	Rs.	277,600	/-
ii.	--do-- 1" dia.	2000 Rft @ 80.45	P.Rft	Rs.	160,900	/-
2	S/E of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit/ G.I. pipe/ wooden strip battan/wooden casing and caping/G.I. wire/trenches (Rates for cable only)250/440 volts. i) 3/0.029"	20000 Rft @ 20.95	P.Rft	Rs.	419,000	/-
ii.	--do-- 7/0.029".	8000 Rft @ 33.00	P.Rft	Rs.	264,000	/-
ii.	--do-- 7/0.036".	2000 Rft @ 43.50	P.Rft	Rs.	87,000	/-
3	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- a) PVC insulated, PVC sheathed twin core, 250/440 volts. v) 7/1.12 mm (7/0.044") (Twin core)	1050 Rft @ 128.70	P.Rft	Rs.	135,135	/-
4	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 gange Small)**	120 No. @ 343.80	Each.	Rs.	41,256	/-
ii.	--do-- **six Gange Large**	80 No. @ 1259.40	Each.	Rs.	100,752	/-
ii.	Three pin Light Plug 10/13 Amp	55 No. @ 503.40	Each.	Rs.	27,687	/-
ii.	Telephone / TV/Datacable socket	55 No. @ 449.40	Each.	Rs.	24,717	/-
ii.	bell push	10 No. @ 449.40	Each.	Rs.	4,494	/-
ii.	Three Pin Power Plug 15-32 Amp	40 No. @ 673.80	Each.	Rs.	26,952	/-

ii.	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Small					
		80	No.			
	@ 158.70		Each.	Rs.	12,696	/-
ii.	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Small					
		185	No.			
	@ 137.10		Each.	Rs.	25,364	/-
5	S/E of button holder bakelite larze size.					
		75	No.			
	@ 87.15		Each.	Rs.	6,536	/-
5	Providing and fixing cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 3 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.					
		1050	No.			
	@ 845.80		Each.	Rs.	888,090	/-
5	S/E of SMD false celing light 8" 12 Watts etc complete in all respect and as approved by the Engineer incharge					
		270	No.			
	@ 1350.00		Each.	Rs.	364,500	/-
5	S/E of false celing fan 2'x2 etc complete in all respect and as approved by the Engineer incharge					
		20	No.			
	@ 13800.00		Each.	Rs.	276,000	/-
5	S/E of false celing light 2'x2 etc complete in all respect and as approved by the Engineer incharge					
		100	No.			
	@ 12800.00		Each.	Rs.	1,280,000	/-
5	Providing and fixing Copper winded Exhaust fan with louver and shutter made of P ak/Younas /G.F.C. i/c the cos t of neces s ary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.(b) Plastic body (i) 12" sweep					
		10	No.			
	@ 2201.85		Each.	Rs.	22,019	/-
	Total				**4,444,697**	

Sub Divisional Officer
Buildings Sub Division
MALIR

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

Miscellaneous repairs works of building (Enterenc Hall)

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amount of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)		Excess (17-9)	Saving (9-17)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Pacca brick work in G.F in cement sand mortar 1:6.	% Cft	225.00	23112.15	52002	225.00	23112.15	52002	225.00	23112.15	52002		69.40	0	225	52002	-	-	
2	Cement plaster 1:5 above 20'height 1/2" thick.	% Sft	600.00	2488.80	14933	600.00	2488.80	14933	600.00	2488.80	14933		80.45	0	600	14933	-	-	
	Total				66935			66935			66935					66935	0	0	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Miscellaneous repairs works of building (Enterenc Hall)

M.R.S (1st January 2022 to 30th June: 2022).

1 Pacca brick work in G.F in cement sand mortar 1:6.

	4 x	7.500 x	0.750 x	10.000	225 Cft.
Total					225 Cft.
	@ 23112.15 %Cft.				Rs. 52,002 /-

2 Cement plaster 1:5 above 20'height 1/2" thick.

	4 x	2.000 x	7.500 x	10.000	600
Total					600 Sft.
	@ 2488.80 % Sft.				Rs. 14,933 /-
	G. Total				Rs. **66,935** /-

Sub Divisional Officer
Buildings Sub Division
MALIR

S.E

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Revamping of T.H.Q HOSPITAL MAILSI
Provision/Installation of Electrical Equipment.

