



PC-1

## Revamping of THQ Hospital, Shakargarh District Narowal

ORIGINAL APPROVED COST	<b>PKR Million. 397.654/-</b>
ORIGINAL APPROVED GESTATION	<b>72 Months</b> <b>Till June 2025</b>
APPROVAL FORUM	<b>DDSC (DDSC)</b>

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

Revamping of THQ Hospital, Shakargarh District Narowal

## **2. LOCATION OF THE PROJECT**

### **2.1. DISTRICT(S)**

I. NAROWAL

### **2.2. TEHSIL(S)**

I. SHAKARGARH

## **3. AUTHORITIES RESPONSIBLE FOR**

### **3.1. SPONSORING AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.2. EXECUTION AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.3. OPERATIONS AND MAINTENANCE AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.4. CONCERNED FEDERAL MINISTRY**

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

#### 4. PLAN PROVISION

Sr #	Description
1	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>GS No:</b> 5255
3	<b>Total Allocation:</b> 0.000
4	<b>Comments:</b> Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

#### 5. PROJECT OBJECTIVES

Attached

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

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

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

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

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

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

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

Due to lack of structured planning and monitoring, previous efforts did not materialize into an integrated health care regime, rather these have resulted in haphazard construction, poor repair and maintenance, lack of basic amenities, absence of waiting areas, substandard diagnostics and therapeutics, shabby outlook and suboptimal level of

patient care over all. Such state of affairs has severely jolted level of trust in health care system by common man and hence the patients prefer to visit tertiary level hospitals or even private health facilities for treatment of even very common pathologies. This subsequently has a cascade effect on socioeconomics of common man who has to spend more in shape of travelling from villages to district headquarters and then bearing costs of private treatment, secondly, this has also increased disease load on our tertiary health care establishments.

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

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

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

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

## **5.3 Infrastructural Interventions**

The construction of various new blocks of hospital complex is constructed without any proper planning and necessary connection to existing blocks. On the whole, the complete infrastructure of hospital is quite complex and scattered, access to various blocks of hospital is quite inadequate and there is no proper connection or link between different blocks of hospital. In the revamping program of DHQ and THQ Hospitals, the placement of various facilities of hospitals are re-planned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.

Major infrastructural interventions can be divided in the following four categories

### **5.3.1 External Development**

### **5.3.2 Internal Development**

### **5.3.3 Medical Infrastructure Development**

### **5.3.4 Emergencies Development**

### **5.3.1 External Development**

#### **5.3.1.1 External Platforms**

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

#### **5.3.1.2 Façade Improvement**

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

#### **5.3.1.3 Sewerage System**

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

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

Landscaping in hospital adds aesthetic & beauty to the built environment as well as improves in reducing the pollution. Soft & hard landscape reduces dust particles moment in air, hence contributes in a clean environment. The hours spent in a hospital can be stressful for patients, staff and visitors. According to research easy access to a natural environment can contribute to stress management and potentially improve health outcomes: physiological studies indicate that 3-5 minutes spent in such Hospital Outdoor Landscape Design environments reduces anger, anxiety and pain and induces relaxation. Research also shows that “positive distractions” can reduce stress and their visual forms



include gardens, scenic views and artwork, which play a critical role in modern hospital design: gardens, fountains, and water features provide patients, staff and visitors with restorative experiences of nature. In this regard complete lawns development, placement of benches, dust bins, playing equipment, fruit trees, flower plants, fruit trees and gazebos are proposed in all hospitals under revamping program

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

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

#### **5.3.1.6 External Electrification**

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

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

Non-clinical facilitation of patients and attendants were specially considered in the revamping program. One such facilitation step is designing the parking and waiting areas on basis of daily influx of vehicles and patients/attendants during the peak hours. Parking and waiting areas on several places of hospital were then proposed according to the design.

#### **5.3.1.8 External Signage**

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 grooves can be prevented. Moreover, to make the X-Ray rooms radio-resistant and to keep the patients away from the harm of rays, interventions are taken in X-ray rooms regarding provision of lead lining in walls, ceiling and floor.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **5.3.3 Medical Infrastructure Development**

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

For patient receiving, information, guidance, appointment or for any other task, separate reception counters are proposed in various blocks so that, all necessary information regarding the block is available on the counter round the clock. In this way, utilization of clinical facilities will be optimized. For indoor patient department, complete facilitation and care of patients admitted in wards is ensured by proposal of nursing counter in each ward. This nursing counter will be placed or constructed in such a placement that each bed can be monitored by the nurse available.

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

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

All THQS and DHQs are already providing emergency services to critical ill patients. As far as the existing sources including human resources & equipment are not sufficient to fulfill the requirement. Primary and secondary healthcare department is going to take the initiative to improve emergencies of hospitals by providing new equipment and human resource in form of recruitment of doctors, nurses and paramedical staff along

with Infrastructure of Causality Department. Ultimate goal of revamping of emergencies is to enhance the quality of medical services to critical ill patient in golden hour to decrease the mortality and morbidity rate in causality department of each hospital.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MSDS are minimum level of services, which the patients and service users have a right to expect. MSDS include minimum package of services, standards of care (level specific) and mandatory requirements/systems for delivery of effective health care services. The World Health Assembly in Alma-Atta in 1978 expressed the need of action to protect and promote the health for all the people of the world. Essential health is to be

made universally accessible to individuals and families through their full participation and at a cost that the community and country can afford. MSDS is now being deemed to be of vital importance at Secondary HealthCare level. The THQ hospital provides promotive, preventive, curative, diagnostics, in patients, referral services and also specialist care.

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

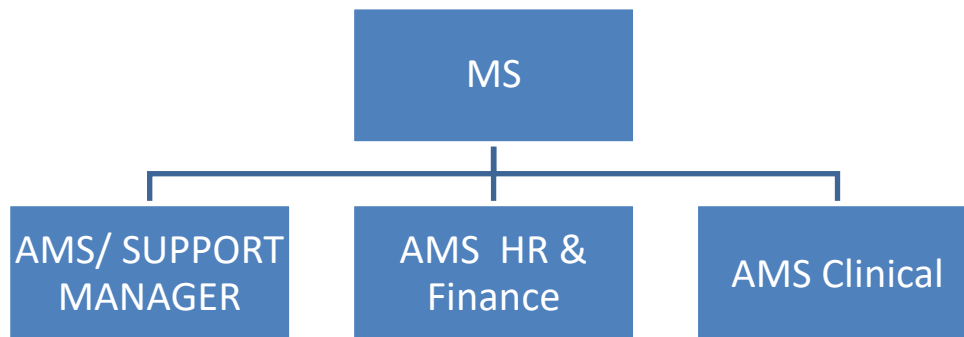
#### **5.4.5 Security**

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**

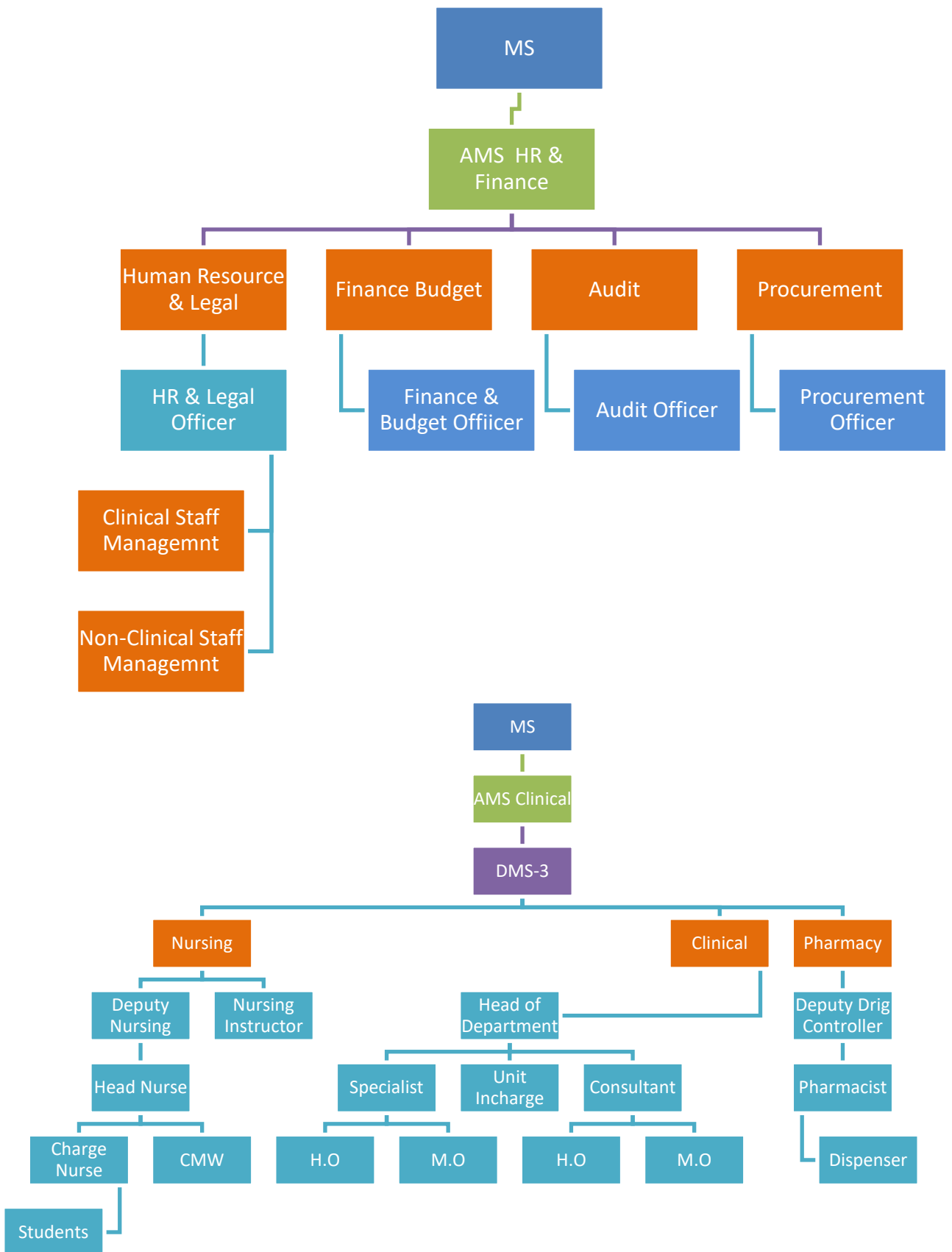
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

## 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



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

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

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

#### **5.6.2.1 Medical Superintendent**

Shall be overall responsible for all the affairs of the Hospital

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

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

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

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

In place of the clerical positions, the P&SH Department has introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The

officers recruited as a part of the NMS have a minimum of 16 years of education. Their minimum qualification is MBA / B.Sc. Engineering / M.Com / Pharm-D / M.Cs / LLB / MPA / CA Inter / ACCA / ACMA / Master Degree or equivalent in relevant field etc. Their recruitments were undertaken through a competitive process by a third party testing service.

#### **5.6.2.3 Admin Officer**

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

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

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

#### **Eligibility Criteria**

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

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

Shall be responsible for following:

1. Issuance of monthly Duty rosters & special duty rosters of Eid, Muhurram etc. of all clinical & non-clinical staff in hospital

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

#### **Eligibility Criteria**

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

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

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

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

#### **Eligibility Criteria**

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

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

Shall be responsible for following:

1. Handling of all financial matters of hospital
2. Petty cash handling
3. Preparation of budget
4. Budget review
5. Maintenance of accounts and record



6. Any other function assigned by AMR HR & Finance/MS/P&SHD

#### **Eligibility 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

#### **Eligibility Criteria**

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

#### **5.6.2.8 Quality Assurance Officer**

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

#### **Eligible Criteria**

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

OR

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

2. Minimum 1 Year post degree relevant experience.

#### **5.6.2.9 Logistics Officer**

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

### **Eligible Criteria**

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

#### **5.6.2.10 Data Entry Operators (DEO)**

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

### **Eligible Criteria**

1. Minimum qualification BA / B.Sc / B.COM / BCS or equivalent from HEC recognized University. In case of BA/B.COM candidate must have six months computer course / Diploma.
2. Proficient in MS Word/ MS Excel/ MS Power point (additional credit may be given for additional relevant certified computer courses)
3. 1 years post degree relevant experience

#### **5.6.2.11 Assistant Admin Officer**

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

### **Eligibility Criteria**

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

### **5.7 HR for QMS and MSDS and Day Care Center.**

#### **5.7.1.1 QMS Supervisor / Information Desk Officer**

Shall be responsible whole QMS networking

### **Eligible Criteria**

1. M.Sc. (Comp. Engineering, Electronics, Electrical Engineering, IT, Telecommunication, Com. Science, Software Engineering, MCS), BCS (Comp. Engineering, Electronics, Electrical Engineering, IT, Telecommunication, Com. Science, Software Engineering, MBA, BBA, MPA, IT related 16 years Education.
2. Experience in the field of Software/Hardware/Network/DATA Quality Assurance, IT projects, IT enabled organizations, CCTV Control Room monitoring, Call Centre,

Networking, Software Development will be considered as an added advantage during interview process.

3. Excellent communication Skill (Urdu, English) and IQ level
4. Age Limit of 21-28 years for Male & 21-30 years for Female
5. Typing Speed: 30WPM.

#### **5.7.1.2 Computer Operators**

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

#### **Eligible Criteria**

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

#### **5.7.2 Consultants (MSDS) Implementation & Clinical Audit**

#### **Eligible Criteria**

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

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

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

Punjab Healthcare Commission was established under the PHC Act 2010 as an autonomous regulatory body for health sector; with the purpose of improving the quality, safety and efficiency of healthcare service delivery for all Public and Private Healthcare

Establishments (including Allopaths, Homeopaths and Tibbs) in the province of Punjab. The Punjab Healthcare Commission has developed Minimum Service Delivery Standards (MSDS) for all hospitals to improve the quality of healthcare services all over the Punjab. All Healthcare Establishments are required to implement MSDS to acquire a License to deliver healthcare services in Punjab.

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

#### **5.7.2.2 Objectives**

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

#### **5.7.2.3 Scope of Work**

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

#### **5.7.2.4 Reporting Arrangements**

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

#### **5.7.2.5 Duration of Assignment**

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

#### **5.7.2.6 Outputs / Key Deliverables**

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

#### **5.7.2.7 Remunerations**

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

#### **5.7.2.8 Terms of Payment**

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

### **5.7.3 HR for Day Care Center**

#### **5.7.3.1 Manager Day Care Center (DCC)**

Shall be responsible for general administrative affairs of DCC.

#### **Eligibility Criteria**

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

#### **5.7.3.2 Montessori Trained Teacher**

Shall be responsible for basic education of children.

#### **Eligibility Criteria**

1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.

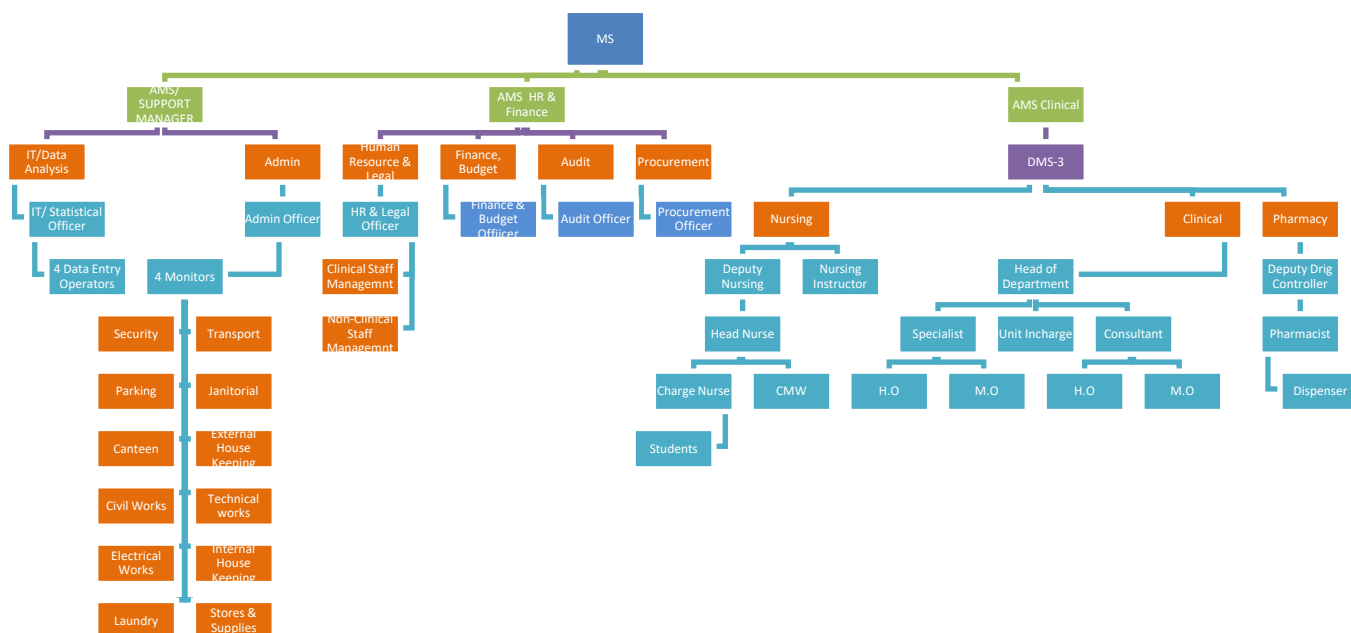
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

### 5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

### Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

<u>Project Pay Scale (PPS)</u>	<u>Revised Project Pay Scales (Permissible Range) (PKR)</u>	<u>Annual Increment Up to % age</u>
--------------------------------	---	-------------------------------------

PPS-1	28,000 --- 44,800	10
PPS-2	35,000 --56,000	10
PPS-3	43,750 -- 70,000	10
PPS-4	52,500 -- 84,000	10
PPS-5	70,000 --112000	10
PPS-6	105,000 -- 172,200	8
PPS-7	157,500 --258,300	8
PPS-8	218,750--358,750	8
PPS-9	306,250--502,250	8
PPS-10	437,500--700,000	5
PPS-11	612,500-- 980,000	5
PPS-12	875,000 --1,400,000	5

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
Admin Officer	1	80,000	960,000	105,000	1,260,000
Human Resource Officer	1	80,000	960,000	105,000	1,260,000
IT/Statistical Officer	1	80,000	960,000	105,000	1,260,000
Finance & Budget Officer	1	80,000	960,000	105,000	1,260,000
Procurement Officer	1	80,000	960,000	105,000	1,260,000
Quality Assurance Officer	1	80,000	960,000	105,000	1,260,000
Logistics Officer	1	80,000	960,000	105,000	1,260,000
Data Entry Operator (DEO)	2	35,000	840,000	44,000	1,056,000
Assistant admin Officer	2	50,000	1,200,000	70,000	1,680,000
<b>Total</b>	<b>11</b>	<b>645,000</b>	<b>8,760,000</b>	<b>849,000</b>	<b>11,556,000</b>

## 5.8 Other Initiatives:

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

- Rehabilitation of Emergency Ward

- Fixture of Benches
- Addition of Bracket Fans/Water Coolers/LCDs with signage
- Supply of Laboratory/ Equipment/USG/ECG etc.
- CCU Improvement
- Installation of Water filtration plants
- Replacement of Bed sheets/Pillows/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:

Deputy Commissioner	(Chairman)
District Monitoring Officer	(Member)
Executive Engineer Buildings	(Member)
Assistant Commissioner Concerned	(Member)
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

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

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Shakargarh District Narowal is more than 0.541 million. The area of the THQ Hospital Shakargarh District Narowal is 116,919 SFT land.

### **6.1 Description and Justification**

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

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

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

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

### **Justification for 3<sup>rd</sup> Revision of PC-I**

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

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

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

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

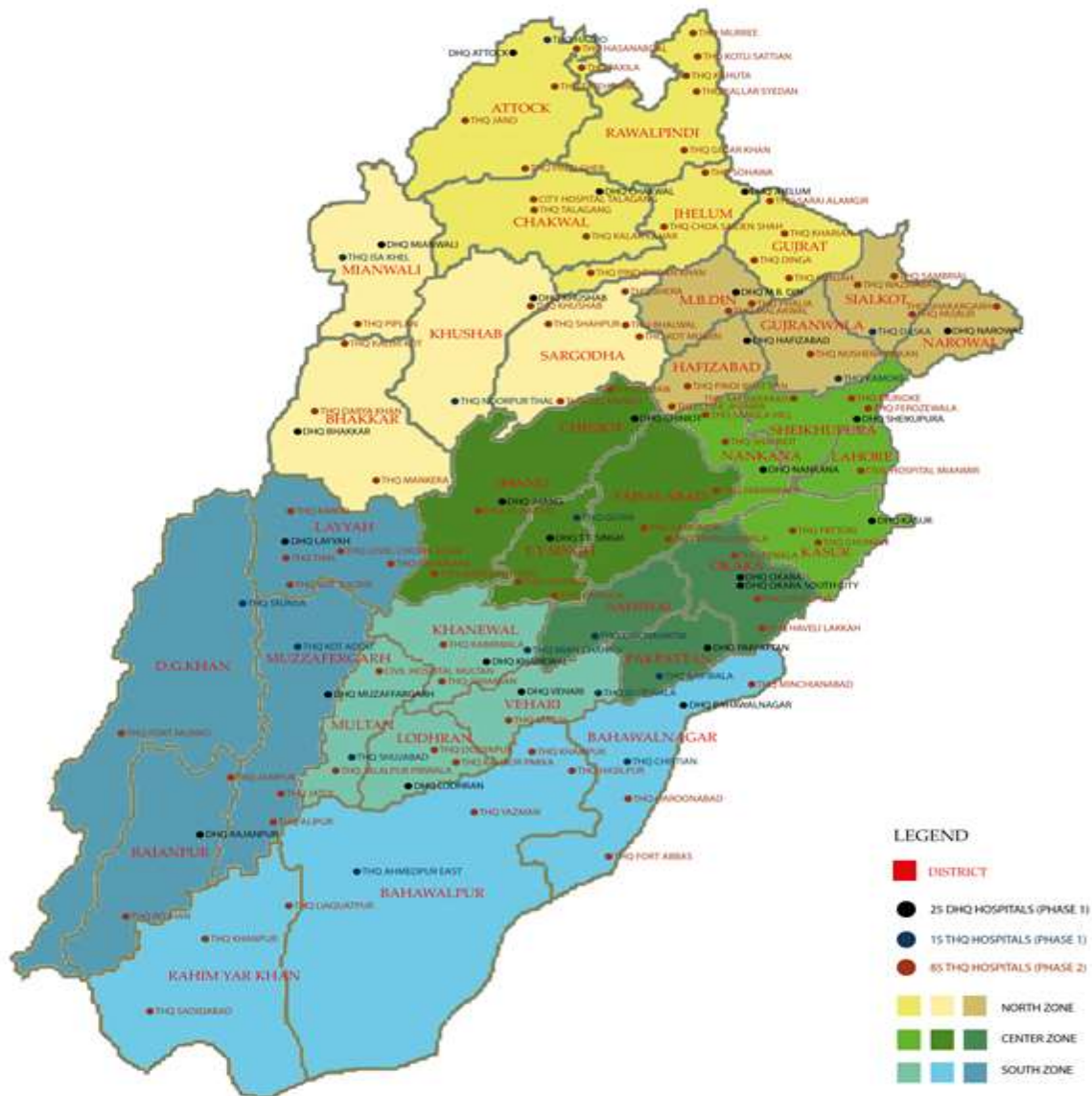
**85 THQ Hospitals covered under the Program:**

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

PROJECT MANAGEMENT UNIT  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB





## **6.2 SECTORAL SPECIFIC INFORMATION**

Social Sector Health Department

## 7. CAPITAL COST ESTIMATES

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

**Grant Number:**Development - (PC22036)  
**LO NO:**LO17010579  
**A/C To be Credited:**Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	89.079	0.000	100.000	0.000	100.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	89.079	0.000	100.000	0.000	100.000	0.000

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010738  
**A/C To be Credited:**Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	58.575	0.000	50.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	58.575	0.000	50.000	0.000	0.000	0.000

## Abstract of Cost

Abstract of Cost															
Name of THQ Hospital	THQ Shakargarh														
Scope of work	Cost in million														
	Original			1st Revised			2nd Revised			Amended- 2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component															
Internal Development	0.000	16.770	16.770	0.000	16.770	16.770	61.208	5.000	66.208	63.422	5.000	68.422	63.422	5.000	68.422
External Development	0.000	3.217	3.217	0.000	3.217	3.217	29.920	0.000	29.920	40.734	0.000	40.734	40.734	0.000	40.734
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	4.406	0.000	4.406	4.419	0.000	4.419	4.419	0.000	4.419
Total Capital Component	0.000	25.586	25.586	0.000	25.586	25.586	95.535	5.000	100.535	108.575	5.000	113.575	108.575	5.000	113.575
Emergency	0.000	34.188	34.188	0.000	34.188	34.188	0.000	48.440	48.440	0.000	48.440	48.440	0.000	65.343	65.343
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	12.598	12.598
Med. Machinery and Equipment	0.000	55.442	55.442	0.000	55.442	55.442	0.000	74.748	74.748	0.000	74.748	74.748	0.000	82.509	82.509
Electricity	0.000	11.908	11.908	0.000	11.908	11.908	0.000	11.737	11.737	0.000	11.737	11.737	0.000	25.586	25.586
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	15.418	15.418
Interior and Exterior decorations/ Signage	0.000	3.035	3.035	0.000	3.035	3.035	0.000	4.271	4.271	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	37.120	37.120	0.000	37.120	37.120	0.000	53.748	53.748
LC Deficit during procurement (currency fluctuation)								2.886	2.886		2.886	2.886		2.886	2.886
Total Revenue component	0.000	160.059	160.059	0.000	160.059	160.059	0.000	220.674	220.674	0.000	220.674	220.674	0.000	284.079	284.079
Outsourcing component															
Janitorial Services	0.000	14.052	14.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.854	5.854	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.220	2.220	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.685	3.685	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	8.735	8.735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	0.000	45.593	45.593	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.000	231.238	231.238	0.000	185.645	185.645	95.535	225.674	321.209	108.575	225.674	334.249	108.575	289.079	397.654
Contingency (1%) only on Civil Component	0.000	0.256	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	0.000	4.625	4.625	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	0.000	236.119	236.119	0.000	185.645	185.645	95.535	225.674	321.209	108.575	225.674	334.249	108.575	289.079	397.654

## Emergency Equipment

Sr. No.	Area	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
			Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)
				(T=7+S=7+E=14)				(T=7+S=7+E=14)				(T=7+S=7+E=14)		
1	Reception Area	Table	0		99,750	-	0		99,750	-	0		99,750	-
2		Chairs	0		26,775	-	0		26,775	-	0		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	1	141,750	141,750	1	1	195,000	195,000
4	3	Table (2.5 X 4)"(N)	0	0	101,850	-	0	0	101,850	-	0	0	101,850	-
5	7	Chairs *(N)	0	0	26,775	-	0	0	26,775	-	0	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	7	15,750	110,250	3	7	15,750	110,250	3	7	30,000	210,000
7		Gurney WITH FOOT STEP*(N)	3	7	420,000	2,940,000	3	7	420,000	2,940,000	3	7	460,000	3,220,000
8		Mercury B.P apparatus*(N)	2	5	33,600	168,000	2	5	33,600	168,000	2	5	36,000	180,000
9		Laryngoscope paed's & adult each*(N)	2	5	10,500	52,500	2	5	10,500	52,500	2	5	8,200	41,000
10		Diagnostic set*(N)	1	3	45,150	135,450	1	3	45,150	135,450	1	3	85,000	255,000
11		ECG Machine (with trolley) *(N)	1	3	169,785	509,355	1	3	169,785	509,355	1	3	180,000	540,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	0	420,000	-	0	0	-	-
13		NEBULIZER HD*(N)	2	5	125,265	626,325	2	5	125,265	626,325	2	5	250,000	1,250,000
14		SUCKER MACHINE*(N)	1	3	259,350	778,050	1	3	259,350	778,050	1	3	275,000	825,000
15		Resuscitation Trolley (fully equipped) *(N)	1	3	244,733	734,199	1	3	244,733	734,199	1	3	400,000	1,200,000
16	Minor O.T	INSTRUMENT CABINET*N	1	3	69,300	207,900	1	3	69,300	207,900	1	3	69,300	207,900
17		MEDICINE TROLLY*N	1	3	60,900	182,700	1	3	60,900	182,700	1	3	60,900	182,700
18		O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1	1,417,500	1,417,500	1	1	2,000,000	2,000,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	1	2,509,554	2,509,554	1	1	3,000,000	3,000,000
20		Sucker machine	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000
21		Portable O.T Lights	1	1	304,220	304,220	1	1	304,220	304,220	1	1	500,000	500,000
22		Ceiling o.t light	1	1	414,750	414,750	1	1	414,750	414,750	1	1	800,000	800,000
23		Hot air oven	1	1	110,000	110,000	1	1	110,000	110,000	1	1	385,000	385,000
24		Autoclave	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000
25		Instrument trolley*N	1	1	54,000	54,000	1	1	54,000	54,000	1	1	55,000	55,000
26	Constant / specialized care room	Defibrillator*N	1	1	310,000	310,000	1	1	310,000	310,000	1	1	650,000	650,000
27		Instrument cabinet	1	1	69,300	69,300	1	1	69,300	69,300	1	1	69,300	69,300
28		GURNEYS*N	4	7	420,000	2,940,000	4	7	420,000	2,940,000	4	7	460,000	3,220,000
29		Sucker machine *(N)	2	2	259,350	518,700	2	2	259,350	518,700	2	2	275,000	550,000
30		Nebulizer HD*(N)	2	2	125,265	250,530	2	2	125,265	250,530	2	2	215,000	430,000
31		Center Oxygen supply*N	1	0	420,000	-	1	0	420,000	-	1	0	-	-
32		Resuscitation Trolley (fully equipped) *(N)	1	1	237,618	237,618	1	1	237,618	237,618	1	1	400,000	400,000
33		Defibrillator*N	1	1	302,605	302,605	1	1	302,605	302,605	1	1	650,000	650,000
34		Pulse - oximeter*(N)	4	7	104,000	728,000	4	7	104,000	728,000	4	7	160,000	1,120,000
35		Bedside-monitor*(N)	4	7	301,665	2,111,655	4	7	301,665	2,111,655	4	7	550,000	3,850,000
36	Emergency ward	ECG MACHINE*(N)	1	1	169,785	169,785	1	1	169,785	169,785	1	1	169,785	169,785
37		BP APPARATUS*N	1	7	15,750	110,250	1	7	15,750	110,250	1	7	16,000	112,000
38		FOOT STEP*(N)	1	7	3,150	22,050	1	7	3,150	22,050	1	7	4,000	28,000
39		ATTANDANT BENCH*(N)	1	7	5,250	36,750	1	7	5,250	36,750	1	7	8,000	56,000
40	7	(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	14	210,000	2,940,000	7	14	210,000	2,940,000	7	14	400,000	5,600,000
41	14	ECG machine(with trolley) *(N)	1	2	169,785	339,570	1	2	169,785	339,570	1	2	169,785	339,570
42	Generalized	Pulse - oximeter *(N)	6	12	104,000	1,248,000	6	12	104,000	1,248,000	6	12	160,000	1,920,000
43		Bedside-monitor*(N)	3	6	301,665	1,809,990	3	6	301,665	1,809,990	3	6	550,000	3,300,000
44		B.P apparatus wall type *(N)	6	12	26,250	315,000	6	12	26,250	315,000	6	12	30,000	360,000
45		Nebulizer HD *(N)	2	4	125,265	501,060	2	4	125,265	501,060	2	4	215,000	860,000
46		Resuscitation Trolley (fully equipped) *(N)	1	2	237,618	475,236	1	2	237,618	475,236	1	2	400,000	800,000
47		Defibrillator*N	1	2	299,153	598,307	1	2	299,153	598,307	1	2	650,000	1,300,000
48		Sucker machine *(N)	2	4	259,350	1,037,400	2	4	259,350	1,037,400	2	4	275,000	1,100,000
49		Wheel chairs *(N)	0	0	31,500	-	0	0	31,500	-	0	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-
51		ambo bag paed's with Mask*N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000
52	Generalized	ambo bag adult with Mask* N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000
53		patient stool * N	2	2	4,085	8,169	2	2	4,085	8,169	2	2	4,500	9,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	1	3,450,350	3,450,350	1	1	4,300,000	4,300,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1	1,403,325	1,403,325	1	1	1,500,000	1,500,000
		<b>Total</b>				<b>34,188,002</b>				<b>34,188,002</b>			<b>48,440,005</b>	<b>65,343,255</b>
						34.188				34.188			48.440	65.343

## MSDS

		Original			1st Revised			2nd Revised			2nd 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	250,000	250,000
5	Centrifuge Machine	0	149,336	-	0	149,336	-	0	250,000	-	0	325,000	-
6	Hot plates	2	26,250	52,500	2	26,250	52,500	2	45,000	90,000	2	55,000	110,000
7	Water bath	1	157,500	157,500	1	157,500	157,500	1	157,500	157,500	1	300,000	300,000
8	Complaint boxes	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500
9	Spine boards with Neck holders	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320
10	Sensitometer	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325
11	Densitometer personal	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782
12	Box of Films	2	26,250	52,500	2	26,250	52,500	2	30,000	60,000	2	30,000	60,000
13	Aluminium Step Wedge	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250
14	Non-Mercury thermometer	10	305	3,045	10	305	3,045	10	350	3,500	10	750	7,500
15	Brass or copper mesh screen	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500
16	Wheel Chairs	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
17	Statures	0	67,830	-	0	67,830	-	0	75,000	-	0	75,000	-
18	Blood Warmer	3	246,750	740,250	3	246,750	740,250	3	275,000	825,000	3	275,000	825,000
19	Sequence Compression Device	2	210,000	420,000	2	210,000	420,000	2	230,000	460,000	2	600,000	1,200,000
20	Blood Bank Refrigerators with	0	682,500	-	0	682,500	-	0	700,000	-	0	1,469,900	-
21	Data Coder	1	84,000	84,000	1	84,000	84,000	1	100,000	100,000	1	-	-
22	Plasma Separator 1	0	4,200,000	-	0	4,200,000	-	0	4,500,000	-	0	4,500,000	-
23	Blood Storage Cabinet	1	682,500	682,500	1	682,500	682,500	1	700,000	700,000	1	1,469,900	1,469,900
24	Resuscitation Trolley	0	244,733	-	0	244,733	-	0	400,000	-	0	491,350	-
25	Ultra sound machine gyne	0	1,403,325	-	0	1,403,325	-	0	1,700,000	-	0	2,150,000	-
26	Delivery Table	0	47,250	-	0	47,250	-	0	47,250	-	0	48,500	-
27	Height and weight scale	4	8,400	33,600	4	8,400	33,600	4	10,000	40,000	4	31,500	126,000
28	Suction Electronic	0	259,350	-	0	259,350	-	0	275,000	-	0	275,000	-
29	Fetal Heart Rate Detector	1	144,375	144,375	1	144,375	144,375	1	175,000	175,000	1	275,000	275,000
30	Ambo bag	0	17,325	-	0	17,325	-	0	19,000	-	0	19,000	-
31	Neonatal size face mask	4	578	2,310	4	578	2,310	4	1,200	4,800	4	1,500	6,000
32	Exchange transfusion trays	2	10,000	20,000	2	10,000	20,000	2	10,000	20,000	2	12,000	24,000
33	Shoe racks SS	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600
34	Sterilizer	0	2,940,000	-	0	2,940,000	-	0	3,500,000	-	0	7,800,000	-
35	Washer disinfectant	0	-	-	0	-	-	0	-	-	0	-	-
36	Packing table	0	-	-	0	-	-	0	-	-	0	-	-
37	Digital Sealer Printer	1	420,000	420,000	1	420,000	420,000	1	480,000	480,000	1	480,000	480,000
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	150,000	450,000
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	-
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400	4	1,500	6,000
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	0	630,000	-	0	630,000	-	0	630,000	-	0	630,000	-
57	Automatic shoe cover machine	2	296,100	592,200	2	296,100	592,200	2	332,500	665,000	2	332,500	665,000
58	Vein Finder	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000
59	Blood Sample Vials (BOXES)	3	13	38	3	13	38	3	15	45	3	15	45
60	Bassinets	5	21,000	105,000	5	21,000	105,000	5	22,000	110,000	5	22,000	110,000
61	Chemical Spill Cleanup kit	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000
62	Digital Temperature Humidity Gauge	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	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			12,597,942
				8,647			8,647			9,654			12,598

# Medical Equipment

			Original					1st Revised					2nd Revised					3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost			
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	219,300	-			
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000			
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000			
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-			
5		Clinical Microscope	1	2	0	132,825	-	2	0	132,825	-	2	0	180,000	-	2	0	250,000	-			
6		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	198,315	-			
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	75,000	75,000			
9		Auto pipettes	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,500	405,000	0	10	45,000	450,000			
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-			
11	X-Rays	Centrifuge Machine	2	2	0	149,336	-	2	0	149,336	-	2	0	250,000	-	2	0	250,000	-			
12		Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	6,000,000	-			
13		Mobile X-Ray Machine	0	1	0	3,850,524	-	1	0	3,850,524	-	1	0	4,300,000	-	1	0	4,300,000	-			
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-			
15		Dental X-Ray	0	0	0	282,975	-	0	0	282,975	-	0	0	350,000	-	0	0	525,000	-			
16		Lead apron and PPE	2	0	2	52,500	105,000	0	2	52,500	105,000	0	2	60,000	120,000	0	2	85,000	170,000			
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-			
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-			
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-			
20		Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,500,000	-	0	0	2,400,000	-			
21	CCU	Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	4,500,000	4,500,000			
22		ICU MONITOR	2	1	1	301,665	301,665	1	1	301,665	301,665	1	1	900,000	900,000	1	1	1,250,000	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	1	0	299,153	-	1	0	299,153	-	1	0	650,000	-	1	0	800,000	-			
25		ECG Machine Three Channel	2	1	1	169,785	169,785	1	1	169,785	169,785	1	1	169,785	169,785	1	1	169,785	169,785			
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 doplcr RADIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-			
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	275,000	550,000			
29		Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	700,000	700,000			
30		Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	250,000	250,000			
31	Blood Bank	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	2	0	132,825	-	2	0	132,825	-	2	0	180,000	-	2	0	250,000	-			
33		Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	2,200,000	11,000,000			
34		Baby Cot	10	0	10	14,669	146,685	0	10	14,669	146,685	0	10	16,000	160,000	0	10	12,699	126,990			
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	655,000	1,310,000			
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	985,000	1,970,000			
37		Pulse Oximeter	6	1	5	104,500	522,500	1	5	104,500	522,500	1	5	160,000	800,000	1	5	160,000	800,000			
38		Infant Incubator	2	0	2	858,932	1,717,864	0	2	858,932	1,717,864	0	2	900,000	1,800,000	0	2	900,000	1,800,000			
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	275,000	275,000			
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	0	2	125,265	250,530	0	2	215,000	430,000	0	2	300,000	600,000			
41	O.T (04)	Anesthesia Machine with Ventilator	1	2	0	2,509,554	-	2	0	2,509,554	-	2	0	3,000,000	-	2	0	3,000,000	-			
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	1	550,000	550,000			
43		Defibrillator	2	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000			
44		Electrosurgical Unit	1	2	0	507,530	-	2	0	507,530	-	2	0	700,000	-	2	0	700,000	-			
45		Operation Table	1	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,000,000	-			
46		Ceiling Operating Light	1	1	0	413,013	-	1	0	413,013	-	1	0	800,000	-	1	0	800,000	-			
47		STEAM STERILIZER	1	0	1	3,465,000	3,465,000	0	1	3,465,000	3,465,000	0	1	4,000,000	4,000,000	0	1	4,000,000	4,000,000			
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	275,000	550,000			
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	400,000	800,000			
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	13,488	53,952			
51	Orthopedic	MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	0	1	304,220	304,220	0	1	400,000	400,000	0	1	500,000	500,000			
52		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-			
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-			
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	450,000	450,000			
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-			
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-			
57		Portable/Mobile Ultrasound	1	2	0	1,418,958	-	2	0	1,418,958	-	2	0	1,500,000	-	2	0	1,500,000	-			
58		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	550,000	550,000			
59		Delivery Set	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,000	360,000	1	9	16,277	146,493			
60		Delivery Table	2	3	0	47,250	-	3	0	47,250	-	3	0	47,250	-	3	0	37,332	-			
61	Gynae (20 beds)	BED SIDE PATIENT MONITOR	2	1	1	294,000	294,000	1	1	294,000	294,000	1	1	550,000	550,000	1	1	550,000	550,000			
62		D & C Set	2	0	2	34,650	69,300	0	2	34,650	69,300	0	2	40,000	80,000	0	2	16,135	32,270			
63		Vacuum Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	300,000	300,000			
64		CTG Machine	1	2	0	628,049	-	2	0	628,049	-	2	0	725,000	-	2	0	725,000	-			
65		ECG Machine Three Channel	1	1	0	169,785	-	1	0	169,785	-	1	0	180,000	-	1	0	180,000	-			
66		Portable O.T Light	2	0	2	304,220	608,440	0	2	304,220	608,440	0	2	400,000	800,000							