S.#	Description			Qty:	Unit	Rate	Amount
A	**L.T. (LV) SUB-STATION EQUIPMENT:**						
1.00	Supply, installation, testing, commissioning of **MAIN SWITCH BOARD-400A (with SPD IP-64)** with Incoming From 200KVA Transformer Indication Lamp, Insturement Protection Fuse, including 400A Main copper bus bar Suitable For Each Phase/Neturat & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make of 14 SWG miled steel sheet fabricated, Outdoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu. etc. shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C and shall be of one make only and not to be mixture.			1			
	MAIN SWITCH BOARD-400A (with SPD IP-64)					157171	
	Incoming from 200KVA Transformer						
	1 400A TP MCCB 36KA	Terasaki/Schneider	01 No.			102,437.80	
	2 Surge Protective Device (SPD) 4P 40KA (800-1250 Amp(70 KA) for rate only)	Phoenix/Iskra	01 No.			163,037.80	
	3 Digital Volt Meter 0~600V	Entes/Schneider	01 No.				
	4 Volt Selector Switch	GGT/Camsco	01 No.				
	5 Digital Ampere Meter 0~600A	Entes/Schneider	01 No.				
	6 Ampere Selector Switch	GGT/Camsco	01 No.				
	7 Current Transformer 600/5A	Fico/Metelx	03 Nos.				
	8 Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.				
	9 6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.				
	10 400A Copper Bus Bar		01 Job.				
2	Room for all MSBs. Main panels & ATS panels should be built as per requirement.						
3	Providing and fixing screwless cable tray cover fabricated with 18 SWG G I. Sheet of required size i/c the cost of hardware as approved and directed by the Engineer Incharge			450	rft	123.6	55,620
4.00	Supply, installation, testing, commissioning of **MAIN LT & WAPDA CHANGE OVER PANEL-1 400A** with Incoming From 200 kVA Transformer, ON-OFF Indication Lamp, Insturement Protection Fuse, including 400A Main copper bus bar Suitable For Each Phase/Neturat & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement. door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C and shall be of one make only and not to be mixture.			1			
	MAIN LT & WAPDA CHANGE OVER PANEL-1 400A					157171	
	MAIN LT & WAPDA CHANGE OVER PANEL						
	1 400A 4P Automatic & Manual Transfer Switch	LKE/EQV	01 No.			1,509,448.37	
	2 Digital Volt Meter 0~600V	Entes/Camsco	02 No.				
	3 Volt Selector Switch	GGT/Camsco	02 No.				
	4 Digital Ampere Meter 0~1000A	Entes/Camscor	01 No.				
	5 Ampere Selector Switch	GGT/Camsco	01 No.				
	6 Current Transformer 1000/5A	Fico/Metelx	03 Nos.				
	7 Auxiliary Relay 8-Pin (for automatic operation)	Iskra/Finder	02 Nos.				
	8 Timer with Base (for time delay operation)	FotekEqv.	02 Nos				
	9 Auto Manual Switch (for Byoass module)	GGT/Camsco	01 No.				
	10 Push Button ON/OFF	Himel/Schneider	04 Nos.				
	11 Indication Lamp. (R+Y+B+ON+OFF) 220VAC	Schneider/Himel	10 Nos.				
	12 6A Control MCB for Instrument Protection.	Terasaki/Legrand/Eqv	01 No.				
	13 Electrically Interlocking systems		01 Job.				
	OUTGOING						
	1 300A TP MCCB 25KA	Terasaki/Schneider	04 Nos.			409751	
	2 160A TP MCCB 25KA	Terasaki/Schneider	04 Nos.			192071.2	
						2,268,448.37	2,268,448.37
5.00	Supply, installation, testing, commissioning of **150KVAR POWER FACTOR IMPROVEMENT PLANT** with 4-step 12.5Kvar, 8-step 25Kvar Coupling arrangement of L.T. PANEL, Power Capacitors, Magnatic Contactor 220VAC,125A HRC Fuse, 6-Step PFI Controller, ON-OFF Indication Lamp, ON/OFF Push Button, Auxiliary Contactor 4NO+4NC, Auto Manual Switch, Insturement Protection Fuse, including 800A Main copper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 12/14 SWG miled steel sheet fabricated, Inddor Type, Floor Mounting, Insulation class 600VAC, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4 Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95 -100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above Component Make Togami/Schenider/Mitsubishi/Hatachi/ABB, Capacitor Entes, Iskar,Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. and shall be of one make only and not to be mixture (PLANT COUPLE WITH MAIN PANEL.)			1		433,373.51	
	150KVR PFI PLANT						
	1 Power Capacitor 12.5KVAR	Iskara/Entes/Enerlux/ZEZ/Amber/	04 Nos.				
	2 Power Capacitor 25KVAR	Iskara/Entes/Enerlux/ZEZ/Amber/	08 Nos.				
	3 Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsubis/Hathi/	04 Nos.				
	4 Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsubis/Hathi/	08 No.				
	5 32o3A HRC Fuses with bases	Efen/Jenmuller/DF-Electric/Himel.	36 Nos.				
	6 Power Factor Controller 6-Steps	Entes/Inter/Mikro	01 No.				
	7 ON indication Lights	Himel/Schneider	08 Nos.				
	8 Push Button ON/OFF	Himel/Schneider	24 Nos.				
	9 CTs. 1000/5A	Fico/Metelx	01 No.				
	10 Auxiliary Contactor	Togami/Hatachi/Eqv.	03 Nos.				
	11 Control MCB S/P	Terasaki/Legrand/Eqv.	03 Nos.				
	12 Auto/Manual Switch.	GGT/Camsco/Eqv.	01 No.				
	13 Surge Suppressors		45 Nos				
	14 Exhaust Fan Cassettes.	Imported.	01 No.				
	15 Temperature Regulator 0~60C	Alfa Elec/Finder	01 No				433,373.51