# 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
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	2,300,000	4,600,000
105		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	550,000	550,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	350,000	350,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
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
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	1,500,000	1,500,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	626,500	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	950,000	950,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Exometer Cudlat	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	690,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trolleys	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	Beds	Fowler beds with Mattress	60	0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	66,800	4,008,000
		Total					55,441,713				55,441,713				74,748,406				82,509,028
							55,442				55,442				74,748				82,509

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	1	600,000	600,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	1	9,000,000	9,000,000
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	22	55,500	1,221,000	22	55,500	1,221,000	22	55,500	1,221,000	22	139,150	3,061,300
7	2 Ton air conditioners (Cabinet)	15	78,000	1,170,000	15	78,000	1,170,000	15	78,000	1,170,000	15	187,200	2,808,000
8	4 Ton air conditioners (Cabinet)	4	120,000	480,000	4	120,000	480,000	4	120,000	480,000	4	353,899	1,415,596
9	Ceiling Fans 56"	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700	30	6,975	209,250
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	96	3,280	314,880	96	3,280	314,880	96	3,280	314,880	96	6,600	633,600
12	Dual Connection of Electricity / Express Line	1	5,171,890	5,171,890	1	5,171,890	5,171,890	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	<b>Total</b>			<b>11,908,470</b>			<b>11,908,470</b>			<b>11,736,580</b>			<b>25,585,746</b>
				<b>11.908</b>			<b>11.908</b>			<b>11.737</b>			<b>25.586</b>



### IT & QMS & Surveillance

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

## Furniture and Fixtures

		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	35000	2,100,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	35000	350,000
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	100000	3,000,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20000	40,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	200	1,200,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9000	360,000
13	Printing			1,000,000			1,000,000			1,000,000			1,000,000
	<b>Machinery and Equipment's</b>												
14	Refrigerator(Domestic) front glass double door	2	160,000	320,000	2	160,000	320,000	2	160,000	320,000	2	150000	300,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	90000	450,000
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	50000	250,000
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	70000	350,000
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	8000	80,000
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	75000	1,125,000
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	50000	250,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	20000	80,000
	<b>Laundry &amp; Washing</b>												
24	Bed Sheets and pillow covers	300	1,250	375,000	300	1,250	375,000	300	1,250	375,000	300	2500	750,000
25	Pillows	150	400	60,000	150	400	60,000	150	400	60,000	150	500	75,000
26	Blankets with covers	100	5,000	500,000	100	5,000	500,000	100	5,000	500,000	100	4000	400,000
	<b>Medicine Store</b>												
27	Medicine (Iron Racks) 8x6x2 (Required)	20	50,000	1,000,000	20	50,000	1,000,000	20	50,000	1,000,000	20	35000	700,000
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	20000	40,000
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	35000	70,000
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	10000	200,000
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	6500	162,500
33	Thermometer (Required)	20	16,000	320,000	20	16,000	320,000	20	16,000	320,000	20	600	12,000
	<b>Total</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>15,417,500</b>
				<b>13.504</b>			<b>13.504</b>			<b>13.504</b>			<b>15.418</b>

## Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		<b>External Sign Boards</b>									
1	A1	External Platform/Road Signage (Circular)	6	9,914	59,484	6	9,914	59,484	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,070	54,420	6	9,070	54,420	6	12,762	76,574
3	B1	Main Directional Board	1	110,223	110,223	1	110,223	110,223	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,162	141,620	10	14,162	141,620	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,040	22,040	1	22,040	22,040	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,549	29,549	1	29,549	29,549	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,490	36,490	1	36,490	36,490	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,314	44,314	1	44,314	44,314	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,741	51,741	1	51,741	51,741	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,783	23,349	3	7,783	23,349	3	10,952	32,857
11	D1	Departmental Signage on Building	6	46,253	277,518	6	46,253	277,518	6	65,087	390,524
12	E1	External Map Boards	2	40,355	80,710	2	40,355	80,710	2	56,788	113,576
		<b>Internal Signage</b>	0		-	0		-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,037	445,185	5	89,037	445,185	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,790	338,950	5	67,790	338,950	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	50,206	200,824	4	50,206	200,824	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	50,788	203,152	4	50,788	203,152	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,842	89,894	7	12,842	89,894	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,691	73,820	20	3,691	73,820	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	849	84,900	100	849	84,900	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,394	139,400	100	1,394	139,400	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,538	176,900	50	3,538	176,900	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,800	18,000	10	1,800	18,000	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,245	12,450	10	1,245	12,450	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,385	47,700	20	2,385	47,700	20	3,357	67,144
13	P1	Floor Map Board	5	20,662	103,310	5	20,662	103,310	5	29,075	145,376
14	Q1	Caution Signage	25	2,129	53,225	25	2,129	53,225	25	2,996	74,900
15	Q2	Caution Signage	5	640	3,200	5	640	3,200	5	902	4,508
16	Q3	Caution Signage	10	1,120	11,200	10	1,120	11,200	10	1,576	15,764
17	Q4	Caution Signage	15	870	13,050	15	870	13,050	15	1,225	18,375
		<b>Total</b>			<b>2,946,618</b>			<b>2,946,618</b>			<b>4,146,482</b>
		Designing and Site Supervision			88,399			88,399			124,394
		<b>Grand Total</b>			<b>3,035,017</b>			<b>3,035,017</b>			<b>4,270,877</b>
					3.035			3.035			4.271

## DAY CARE CENTER

### Yard Stick as per Women Development Department

Sr. No.	ITEMS	Original			1st Revised			2nd Revised		
		Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
1	Cylinder Block	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
3	Geometrical Solids (10 pcs)	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
5	Constructive Triangles (4 box)	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
7	Stand for metal insets	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
9	Sandpaper Alphabets (English)	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
11	Sandpaper Number	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
13	Soft Reading Book	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
15	Transport Set (Model)	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
17	Model Puzzles (B)	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
19	Information Book (Large)	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
21	Basket (S)	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
23	ABC Block	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
25	Color Pensils (Large)	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
27	Marker Color (Board and Permanent)	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
29	Vegetables Basket (Model Set)	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
31	Insects sets	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
33	Flash card (Small)	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
35	Sand Play	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
37	Straight Mats	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
39	Diaper Changing Mats	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
41	Square Cushion	2	500	600	2	500	600	2	500	600
42	Baby Mirror	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
44	Dressing Frames	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
46	Lion Stuffed	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
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
49	Long Roads with Stands	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
51	Stand Number Rods	1	800	800	1	800	800	1	800	800

DAY CARE CENTER										
Yard Stick as per Women Development Department										
		Original			1st Revised			2nd 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
52	Soft toys	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
54	Toddlers Manual Weight Machine	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
56	Wooden Cots	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
58	Pillows	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
60	Nets	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
62	Rockers Cum Bouncer	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
64	Plastic Chairs (Round edges Animal Shapes)	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
66	Writing Board	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
68	Electric Warmer	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
70	Rocker	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
72	Play Gym	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
74	Toiler Training Seat	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
76	Bath Toys	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
78	Fun Pal Teether	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
80	Mother feeding Chair	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
82	Bottle Brushes	3	300	900	3	300	900	3	300	900
List of others Items i.e. Kitchen, Office, Electric				-			-			-
1	Water Dispenser	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000
2	Microwave Oven	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
4	Kitchen Accessories / Cutlery etc.	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
6	Office Table	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
8	Air Conditioner	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
10	DVD player	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
12	Fire Alarms	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
14	Vacuum Cleaner	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
16	Electric Insect Killer	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
18	Electric Heater	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
20	Curtains	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
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	<b>TOTAL</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>
				1.600			1.600			1.600

### Human Resource Model of THQ Hospital

Sr. No.	NAME OF POST	Original				1st Revised				2nd Revised				3rd Revised				
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for all Posts	Salary next for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,150,000
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	3,150,000
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	3,150,000
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	3,150,000
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	3,150,000
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	3,150,000
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	3,150,000
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	2,640,000
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	4,200,000
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	39,510,000
					17,220				17,220				28,140					39,510
Utilization of HR Component									8,980				14.24					
Total of HR Component													37.12					53.748

## 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	42,508	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	6	Persons	
Road and ROW area	45,701	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	3	Persons	
Number of washroom blocks	17	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	6	Persons	
Total sweeper in morning shift	14	Persons	
Total number of sweepers in evening shift	4	Persons	
Total number of sweepers in night shift	7	Persons	
Total number of sweepers in all shifts	29	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	29	22,000	7,524,422
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)			14,052,422

14.052

## Security and Parking

		Original		From 1st Revised to onward	
Assumptions		<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>			
Covered area excluding residences	42,508				
Covered Area per guard	15,000				
Number of guards	3				
Open area excluding parking area	45,701				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	3				
Number of gates	3				
Number of guards at gates	6				
Total No of Guard	12				
Total number of all guards for second shift	6				
Lady Searcher	2				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	9				
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	7	21,525	150,675	1,808,100	
Civilian	10	21,000	210,000	2,520,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				5,953,500	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				400,000	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				5,853,500	
				5.854	



## Laundry Services

		<b>Original</b>		<b>From 1st Revised to onward</b>
Number of beds	60			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
<b>Type of Item</b>	<b>No of Beds</b>	<b>Per bed cost per year</b>	<b>Total Cost</b>	
No of Bed	60	30,000	1,800,000	
Transport Charges			1,200,000	
<b>Total for laundry items</b>			<b>3,000,000</b>	
<b>Total</b>			<b>3.000</b>	

## Maintenance of Generator

				From 1st Revised to onward
Original				
Item Name	Quantity	Cost per year	Total Cost	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
<b>Periodical Maintenance Cost</b>				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	2	300,000	600,000	
Number of Generators (50 KVA)	-	175,000	-	
Repairs Cost	1	300,000	300,000	
<b>HR Cost</b>				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
<b>Total</b>			<b>2,220,000</b>	
				<b>2.220</b>

## MEP

Original					From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
<b>Total (Salary component)</b>			<b>217,000</b>	<b>2,604,000</b>	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	66	6,665	439,890	439,890	
Fridge	5	4,000	20,000	20,000	
UPS	12	8,000	96,000	96,000	
Water Cooler	15	4,000	60,000	60,000	
Exhaust	7	3,000	21,000	21,000	
Geyser	15	4,000	60,000	60,000	
Water Pump	3	3,000	9,000	9,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
<b>Sub Total</b>				<b>1,080,890</b>	
<b>General Total</b>				<b>3,684,890</b>	
				<b>3.685</b>	

## Medical Gases

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

# Cafeteria

## Pre-Fabrication Cateen (Procurement)

Sr. No.	Description of work	Original				From 1st Revised to onward
		Unit	Qty	Rate (Rs)	Amount (Rs)	
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	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
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	
<b>Total Amount of Platform Construction</b>					<b>1,225,070</b>	
<b>Pre-Fabrication of Canteen Structure</b>						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick ( 16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized 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	
<b>Total Cost of Pre-Fabrication of Canteen Structure</b>					<b>3,307,052</b>	

Cafeteria					
Pre-Fabrication Cateen (Procurement)					
		Original			From 1st Revised to onward
	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.	
1	SOFT LANDSCAPE				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I</p>	
1.1	TOP SOIL					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	9,184	20		183,680
1.2	STONE / PEBBLES					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375		34,375
1.3	GRASSING					
a	GRASSING (EXISTING NON MAINTANE LAWNS)					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	25,361	7		177,527
b	GRASSING (NEW LAWNS)					
	Providing and dibbing of Fine Dacca grass, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	9,361	11.25		105,311
1.4	TREE / SHRUBS (SPREADING)					
	Providing and planting tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
a	Trees 18" pot 6'-7" - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	242	1,500	363,000	
b	Trees 12" pot 3'-4" - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestal, Pilken, Palms etc.	No's	60	270	16,200	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4" - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	400	600	240,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Motya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Cannna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	31,500	69	2,173,500	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	4,875	195	950,625	
1.6	GROUND COVERS					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	25,000	12	300,000	
1.7	PALMS					
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer.					
a	Palm 18" pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	12	3,675	44,100	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	40	1,800	72,000	
1.8	CREEPERS					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	100	195	19,500	
2	HARD LANDSCAPE					
2.1	WALK WAYS					
	Excavation of walkways and edging including brick					

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original			From 1st Revised to onward	
a	ballast under 12"X14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuft tiles 60mm as per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	2000	150	300,000	
2.2	<b>BENCHES</b>					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	10	12,562	125,620	
2.3	<b>DUSTBINS</b>					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	8	23,675	189,400	
2.4	<b>PLAYING EQUIPMENTS</b>					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	465,760	465,760	
2.5	<b>PLANTERS</b>					
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	3,850	26,950	
2.6	<b>WATER POINTS (Injector Pump 1HP)</b>	No's	3	45,000	135,000	
3	<b>SOFT LANDSCAPE MAINTENANCE</b> (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	40,456	7.50	303,420	
4	<b>CONSTRUCTION OF PLANTERS</b>					
4.1	<b>Large Size</b> with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	100	550	55,000	
4.2	<b>Medium Size</b> with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	1,170	550	643,500	
4.3	<b>Small Size</b> with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	240	550	132,000	
5	<b>GAZEBO</b> Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	<b>Total Amount of - Landscaping</b>				<b>7,256,468</b>	
	<b>PRA(16%)</b>				1,161,035	
	<b>Design Consultancy</b>				100,000	
	<b>TPV (3%)</b>				217,694	
	<b>Grand Total</b>				<b>8,735,197</b>	
					<b>8.735</b>	



2nd Revised			Amended- 2nd Revised			<i>In Million</i>
Capital	Revenue	Total	Capital	Revenue	Total	Difference
95.535	225.674	321.209	108.575	225.674	334.249	13.040

PROVINCE

PUNJAB



DIVISION

BUILDING DIVISION NAROWAL

SUB DIVN :

BUILDINGS SUB DIVISION SHAKARGARH

NAME OF WORK

**AMMENDED ROUGH COST ESTIMATE FOR THE  
WORK REVAMPING PROGRAMME OF PHASE II  
FOR HOSPITALS AT TEHSIL HEAD  
QUARTER HOSPITAL SHAKARGARH TEHSIL  
SHAKARGARH DISTRICT NAROWAL. ADP#792  
FOR THE YEAR 2021-22.**

ESTIMATE COST

108.575  
RS : 411.420 (M)



The Executive Engineer,  
Buildings Division,  
Narowal.

FOR THE PURPOSE OF:-

**AMMENDED ROUGH COST ESTIMATE FOR THE  
WORK REVAMPING PROGRAMME OF PHASE II  
FOR HOSPITALS AT TEHSIL HEAD QUARTER  
HOSPITAL SHAKARGARH TEHSIL SHAKARGARH  
DISTRICT NAROWAL.**

HISTORY:-

In order to enhance the service delivery of Tehsil Head Quarter Hospital shakargarh. The Primary and Secondary Health Department Govt of the Punjab vide letter cited in reference had desired to prepare and submit the rough cost estimate for revamping and renovation of Tehsil Head Quarter Hospital. Shakargarh District Narowal. Moreover Medical Superintendent Tehsil Head Quarter Hospital Shakargarh vide letter No: M.S.T.H.Q.shakargarh/964-71 dated: 13-04-2021 asked to include rough cost estimate for up lifting of some portion of old building of Tehsil head Quarter Hospital Shakargarh.

For this purpose the rough cost estimate amounting to **Rs.95.535 (Million)** was approved administratively by Primary & Secondary Healthcare Department Govt. of the Punjab vide order No **PO(D-II)1-237/2021 dated 12-08-2021.**

Subsequently , As no tender was recieved and new plinth area rate by Chief Engineer Punjab Buildings Department North Zone Lahore vide letter No .2346-50/D , dated 15-12-2021 and MRS 1st Bi-annual 2022 by Finance department were published . Now, Amended Rough cost estimate is framed as per plinth area rates

~~108.575~~ Hence this Amended Rough cost estimate amounting to **Rs :111.420 (Million)** is forwarded for arrangement of amended administrative approval and funds from competant authority.

DESIGN & SCOPE:-

The following provision have been made in estimate:

- |   |                                     |    |
|---|-------------------------------------|----|
| 1 | Up Lifting of old Building.         | DA |
| 2 | Up Lifting / Renovation of Mortury. | DA |
| 3 | Renovation of old Building.         | DA |
| 4 | External Electrification.           | DA |
| 5 | External Sewerage.                  | DA |
| 6 | External Roads & Parking.           | DA |
| 7 | External Water Supply.              | DA |



8	Provision of Fire Alarm & Smoke Detector system.	1-Job
9	Provision of 3-D Logos.	1-Job
10	Provision of Ultra Filtration Plant.	1-Job
11	Repairing of Filtration Plant.	1-Job
12	Provision of Razor wire & painting of existing Boundry Wall.	DA
13	Repairing of Existing Street Lights.	DA
14	Re-Const: of Tilted B/Wall.	DA
14	Contingency	3%
14	PRA Tax	5%
15	Horticulture Charges.	1%
16	Sui Gas Connection charges.	L.S

**SPECIFICATION:-**


The work was completed at site as per approved specification of buildings Department.

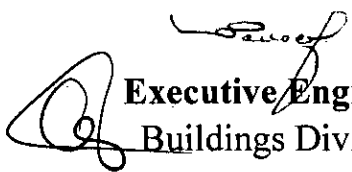
**RATE.**

The rate have been provided in the estimate as plinth area /  
**M.R.S 1st Bi Annual period 2022.**

**COST:-**

Total cost of estimate comes to Rs **108.575** ~~111.420~~ Million

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh

  
Executive Engineer,  
Buildings Division  
Narowal.





Primary & Secondary  
Healthcare Department

GOVERNMENT OF THE PUNJAB  
Dated Lahore the 24-11-2021

**ORDER**

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

Rs. in Millions

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

Page 1 of 4



ROUGH COST ESTIMATE FOR THE WORK "REVENING PROGRAMME OF PHASE II  
HOSPITALS AT T.H.O. HOSPITAL SHARADHA DISTRICT NAROWAL

1901-1917

[illegible]

2410T

4-11-63. HE b6A

REF ID: A59 X2 b5a

APR 18 1964

1992-1993

11-21 YCS

(b)(7)(C) 252.28

*[Handwritten signatures and stamps at the bottom of the page]*

**Foreign debt**

~~SECRET~~

**COMPARATIVE STATEMENT AMMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING PROGRAMME OF PHASE-II HOSPITAL AT T.H.Q.HOSPITAL SHAKARGARH DISTRICT NAROWAL ADP SCHEME NO.792 FOR THE YEAR 2021-2022**

Sr. No.	Description	As per approved Rough Cost Estimate.	As per Ammended Rough Cost Estimate.	Difference		Remarks
				Excess	Saving	
1	Up-Lifting of Old Building.	26968000	31552000 ✓	4,584,000		Excess due to Change of M.R.S/Plinth Area Rates.
2	Up-Lifting/Renovation of Mortury.	1576500	1,800,000 ✓	223,500		-do-
3	Renovation of Old Building.	23980000	<del>26907146</del> <del>27,057,500</del>	<del>2927146</del> <del>3,077,500</del>		-do-
4	External Electrification.	13185532	<del>14261795</del> <del>15,658,231</del>	<del>1076263</del> <del>2,472,699</del>		-do-
5	External Sewerage.	879907	1,011,721 ✓	131,814		-do-
6	External Roads & Parking.	8170520	9,376,024 ✓	1,205,504		-do-
7	External Water Supply.	1062523	1,322,547 ✓	260,024		-do-
8	Provision of Fire Alarm System and Smoke Detector System.	3388000	<del>2895888</del> <del>3,388,000</del>	0	492112	No Change.
9	Provision of 3-D Logos .	242000	266,500 ✓	24,500		-do-
10	Provision of Ultra Filtration Plant 1000 Litre P-Hour.	3,965,500	<del>4340873</del> <del>4,397,500</del>	<del>375373</del> <del>432,000</del>		-do-
11	Repairing of Filtration Plant 800-Gln P-Hour.	77,000	78,000 ✓	1,000		-do-
12	Razor Wire /Painting of existing Boundary wall .	198,000	<del>165011</del> <del>2,41,500</del>	<del>43,500</del>	32989	-do-

4

13	Repairing of Existing Street Lights.	1,179,000	1058149 <del>1,724,149</del>	<del>545,149</del>	120851	-do-
14	Re-Const: of Tilted B/Wall.	2,040,000	3,854,000 ✓	1,814,000 ✓	-	-do-
	<b>Total</b>	86,912,482	98876007 <del>101,486,171</del>	12623124 <del>14,815,109</del>	642852	
	Add: 3% Contingency Charges	2,607,374	2966280 <del>3,041,585</del>	437,211		
	Add: 5% PRA Tax	4,345,624	4943800 <del>5,074,309</del>	728,684		
	Add 1% Land Scaping	869,125	988760 <del>1,014,862</del>	145,737		
	Add Sui Gas Connection Charges.	800,000	800,000 ✓	-	-	
	<b>Total</b>	95,534,605	108574847 <del>111,419,936</del>	16,126,821	0	
	<b>Total</b>	95.535(M)	<del>111.420(M)</del>	16.127(M)	0.000(M)	
			108.575			

Administrative Approval 95.535(M)  
 Ammended Rough Cost Estimate 108.575  
 Difference 13.04  
 or 13.64  
 16.62 % Above

Sub Engineer.

(Sub Divisional Officer)  
 Buildings Sub Division  
 Shakargarh.

Executive Engineer  
 Buildings Division  
 Narowal.



(11)

**AMMENDED ROUGH COST ESTIMATE FOR THE WORK "**  
**REVAMPING PROGRAMME OF PHASE - II HOPITALS AT T.H.Q.**  
**HOSPITAL SHAKARGARH " DISTRICT NAROWAL.**

**GENERAL ABSTRACT OF COST.**

**1ST BI ANNUAL 2022.**

1	Up-Lifting of Old Building.	DA	31552000 ✓
2	Up-Lifting/Renovation of Mortury.	DA	1800000 ✓
3	Renovation of Old Building.	DA	<del>27057500</del> 26907146
4	External Electrification.	DA	<del>15658231</del> 14261795
5	External Sewerage.	DA	1011721 ✓
6	External Roads & Parking.	DA	9376024 ✓
7	External Water Supply.	DA	1322547 ✓
8	Provision of Fire Alarm System and Smoke Detector	DA	<del>2895888</del> <del>3388000</del>
9	Provision of 3-D Logos .	DA	266500 ✓
	Provision of Ultra Filtration		4340873
10	Plant 1000 Litre P-Hour.	DA	<del>4397500</del>
	Repairing of Filtration Plant		
11	800-Gin P-Hour.	DA	78000 ✓
	Razor Wire /Painting of		165011.
12	existing Boundary wall .	DA	<del>241500</del>
	Repairing of Existing Street		1058149
13		DA	<del>1724149</del>
14	Re-Const: of Tilted B/Wall.	DA	3854000 ✓
Total.			<del>101486171</del> 98870007
Add 3% Contingency.			<del>3044585</del> 2966280
Add 5% PRA Tax.			<del>5074309</del> 4943800
Add 1% Horticulture Charges.			<del>1014862</del> 988760
Add Sui Gas connection charges.			800000 ✓
Say Rs =			<del>111419926</del> 108574847
			111.420(M)
			108.575 (m)

Sub Engineer,

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.

**TECHNICALLY VETTED**

For Rs. **108.575 (M)** (Million)

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

Chief Draftsman

**SUPERINTENDING ENGINEER**  
Buildings Circle No.2  
Gujranwala



**COMPARATIVE STATEMENT AMMENDED ROUGH COST ESTIMATE FOR THE WORK "**  
**UP-LIFTING OF OLD BUILDING " AT. TEHSIL HEAD QUARTER HOSPITAL**  
**SHAKARGARH.**

Sr. No.	Description	As per apprvped Rough Cost Estimate.	As per Ammended Rough cost Estimate.	Difference		Remarks
				Excess	Saving	
1	Main Building	24877155	28,414,150	3,536,995		Excess due to Change of M.R.S
2	Electric installation portion.	1343194	1,821,280	478,086		Excess due to Change of Plinth Area Rates.
3	Public Health portion.(P.A)	1047236	1,377,343	330,107		-do-
4	Sui Gas Portion.	352873	591,916	239,043		-do-
	<b>Total</b>	<b>27620458</b>	<b>32204689</b>	<b>4584231</b>		
	Credit Of Old Material.	652436	652436			
	<b>Total</b>	<b>26968022</b>	<b>31552253</b>	<b>4584231</b>		

SubEngineer.

Sub Divisional Officer,  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narowal.



6

**AMMENED ROUGH COST ESTIMATE FOR THE WORK "UP-LIFTING OF OLD BUILDING AT T.H.Q HOSPITAL  
SHAKARGARH TEHSIL SHAKARGARH.**

**MAIN BUILDING.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	Removing door with chowkat.	43	362.35	Each	15581
2	-do- windows.	80	283.15	Each	22652
3	-do- ventilator.	10	148.5	Each	1485
4	Desmentling flaged floor with out concrete.	9932	700.15	%Cft	69539
5	Rehandling of earth with one throw of kassi.	3307	2059.2	o%Cft	6810
6	Desmentling of cement concrete reinforced separting reinforcement from cncrete, cleaning and straighting the same.	4133	14826.25	%Cft	612769
7	Dismantling of brick masonry in C/S mortor.	2078	3500.65	%Cft	72744
8	Excavation in foundation of buildings bridges and other structure i/c dag belling dressing refilling arround the structure with excavated earth watering and ramming lead upto one chain and left upto.	3483	8727.85	o%Cft	30399
9	P/L cement concrete brick or stone ballast 1-1/2" to 2" (40mm to 50mm) gauge in foundation and plinth.(1;6;12)	336	15009.9	%Cft	50433
10	P/L cement concrete brick or stone ballast 1-1/2" to 2" (40mm to 50mm) gauge in foundation and plinth.(1;6;18)	563	13713.9	%Cft	77209
11	Pacca brick work 1;6 in foundation and plinth.	6126	25403.05	%Cft	1556191
12	P/L 1-1/2" thick damp proff course with cement sand plaster with one coat of bitumen and one coat of polythene sheet 50 gauge.	182	6679.55	%Sft	12157
13	Filling watering ramming earth under floor with surplus earth from foundation plinth.	2334	4197.6	o%Cft	9797
14	Filling watering ramming earth under floor with new earth excavated from out side lead 3-mile.	5418	15176.45	o%Cft	82226
15	P/L R.C.C ( 1;2;4) without shuttering.	1234	418.48	P-Cft	516404
16	Pacca brick work ( 1;6) in Ground floor.	6383	27192.95	%Cft	1735726



17	Pacca brick work ( 1;4) in Ground floor.	69	28359.75	%Cft	19568
18	P/L R.C.C. ( 1;2;4) i/c shuttering.	5929	539.98	P-Cft	3201541
19	Fab: of M.S reinforcement i/c cutting jointing testing laying in Positio (Deformed steel bar) grade 40	21951	25929.15	%Kg	5691708
20	Removing cement plaster i/c racking and washing of joint on old surface.	24901	896.6	%Sft	223262
21	Applying floating coat of cement 1/32" thick.	24901	1470.75	%Sft	366231
22	3/8"thick cement plaster 1;3 under the soffit of R.c.c slab.	9418	2958.9	%Sft	278669
23	1/2" thick cement plaster ( 1;5) upto 20' hight.	24818	2493.6	%Sft	618862
24	1/2" thick cement plaster ( 1;4) upto 20' hight.	12813	2595.85	%Sft	332606
25	Sand filling of sand under floor.	31051	2863.2	%Cft	889052
26	P/L brick or stone ballast 1-1/2" to 2" gauge gauge with 25% sand mixed.	3320	6091.3	%Cft	202231
27	P/L <b>2"thick</b> mosaic flooring , consisting of 1/2" mosaic topping of one part of cement and marble powder in the ratio (3:1) and two parts of marble chips laid over 1"thick floor of (1:2:4) cement concrete i/c rubbing and polishing.	2322	16904.75	%Sft	392528
28	P/L cement concree ( 1;2;4) i/c plain etc.	749	35789.37	%Cft	268062
29	Providing and laying superb quality Ceramic <b>tile floors</b> of Master brand of specified size,Glossy /Matt /Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4 "thick(1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect sand as approved and directed by the E.I. (24"x12")	513	202.8	P-Sft	104036
30	Providing and laying superb quality Porcelain glazed <b>tiles flooring</b> 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 seale for finishing the joints i/ c cutting grinding complete inall respect as approved and directed by the Engineer Incharge. (Full Body Glazed tile 600 mm x 600mm) size 24 " x 24".	5475	302.3	P-Sft	1655093
31	Providing and laying superb quality Ceramic <b>tiles dado</b> of Master brand of specified size,Glossy /Matt /Texture skirting/ dado of approved Colorand Shade with adhesive bond over1/2"thick(1:2)cement plasteri/ cthecos to fsealer for finishing the jointsi/cutting grinding complete in all respects as approved and directed by the Engineer Incharge (24"x12")	14643	209.7	P-Sft	3070637
32	P/L 1/2" thick mosaic Skirting with using grey cement and marble powder in the ratio (3:1) and two parts of marble chips laid over 1" thick floor of (1:2:4) cement concrete i/c rubbing and polishing.	126	16642.25	%Sft	20969




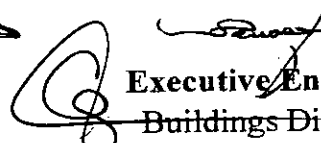
33	P/F of aluminium door with openable glazed anodized bronze colour aluminium door using deluxe section of M/s Al-Cop or Pakstand cables having chowkat frame of size 1-1/2"x4" and leaf frame of 2-1/2"x1-1/2" wide section i/c cost of imported tinted glass with aluminium triangular gola and rubber gasket to support the glass wide long handle etc as approved by the Engineer incharge.	935	716.5	P-Sft	669928
34	P/F Collapsible gate made of 2"x2"x1/4" T-iron at top and bottom channel iron verticals 3/4"x1/4"x1/4"x1/8" at 3" to 5" center to center (approximate) and flat iron crosses 3"x3/16" and best quality rollers at crosses 3"x3/16" and best quality rollers at bottom of 3" diameter i/c hold fast.	180	1336.6	P-Sft	240588
35	P/F all types of glazed aluminiums windows of anodized bronze colour partly fixed and partly sliding using deluxe section of approved manufacturer having frame of size 100mm x 20mm using frame leaf frame of sections of 50mm x20mm, all of 1.6mm thickness i/c 5mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc complete	1344	606.5	P-Sft	815136
II	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	672	688.35	P-Sft	462571
36	P/F of P.V.C door 1-1/2" thick i/c chowkat of required size complete in all respect as approved by the Engineer incharge.	228	750	P-Sft	171000
37	P/F auto matic moveable machine fixed in floor for aluminium swing door as approved by the Engineer incharge.	6.	30000	Each	180000
38	P/L single layer of tiles 9"x4-1/2"x1-1/2" laid over 4" earth and 1" mud plaster without bhoosa grouted with cement sand (1:3) on top of R.C.C. Roof slab provided with bitumen coating and polythene sheet 500 gage.	10748	9953.3	%Sft	1069781
39	P/L top khura on roof size 2'x2'x6".	20	680	Each	13600
40	P/F P.V.C/U PVC pipe 4" dia "B-Class" for rain water down pipe i/c fixing with heavy clump i/c nail etc complete in all respect.	290	382.7	P-Rft	110983
41	P/L 1-1/2" <b>thick</b> conglomerate flooring two coat work with top layer of 1/2" thick wearing surface consisting of one part of cement & two part of stone chips passing 3/16" sieve over bottom layer of C.C (1:3:6) including surface finishing and rubbing w/out polishing.	3165	8367.95	%Sft	264846



42	P/F marble strip of any shade for dividing the mosaic flooring into panels size 3/8" thick and 1-1/2" wide.	3292	15.85	P-Rft	52178
43	Preparing surface and painting with emulsion paint on new surface 3-coat.	34236	2553.15	%Sft	874096
44	Preparing surface and painting with emulsion paint on new surface 2-coat.	10775	1781.95	%Sft	192005
45	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/Shelves/Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. (China Verona for Counters/Kitchen/Ventry)	67	369.4	P-Sft	24750
46	P/F door closer of best quality as approved by the Engineer incharge.	20	6000	Each	120000
47	P/F C.P. elbow action / Surgical mixture of best quality for O.T wash area as approved by the Engineer incharge.	3	25000	Each	75000
48	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 MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (3/8" sq bars)	1344	647.7	P-Sft	870509
		Total=			28414150

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh

  
Executive Engineer,  
Buildings Division  
Narowal.



1

(18)

# AMMENDED ROUGH COST ESTIMATE FOR THE WORK "UPLIFTING OF OLD BUILDING " AT. TEHSIL HEADQUARTER HOSPITAL SHAKARGARH.

( MAIN BUILDING )

1	Removing door with chowkat.	43	Nos
2	-do- windows..	80	Nos
3	-do- ventilator.	10	Nos
4	Dismantling brick or flaged flooring with out concrete foundation.		
	Left	4492	Cft
	Block	18	Cft
	1x145-3/4x30-7/8	261	Cft
	1x2x8-3/4	207	Cft
	1x31-1/8x8-3/8	201	Cft
	1x25-7/8x8	504	Cft
	1x25-1/8x8	88	Cft
	1x21-1/8x23-7/8	748	Cft
	Middle block.	694	Cft
	1x8-3/8x10-1/2	122	Cft
	1x20-1/2x36-1/2	1893	Cft
	1x20-1/2x33-7/8	473	Cft
	1x11x11-1/8	231	Cft
	Right. Block		
	1x55-7/8x33-7/8		
	1x19-1/8x24-3/4		
	Toilet. block.		
	1x20-1/2x11-1/4		
	<b>Total</b>	<b>9932</b>	<b>cft</b>
5	Rehandling of earth with one throw of kassi.		
	Take 1/2 of qty item No.4.= 1/2x9932	3307	Cft
6	Dismantling of cement concrete reinforced separating reinforcement from cncrete,cleaning and straighting the same.		
	Middle block	66	Cft
	1x10-5/8x15x5/12	346	Cft
	1x2-1/4x39-1/8x5/12	345	Cft
	1x22-3/4x36-1/2x5/12	87	Cft
	1x15-1/2x13-1/2x5/12	38	Cft
	1x8x11-1/2x5/12	44	Cft
	1x8x13-1/4x5/12	810	Cft
	Right block	207	Cft
	1x56-1/4x34-5/8x5/12	44	Cft
	1x19-1/2x25-1/2x5/12	948	Cft
	O.T Beam	130	Cft
	2x2x19-1/2x3/4x3/4	76	Cft
	Stor beam	107	Cft
	4x2x101-1/2x3/4x1-1/4	106	Cft
	Toilet block	169	Cft
	1x25x12-1/2x5/12	11	Cft
	batten	91	Cft
	30x13-1/2x1/4x3/4	21	Cft
	"	208	Cft
	2x30x9-1/2x1/4x3/4	30	Cft
	"	89	Cft
	2x21x13-1/2x1/4x3/4	89	Cft
	"	36	Cft
	2x21x21-1/2x1/4x3/4	35	Cft
	"		
	8x7-1/2x1/4x3/4		
	"		
	3x12x13-1/2x1/4x3/4		
	"		
	12x9-1/2x1/4x3/4		
	"		
	117x9-1/2x1/4x3/4		
	"		
	17x9-1/2x1/4x3/4		
	"		
	50x9-1/2x1/4x3/4		
	"		
	2x25x9-1/2x1/4x3/4		
	"		
	20x9-1/2x1/4x3/4		
	"		
	14x13-1/2x1/4x3/4		
	<b>Total</b>	<b>4133</b>	<b>Cft</b>



7 Dismantling of brick masonry in C/S mortar

Right block			
Store wall	3x24x3/4x12	648	cft
V.wall	1x57-1/4x1-1/8x12	773	cft
O.T	1x18x3/4x12	162	cft
	1x10x3/4x12	90	cft
Ver	2x8x3/4x9	108	cft
	1x8x3/4x9	54	cft
	1x8x3/4x12	72	cft
	1x19x3/4x12	171	cft
Total		2078	cft

8 Excavation in foundation of buildings bridges and other structure i/c. dag belling dressing refilling around the structure with excavated earth watering and ramming lead upto one chain and left upto 5'.

V/wall	2x14-5/16x4x4	458	Cft	)
H/wall	2x9/16x4x4	18	Cft	)
Recovery room	1x21-3/4x4x4	348	Cft	)
"	2x8x4x4	256	Cft	Mark A.=1792-cft
Nursing office	3x9-1/2x4x4	456	Cft	)
Surgen toilet.	2x8x4x4	256	Cft	)
P.P.Toewall.	11x137-3/4x1-1/2x1-1/2	310	Cft	)
Left wing	11x127-5/8x1-1/2x1-1/2	287	Cft	)
Rolad side	1x38-1/8x1-1/2x1-1/2	86	Cft	)
"	1x15-3/4x1-1/2x1-1/2	35	Cft	)
Middle block O T	2x40-1/8x1-1/2x1-1/2	181	Cft	)
B.side	2x28-7/3x1-1/2x1-1/2	130	Cft	Mark B.=1691-Cft
"	2x9-5/8x1-1/2x1-1/2	43	Cft	)
"	1x26x1-1/2x1-1/2	59	Cft	)
R/side wing	1x19-3/4x11-1/2x1-1/2	44	Cft	)
"	1x58-1/2x1-1/2x1-1/2	132	Cft	)
"	1x83x1-1/2x1-1/2	187	Cft	)
"	1x40x1-1/2x1-1/2	90	Cft	)
"	1x47-3/8x1-1/2x1-1/2	107	Cft	)
Total		3483	Cft	Cft

9 P/L cement concrete brick or stone ballast 1-1/2" to 2" (40mm to 50mm) gauge in foundation and plinth.(1;6;12)

3/16 of same qty item No.8 Mark.A.  
3/16x1792 336 Cft

10 P/L cement concrete brick or stone ballast 1-1/2" to 2" (40mm to 50mm) gauge in foundation and plinth.(1;6;18)

1/3 of same qty item No.8 Mark.B  
1/3x1691 563 Cft

11 Pacca brick work 1;6 in foundation and lplinth.

V/wall	2x13x2-1/4x1/4	15	cft
	2x12-5/8x1-7/8x1/4	12	cft
	2x12-1/4x1-1/2x1/4	9	cft
	2x11-7/8x1-1/8x8-1/2	227	cft
H/Wall	2x7/8x2-1/4x1/4	1	cft
	2x1-1/4x1-7/8x1/4	1	cft
	2x1-5/8x1-1/2x1/2	1	cft
	2x2x1-1/8x8-1/2	38	cft
	1x20-5/8x4-7/8x1/4	10	cft



Main O,T	1x21x1-1/2x1/4	8	cft
	1x21-3/8x1-1/8x1/3	6	cft
	11x21-3/4x3/4x8-1/2	139	cft
Sugrgen toilet.	2x2x8x2-1/4x1/6	18	cft
	2x2x8x1-7/8x1/4	15	cft
	2x27x1-1/2x1/4	12	cft
	2x2x8x1-1/8x8-1/2	306	cft
Nursing/D.Office	3x9-1/2x2-1/4x1/4	16	cft
	3x9-1/2x1-7/8x1/4	13	cft
	3x9-1/2x1-1/2x1/4	11	cft
	3x9-1/2x1-1/8x8-1/2	273	cft
W5	12x6-3/4x1-1/8x4	365	cft
W6	7x7-1/2x1-1/8x4	236	cft
W7	5x7-3/4x1-1/8x4	174	cft
W8	1x6-1/4x1-1/8x4	28	cft
w9	2x5-1/2x1-1/8x4	50	cft
P.P.Toewall	1x137x1-1/8x5	771	cft
	1x126-7/8x1-1/8x5	714	cft
	1x38-1/8x1-1/8x5	214	cft
M.O.T.Block	2x40-1/8x1-1/8x5	451	cft
	2x26-1/8x1-1/8x5	294	cft
	2x11-7/8x1-1/8x5	134	cft
	1x23x1-1/8x5	129	cft
Right wing	1x19-3/4x1-1/8x5	111	cft
"	1x56-5/8x1-1/8x5	319	cft
"	1x84-1/2x1-1/8x5	475	cft
"	1x40x1-1/8x5	225	cft
"	1x54-1/4x1-1/8x5	305	cft
<b>Total</b>		<b>6126</b>	<b>cft</b>

- 12 P/L 1-1/2" thick damp proff course with cement sand plaster with one coat of bitumen and one coat of polythene sheet 50. gauge.

Auto Clave wall	2x2x11-7/8x1-1/8	53	sft
"	3x2x2x1-1/8	9	sft
Recovery room	1x21-3/4x3/4	16	sft
Surgen toilet	4x2x8x1-1/8	72	sft
Nursing/Dentgor	3x9-1/2x1-1/8	32	sft
<b>Total</b>		<b>182</b>	<b>sft</b>

- 13 Filling watering ramming earth under floor with surplus earth from foundation plinth.