S.#	Description			Qty:	Unit	Rate	Amount
6.00	Supply, installation, testing, commissioning of **PSMDB 300A (From MAIN LT & WAPDA CHANGE OVER PANEL-1)** with Incoming from **MAIN LT & WAPDA CHANGE OVER PANEL-1**, Indication Lamp, Insturement Protection Fuse, including 300A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture			1			
	PSMDB 300A					157171.5	
	Incoming from MAIN LT & WAPDA CHANGE OVER PANEL-1						
	1 300A TP MCCB 36KA	Terasaki/Schneider	01 Nos.			102437.8	
	2 Digital Volt Meter 0~600V	Entes/Schneider	04 Nos.				
	3 Volt Selector Switch	GGT/Camsco	06 Nos.				
	4 ATS Module with Battery & Battery Charges 12/24VDC	DSE UK/Eqv.	02 Nos.				
	5 Miniature Auxiliary Relay 8-Pin	Finder/Iskra	08 Nos.				
	6 Phase Indication Lamps. (R+Y+B)	Schneider/Himel	12 Nos.				
	7 6A Control MCB for Instrument Protection.	Terasaki/Schneider	12 Nos.				
	OUTGOING						
	1 100A TP MCCB 25KA	Terasaki/Schneider	1			26837.8	
	2 63A TP MCCB 25KA	Terasaki/Schneider	9			241510.2	
	3 32A TP MCCB 25KA	Terasaki/Schneider	2			53675.6	
						581,662.90	581662.9
7	Supply, installation, testing, commissioning of **LSMDB 160A (From MAIN LT & WAPDA CHANGE OVER PANEL-1)** with Incoming From **MAIN LT & WAPDA CHANGE OVER PANEL-1**, Indication Lamp, Insturement Protection Fuse, including 160A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			1			
	Incoming from MAIN LT & WAPDA CHANGE OVER PANEL-1					149313.6	
	Incoming						
	1 160A TP MCCB 25KA	Terasaki/Schneider	01 No.			48017.8	
	2 Digital Volt Meter 0~600V	Entes/Schneider	01 No.				
	3 Volt Selector Switch	GGT/Camsco	01 No.				
	4 Digital Ampere Meter 0~600A	Entes/Schneider	01 No.				
	5 Ampere Selector Switch	GGT/Camsco	01 No.				
	6 Current Transformer 600/5A	Fico/Metelx	03 Nos.				
	7 Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.				
	8 6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.				
	OUTGOING						
	1 30A TP MCCB 25KA	Terasaki/Schneider	06 Nos.			101026.8	
						358358.2	358358.2
10.00	Supply, installation, testing, commissioning of **PDB-1,2,3,4,5,6 63A (From PSMDB)** with Incoming From PSMDB , Indication Lamp, Insturement Protection Fuse, including 63A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C and shall be of one make only and not to be mixture.						
	PDB-1,2,3,4,5,6 63A (From PSMDB)					62869	
	Incoming						
	1 63A TP MCCB 25KA	Terasaki/Schneider	01 No.			37218	
	2 Digital Volt Meter 0~600V	Entes/Schneider	01 No.				
	3 Volt Selector Switch	GGT/Camsco	01 No.				
	4 Digital Ampere Meter 0~200A	Entes/Schneider	01 No.				
	5 Ampere Selector Switch	GGT/Camsco	01 No				
	6 Current Transformer 200/5A	Fico/Metelx	03 Nos.				
	7 Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.				
	8 6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.				
	OUTGOING						
	1 32A TP MCCB 25KA	Terasaki/Schneider	02 Nos.			13476	
	2 20A TP MCCB 25KA	Terasaki/Schneider	02 Nos.			6737.8*2	
	3 10A TP MCCB 25KA	Terasaki/Schneider	03 Nos.			6737.8*3	
				6		113562	681371
11.00	Supply, installation, testing, commissioning of **LDB-1,2,3 30A (From LSMDB)** with Incoming From LSMDB, Indication Lamp, Insturement Protection Fuse, including 30A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C and shall be of one make only and not to be mixture.						
	LDB-1,2,3 30A (From LSMDB)					62869	
	Incoming						
	1 30A TP MCCB 25KA	Terasaki/Schneider	01 No.			37218	
	2 Digital Volt Meter 0~600V	Entes/Schneider	01 No.				
	3 Volt Selector Switch	GGT/Camsco	01 No.				
	4 Digital Ampere Meter 0~200A	Entes/Schneider	01 No.				
	5 Ampere Selector Switch	GGT/Camsco	01 No.				
	6 Current Transformer 200/5A	Fico/Metelx	03 Nos.				
	7 Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.				
	8 6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.				
	OUTGOING						
	1 20A TP MCCB 25KA	Terasaki/Schneider	01 Nos.			6738	
	2 10A TP MCCB 25KA	Terasaki/Schneider	03 Nos.			6737.8*3	
				3		106825	330171