Take 2/3 of item No.8 = 2/3x3483 **2334 Cft**

- 14 Filling watering ramming earth under floor with new earth excavated from out side lead 3-mile.

Plinth projection	1x139-7/8x2-7/8x3-1/2	1407	Cft
Left wing.	1x129-3/4x2-7/8x3-1/2	1306	Cft
	1x38x2-7/8x3-1/2	382	Cft
	1x32-3/8x2-7/8x3-1/2	326	Cft
Middle back	2x41-1/4x2-7/8x3-1/2	830	Cft
"	1x82-1/14x2-7/8x3-1/2	828	Cft
"	1x34-1/4x2-7/8x3-1/2	345	Cft
"	1x50-7/8x2-7/8x3-1/2	511	Cft
<b>Total</b>		<b>7752</b>	<b>Cft</b>

**Deduction**

Same qty item No.13.

	(-)2334	cft
<b>Total</b>	<b>5418</b>	<b>Cft</b>



## 15 P/L R.C.C ( 1;2;4) without shuttering.

Lintle beam	1x137x1-1/8x3/4	116	Cft
H/Wall	1x148-3/4x1-1/8x3/4	125	Cft
"	1x125-3/4x1-1/8x3/4	106	Cft
"	2x8x3/4x3/4	9	Cft
"	1x12x3/4x3/4	7	Cft
"	1x8x3/4x3/4	5	Cft
"	1x37-7/8x3/4x3/4	21	Cft
"	2x10-1/2x3/4x3/4	12	Cft
Middle block	1x17-1/4x1-1/8x3/4	15	Cft
"	1x68-3/4x1-1/8x3/4	58	Cft
"	3x28x3/4x3/4	47	Cft
"	1x8x3/4x3/4	5	Cft
Right block	1x13-7/8x3/4x3/4	8	Cft
"	1x43-3/8x1-1/8x3/4	24	Cft
"	2x34-3/8x1-1/8x3/4	58	Cft
"	2x28-1/4x1-1/8x3/4	48	Cft
Left block V.wall	1x8x3/4x3/4	5	Cft
"	2x30-1/8x1-1/8x3/4	51	Cft
"	2x30-1/8x3/4x3/4	34	Cft
"	5x21x3/4x3/4	59	Cft
"	1x12x3/4x3/4	7	Cft
"	1x8-1/4x1-1/8x3/4	7	Cft
Middle block	1x64-1/2x1-1/8x3/4	54	Cft
"	1x23-5/8x1-1/8x3/4	20	Cft
"	1x42x1-1/8x3/4	34	Cft
"	1x33-7/8x1-1/8x3/4	29	Cft
"	1x22-1/2x3/4x3/4	13	Cft
"	1x18x3/4x3/4	10	Cft
"	1x41-3/8x1-1/8x3/4	35	Cft
Right block	2x23-1/8x1-1/8x3/4	39	Cft
"	1x14x3/4x3/4	8	Cft
"	1x74-1/4x1-1/8x3/4	63	Cft
"	1x56x1-1/8x3/4	47	Cft
Bed plate store	12x3x1-1/8x3/4	30	Cft
O.T.	10x3x1-1/8x3/4	25	Cft
Total		1234	Cft

## 16 Pacca brick work ( 1;6) in Ground floor.

left block H.wall.	1x137x1-1/8x4	617	Cft
"	3x8x3/4x4	72	Cft
"	1x12x3/4x4	36	Cft
"	1x24-3/4x3/4x4	74	Cft
"	1x74-1/2x1-1/8x4	335	Cft
"	1x12x3/4x4	36	Cft
"	1x22-5/8x1-1/8x4	102	Cft
"	1x3-3/4x1-1/8x4	143	Cft
Middle block	1x97-1/2x1-1/8x12	1316	Cft
"	1x17-1/4x1-1/8x4	78	Cft
"	1x68-3/4x1-1/8x4	309	Cft
"	1x8x3/4x4	24	Cft
"	3x28x3/4x4	252	Cft
"	1x13-7/8x3/4x12	125	Cft
"	2x5x3/4x12	90	Cft
Right block H.wall	3x9-1/2x3/4x12	257	Cft
"	2x34-1/4x1-1/8x4	308	Cft
"	1x43-3/8x1-1/8x12	586	Cft
"	1x21-1/8x1-1/8x4	96	Cft





	1x23-3/8x1-1/8x4	105	Cft
	2x30-1/8x1-1/8x4	271	Cft
Left block V.wall.	2x30-1/8x3/4x4	18	Cft
	4x21x3/4x4	252	Cft
	1x8-1/4x1-1/8x4	37	Cft
	1x12x3/4x4	36	Cft
	1x21x1-1/8x4	95	Cft
	1x63-3/8x1-1/8x4	285	Cft
	1x22-1/2x1-1/8x4	101	Cft
	1x5x3/4x12	45	Cft
	3x40-7/8x1-1/8x4	552	Cft
	1x18x1-1/8x4	81	Cft
	1x21-3/4x3/4x4	65	Cft
Left block V.wall.	1x74-1/4x1-1/8x4	334	Cft
	1x56x1-1/8x12	756	Cft
	2x23-1/8x1-1/8x4	208	Cft
	1x14x3/4x4	42	Cft
P.P.H/Wall	1x137-3/4x3/4x1-1/2	155	Cft
H/wall	1x128-7/8x3/4x1-1/2	145	Cft
	1x17-1/4x3/4x1-1/2	19	Cft
	2x26-1/2x3/4x1-1/2	60	Cft
	1x65-1/4x3/4x1-1/2	73	Cft
	1x34-7/8x3/4x1-1/2	39	Cft
	2x34-3/8x3/4x1-1/2	77	Cft
	1x123-4x3/4x1-1/2	14	Cft
V.wall	1x30-7/8x3/4x1-1/2	35	Cft
	1x41-5/8x3/4x1-1/2	47	Cft
	2x11-1/4x3/4x1-1/2	25	Cft
	1x23-5/8x3/4x1-1/2	27	Cft
	1x34-1/4x3/4x1-1/2	39	Cft
	1x57-1/8x3/4x1-1/2	64	Cft
	1x72-3/4x3/4x1-1/2	82	Cft
	1x16-1/4x3/4x1-1/2	18	Cft
	2x15x1-1/8x6	203	Cft
	<b>Total</b>	<b>9424</b>	<b>cft</b>

Deduction

	Same qty item No.15	1234	Cft
	Same qty item No.17-mark B.	386	Cft
D1	7x3-1/2x1-1/8x4	110	Cft
D2	18x3x3/4x4	162	Cft
w1	19x2-1/2x1-1/8x4	214	Cft
w2	15x4x1-1/8x4	270	Cft
W4	2x4x1-1/8x6	54	Cft
W5	12x6-3/4x1-1/8x4-1/2	410	Cft
Vi	7x6x1-1/8x2	95	Cft
w6	3x7x1-1/8x4-1/2	106	Cft
	<b>Total</b>	<b>3041</b>	<b>Cft</b>
	<b>Net. 9424 - 3041</b>	<b>6383</b>	<b>Cft</b>

17 Pacca brick work ( 1:4) in Ground floor.

G.Bath room	1x12x3/8x7	32	Cft
	2x4-1/2x3/8x7	24	Cft
	1x8-1/4x3/8x7	22	Cft
	2x4-1/2x3/8x7	24	Cft
	<b>Total</b>	<b>102</b>	<b>Cft</b>
D/d	5x2-1/2x3/8x7	(-33)	
	<b>Total</b>	<b>69</b>	<b>Cft</b>



## 18 P/L R.C.C. (1;2;4) i/c shuttering.

Left block	1x157-1/4x32-3/8x5/12	2118	Cft
Beam	2x42-5/8x3/4x1-1/2	80	Cft
Middle block	1x17-1/4x12x5/12	86	Cft
Main .O.T	1x68-3/4x42-3/4x5/12	1223	Cft
Beam	5x20-1/4x3/4x1-1/2	114	Cft
R/block	1x34-3/8x76-1/2x1/2	1314	Cft
	1x18x25-3/8x5/12	190	Cft
	1x16-1/4x10-1/4x5/12	69	Cft
Beam	4x34-1/4x1x2	274	Cft
Scrub	1x10-3/4x1/2x9	48	Cft
"	2x3x1/2x9	27	Cft
		20	Cft
D1	8x4-1/2x1-1/8x1/2	3	Cft
D2	2x4x3/4x1/2	5	Cft
D3	4x3-1/2x3/4x1/2	20	Cft
D4	9x4x1-1/8x1/2	17	Cft
D5	5x6x1-1/8x3/6	25	Cft
D6	4x7-1/2x1-1/8x3/4	3	Cft
	1x4x3/4x1/2	5	Cft
	2x4x1-1/8x1/2	10	Cft
D10	1x4-1/2x1-1/8x1/2	14	Cft
	2x8-1/2x1-1/8x3/4	14	Cft
	1x12-1/8x1-1/8x1	30	Cft
W1	15x3-1/2x1-1/8x1/2	53	Cft
W2	19x5x1-1/8x1/2	4	Cft
W3	2x3-1/2x4-1/8x1/2	84	Cft
W5	12x8-1/4x1-1/8x3/4	14	Cft
W6	2x8-1/2x1-1/8x3/4	14	Cft
	2x8-1/2x1-1/8x3/4	7	Cft
	1x8-1/2x1-1/8x3/4	44	Cft
	7x7-1/2x1-1/8x3/4		
Total		5929	Cft

19 Fab: of M.S reinforcement i/c cutting jointing testing laying in Position  
(Deformed steel bar)

Same qty item No.I.B

5929x6.75x.454

18169 kg

Same qty item No.15

1234x6.75x.454

2782 kg

Total 21951 Kg

## 20 Removing cement plaster i/c racking and washing of joint on old surface.

Left wing	1x2(12x15)x8	432	Sft
T.V clenic	1x2(12+16)x8	416	Sft
Bath	2x2(8+6-1/4)x8	456	Sft
Store	1x2(8+16-1/4)x8	388	Sft
"	1x2(8+7-7/8)x8	254	Sft
Entrane	1x2(8+23-1/2)x8	504	Sft
G.bath	1x2(12+21)x8	528	Sft
Ward	1x2(12+21)x8	528	Sft
"	2x2(20+21)x8	1312	Sft
N.rc/m	1x2(12+12)x8	384	Sft
Bath	1x2(6+8-1/4)x8	228	Sft
D.room	1x2(12+12)x8	384	Sft
"	1x2(12+12)x8	384	Sft
"	1x2(12+8-1/4)x8	324	Sft
Ver	2x9-3/8x8	150	Sft



"	1x17-5/8x8	141	Sft
"	1x115x8	920	Sft
"	1x115x5	575	Sft
"	1x8x5	40	Sft
	1x2x5	10	Sft
Middle block	1x2(28+18)x8	736	Sft
Auto clave	1x2(15-10-3/4)x8	412	Sft
Scurb up	1x2(8+10-1/2)x8	296	Sft
O.T	1x2(19+18)x8	592	Sft
Store	1x2(8+18)x8	416	Sft
R.Room	1x2(13-3/4+21-3/4)x8	568	Sft
M.O.	1x2(13-1/4+14)x8	436	Sft
Cooridor	1x2(29-5/8+8)x8	602	Sft
Surgen officde	1x2(19+10)x8	464	Sft
Toilet	1x2(8+10)x8	288	Sft
W.Area	1x2(37+11)x8	768	Sft
Core:	1x2(32-1/4+8)x8	484	Sft
Right wing	1x2(32+74-3/4)x8	1708	Sft
Office	1x2(12+14)x8	416	Sft
Toilet	1x2(8+7-1/2)x8	248	Sft
Entr:	1x2(8+5-3/8)x8	214	Sft
Cor:	1x2(8+21-1/8)+8	466	Sft
"	1x2(8+10-7/8)x8	302	Sft
O/side wall L.W	1x137x10	1370	Sft
"	1x32-3/8x10	324	Sft
	1x126-7/8x10	1269	Sft
Middle block	2x42x10	840	Sft
	1x60-5/8x10	606	Sft
	2x11-7/8x10	238	Sft
Right.wing	1x45x10	450	Sft
"	1x56-5/8x10	566	Sft
"	1x34-1/4x10	343	Sft
"	1x77x10	770	Sft
"	1x25-1/8x10	251	Sft
"	1x6-1/2x10	65	Sft
"	1x23-3/8x10	234	Sft
"	1x16-1/4x10	163	Sft
<b>Total</b>		<b>24901</b>	<b>sft</b>

21 Applying floating coat of cement 1/32" thick.

Same qty item N o.20.

24901 Sft

22 3/8" thick cement plaster 1;3 under the soffit of R.c.c slab.

Right wing			
T.V c lenic	1x12x14	168	Sft
"	1x12x15	180	Sft
Bath	2x8x6-3/4	108	Sft
Store	1x8x15-1/4	122	Sft
"	1x8x7-3/4	62	Sft
Entr:	1x8x23-3/4	190	Sft
G.bath	2x12x21	504	Sft
Ward	2x20x21	840	Sft
N.Office	3x12x12	432	Sft
D/office	1x12x8-3/4	105	Sft
Bath	1x6x8-3/4	53	Sft
N.office	1x17-3/4x9-7/8	175	Sft
Core:	1x125-1/2x8	1004	Sft
M.block/A.Clave	1x15x10-3/4	161	Sft



O.T	1x28x18	504	Sft
"	1x19x18	342	Sft
Store	1x8x18	144	Sft
Scurb up	1x8x10-1/2	84	Sft
Core;	1x29-5/8x8	237	Sft
S.Office	1x19x10	190	Sft
Toilet	1x8x10-1/2	80	Sft
W.area	1x37x11	407	Sft
M.O.	1x13-3/4x14	193	Sft
R.Room	1x13-3/4x21-3/6	299	Sft
"	1x13-3/4x7	96	Sft
N.Office	2x9-1/2x10-3/4	284	Sft
E.core:	1x8x23-3/8	187	Sft
R.wing	1x24x19-1/8	459	Sft
Office	1x12x16	168	Sft
Toilet	1x8x7-1/2	60	Sft
Entr	1x8x5-3/8	43	Sft
Core"	1x8x21-1/8	169	Sft
"	1x8x10-7/8	83	Sft
Total		8310	Sft

B	Beam	304	Sft
	M.OT	256	Sft
	Ward	548	Sft
	Store		
Total		1108	Sft
		9418	Sft

A+B + 8310 + 11108

23	1/2" thick cement plaster ( 1;5) upto 20' hight.		
	Left wing	364	Sft
	T/V clernic "	378	Sft
	Bath	295	Sft
	Store	326	Sft
	"	221	Sft
	Entr	445	Sft
	G.bath	330	Sft
	Ward	462	Sft
	"	1148	Sft
	N.Office/D	1008	Sft
	"	291	Sft
	Bath	207	Sft
	Entr	138	Sft
	core:	1869	Sft
	Middle block	361	Sft
	A.Clave	364	Sft
	Store	406	Sft
	Scrub up.	247	Sft
	S.Office	406	Sft
	Toilet	180	Sft
	Wating area	6702	Sft
	Entr/Ver	284	Sft
	N.Office/D	567	Sft
	core:	439	Sft
	Right wing	2013	Sft
	Store	992	Sft
	"	364	Sft
	"	155	Sft
	Entr:	187	Sft
	Toilet	408	Sft
	Coredor	264	Sft
Total		24818	Sft





## 24 1/2" thick cement plaster ( 1;4) upto 20' hight.

Left wing o/side	1x137x15-7/8	2174	Sft
	1x32-3/8x15-7/8	514	Sft
	1x126-7/8x15-7/8	2013	Sft
	2x42x15-7/8	1333	Sft
M/block	1x60-1/8x15-7/8	954	Sft
	2x11-7/8x15-7/8	377	Sft
	1x45x15-7/8	714	Sft
R.wing	1x56-5/8x15-7/8	899	Sft
	1x34-1/4x15-7/8	544	Sft
	1x77x15-7/2	1222	Sft
	1x25-1/8x15-7/8	399	Sft
	1x6-1/2x15-7/8	103	Sft
	1x23-3/8x15-7/8	371	Sft
	1x16-1/4x15-7/8	258	Sft
	<b>Total</b>	<b>10775</b>	<b>Sft</b>
P.pit	1x137-3/8x2-1/4	310	Sft
"	1x156-3/4x2-1/4	354	Sft
"	1x30-7/8x2-1/4	69	Sft
"	1x23-3/4x2-1/4	53	Sft
"	1x68-1/2x2-1/4	154	Sft
"	1x41-5/8x2-1/4	94	Sft
"	1x67-7/8x2-1/4	153	Sft
"	2x12-1/4x2-1/4	55	Sft
"	1x42x2-1/4	95	Sft
Right wing	1x45x2-1/4	101	Sft
	1x30x2-1/4	68	Sft
"	1x56-1/4x2-1/4	127	Sft
"	1x32-3/4x2-1/4	74	Sft
"	1x75-3/4x2-1/4	170	Sft
"	1x25-1/2x2-1/4	57	Sft
"	1x6x2-1/4	14	Sft
"	1x24-5/8x2-1/4	55	Sft
"	1x15-1/2x2-1/4	35	Sft
	<b>Total</b>	<b>2038</b>	<b>Sft</b>
A+B	10775 + 2038	<b>12813</b>	<b>Sft</b>

## 25 Sand filling of sand under floor.

Plinth P.L.wing	3-2/3 same qty item N o.22A	30498	Cft
	1x139-7/8x2-7/8x1/4	101	Cft
	1x129-3/4x2-7/8x1/4	93	Cft
	1x38x2-7/8x1/4	27	Cft
Middle bloclck	1x32-3/8x2-7/8x1/4	23	Cft
	2x41-1/4x2-7/8x1/4	59	Cft
	2x526-1/8x2-7/8x1/4	38	Cft
	2x14-3/4x2-7/8x1/4	21	Cft
Right wing	1x17-1/4x2-7/8x1/4	12	Cft
	1x22x2-9/8x1/4	16	Cft
	1x59-1/2x2-7/8x1/4	43	Cft
	1x82-1/4x2-7/8x1/4	59	Cft
	1x34-1/4x2-7/8x1/4	25	Cft
	1x50-3/8x2-7/8x1/4	36	Cft
	<b>Total</b>	<b>31051</b>	<b>Cft</b>



- 26 P/L brick or stone ballast 1-1/2" to 2" gauge gauge with 25% sand mixed.

	same qty item No.22.A = 1/3x8310	2767	Cft
Plinth P.L.wing	1x139-7/8x2-7/8x1/4	101	Cft
	1x129-3/4x2-7/8x1/4	93	Cft
	1x38x2-7/8x1/4	27	Cft
	1x32-3/8x2-7/8x1/4	23	Cft
Middle bloek	2x41-1/4x2-7/8x1/4	59	Cft
	2x26-1/8x2-7/8x1/4	38	Cft
	2x14-3/4x2-7/8x1/4	21	Cft
	1x17-1/4x2-7/8x1/6	12	Cft
Right wing	1x22x2-7/8x1/4	16	Cft
	1x59-1/2x2-7/8x1/4	43	Cft
	1x82-1/4x2-7/8x1/4	59	Cft
	1x34-1/4x2-7/8x1/6	25	Cft
	1x50-3/8x2-7/8x1/4	36	Cft
Total		3320	Cft

- 27 P/L 2" thick mosaic flooring, consisting of 1/2" mosaic topping of one part of cement and marble powder in the ratio (3:1) and two parts of marble chips laid over 1" thick floor of (1:2:4) cement concrete i/c rubbing and polishing.

Right wing store	1x32x55-1/2	1776	Sft
"	1x24x19-1/8	459	Sft
Core	1x8x10-7/8	87	Sft
Total		2322	sft

- 28 P/L cement concrete (1:2:4) i/c plain etc.

	1/8 of same qty item No.22-A = 1/8x8310	1039	Cft
D/d	1/8 of same qty item No.27 = 1/8x2322	(-)290	
Total		749	Cft

- 29 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy /Matt /Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4 "thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect sand as approved and directed by the E.I. (24"x12")

Left wing block	2x8x6-3/4		
G.bath	1x12x21	108	Sft
Bath	1x6x8-3/4	252	Sft
Surgen bath	1x8x5	53	Sft
M.O.Bath.	1x8x7-1/2	40	Sft
		60	Sft
Total		513	Sft

- 30 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/ bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Full Body Glazed tile 600 mm x 600mm) size 24 " x 24".

Same qty item No.2.A.	8310	Sft
-----------------------	------	-----



Deduction.

Same qty item No.27.  
Same qty item No.29.

2322	Sft
513	
<b>Total 2835</b>	<b>Sft</b>

Net. 8310 - 285

5475 Sft

- 31 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy /Matt /Texture skirting/ dado of approved Colorand Shade with adhesive bond over 1/2" thick (1:2) cement plaster/ ethecos to fsealer for finishing the joints/cutting grinding complete in all respects as approved and directed by the Engineer Incharge (24"x12")

Left wing		270	Sft
T.v clenic	1x2(12+15)x5	260	Sft
"	1x2(12+14)x5	399	Sft
Bath	2x2(8+6-1/4)x7	243	Sft
Store	1x2(8+16-1/4)x5	159	Sft
"	1x2(8+7-7/8)x5	315	Sft
Entr:	1x2(8+23-1/2)x5	462	Sft
G.bath	1x2(12+21)x7	252	Sft
P.Wall	4x2x4-1/2x7	168	Sft
"	1x2x12x7	123	Sft
"	142x8-3/4x7	330	Sft
Ward	1x2(12+21)x5	820	Sft
"	2x2(20+21)x5	720	Sft
N.Room	3x2(12+12)x5	203	Sft
D.room	1x2(12+8-1/4)x5	200	Sft
B.room	1x2(6+8-1/4)x7	422	Sft
V.Wall	9x9-3/8x5	38	Sft
"	1x7-5/8x5	1230	Sft
Core	1x2(115+8)x5	80	Sft
"	2x8x5	1104	Sft
Middle block OT	1x2(28+18)x12	888	Sft
O.T	1x2(19+18)x12	258	Sft
A.clabve	1x2(15+10-3/4)x5	444	Sft
Scrub up	1x2(8+10-1/2)x7	126	Sft
Scrub up	1x2x10-1/2x6	36	Sft
	1x2x3x6	260	Sft
Store	1x2(18+8)x5	852	Sft
R.room	1x2(13-3/4+21-3/4)x12	852	Sft
M.O	1x2(13-3/4+21-3/4)x12	303	Sft
Core	1x2(22-1/4+8)x5	374	Sft
"	1x2(29-3/8+8)x5	290	Sft
S.office	1x2(19+10)x5	130	Sft
"	1x2(8+5)x5	480	Sft
Wating are	1x2(37+11)x5	303	Sft
Entr:Core	1x2(22-1/4+8)x5	405	Sft
D/N/Office	2x2(9-1/2+10-3/4)x5	260	Sft
Right wing	1x2(12+14)x5	155	Sft
Tolilet	1x2(8+7-1/2)x5	134	Sft
Entr	1x2(8+5-3/8)x5	295	Sft
Core:	1x2(8+21-1/8)x5		
<b>Total</b>		<b>14643</b>	<b>Sft</b>



- 32 P/L 1/2" thick mosaic Skirting with using grey cement and marble powder in the ratio (3:1) and two parts of marble chips laid over 1" thick floor of (1:2:4) cement concrete i/c rubbing and polishing.

Right wing store	1x2(32+74-3/4)7-1/2	107	Sft
"	1x2(8+10-7/8)x1/2	19	Sft
Total		126	sft

- 33 P/F of aluminium door with openable glazed anodized bronze colour aluminium door using deluxe section of M/s Al-Cop or Pakistand cables having chowkat frame of size 1-1/2"x4" and leaf frame of 2-1/2"x1-1/2" wide section i/c cost of imported tinted glass with aluminium triangular gola and rubber gasket to support the glass wide long handle etc as approved by the Engineer incharge.

M.Door1	1x7x9	63	Sft
" 2	1x8x12	96	Sft
D1	2x3-1/2x9	63	Sft
D2	1x3x9	27	Sft
D4	8x3x7	168	Sft
D5	6x4-1/2x9	243	Sft
D6	4x6x9	216	Sft
D9	1x3x9	27	Sft
D10	1x3-1/2x9	32	Sft
Total		935	Sft

- 34 P/F Collapsible gate made of 2"x2"x1/4" T-iron at top and bottom channel iron verticals 3/4"x1/4"x1/4"x1/8" at 3" to 5" center to center (approximate) and flat iron crosses 3"x3/16" and best quality rollers at crosses 3"x3/16" and best quality rollers at bottom of 3" diameter i/c hold fast.

D5	3x6x10	180	Sft
----	--------	-----	-----

- 35 P/F all types of glazed aluminiums windows of anodized bronze colour partly fixed and partly sliding using deluxe section of approved manufacturer having frame of size 100mm x 20mm using frame leaf frame of sections of 50mm x 20mm, all of 1.6mm thickness i/c 5mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc complete

W1	19x2-1/2x6	285	Sft
W2	17x4x6	408	Sft
W3	3x2-1/2x4-1/2	34	Sft
w5	12x6-3/4x4-1/2	365	Sft
W6	2x7x4-1/2	63	Sft
	1x7x9	63	Sft
	1x7x6	42	Sft
	7x6x2	84	Sft
Total		1344	Sft

- ii Providing and fixing Aluminum Flys creencomprising of Fiber/Aluminum wireguaze(Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cos to hardware as approved and directed by the engineer in charge. complete in all respect.





- 36 P/F of P.V.C door 1-1/2" thick i/c chowkat of required size complete in all respect as approved by the Engineer incharge.

D3 13x2-1/2x7 228 Sft

- 37 P/F auto matic moveable machine fixed in floor for aluminium swing door as approved by the Engineer incharge.

6 No

- 38 P/L single layer of tiles 9"x4-1/2"x1-1/2" laid over 4"earth and 1"mud plaster without bhoosa grouted with cement sand (1:3) on top of R.C.C. Roof slab provided with bitumen coating and polythene sheet 500 guge.

Left wing	1x157-1/2x30-7/8	4863	Sft
M.block	1x15-3/4x12-1/4	193	Sft
"	1x67-1/8x41-5/8	2794	Sft
"	1x21x8-3/4	184	Sft
Right wing	1x75-3/4x32-3/4	2481	Sft
"	1x23-7/8x13-1/8	313	Sft
	<b>Total</b>	<b>10828</b>	<b>Sft</b>

D/d	20x2x2	(-)80	Sft
	<b>Total</b>	<b>10748</b>	<b>Sft</b>

- 39 P/L top khura on roof size 2'x2'x6". 20 Nos

- 40 P/L P.V.C/ U.PVC pipe 4" dia for rain water down pipe i/c fixing with heavy clump i/c nail etc complete in all respect.

Parnala 20x14-1/2 290 Rft

- 41 P/L 1-1/2" thick conglomerate flooring two coat work with top layer of 1/2" thick wearing surface consisting of one part of cement & two part of stone chips passing 3/16" seive over bottom layer of C.C (1:3:6) including surface finishing and rubbing w/out polishing.

Plinth protection

Left wing	1x137x4	548	Sft
"	1x126-7/8x4	508	Sft
"	1x33x4	132	Sft
"	1x40-3/8x4	162	Sft
Middle block	2x38-3/8x4	307	Sft
"	1x76-5/8x4	307	Sft
"	2x10-7/8x4	87	Sft
Right wing	1x45x4	180	Sft
"	1x60-5/8x4	243	Sft
"	1x85x4	340	Sft
"	1x34-1/4x4	137	Sft
"	1x47-3/8x4	190	Sft
"	1x6x4	24	Sft
	<b>Total</b>	<b>3165</b>	<b>sft</b>

- 42 P/F marble strip of any shade for dividing the msoaic flooring into pannels size 3/8" thick and 1-1/2" wide.

60/100 same qty item NO.27+41

2322 + 3165 60/100

3292 Rft



- 43 Preparing surface and painting with emulsion paint on new surface 3-coat.

Same qty item No.22  
Same qty item No.23

9418	Sft
24818	Sft
<b>Total 34236</b>	<b>Sft</b>

- 44 Preparing surface and painting with emulsion paint on new surface 2-coat.

same qty item No.23.A

10775 Sft

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

Bath room 1x12x2  
" 1x10-3/4x2

24	Sft
43	Sft
<b>Total 67</b>	<b>Sft</b>

- 46 P/F door closer of best quality as approved by the Engineer incharge.

20 Nos

- 47 P/F C.P. elbow action / Surgical mixture of best quality for O.T wash area as approved by the Engineer incharge.

3 Nos

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

Same qty item No.35

1344 Sft

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh

Executive Engineer,  
Buildings Division  
Narowal.



# DETAIL OF OLD MATERIAL OF UP-LIFTING OF OLD BUILDING.

1	Unservice able tile 60 %.							
	9932 x 12x12 x60/100	21188	Nos	Rs	5500	%0No	116534	
	9x4-1/2							
2	Unservice able tile bate.40 %.							
	9932x1/8x40/100	497	Cft	Rs	3000	%cft	1490	
3	Wooden door size 3-1/2'x9'	14	Nos	Rs	2500	Each	35000	
4	-do- size 3'x9'.	1	Nos	Rs	2500	Each	2500	
5	-do- size 2-1/2'x7'.	5	Nos	Rs	850	Each	4250	
6	-do- size 3'x7'.	8	Nos	Rs	1000	Each	8000	
7	-do- size 4-1/2'x5'.	3	Nos	Rs	3500	Each	10500	
8	-do- size 6'x9'.	2	Nos	Rs	4500	"	9000	
9	M/S steel door size ( 3'x6')	3	Nos	Rs	3000	Each	9000	
10	Aluminium door size ( 3'x7')	1	Nos	Rs	2000	Each	2000	
11	-do- (3-1/2'x9') size	4	Nos	Rs	2000	Each	8000	
12	-do- (7'x9') Size .	1	Nos	Rs	2000	Each	2000	
13	-do- (8'x12') Size	1	No	Rs	6000	Each	6000	
14	M.S Collapsible gate 7'x9'. Size	1	No	Rs	10000	Each	10000	
15	Wooden window (2-1/2x6') size	18	No	Rs	750	Each	13500	
16	Wooden window (2-1/2x4-1/2') size	5	No	Rs	500	Each	2500	
17	Wooden window (4'x6') size	13	No	Rs	1500	Each	19500	
18	Wooden window (3'x6') size	9	No	Rs	850	Each	7650	
19	M.S Steel grill ( 6-1/2'x8-1/2') size.	23	Nos	Rs	1450	Each	33350	
20	Unservice able Bricks 60 %.							
	2078x1350/100x60/100	16832	Nos	Rs	6000	%0No	100992	
21	Unservice able Bates.40 %.							
	2078x1/8x40/100	837	Cft	Rs	3000	%cft	24930	
22	Rusted steel. 4134x3x.454	5631	Kg		40	P.Kg	225740	
					Total		652436	
					Say.Rs.		652400/-	

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division


Narowal. Page 125




**COMPARATIVE STATEMENT AMMENDED ROUGH COST ESTIMATE FOR THE WORK "**  
**UP-LIFTING/RENOVATION OF MORTURY "AT. TEHSIL HEAD QUARTER HOSPITAL**  
**SHAKARGARH.**

Sr. No.	Description	As per apprpved Rough Cost Estimate.	As per Ammended Rough cost Estimate.	Difference		Remarks
				Excess	Saving	
1	Main Building	1472165	1,640,579	168,414		Excess due to Change of M.R.S
2	Electric installation portion.	56700	90,720	34,020		Excess due to Change of Plinth Area Rates.
3	Public Health portion.	47628	68,607	20,979		-do-
	<b>Total</b>	<b>1576493</b>	<b>1799906</b>	<b>223413</b>		

SubEngineer.

  
**Sub Divisional Officer,**  
**Buildings Sub Division,**  
**Shakargarh.**

  
**Executive Engineer,**  
**Buildings Division**  
**Narowal.**





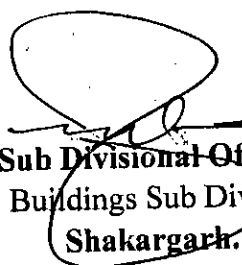
**AMMENDED ROUGH COST ESTIMATE FOR THE WORK" UP-LIFTING  
& RENOVATION OF MURTUREY AT, TEHSIL HEAD QUARTER  
HOSPITAL SHAKARGARH.**

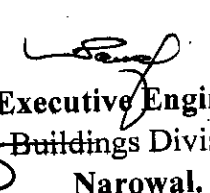
**ABSTRACT OF COST.**

1ST BI-ANNUAL 2022.

1	Main Building.	DA	1640579
2	Electric Installation Portion.	As Per Plinth Area Rate.	
	20-1/4x28	567 Sft	
	Total	567 Sft Rs 160 P.sft	90720
3	Public Health Portion	As Per Plinth Area Rate.	
	20-1/4x28	567 Sft	
	Total	567 Sft Rs 121 P.sft	68607
		Total	1799906
		Say Rs	1800000

**Sub Engineer.**

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

  
Executive Engineer,  
Buildings Division  
Narowal.



20	P/L single layer of tiles 9"x4-1/2"x1-1/2" laid over 4"earth and 1"mud plaster without bhoosa grouted with cement sand (1:3) on top of R.C.C. Roof slab provided with bitumen coating and polythene sheet.	490	9953.80	%Sft	48774
21	P/L top khura on roof.	1	680	Each	680
22	Khassi parnas ion cement sand mortor (1:2) 12"out side width finished smoothn with a floating coat of neat cement.	16	145.10	P-Rft	2322
23	Filling watering ramming earth under floor with suples earth from foundation	277	4197.60	0%Cft	1163
24	Filling watering ramming earth under floor with new earth excavated from out side lead 3-mile.	959	15176.45	0%Cft	14554
25	Supply & filling sand under floor.	200	2863.20	%Cft	5726
26	P/L watering and ramming brick ballast 1-1/2" to 2" gauge with 25%sand mixed.	200	6091.30	%Cft	12183
27	P/L P.C.C. ( 1;2;4) i/c plain etc compacting curring etc complete.	53	35789.37	%Cft	18968
28	Providing and laying superb quality Porcelain glazed tiles dado 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 seale for finishing the joints i/ c cutting grinding complete inall respect as approved and directed by the Engineer Incharge. (Full Body Glazed tile 600 mm x 600mm) size 24 " x 24".	636	302.30	P-Sft	192263
29	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/ bond over 3/4"thick(1:3) cement plaster i/c the cost of seale for finishing the joints i/ c cutting grinding complete inall respect as approved and directed by the Engineer Incharge. (Full Body Glazed tile 600 mm x 600mm) size 24 " x 24".	446	302.30	P-Sft	134826
30	P/L <u>2" thick</u> conglomerate flooring two coat work with top layer of 1/2"thick wearing surface consisting of one part of cement and two part of stone chips passing 3/16"seive over bottom layer of cement concrete ( 1 : 3 : 6 ) including surface finishing and rubbing w/out polishing.	324	8629.70	%Sft	27960
31	P/F marble strip of any shade for dividing the msoaic flooring into pannels size 3/8" thick and 1-1/2"wide.	194	15.85	P-Rft	3075
32	Applying weather sheild paint on new surface.	1488	4685.25	%Sft	69717
33	P/L Distempering 3-oat on new surface i/c preming coat of chalk.	1388	1370.85	%Sft	19027
34	P/F all types of glazed alluminiums windows of anodized bronze colour partly fixed and partly sliding using deluce section of approved manufacturer having frame of size 100mm x 20mm using frame leaf frame of sections of 50mm x20mm , all of 1.6mm thickness i/c 5mm thick imported tinted glass with rubber gasket using using approved standered lateches , hard ware etc complete	99	606.5	P-Sft	60044



ii	Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	50	688.35	P-Sft	34418
35	P/F of alminium door with openable glazed anodized bronze colour alminium door using delux section of M/s Al-Cop or Pakistand cables having chowkat frame of size 1-1/2"x4" and leaf frame of 2-1/2"x1-1/2" wide section i/c cost of imported tinted glass with allminium triangular gola and rubber gasket to support the glass wide long handle etc as approved by the Engineer incharge.	35	716.50	P-Sft	25078
36	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" 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" sq bars)	99	647.70	P-Sft	64122
37	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	46	795.15	P-Sft	36577
		Total =			1640579

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Exective Engineer  
Buildings Division  
Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK**  
**"UP - LIFTING AND REVNOVATION OF MOTURY AT**  
**T.H.Q.HOSPITAL SHAKARGARH DISTRICT NAROWAL.**

**BUILDING PORTION.**

- 1 Dismantling brick masonry in cement sand mortor.

1x13-1/2x3/4x4	41	cft
1x13-7/8x1-1/8x1/4	4	cft
1x4-1/2x3/4x4	14	cft
<b>Total</b>	<b>59</b>	<b>cft</b>

- 2 Removing door

2 No

- 3 Removing window

2 No

- 4 -do -ventilater

2 No

- 5 Dismantling of brick or flagged floor

1x18x13	234	sft
1x5-1/2x12-1/4	67	sft
<b>Total</b>	<b>301</b>	<b>sft</b>

- 6 Rehandling of earth with one throw of kassi.

1/3 of item no 51/3x301 99 cft

- 7 Dismantling of R C C

1x20-1/2x14-1/2x3/8	111	cft
1x7-3/4x12-1/4x3/8	36	cft
<b>Total</b>	<b>147</b>	<b>cft</b>

- 8 Excavation in foudation of Building in O/soil.

1x15-5/8x3x3	141	cft
1x10-7/8x3x3	98	cft
2x34-1/4x1-1/2x1	103	cft
2x24-1/4x1-1/2x1	73	cft
<b>Total</b>	<b>415</b>	<b>cft</b>

- 9 P/L brick or stone bat 1-1/2" to 2" gauge with (1;6;12) ratio.

1/4 of Mark A item No.8  
1/4x239

60 cft

- B P/L brick or stone bat 1-1/2" to 2" gauge with (1;6;18) ratio.

1/2 of Mark A item No.8

1/2x 176

88 cft

- 10 Pacca brick work (1;6) ratio in Foundation and plinth.

1x14-1/8x2-1/4x1/4	8	cft
1x13-3/4x1-7/8x1/4	6	cft



x

	1x13-3/8x1-1/2x1/4	5	cft
	1x13x1-1/8x4-1/2	66	cft
	1x12x1-7/8x1/4	6	cft
	1x12-3/8x1-1/2x1/4	5	cft
	1x12-3/4x1-1/8x1/4	4	cft
	1x13-1/8x3/4x4-1/2	44	cft
	2x26-1/2x3/4x2-1/2	99	cft
	2x33x3/4x2-1/2	124	cft
Plinth		<b>Total</b>	<b>367</b>
"			cft

11 P/L 1-1/2" thick DPC of C.C 1;2;4) i/c bitumen coating and polythene sheet.

	1x2x13x1-1/8	29	sft
	1x2x13-1/8x1-1/8	30	sft
		<b>Total</b>	<b>59</b>
			sft
	1x2x13-1/8x1-1/8	(-7)	sft
		<b>Total</b>	<b>52</b>
			sft

12 Pacca brick work ( 1;6) ratio in Ground floor.

H.W	2x20-1/2x1-1/8x2-1/4	104	Cft
L.W	2x13x1-1/8x1/24	66	Cft
V.W	1x13x1-1/8x5-3/4	84	Cft
"	1x13x1-1/8x11-1/4	166	Cft
"	1x6-1/4x3/4x5-3/4	27	Cft
"	1x4-1/2x3/4x6-3/4	19	Cft
"	1x4-1/2x1-1/8x5-3/4	29	Cft
"	1x14-1/8x1-1/8x11-1/4	179	Cft
Parapit	1x2(20-1/2+26)x3/4x1-1/2	105	Cft
		<b>Total</b>	<b>779</b>
			Cft

**Deducations:**

M.D	1x6-1/2x1-1/8x8-1/2	62	Cft
D1	1x5x1-1/8x4	23	Cft
D2	1x3x3/4x4	9	Cft
V1	2x3x1-1/8x2	14	Cft
W1	1x9x1-1/8x3	30	Cft
Lintle	1x8x1-1/8x3/4	7	Cft
D1	1x6-1/2x1-1/8x3/4	5	Cft
D2	1x4x3/4x1/2	2	Cft
V1	2x4x1-1/8x1/2	5	Cft
	1x10-1/2x1-1/8x3/4	9	Cft
		<b>Total</b>	<b>166</b>
			Cft
	<b>Net</b>	<b>779</b>	<b>- 166</b>
			<b>613</b>
			Cft

13 P/L R.C.C ( 1;2;4) i/c shuttering.

Lintle	1x8x1-1/8x3/4	7	Cft
D1	1x6-1/2x1-1/8x3/4	5	Cft
D2	1x4x3/4x1/2	2	Cft
V1	2x4x1-1/8x1/2	5	Cft
	1x10-1/2x1-1/8x3/4	9	Cft
	1x10-1/2x1-1/2x1/4	4	Cft
Beam	3x20-1/2x1-1/8x3/4	52	Cft
H.W	1x6-1/4x3/4x3/4	4	Cft
"	2x12-1/4x1-1/8x3/4	21	Cft
V.W	2x11-7/8x1-1/8x3/4	20	Cft
"	1x11-7/8x3/4x3/4	7	Cft
Slab	1x20-1/2x27-1/2x5/12	235	Cft
		<b>Total</b>	<b>371</b>
			Cft

1

14	Fab: of M.S reinforcement i/c cutting bending Laying in position from cut side and 3-rails.	371x6.75x0.454	1137	Kg
15	3/8" thick cement plaster under soffit of RCC roof slab.	1x2-1/2x4-1/2x1-1/3 1x18x12-1/4 1x5-1/2x4-1/2x2-1/3 1x6-1/4x7 1x11-7/8x11-3/4	58 221 25 44 140	Cft Sft Sft Sft Sft
	Net 1239 - 277		430	Sft
16	1/2" thick cement plaster (1:5) ratio upto 20' hight.	1x2(18+12-1/4)x7 1x2(5-1/2x4-1/2)x7 1x2(18+11-7/8)x7 1x6-1/4x7x1/3 1x11-3/4x11-7/8x1/3 1x5x3-1/2x1/4 1x3x2-1/2x2-1/4x1/4	424 140 418 982 44 18 6	Sft Sft Sft Sft Sft Sft Sft
	Net 982 - 24		958	Sft
25	P/L watering and ramming brick ballast			
17	Removing cement plaster. sand mixed.	1x(14-1/2+20-1/2+27-1/2+6-1/4)x9	619	Sft
18	1/2" thick cement plaster (1:4) ratio upto 20' hight. curing etc complete.	1x2(20-1/2+27-1/2)x15-1/2 1x2(19+26)x2-1/4 1x5-1/2x4-1/2x1/8 1x6-1/4x7x1/8	1488 203 1691 5	Sft Sft Sft Cft
19	P/L single layer of tiles 9"x4-1/2"x1-1/2" laid over 4"earth and 1"mud plaster without bhoosa grouted with cement sand (1:3)		17	Cft
	on top of R.C.C. Roof slab provided with bitumen coating and polythene sheet and Shade with adhesive/ bond over 3/4" thick (1:3) cement plaster i/c the cost of se... finishing the joints i/c cutting D/d... complete in all respect as approved and directed by the Khurra Incharge. (Full... Glazed tile 600 mm x 600mm) size 24" x 24".	1x19x26 1x2x2	494 (-)4	Sft
			490	Sft
20	P/L top khura on roof.	1x2(18+12-1/4)x5 1x2(5-1/2+4-1/2)x5	361 100	No
21	Khassi parnas ion cement sand mortar (1:2) 12"out side width finished smoothn with a floating coat of neat cement, 1/2	1x15-1/2x1-1/2	16	Rft
22	Filling watering ramming earth under floor with suples earth from foundation plinth.	2/3 of item No.8 : 2/3x415	277	Cft
	Net 74		113	Sft

ii) Providing and fixing Aluminium Fly screen consisting of  
Fibre Aluminium wire frame (Aluminium) fixed in aluminium  
frame of approved material, powder brown Colour powder  
coated of size 1-1/2" x 1-1/2" and 1.6 mm thick with rubber gasket  
to the top of frame and directed by the  
engineer incharge complete in all respect.