S.#		Description			Qty:	Unit	Rate	Amount
B		**LT POWER CABLE.**						
		Supply at site, installation, testing and commissioning of PVC insulated PVC sheathed armoured copper conductor cable 600/1000V grade in preluid conduits/ trenches or on cable traysas as per routes and as per requirement discussed with site engineer, including supply and installation of all necessary fixing accessories, connections, identification tages, cables lugs properly crimped, at both ends all respect. Actual length of cables installed shall be measured for payment. Actual length of cables shall be measured at site by contractor before placing the order.						
	1	185mm sq, 4-Core, PVC/PVC non armored Cable	Pakistan/Newage/Pioneer etc.		150	rft	6989	1048350
	2	120mm sq, 4-Core, PVC/PVC non armored Cable.	Pakistan/Newage/Pioneer etc.		150	rft	4541.35	681202.5
	3	95mm sq, 4-Core, PVC/PVC non armored Cable.	Pakistan/Newage/Pioneer etc.		200	rft	3605.35	721070
	4	70mm sq, 4-Core, PVC/PVC Cable	Pakistan/Newage/Pioneer etc.		100	rft	2605.05	260505
	5	50mm sq, 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer etc.		150	rft	1823.35	273502.5
	6	25mm sq, 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer etc.		200	rft	995.35	199070
C		**EARTHING SYSTEM**						
		Supply, Installation, Drilling of earth bore 3" (75mm) dia 70 to 80-ft deep or up to permanent water table, back filling ramming, with G I pipe 50mm dia 14-SWG and tinned spike to be installed in premade bore all G.I pipe accessories like tees bends sockets etc G.I pipe shall be connected to tinned copper spike be installed at bottom of G.I pipe all nuts and bolts & earthing leads consisting of standard electrolytic copper conductor 70mm sq to be installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location, earth connecting points consisting of copper plate 300mm longx50mm widex12.5mm thick to be installed, Construction of man hole 450mmx450mm x600mm deep with 225mm thick wall with cement mortar internal plaster 1:4, RCC 100mm thick man hole cover lifting hooks and the following words written with paint on cover "Earting Pit", horizontal and vertical rising copper strip of size 25mm wide and 3mm thick as main circuit protective conductor. Terminating on earthing connection points and also fixed both sides for H.T/L.T/SMPB/DB Panel & Cable tray or in cable ladder as per detail site engineer.						
		a) Earthing system with Bores for body of transformer No. 1		1			8118.3	8118.3
		b) Earthing system with Bores for neutral of transformer No. 1		1			8118.3	8118.3
		d) Earthing system with Bores for MAIN L.T. PANEL/MAIN SWITCH BOARD/SUB MAIN PANEL BOARD & DISTRIBUTION BOARD.		10			8118.3	81183
D		**CIRCUIT PROTECTIVE CONDUCTOR (CPC)**						
		As per site requirement						
		1) 1 core 50mm sq:			100	rft	461.35	46135
		2) 1 core 10mm sq:			100	rft	161.35	16135
								8,466,342

Sub Divisional Officer
Buildings Sub Division

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

DETAILED ESTIMATE

GENERAL ABSTARCT

Sr. No.	Description	Amount of Work Done	Amount of Work Yet to be alloted	Total	Remarks
A	**External Development**				
1	Sewerage System	Rs. 236,160	Rs. -	236,160 /-	Detail attached
2	Water Supply	Rs. 98,142	Rs. 206,068	304,210 /-	Detail attached
	Total.	**Rs. 334,302**	**Rs. 206,068**	**540,370 /-**	

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Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amount of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total		Excess (17-9)	Saving (9-17)	
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	P/F C.P.bib cock ½" dia.				0							9.00	466.20	4196	9	4196	4196	-	
9	P/F C.P Swan neck cock single way				0							10	466.20	4662	10	4662	4662	-	
10	P/F C.P.tee stop cock ½" dia.				0							16.00	886.20	14179	16	14179	14179	-	
11	P/L of Plastic shelf 60x13 cm (24:x5") with bracket and railing				0							4.00	800.00	3200	4	3200	3200	-	
12	Providing and fixing Looking glass with plastic frame				0							4.00	1500.00	6000	4	6000	6000	-	
13	Providing and fixing Muslim shower				0							8.00	2161.55	17292	8	17292	17292	-	
14	Providing and fixing double bib cock				0							8.00	1681.55	13452	8	13452	13452	-	
15	Providing and fitting "P" trap:-				0							20.00	218.35	4367	20	4367	4367	-	
16	Providing and installing P.V.C. tees, of B.S.S.Class "D"				0							6.00	1355.65	8134	6	8134	8134	-	
	Total				98143			98143			98142			206068		304211	206068	0	

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REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

(EXTERNAL WATER SUPPLY).

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Difference		Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total		Excess (17-9)	Saving (9-17)	
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides levelling the beds of pits for joints, etc. complete in all respects.	%0Cft	2000.00	6204.00	12408	2000.00	6204.00	12408	2000.00	6204.00	12408		6204.00	0	2000	12408	-	-	
2	Providing, laying, testing and commissioning µ-PVC (Unplasticized Polyvinyl Chloride) Schedule pipe of nominal diameter, made (Dadex /Popular/ Beta/ BBJ) for water supply i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge. 1-1/2" dia	P.Rft	350.00	164.25	57488	350.00	164.25	57488	350.00	164.25	57488		164.25	0	350	57488	-	-	
3	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) i/c the cost of all accessories fianges,nut/bolt and gaskit where required complete in all respect as approved and directed by the Engineer Incharge.Flange Ended Ductile Iron Valve (ix) 4" dia	%Cft	3.00	9415.80	28247	3.00	9415.80	28247	3.00	9415.80	28247		9415.80	0	3	28247	-	-	
4	P/F glazed earthern ware water closet Orisa pattern combined with foot rest (Coloured).				0							6.00	2174.70	13048	6	13048	13048	-	
5	P/F glazed earthen Wash Hand Basin 22"x16" i/c bracket set waste pipe and waste coupling (Coloured) with pedestal.				0							8.00	3567.90	28543	8	28543	28543	-	
6	Providing and fitting one piece Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP / rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.				0							4.00	13915.80	55663	4	55663	55663	-	
7	Providing,fixing,testing and commissioning of µ-PVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular /Beta /BBJ plain /socket ended conforming to codeEN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.) 4" dia Type (SDR 32.5/SN-8)				0							115.00	246.50	28348	115	28348	28348	-	
	Providing,fixing,testing and commissioning of µ-PVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular /Beta /BBJ plain /socket ended conforming to codeEN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.) 2" dia Type (SDR 32.5/SN-8)				0							60.00	83.05	4983	60	4983	4983	-	

REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE FOR THE WORK" REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL MAILSI

(SEWERAGE SYSTEM).

Sr. No.	Description of Item's	Unit	As per Approved Rough Cost Estimate "A"			Amout of Work already alloted "B"			As per Revised Rough Estimate							Amount	Excess (17-9)	Saving (9-17)	Remarks
									Work Done/alltoted			Work yet to be alloted /additional scope			Total				
			Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty (10+13)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:- i) ordinary	%0Cft.	4500.00	6750.85	30379	4500.00	6750.85	30379	4500.00	6750.85	30379		6750.85	0	4500	30379	-	-	
2	Providing and laying R.C C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete ii) (9") i/d	P.Rft	450.00	436.70	196515	450.00	436.70	196515	450.00	436.70	196515		436.70	0	450	196515	-	-	
3	RE-handling of earth work lead upto singie throw kassi	%0Cft.	4500.00	2059.20	9266	4500.00	2059.20	9266	4500.00	2059.20	9266		2059.20	0	4500	9266	-	-	
4	Const: of Manhole size 6' depth	Each	9.00	34577.00	311193	9.00	34577.00	311193		26422.33	0		528447	0	0	0	-	311193	
	Total				**547353**			**547352**			**236160**			**0**		**236160**	**0**	**311193**	

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

2.	P/F glazed earthen Wash Hand Basin 22"x16" i/c bracket set waste pipe and waste coupling (Coloured) with pedestal.	8	3567.90	Each		28543
4.	Providing and fitting one piece Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP / rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	13915.80	Each		55663
(ii)	Providing,fixing,testing and commissioning of µ-PVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular /Beta /BBJ plain /socket ended conforming to codeEN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.) 4" dia Type (SDR 32.5/SN-8)	115	246.50	Each		28348
iii	Providing,fixing,testing and commissioning of µ-PVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular /Beta /BBJ plain /socket ended conforming to codeEN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.) 2" dia Type (SDR 32.5/SN-8)	60	83.05	Each		4983
6.	P/F C.P.bib cock ½" dia.	9	466.20	Each		4196
7.	P/F C.P Swan neck cock single way	10	466.20	Each		4662
8.	P/F C.P.tee stop cock ½" dia.	16	886.20	Each		14179
13.	P/L of Plastic shelf 60x13 cm (24:x5") with bracket and railing		4	800.00	Each	3200
14.	Providing and fixing Looking glass with plastic frame		4	1500.00	Each	6000
14.	Providing and fixing Muslim shower		8	2161.55	Each	17292
14.	Providing and fixing double bib cock		8	1681.55	Each	13452
13.	Providing and fitting "P" trap:-		20	218.35	Each	4367
13.	Providing and installing P.V.C. tees, of B.S.S.Class "D"		6	1355.55	Each	8133
	Work Yet to be done				**Total**	206067 /-
	G.Total				**Total**	540370 /-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mailsi

Executive Engineer
Buildings Division
Vehari.

Analysis of Rate for

P/F Vinyle panelling sheet 10"wide & 9.5' height of approved quality, color and shade etc complete in all respect and as approved by the Engineer incharge

Unit ..... P.Sft
Take for Analysis Purpose 10'x10'. = 100 Sft

1	Wall penelling i/c cost of border	=	100 Sft			
	Add 10% wastage	=	10 ,,			
		Total	**110 Sft**			
			@	76 P.Sft		8360
2	Cost of fixing material.	=	L.S.			1000
3	Carriage Charges form market to site of work.	=	L.S.			350
					Total	**9710**
	Add 20% Contractor's profit & OHC					1942
					Total	**11652**

Rate P.Sft 11652 /100 116.52

Say Rs: 116.00 P.Sft

CERTIFICATE

1 Certified that input rates of material and labour for the item at serial No. Nil are as per input rates displayed on web site of Finance Department for **1st Bi-Annual 2022**

2 Certified that rates for items at serial No. except all above are not available on the web site of Finance Department for **1st Bi-Annual 2022** and as such the rate of Rs:116/- has been applied after ascertaining it, form the market.