20	20	Total
20	10	
20	14	
20	12	
20	03	

23 17. All types of glazed aluminium windows of modified  
frame colour, partly fixed and partly sliding with balance  
section of approved manufacturer having frame of size  
100mm x 20mm using frame and frame of section of  
20mm x 20mm, all of 1.6mm thickness and 2mm thick  
impacted lined glass with rubber gasket using approved  
standard gaskets, and was complete

20	430 + 928	1358
	Items of Item No (14+12)	

22 P/L Distemper 3-coat on new surface the priming coat of 1/4"

20	1488	1x2(20-1/2+25-1/2)x12-1/2
----	------	---------------------------

31 Applying weather - proof paint on new surface.

20	194	60x100x324
----	-----	------------

30 P/L marble strip of any shade for dividing the mosaic  
flooring into panels size 3/8" thick and 1-1/2" wide.

20	324	Total
20	162	
20	162	

29 P/L 3/4" thick conglomerate flooring two coat  
work with top layer of 1/2" thick wearing surface  
consisting of one part of cement and two part  
of stone chips having 3/16" size over bottom  
layer of cement concrete (1 : 3 : 6) including  
surface finishing and rubbing without polishing.

20	446	Total
20	7	
20	3	
20	6	
20	140	
20	44	
20	25	
20	25	
20	25	
20	25	

23 - for floor etc

- 34 P/F of aluminium door with openable glazed anodized bronze colour aluminium door using deluxe section of M/s Al-Cop or Pakistand cables having chowkat frame of size 1-1/2"x4" and leaf frame of 2-1/2"x1-1/2" wide section i/c cost of imported tinted glass with aluminium triangular gola and rubber gasket to support the glass wide long handle etc as approved by the Engineer incharge.

1x5x7

35 Sft

- 35 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" 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" sq bars)

Same qty item No.31.

99 Sft

- 36 P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge

1x6-1/2x7

46 Sft

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.



**COMPARATIVE STATEMENT AMMENDED ROUGH COST ESTIMATE FOR THE WORK "**  
**RENOVATION OF OLD BUILDING "AT. TEHSIL HEAD QUARTER HOSPITAL**  
**SHAKARGARH.**

Sr. No.	Description	As per apprvped Rough Cost Estimate.	As per Ammended Rough cost Estimate.	Difference		Remarks
				Excess	Saving	
1	Main Building	20530000	22,118,907	1,588,907		Excess due to Change of M.R.S
2	Electric installation portion.	2544080	3,449,600	905,520		-do-
3	Public Health portion.(P.A)	662500	793,000	130,500		Excess due to Change of Plinth Area Rates.
4	Sui Gas Portion.	668360	1,121,120	452,760		-do-
	<b>Total</b>	<b>24404940</b>	<b>27482627</b>	<b>3077687</b>		
	Credit Of Old Material.	425200	425200			
	<b>Total</b>	<b>23979740</b>	<b>27057427</b>	<b>3077687</b>		

SubEngineer.

Sub Divisional Officer,  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narowal.





**AMMENDED ROUGH COST ESTIMATE FOR THE WORK "**  
**RENOVATION OF OLD BUILDING " AT. TEHSIL HEAD QUARTER**  
**HOSPITAL SHAKARGARH.**

**ABSTRACT OF COST.**

1ST BI-ANNUAL 2022.

- |                          |    |                                       |
|--------------------------|----|---------------------------------------|
| 1 Main Building.         | DA | 291.<br>22118907<br><u>21968637/-</u> |
| 2 Public Health portion. | DA | 793000                                |

- |                                  |                          |            |               |                      |
|----------------------------------|--------------------------|------------|---------------|----------------------|
| 3 Electric Installation Portion. | As Per Plinth Area Rate. |            |               |                      |
| Ground Floor                     | 10780                    | Sft        |               |                      |
| First Floor                      | 10780                    | Sft        |               |                      |
|                                  | <b>Total 21560</b>       | <b>Sft</b> | <b>Rs 160</b> | <b>P.sft 3449600</b> |

- |                   |                          |            |              |                      |
|-------------------|--------------------------|------------|--------------|----------------------|
| 4 Sui Gas Portion | As Per Plinth Area Rate. |            |              |                      |
| Ground Floor      | 10780                    | Sft        |              |                      |
| First Floor       | 10780                    | Sft        |              |                      |
|                   | <b>Total 21560</b>       | <b>Sft</b> | <b>Rs 52</b> | <b>P.sft 1121120</b> |

Total 22482627 27332357/-  
2233357

Credit Of Old Material (-) 425211

Total 27057416  
26907146

Say Rs 27057500

Sub Engineer.

(Sub Divisional Officer)  
 Buildings Sub Division,  
 Shakargarh.

Executive Engineer,  
 Buildings Division  
 Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK "RENOVATION OF MAIN BUILDING AT  
T.H.Q.HOSPITAL SHAKARGARH" DISTRICT NAROWAL.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	Removing doors with chowkat.	63	362.35	Each	22828
2	Removing windows and sky lights with chowkat.	81	283.15	Each	22935
3	Removing ventilators and wooden sun shade, etc.	25	148.5	Each	3713
4	P/F all types of glazed alluminiums windows of anodized bronze colour partly fixed and partly sliding using deluce section of approved manufacturer having frame of size 100mm x 20mm using frame leaf frame of sections of 50mm x20mm, all of 1.6mm thickness i/c 5mm thick imported tinted glass with rubber gasket using using approved standered lateches, hard ware etc complete	2760	606.50	P-Sft	1673940
ii	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	1380	688.35	P-Sft	949923
5	P/F of alminium door with openable glazed anodized bronze colour alminium door using delux section of M/s Al-Cop or Pakistand cables having chowkat frame of size 1-1/2"x4" and leaf frame of 2-1/2"x1-1/2" wide section i/c cost of imported tinted glass with allminium triangular gola and rubber gasket to support the glass wide long handle etc as approved by the Engineer incharge.	1842	716.50	P-Sft	1319793
6	P/F of P.V.C door 1-1/2" thick i/c chowkat of required size complete in all respect as approved by the Engineer incharge.	455	750	P-Sft	341250



7	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt, lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge <b>Deodar wood Door (i) 2" thick</b>	160	2073.25	P-Sft	331720
8	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/3'x3' of specified design and thickness i/c cost of fixture si.egalvanized angle 1"x1" at wall sides,galvanized tee 1/4"x1" and 1/2"x1" both at 4'c/c (made of Taiwan CKM or equivalent),hanging with G.I/Copper wire 16SWG,G.I hook,Rawal Plug etc:complete in all respects as approved and directed by the Engineer Incharge. <b>(12-MM.Thick)</b>	8547	89.35	P-Sft	763674
9	P/F Poly Venial compound PVC strip wall panelling with 8" to 12" width and 8 MM thick plastic sheet i/c cost of nail, screws and bending i top and bottom U-channel of approved shade & design malaysian made as approved by the E.Incharge.	5009	<del>120</del> 150	P-Sft	<del>6010807</del> 751350
10	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stainless steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	216	1775.10	P-Rft	383422
11	P/F vin board cabnate with drawers in kitchen i/c termite proffing and polishsing or patining with synthic enamel specified with handles i/c nail 1-1/2" deep with back etc complete.	84	964.70	P-Sft	81035
12	Pacca brick work ( 1;4) ratio-in F/floor.	95	29460.65	%Cft	27988
13	P/L 1/2" thick cement plaster ( 1;4) upto 20' hight.	607	2595.85	%Sft	15757
14	P/L R.C.C (1;2;4) i/c shuttering for 2nd story.	22	570.88	P-Cft	12559
15	Fab: of M.S reinforcement i/c cutting bending laying in position ( D/bar) 40-grade.	67	25929.15	%Kg	17373



16	Providing and laying 3/4"thick full width Prepolished Marble slab for Vanities/Shelves/Treads/Window Cills, having Uniform texture(Spotless) with adhesive bond over3/4" thick(1:2) cement sand mortar i/c thecos to fmatching sealer complete in all respects as approved and directed by the Engineer Incharge.(China Verona for stairs Traeds)	426	369.40	P-Sft	157364
B	Extra Rate for Providing and laying 3/8 "thick Prepolished Marble skirting/ risers having uniform texture (spotless) of size 24"x6" of approved quality and shade with adhesive bond over 3/4" thick (1:2) cement sand mortar complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. (China Verona)	145	180.25	P-Sft	26136
17	Extra Rate for Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness,with adhesive bond over3/4" thick bedding of(1:2) cement sand mortar i/c the cost of matching sealer,cutting,grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x12"/12"x24")	924	314.30	P-Sft	290413
18	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy /Matt /Texture skirting/ dado of approved Colorand Shade with adhesive bond over1/2"thick(1:2)cement plasteri/ cthecos to fsealer for finishing the jointsi/ccutting grinding complete in all respects as approved and directed by the Engineer Incharge (24"x12")	1817	209.70	P-Sft	381025
19	-do- upto 20' hight.	778	209.70	P-Sft	163147
20	P/L 1/2" thick cement plaster ( 1;4) upto 30' hight.	406	2595.85	%Sft	10539
21	Praparing surface painting with weather sheild paint on new surface two coat.	406	4685.25	%Sft	19022
22	Pacca brick work ( 1;4)ratio in Ground floor.	178	28359.75	%Cft	50480
23	Supply & Fixing gas room heater of required plates of approved quality made by Crona /Ambessedor/Canon i/c cost of fittings & pipe etc. complete in all respect as directed and approved by the Engineer Incharge.(Single plate)	38	7893.90	Each	299968
24	Dismentling glazed or encaustic tiles etc.	28846	1932.50	%Sft	557449






25	Dismantling cement concrete (1;2;4) plain.	2012	9060.50	%Cft	182297
26	P/L cement concrete ( 1;2;4) i/c plain etc.	2012	35789.37	%Cft	720082
27	Removing cement plaster etc complete.	7446	342.20	%Sft	25480
28	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 seale for finishing the joints i/ c cutting grinding complete inall respect as approved and directed by the Engineer Incharge. (Full Body Glazed tile 600 mm x 600mm) size 24 " x 24".	14361	302.20	P-Sft	4339894.2
29	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy /Matt /Texture skirting/ dado of approved Colorand Shade with adhesive bond over1/2"thick(1:2)cement plasteri/ cthecos to fsealer for finishing the jointsi/cutting grinding complete in all respects as approved and directed by the Engineer Incharge (24"x12")	18430	209.70	P-Sft	3864771
30	-do - for floor (24"x12").	235	202.80	P-Sft	47658
31	Dismantling of flaged flooring with out concrete.	11223	700.15	%Sft	78578
32	Rehandling of earth with one throw of Khassi.	3741	2059.20	0%Cft	7703
33	P/L single layer of tiles 9"x4-1/2"x1-1/2" laid over 4"earth and 1"mud plaster without bhoosa grouted with cement sand (1:3) on top of R.C.C. Roof slab provided with bitumen coating and polythene sheet.	830	9953.30	%Sft	82612
34	-do- for 2nd floor.	10393	10509.09	%Sft	1092210
35	P/F aluminium 3/4x3/4 edge cornor as approved and directed by the Engineer Incharge.	1950	70	P-Rft	136500
36	Providing and fixing M.S. angle iron 1 1/2"x1 1/2"x1/4" (40x40x6 mm) edge protector nozing of steps of stairs,having holdfast or 3/8"(10 mm) dia M.S. bars 8" (200 mm) long welded at 2' (600 mm) centre to centre and embedded in cement concrete on steps, complete in all respect.	128	315.05	P-Rft	40326
37	P/F vinal flooring with 3mm sheet in Operation thather as approved by the E,incharge.	575	250	P-Sft	143750

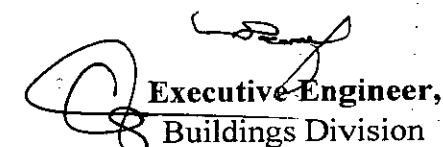


38	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (Non-Skid Chequered Tiles) 300mmx300mm =12"x12"	850	190.60	P-Sft	162010
39	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/Shelves/Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. (China Verona for Counters/windows cills)	485	369.40	P-Sft	179159
40	Preparing surface and painting with emulsion paint on new surface 2-coat.	31057	1781.95	%Sft	553420
41	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 MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (3/8" sq bars)	2760	647.70	P-Sft	1787652
		Total =			22118907

21,48,863/-

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh

  
Executive Engineer,  
Buildings Division  
Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK"**  
**RENOVATION OF MAIN BUILDING AT T.H.Q. HOSPITAL**  
**SHAKARGARH " DISTRICT NAROWAL.**

**MAIN BUILDING.**

1	Removing doors with chowkat.	28+35	63	Nos
2	Removing windows and sky lights with chowkat.	41+40	81	Nos
3	Removing vantilators and wooden sun shade, etc.	12+13	25	Nos

- 4 P/F all types of glazed alluminiums windows of anodized bronze colour partly fixed and partly sliding using deluce section of approved manufacturer having frame of size 100mm x 20mm using frame leaf frame of sections of 50mm x 20mm, all of 1.6mm thickness i/c 5mm thick imported tinted glass with rubber gasket using using approved standered lateches, hard ware etc complete

G/floor.

W1	12x5x6	360	Sft
W2	19x5x4	380	Sft
W3	1x3x6	18	Sft
W4	2x7x5-1/2	77	Sft
W5	3x10-1/4x5-1/2	169	Sft
W6	1x6-1/2x5-1/2	36	Sft
W7	1x11x5-1/2	61	Sft
W8	1x8-1/2x8	68	Sft
W9	8x5x5-1/2	220	Sft
"	4x4x4	64	Sft
F/floor w1	14x5x6	420	Sft
W2	12x5x4	240	Sft
W3	8x5x5-1/2	200	Sft
W5	7x4x4	112	Sft
F.F	25x3x1-1/2	113	Sft
	1x17-1/2x4	70	Sft
Stair	1x15-1/2x1+3+1/3	26	Sft
	1x6x15	90	Sft
	1x6x6	36	Sft

**Total 2760 Sft**

- ii Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1-1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.

1/2 Of Item No -4

**1380 Sft**



- 5 P/F of aluminium door with openable glazed anodized bronze colour aluminium door using delux section of M/s Al-Cop or Pakistand cables having chowkat frame of size 1-1/2"x4" and leaf frame of 2-1/2"x1-1/2" wide section i/c cost of imported tinted glass with aluminium triangular gola and rubber gasket to support the glass wide long handle etc as approved by the Engineer incharge.

G/floor		136	Sft
D1	4x4+8-1/2	387	Sft
D2	13x3-1/2x8-1/2	170	Sft
F.F D1	5x4x8-1/2	565	Sft
D3	19x3-1/2x8-1/2	240	Sft
	3x8x10	77	Sft
Nursing.	1x8-1/2x9	165	Sft
	4x7-1/2x5-1/2	102	Sft
	4x3x8-1/2		
<b>Total</b>		<b>1842</b>	<b>Sft</b>

- 6 P/F of P.V.C door 1-1/2" thick i/c chowkat of required size complete in all respect as approved by the Engineer incharge.

G/floor	16x2-1/2x7	280	Sft
F/floor	10x2-1/2x7	175	Sft
<b>Total</b>		<b>455</b>	<b>Sft</b>

- 7 Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt, lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge **Deodar wood Door**  
(i) 2" thick

2x8x10	160	Sft
--------	-----	-----

- 8 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'2"x3'3'x3' of specified design and thickness i/c cost of fixture si.egalvanized angle 1"x1" at wall sides, galvanized tee 1 1/4"x1" and 1 1/2"x1" both at 4'c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. (12-MM.Thick)

Wards	2x4x20-3/4x20	3320	Sft
Coridor	2x2x53-1/2x8	1712	Sft
Nursing	4x10-1/2x8-1/4	347	Sft
Gyne	1x22x23	506	Sft
	1x15-3/4x20	323	Sft
	1x12-1/2x13-1/2	169	Sft
	1x23-3/4x11-1/4	267	Sft
F/Floor	1x22x44-1/2	979	Sft
M.Entr:	1x33x28	924	Sft
<b>Total</b>		<b>8547</b>	<b>Sft</b>





- 9 P/F Poly Venial compound PVC strip wall panelling with 8" to 12" width and 8 MM thick plastic sheet i/c cost of nail, screws and bending i top and bottom U-channel of approved shade & design malaysian made as approved by the E.Incharge.

Ward	2x4x2(21-3/4+20)x5-1/2	3674	Sft
Nursing	4x2(10-1/2+8-1/4)x6	900	Sft
Gyne	1x2(22+23)x5-1/2	495	Sft
"	1x2(15-3/4+20-1/2)x5-1/2	399	Sft
"	1x2(12-1/2+13-1/2)x5-1/2	286	Sft
"	1x2(23-3/4+11-1/4)x5-1/2	385	Sft
Cori:OPD	1x(6+23-1/2+6)x4	142	Sft
<b>Total</b>		<b>6281</b>	<b>Sft</b>

**Deducations:**

W8	2x8x5x3	240	Sft
W2	2x6x5x4	240	Sft
D	2x4x4x3	96	Sft
Nursing	2x2x10-1/2x8-1/2	357	Sft
Gyne	3x2x3-1/2x8-1/2	179	Sft
D3	1x2x8x10	160	Sft
<b>Total</b>		<b>1272</b>	<b>Sft</b>

**Net. 6281 -1272**

**5009 Sft**

- 10 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

Ramp	(54+11-1/2+46+4+45)	161	Sft
Stair	(28+2+28)	58	Sft
<b>Total</b>		<b>216</b>	<b>sft</b>

- 11 P/F vin board cabnate with drawers in kitchen i/c termite proffing and polishsing or parining with synthic enamel specified with handles i/c nail 1-1/2" deep with back etc complete.