SIE

Sub Divisional Officer
Buildings Sub Division
MAILSI

Executive Engineer
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

Rate Analysis for

Providing and fixing UPVC Door 38-mm thickness i/c Deluex matching color UPVC frame matt or Glossy Finish having color(white Gray Marble Gray Oak Wood Dard Oak Wood Coffee Wood Honey Pine Wood Mahagony Marry Gold Chocolate Brown Honey Dew i/c all accessories i/c locks complete in all respect as approved by the Engineer Incharge

Unit = 2.2x6.75=16.875-Sft

1	***Cost of Material***						
a	UPVC Doors 38-mm						
		1	No	@	8000		8000.00
b	UPVC Doors frame						
		1	No	@	3200		3200.00
						Total	**11200.00**
	Cost of hardnares+lock						1375.00
						Total	**12575.00**
	20% Contractor Profit						2515.00
						Total-A	**15090.00**
2	***Labour***						
a	For Fixing						
	Carpenter	0.5	No	@	847		423.50
	Colly	0.5	No	@	757		378.50
						Total	**802.00**
	10% Sundries Charge						80.20
						Total	**882.20**
	20% Contractor Profit						176.44
						Total-B	**1058.64**
						Total-A+B	**16048.64**
						Rate P.Sft	951.03
						Say	**950**

Superintending Engineer
Building Circle Multan

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mailsi

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Rate Analysis For:-

Providing and Fixing False celing fans (80-Watts) 18" sweep Younis/ Pak/ GFC or equivalent complete in all respects as approved by the Engineer Incharge.

Take for Purpose ----------1x1 = 1No.
Unit ----------Each

1	Providing and Fixing False celing fans 18" sweep Younis/ Pak/ GFC or equivalent				
	1 x 1	=	**1 No.** @ 10800 Each		10800
2	Cost of Carriage Charges from Multan to Mailsi.	=	L.S		500
3	Labour charges for fixing in position including connection charges	=	L.S		200
				Total	**11500**
			Add 20% contractor profit & OHC		2300
				G.Total	**13800**

Say Rs. 13800 P.Each

1- Certified that input rates of material and labour for the item at serial No Nil are as per input rates displayed on web site of Finance Department for **1st Bi-Annual 2022**

2- Certified that rates for items at serial No all above - are not available on the web site of Finance Department for **1st Bi-Annual 2022** and as such the rate of Rs: 12800/-- has been applied after ascertaining it, form the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mailsi

Executive Engineer
Buildings Sub Division
Vehari

Superintending Engineer
Building Circle Multan

ANALYSIS OF RATE

S/E of SMD Ceiling Light round type best quality complete in all respect as approved by E.I (18 Watt)

Engineer Incharge

Unit of Rate ---------- Each

Material					
1	SMD LED 18-Light	=	1 No. @	1125 Each	1125
				Total Rs.	**1125**
		Add 20% contractor's profit + OHC			225
				G.Total Rs.	**1350**

Say Rs: 1350 Each

1 Certified that input rates of material and labour for the item at serial No. Nil are as per input rates/MRS displayed on web site of Finance Department for **1st Bi-Annual 2022**.

2 Certified that rates for items at serial No **except above** are not available on the web site of Finance Department for **1st Bi-Annual 2022** and as such the rate of Rs:1350/-Each has been applied after ascertaining it, form the market.

Sub Divisional Officer
Buildings Sub Division
MAILSI

Executive Engineer
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

Rate Analysis For:-

Providing and Fixing False Celing Fan (2'x2') Pak Made simple in false ceiling etc complete in all respects as approved by the Engineer Incharge.

Take for Purpose ----------1x1 = 1No.
Unit ----------Each

1	Supply of False celing Light (2'x2') Philips made 1 x 1	=	**1 No.** @ 10000 Each		10000
2	Cost of Carriage Charges from Multan to Vehari.	=	L.S		470
3	Labour charges for fixing in position including connection charges	=	L.S		200
				Total	**10670**
				Add 20% contractor profit & OHC	2134
				G.Total	**12804**

Say Rs. 12800 P.Each

1- Certified that input rates of material and labour for the item at serial No Nil are as per input rates displayed on web site of Finance Department for **1st Bi-Annual 2022**

2- Certified that rates for items at serial No all above - are not available on the web site of Finance Department for **1st Bi-Annual 2022** and as such the rate of Rs: 12800/-- has been applied after ascertaining it, form the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mailsi

Executive Engineer
Buildings Sub Division
Vehari

Superintending Engineer
Building Circle Multan

ANALYSIS OF RATE

S/E of SMD Ceiling Light round type best quality complete in all respect as approved by E.I(8 Watt)

Engineer Exchange

Unit of Rate ---------- Each

Material

1	SMD LED 08-Light	=	1 No. @	800 Each	800
				Total Rs.	**800**
	Add 20% contractor's profit + OHC				160
				G.Total Rs.	**960**

Say Rs: 960 Each

1 Certified that input rates of material and labour for the item at serial No. Nil are as per input rates/MRS displayed on web site of Finance Department for **1st Bi-Annual 2022**

2 Certified that rates for items at serial No **except above** are not available on the web site of Finance Department for **1st Bi-Annual 2022** and as such the rate of Rs:960/-Each has been applied after ascertaining it, form the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

Executive Engineer
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

"PRICE VARIATION"

Programme for Revamping of All THQ Hospital in Punjab one at THQ Mailsi District Vehari

Name of Contractor: M/s Al-Shan Const: Co, Govt. Contractor

Date of Tender:09.03.2022

		Work Done	Work yet to be done	Total
Sr. No.	**Description**	**Amount**	**Amount**	**Amount**
1	Cement	32083	345064	377148
2	Brick	0	269572	269572
3	Brick Tile	19712	6962	26674
4	Steel	0	120626	120626
5	M/S Tee angle etc	8062	33138	41200
7	Bitumen	49881	3831	53713
8	Labour	76696	1405538	1482234
9	Diesel	320690	1777521	2098211
	Total	**507124**	**3962254**	~~4469377~~ 4291000

507124/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
MAILSI

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Superintending Engineer
Building Circle Multan

Programme for Revamping of All THQ Hospital in Punjab one at THQ Mailsi District Vehari

Sr. No.	M.B No.	Page No.	Date of Entery	Description of Item's	Ratio	Quantity in M.B	Conversion Factor	Quantity of Material					
								Cement in Bag(%Cft)	Brick	Brick Tile	Deformed Bars	Heavy Fabrication	Bitumen
1	779/325	4	30-05-2022	single layer of tile		5306	0.50/360	26.53		19101.60			818
2	779/325	8	30-05-2022	Granite tile for flooring of size (24"x24"	1:3	859	1.32	18.55					
6	779/325	8	30-05-2022	Granite Tile (24"x24") for Skirting (1/2")	1:2	5944	1.25	128.39					
	Total							**173.47**		**19101.60**			
	Rate at the Time of Tender							**800.00**	**8000.00**	**7500.00**	**192284.00**		**136.61**
	Rate at the time of Consumption							**850.00**	**8000.00**	**7500.00**	**202284.00**		**154.29**
	%age of Difference							**6.25**	**0.00**	**0.00**	**5.20**		**12.94**
	Difference of Rate							**50.00**	**0.00**	**0.00**	**10000.00**		**17.68**
	Amount							**8674**	**0**	**0**	**0**		**2415**
1	779/325	12	21-06-2022	Granite tile for flooring of size (24"x24"	1:3	4480	1.32	96.77					
2	779/325	17	21-06-2022	single layer of tile		10159	0.50/360	50.80		36572.40			1567
	Total							**147.56**	**0.00**	**36572.40**	**0.00**		**1566.76**
	Rate at the Time of Tender							**800.00**	**8000.00**	**7500.00**	**192284.00**		**136.61**
	Rate at the time of Consumption							**860.00**	**9000.00**	**8000.00**	**203284.00**		**166.29**
	%age of Difference							**7.50**	**12.50**	**6.67**	**5.72**		**21.73**
	Difference of Rate							**60.00**	**1000.00**	**500.00**	**11000.00**		**29.68**
	Amount							**8854**	**0**	**18286**	**0**		**46501**
1	779/325	38	11-10-2022	Granite tile for flooring of size (24"x24"	1:3	1548	1.32	33.44					
2	779/325	38	11-10-2022	Granite Tile (24"x24") for Skirting (1/2")	1:2	1454	1.25	31.41					
3	779/325	46	11-10-2022	Fabrication of heavy steel work								0.278	
4	779/325	46	11-10-2022	single layer of tile		264	0.50/360	1.32		950.40			41
	Total							**66.16**		**950.40**	**0.00**	**0.28**	**40.72**
	Rate at the Time of Tender							**800.00**		**7500.00**	**192284.00**	**194284.00**	**136.61**
	Rate at the time of Consumption							**1020.00**		**9000.00**	**230284.00**	**223284.00**	**160.30**
	%age of Difference							27.50		20.00	19.76	14.93	17.34
	Difference of Rate							220.00		1500.00	38000.00	29000.00	23.69
	Amount							14556	0	1426	0	8062	965
	Grand.Total							32083	0	19712	0	8062	49881

PRICE VARIATION OF LABOUR

Name of Work: Programme for Revamping of All THQ Hospital in Punjab one at THQ Mailsi District Vehari

Agency: M/S Al-Al-Shan Const: , Govt. Contractor

Authority: E.E No. 4012/CB, Dated 30-04-2022.

Date of Commencement: 30-04-2022

Date of Tender: 09-03-2022

Sr. No.	Description	Measurement Book & Page No.	Month	Value of Work Done	Conversion	B.L.R	C.L.R	Difference	%-Age	Amount
1	1st/Running	M.B 778/324, Page No.26	05-2022	2709981	0.15	780	780	0.00	0.00%	0
2	2nd/Running	M.B 778/324, Page No.21	06-2022	7677574	0.15	780	780	0.00	0.00%	0
3	3rd/Running	M.B 778/324, Page No.42	10-2022	2191303	0.15	780	962	182.00	23.33%	76696
									Total	76696

PRICE VARIATION OF DIESEAL

Name of Work: Programme for Revamping of All THQ Hospital in Punjab one at THQ Mailsi District Vehari

Agency: M/S Al-Al-Shan Const: , Govt. Contractor

Authority: E.E No. 4012/CB, Dated 30-04-2022.

Date of Commencement: 30-04-2022

Date of Tender: 09-03-2022

Sr. No.	Description	Measurement Book & Page No.	Month	Value of Work Done	Conversion	B.L.R	C.L.R	Difference	%-Age	Amount
1	1st/Running	M.B 778/324, Page No.26	05-2022	2709981	0.07	144.15	144.15	0	0.00%	**0**
2	2nd/Running	M.B 778/324, Page No.21	06-2022	7677574	0.07	144.15	204.15	60	41.62%	**223696**
3	3rd/Running	M.B 778/324, Page No.42	10-2022	2191303	0.07	144.15	235.30	91.15	63.23%	**96993**
									Total	**320690**

PRICE VARIATION OF LABOUR

Name of Work: Programme for Revamping of All THQ Hospital in Punjab one at THQ Mailsi District Vehari

Agency: M/S Al-Al-Shan Const: , Govt. Contractor

Authority: E.E No. 4012/CB, Dated\30-04-2022.

Date of Commencement: 30-04-2022

Date of Tender: 09-03-2022

Sr. No.	Description	Measurement Book & Page No.	Month	Value of Work Done	Conversion	B.L.R	C.L.R	Difference	%-Age	Amount
1			11-2022	40158239	0.15	780	962	182.00	23.33%	**1405538**
									Total	**1405538**

PRICE VARIATION OF DIESEAL

Name of Work: Programme for Revamping of All THQ Hospital in Punjab one at THQ Mailsi District Vehari

Agency: M/S Al-Al-Shan Const:, Govt. Contractor

Authority: E.E No. 4012/CB, Dated 30-04-2022.

Date of Commencement: 30-04-2022

Date of Tender: 09-03-2022

Sr. No.	Description	Measurement Book & Page No.	Month	Value of Work Done	Conversion	B.L.R	C.L.R	Difference	%-Age	Amount
1	1st/Running	0	11-2022	40158239	0.07	144.15	235.30	91.15	63.23%	**1777521**
									Total	**1777521**

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

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

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO21010606
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:LO21010606
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

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

10. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	61.000	22.937	2.370	2.273	4.317	7.336	100.233
Utilization	24.391	22.712	2.287	2.044	3.964	0.757	56.155

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	10.000	25.541	35.541
Utilization	0	0	0	0	10.000	0.000	10.000

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

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11.4 ECONOMIC ANALYSIS

Impact of Delays on Project Cost and Viability

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

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee
Laboratory fees
Diagnostic facility fees
Dental fee
ECG fee
Private room charges
Ambulance charges
From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

Original Gestation period (From September, 2017 to June, 2019)
Extension in Gestation period for one year with no change in cost & Scope till June 2020.
1st Revised gestation period till June, 2021
2nd Revised gestation period till June, 2023
3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

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12.3 IMPLEMENTATION PLAN

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12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

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13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

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

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

Prepared By:

(HISSAN ANEES)
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(Oct-2022)

(RIZWAN SHOUKAT)
PROCUREMENT SPECIALIST, (PMU),
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(Oct-2022)

(HAMZA NASEEM)
PROJECT MANAGER CIVIL, PMU,
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Checked By:

(Dr. AYESHA PARVEZ)
DEPPUTY PROJECT DIRECTOR (PMU),
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(Oct-2022)

(KHIZAR HAYAT)
PROJECT DIRECTOR (PMU),
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(042-99231206)
(Oct-2022)

Approved By:

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

17. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Mailsi District Vehari

20. MARGINALISATION OF PC-1

SR.NO.	CRITERIA	YES/NO	COMMENTS
Description & Objectives			
1	does the pc-i specify link/alignment with punjab growth strategy, punjab spatial strategy (if relevant) & sustainable development goals?	NO	
2	do project objectives/justification include focus on marginalised groups (women, pwds, minorities, transgender, poor etc.)?	NO	
Use of Gender Disaggregated Data			
1	has gender disaggregated data been used to determine need for the project? if yes, identity the source. if not, what additions/observations have been made to strengthen the pc-i?	NO	
2	was gender disaggregated data used to identify potetialimpact of the project on selected beneficiaries?	NO	
Social Impact			
1a	have marginalised groups been included as beneficiaries of the project?	NO	
1b	if yes, does the pc-1 specify a specific quota/percentage for the marginalised (women, peds, etc.)?	NO	
2	does the pc-1 include specific provisions for capacity building / training of women (if applicable)?	NO	
Results Based Monitoring			
1a	does the pc-i include a results based monitoring framework (rbmf)/logical framework?	NO	
1b	if yes, does the framework include measurable targets relating to impact on marginalised groups?	NO	
2	were sdg indicators used for determining targets included in the pc-i?	NO	
3	was gender disaggregated data used to establish baseline and develop quantifiable targets/key indicators?	NO	
4	if yes, identify the source/refresh institute(s)?	NO	
Inculsion/Participation			
1	was female representation ensured in planning and adp formulization?	NO	
2a	was stakeholder consultation held during adp formulization and/or pc-idevelopment?	NO	

2b	if yes, did the consultation include experts and representatives of marginalised groups and csos?	NO	
3	was participation of representatives of marginalised groups ensured in pc-1 rist assessment planning?	NO	
Monitoring & Evaluation			
1	does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO	
2a	does the project include formation of a steering committee and/or project implementation committiees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	