Nursing	4x2x3x1-1/2	84	sft
---------	-------------	----	-----

- 12 Pacca brick work ( 1;4) ratio in F/floor.

Recp:Cont:	1x8x1-1/8x4	36	Cft
OPD bath	1x4-1/8x3/8x3	5	Cft
	1x8x3/8x3	9	Cft
	2x(8-3/8+5)x3/8x4-1/2	45	Cft
<b>Total</b>		<b>95</b>	<b>Cft</b>

- 13 P/L 1/2" thick cement plaster ( 1;4) upto 20' hight.

OPD bath	1x2(4-1/2+8)x3
----------	----------------

75 Sft Page 161



	1x(8-3/8+5-3/8)x4-1/2	62	Sft
	1x16-3/8x4-1/2	74	Sft
	2x6x4-1/2	54	Sft
Cori:	2x7x5-1/2	77	Sft
	3x10-1/4x5-1/2	169	Sft
	1x(6-1/2+11)x5-1/2	96	Sft
	<b>Total</b>	<b>607</b>	<b>Sft</b>

14 P/L R.C.C (1;2;4) i/c shuttering for 2nd story.

Contr	1x8x2x1/4	4	Cft
Bath	1x5-3/8x8-7/8x3/8	18	Cft
	<b>Total</b>	<b>22</b>	<b>Cft</b>

15 Fab: of M.S reinforcement i/c cutting bending laying in position ( D/bar)

22x6.75x0.454	67	Kg
---------------	----	----

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

M.Entr	3x25x1	75	Sft
Stair	2x24x5	248	Sft
	2x1x11x4+6+4/3	103	Sft
	<b>Total</b>	<b>426</b>	<b>Sft</b>

B Extra Rate for Providing and laying 3/8 "thick Prepolished Marble skirting/ risers having uniform texture (spotless) of size 24"x6" of approved quality and shade with adhesive bond over 3/4" thick (1:2) cement sand mortar complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. (China Verona)

2x25x1/2	25	Sft
2x24x5x1/2	120	Sft
<b>Total</b>	<b>145</b>	<b>Sft</b>

17 Extra Rate for Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness,with adhesive bond over 3/4" thick bedding of(1:2) cement sand mortar i/c the cost of matching sealer,cutting,grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x12"/12"x24")

M.Entr	1x33x28	924	Sft
--------	---------	-----	-----





- |          |   |             |            |
|----------|---|-------------|------------|
| Counter  | $1 \times 2(8+1-1/8) \times 4$            | 73          | Sft        |
| G/F      | $4 \times 2(3-1/2 \times 5) \times 2-1/2$ | 170         | Sft        |
| G.bath   | $2 \times (9+7-3/4) \times 2-1/2$         | 84          | Sft        |
|          | $1 \times 2(16+14-3/4) \times 6-1/4$      | 384         | Sft        |
|          | $2 \times 2(8+6) \times 7$                | 392         | Sft        |
| OPD bath | $2 \times 2(5+8) \times 7$                | 364         | Sft        |
|          | $2 \times 2(4-1/2+8) \times 7$            | 350         | Sft        |
|          | <b>Total</b>                              | <b>1817</b> | <b>Sft</b> |

- |        |              |            |            |
|--------|--------------|------------|------------|
| M.Entr | 4x4-3/4x22   | 418        | Sft        |
|        | 4x4-3/4x10   | 190        | Sft        |
| F/F    | 2x4-3/4x10   | 95         | Sft        |
|        | 2x3-3/4x10   | 75         | Sft        |
|        | <b>Total</b> | <b>778</b> | <b>Sft</b> |

- |  |        |     |     |
|--|--------|-----|-----|
| M.Entr   | 1x58x7 | 406 | Sft |
| Praparing surface painting with weather sheild paint<br>on new surface two coat. | 1x58x7 | 406 | Sft |

- |          |                        |            |            |
|----------|------------------------|------------|------------|
| OPD bath | 1x(8-3/8+5)x3/8x4-1/2  | 23         | Cft        |
| "        | 1x(16-3/8x6)x3/8x4-1/2 | 38         | Cft        |
| Coridor  | 2x7x3/4x2-1/2          | 26         | Cft        |
| W5       | 3x10-1/4x3/4x2-1/2     | 58         | Cft        |
| W5       | 1x6-1/2x3/4x2-1/2      | 12         | Cft        |
| W6       | 1x11x4x2-1/2           | 21         | Cft        |
|          | <b>Total</b>           | <b>178</b> | <b>Cft</b> |

- |          |    |     |
|----------|----|-----|
| 12+13+13 | 38 | Nos |
|----------|----|-----|

- |          |                 |     |     |
|----------|-----------------|-----|-----|
| G/floor. | 1x23-1/2x13-5/8 | 320 | Sft |
| OPD      | 1x12-1/2x20     | 250 | Sft |
|          | 3x11-1/2x20     | 690 | Sft |
|          | 1x16-3/4x13-5/8 | 228 | Sft |
|          | 1x16x5-1/4      | 84  | Sft |
| Corridor | 2x53-1/2x8      | 856 | Sft |



Store	1x15-3/8x6-3/4	104	Sft
	1x10x19-1/2	195	Sft
Rec eption	1x22-1/8x20-1/4	448	Sft
	1x21x12	252	Sft
Coridor	2x53-1/2x8	856	Sft
Ward	4x20-3/4x20	1660	Sft
Ramp	1x19x12	220	Sft
	1x38x8	304	Sft
Nursomg	2x10-1/2x8-1/4	173	Sft
C.cor.	1x22x58	1160	Sft
	1x11x20	220	Sft
F/floor	3x11x20	660	Sft
OPD	1x18x11-3/4	94	Sft
Cori:	1x53-1/2x8	428	Sft
Ward	4x20-3/4x20	1660	Sft
Nursing	2x10-1/2x8-1/4	173	Sft
Coridor	2x53-1/2x8	866	Sft
	1x22x11-3/4	259	Sft
	1x10x11-3/4	118	Sft
	1x12x10	120	Sft
	1x8-1/4x19	157	Sft
Gyne	1x10x7	70	Sft
	1x8x4-1/2	36	Sft
	1x22x16-3/4	369	Sft
	1x12x8-1/4	99	Sft
	1x15x11	165	Sft
Cill	1x10x83	830	Sft
	1x21x8	168	Sft
	30x3-1/2x3/4	79	Sft Mark A=14361 S
	1x15-3/4x20	315	Sft
	1x3x8	64	Sft
L.Room	1x14x14	196	Sft
M.Entr	1x33x28	924	Sft
M.S bath	2x10-1/2x6-1/2	137	Sft Mark B=1734 St
	4x5x4-1/8	98	Sft
Skerting	1x2(23-1/2+135/8)x1/2	37	Sft
	1x2(12-1/2+20)x1/2	33	Sft
	3x2(11-1/2+20)x1/2	32	Sft
	1x2(16-3/4+135/8)x1/2	30	Sft
	1x2(16+5-1/4)x5	213	Sft
Coridor	2x2x53-1/2x5	1070	Sft
	1x2(15-3/8+6-3/4)x1/2	22	Sft
	1x2(22-1/8+20-1/4)x1/2	42	Sft
	1x2(10+19-1/2)x1/2	30	Sft
Ward	4x2(20-3/4+20)x5-1/2	448	Sft
Nirsing	2x2x8-1/2x5	170	Sft
Cori:	2x2x53-1/2x5	1070	Sft
F/floor	1x2x58x5	580	Sft
	1x2(11+20x12	744	Sft
OPD	2x2(11+20)x1/2	62	Sft
	1x2(18+12)x1/2	30	Sft
Cori	1x53-1/2x5	268	Sft
Ward	4x2(20-3/4+20)x5-1/2	1793	Sft
Cori:	2x2x53-1/2x5	1070	Sft
Nursing	2x2x8-1/4x5	165	Sft
	1x2(22+11-3/4x1/2)	34	Sft
	1x2(10+11-3/4)x1/2	22	Sft
	1x2(12+10-1/2)	22	Sft





Gyne	1x2(15-3/4+20)x5	36	Sft
	1x2(8x8)x5	160	Sft
	1x2(14+14)x5	280	Sft
	1x2(22+16-3/4)x5	388	Sft
	1x2(21+8)x5	290	Sft
	1x2(15+11)x1/2	26	Sft
	1x2(12+8-1/4)x5	203	Sft
C. Coridor	2x58x5	580	Sft
	1x83x5	415	Sft
	1x23-1/2x5	118	Sft
	2x6x5	260	Sft
M.S bath	2x2(10-1/2+6-1/2)x5	340	Sft
	4x2(5+4-7/8)x5	395	Sft
Stair	2x21-3/4x5	218	Sft
	1x49-1/2x5	248	Sft
step	2x24x5x1	240	Sft
	2x24x5x1/2	120	Sft
	2x1x11x4+6+4/3	103	Sft
Ramp.	2x46-1/2x7-1/2	698	Sft
	1x19x8	152	Sft
<b>Total</b>		<b>29362</b>	<b>Sft</b>
<b>Deducations:</b>			
	25x3-1/2x5	438	Sft
	2x7x5	78	Sft
<b>Total</b>		<b>516</b>	<b>Sft</b>
<b>Net. 29362 - 516</b>		<b>28846</b>	<b>sft</b>
25	Dismantling cement concrete (1;2;4) plain. 1/8 of item no.24 Mark-A+B 1/8X(14361+1734)	2012	Cft
26	P/L cement concrete ( 1;2;4) i/c plain etc.  Same qty item No.25.	2012	cft
27	Removing cement plaster etc complete.		
G/floor	1x2(23-3/4+11-1/4)x4-1/2	315	Sft
	OPD	293	Sft
	3x2(11+20)x4-1/2	837	Sft
	1x2(18+12)x4-1/2	270	Sft
	1x2(15-1/2+6-1/2)x4-1/2	198	Sft
	1x2(21+12)x4-1/2	297	Sft
	1x2(10+19-3/4)x4-1/2	268	Sft
F/floor	2x2(11+20)x4-1/2	558	Sft
	OPD	270	Sft
Admn.	1x2(22+11-3/4)x4-1/2	304	Sft
	1x2(10+11-3/4)x4-1/2	196	Sft
	1x2(12+10)x4-1/2	198	Sft
M.Entr	1x2(15+11)x4-1/2	234	Sft
	1x58x7	406	Sft
	1x24x17	408	Sft
Stair	15x2x1-3/4x20	1050	Sft
	15x2x1x6	180	Sft
	15x1x5x5	375	Sft
	1x2x1-3/4x30	105	Sft



.

.

.

.

.

.

	1x2x1x12	24	Sft
	1x2x1x6	12	Sft
M.S bath	1x1x5x5	25	Sft
	2x2(10-1/2+11-3/4)x7	623	Sft
	<b>Total</b>	<b>7446</b>	<b>Sft</b>

- 28 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/ bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Full Body Glazed tile 600 mm x 600mm) size 24 " x 24".

same qty item No. 24 Mark A. 14361 sft

- 29 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 (24"x12")

	Same qty item No. 24-Mark C.	11944	Sft
	Same qty item No. 27	7446	Sft
Coridor	1x83x2-1/2	208	Sft
	29x2x3/4x5	218	Sft
	<b>Total</b>	<b>19816</b>	<b>sft</b>
Deduction	28x2x3-1/2x5	980	sft
	1x1x58x7	406	sft
	<b>Total</b>	<b>1386</b>	<b>sft</b>
	<b>Net, 19816 - 1386</b>	<b>18430</b>	<b>sft</b>

- 30 -do- for floor, (24"x12").

	2x10-1/2x6-1/2	137	Sft
	4x5x4-7/8	98	Sft
	<b>Total</b>	<b>235</b>	<b>Sft</b>

- 31 Dismantling of flaged flooring with out concrete.

	1x130x79-1/2	10335	Sft
	1x58x1	58	Sft
	1x10x83	830	Sft
	<b>Total</b>	<b>11223</b>	<b>Sft</b>

- 32 Rehandling of earth with one throw of Khassi.

1/3 of item No. above 1/3 x 11223 3741 Cft

- 33 P/L single layer of tiles 9"x4-1/2"x1-1/2" laid over 4" earth and 1" mud plaster without bhoosa grouted with cement sand (1:3) on top of R.C.C. Roof slab provided with bitumen coating and polythene sheet.



34 -do- for 2nd floor.

1x130x79-1/2	10335	Sft
1x58x1	58	Sft
<b>Total</b>	<b>10393</b>	<b>Sft</b>

35. P/F aluminium 3/4x3/4 edge cornor as approved and directed by the Engineer Incharge.

	29x4x5	580	Sft
Coridor	10x5	50	Sft
Window	15x4x20	1200	Sft
Stair	1x4x30	120	Sft
	<b>Total</b>	<b>1950</b>	<b>Sft</b>

36 Providing and fixing M.S. angle iron 1 1/2"x1 1/2"x1/4" (40x40x6 mm) edge protector nozing of steps of stairs,having holdfast or 3/8"(10 mm) dia M.S. bars 8" (200 mm) long welded at 2' (600 mm) centre to centre and embedded in cement concrete on steps, complete in all respect.

16x4x2	128	Rft
--------	-----	-----

37 P/F vinal flooring with 3mm sheet in Operation thather as approved by the E,incharge.

1x15-3/4x20	315	Sft
1x8x8	64	Sft
1x14x14	196	Sft
<b>Total</b>	<b>575</b>	<b>sft</b>

38 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (Non-Skid Chequered Tiles) 300mmx300mm =12"x12"

2x46-1/2x7-1/2	698	Sft
1x19x8	152	Sft
<b>Total</b>	<b>850</b>	<b>Sft</b>

Providing and laying 3/4"thick full width Prepolished Marble slab for Vanities/Shelves/Treads/Window Cills, having Uniform texture(Spotless) with adhesive bond over3/4"

39 thick(1:2) cement sand mortar i/c thecos to fmatching sealer complete in all respects as approved and directed by the Engineer Incharge.(China Verona for Counters/windows cills)

Reception	1x8x2	16	Sft
Nursing	4x7x2	56	Sft
Window	40x5x1-1/2	300	Sft
"	25x3x1-1/2	113	Sft
<b>Total</b>		<b>485</b>	<b>Sft</b>



- 40 Preparing surface and painting with emulsion paint on new surface 2-coat.

	Same qty item No.8	8547	Sft
G.bath	2x16x14-3/4	472	Sft
Bath	2x2x10-1/2x8-1/4	347	Sft
Coridor.	2x4x53-1/2x8	3424	Sft
Main Cori	2x64-3/8x22	2833	Sft
Reception	2x22-1/8x20-1/4	896	Sft
Store	2x15-3/8x6-3/4	208	Sft
Bath	2x4-7/8x6-3/4	66	Sft
Room	2x21x12	504	Sft
"	2x10x19-1/2	390	Sft
Ramp	2x53-1/2x19	2033	Sft
Coridor.	2x4x2(53-1/2+8)x7	6888	Sft
Main cori:	2x2(64-3/8+22)x7	2419	Sft
Ramp	2x2(53-1/2+19)x7	2030	Sft
<b>Total</b>		<b>31057</b>	<b>Sft</b>

- 41 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 MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.(3/8" sq bars)

Same qty item No.4.

2760 Sft

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.





**AMMENDED ROUGH COST ESTIMATE FOR THE WORK"**  
**RENOVATION OF MAIN BUILDING AT T.H.Q. HOSPITAL**  
**SHAKARGARH " DISTRICT NAROWAL.**

**ABSTRACT OF COST**

**PUBLIC HEALTH PORTION.**

**1ST BI-ANNUAL 2022.**

1	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	8	No	13915.80	Each	111326
2	P/F spun pipe approved quality ( TEEPU supreme) with cement yarn joints etc. complete in all respect as approved by the E,Incharge 4" dia.	68	Rft			
	2x2(14+3)	68	Rft			
	2x2(14+8-1/2)	90	Rft			
	2x4x8	64	Rft			
	2x2x(14+5)	76	Rft			
3	-do- 2" dia.	Total	298	Rft	450	P.Rft 134100
	2x4x8	64	Rft			
		32	Rft			
	2x2x8	96	Rft	200	P.Rft	19200
4	P/F spun special such as tee, collar, Bend, etc plan type / plug type of approved quality ( TEEPU supreme) with cement yarn joints etc. complete in all respect as approved by the E,Incharge.	250	kg	150	P.kg	37500
5	P/F Glazed P.Trap 4" dia	10	No	218.40	Each	2184
6	P/F Glazed earthen ware W.C sq type (Orisa Pattern) combined with foot rest white.	10	No	1349.25	Each	13493
7	P/F Stainless steel sink (48"x24") size.	2	No	5955.10	Each	11910
8	S/E of G.I Pipe 3/4" dia.Medium Quality	174	Rft	188.55	P.Rft	32808
9	- do - 1" dia.	345	Rft	281.65	P.Rft	97169
10	- do - 1-1/4" dia.	110	Rft	359.85	P.Rft	39584



12	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects. 4" Dia.	219	Rft	382.70	P.Rft	83811
13	- do - 3" dia.	113	Rft	251.30	P.Rft	28397
14	- do - 2" dia.	64	Rft	177.15	P.Rft	11338
15	S/E of pvc tee 4" dia.	15	No	1355.50	Each	20333
16	- do - socket 4" dia.	9	No	286.65	Each	2580
17	S/E of pvc tee bend 4" dia.	19	No	477.35	Each	9070
18	S/E of pvc tee bend 3" dia.	1	No	288.95	Each	289
19	P/F Glazed earthen ware Wash Hand Basin 22"x16" i/c bracket set waste pipe and waste coupling etc.	8	No	4587.90	Each	36703
20	P/F C.P bib cock 1/2" dia.	16	No	466.20	Each	7459
21	P/F C.P tee stop cock 1/2" dia.	18	No	886.20	Each	15952
22	P/F C.P swan neck cock 1/2" dia single away.	10	No	466.20	Each	4662
23	P/F Plastic made low down flushing cistern 3-gallon capacity i/c bracket set complete.	10	No	2379.90	Each	23799
24	P/F Floor trap 4"x2"	10	No	538.40	Each	5384
Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish,						
25	One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.					
i	P/F plastic soap dish.	8	No	1000	Each	8000
ii	P/F plastic shelve.	8	No	800	Each	6400
iii	Looking glass with plastic frame	8	No	1500	Each	12000
iv	- do - towel rail.	8	No	1200	Each	9600
Total =						793134
Say.Rs						793000

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narawal.

2

.

.

.

.

.

.

**DETAIL OF OLD MATERIAL OF RENOVATION OF OLD BUILDING.**

1 Unservice able tile 60 %.

11223 x 12x12	x60/100	23942	Nos	Rs	5500	%0No	131681
9x4-1/2							

2 Unservice able tile bate.40 %.

1123x1/8x40/100	561	Cft	Rs	3000	%cft	16830
-----------------	-----	-----	----	------	------	-------

3 Sold Flush door size 4'x8-1/2'

9	Nos	Rs	1500	Each	13500
---	-----	----	------	------	-------

4 -do- size 3-1/2'x8-1/2'.

32	Nos	Rs	1000	Each	3200
----	-----	----	------	------	------

5 -do- size 2-1/2'x7'.

26	Nos	Rs	750	Each	19500
----	-----	----	-----	------	-------

6 M/S Openable glazed winow size ( 5'x6')

23	Nos	Rs	3000	Each	69000
----	-----	----	------	------	-------

7 M/S Openable glazed winow size ( 5'x4')

31	Nos	Rs	2500	Each	77500
----	-----	----	------	------	-------

8 -do- (4'x4') size

11	Nos	Rs	2000	Each	22000
----	-----	----	------	------	-------

9 -do- (5'x5-1/2') Size

8	Nos	Rs	3000	Each	24000
---	-----	----	------	------	-------

10 -do- (6'x5') Size

1	No	Rs	2500	Each	2500
---	----	----	------	------	------

11 -do- (6'x15') Size

1	No	Rs	7000	Each	7000
---	----	----	------	------	------

12 Aluminium window (5'x6') size

4	Nos	Rs	5000	Each	20000
---	-----	----	------	------	-------

13 Steel grill ( 7'x8') size.

3	Nos	Rs	2000	Each	6000
---	-----	----	------	------	------

14 -do- (10-1/4x8') Size.

5	Nos	Rs	2500	Each	12500
---	-----	----	------	------	-------

Total	425211
-------	--------

Say, Rs.	425200
----------	--------

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narowal.



**AMMENDED ROUGH ESTIMATE FOR THE WORK  
REVAMPING PROGRAMME OF PHASE-II FOR HOSPITAL  
AT T.H.Q.HOSPITAL SHAKARGARH.**

- 1 Carriage charges for aggregate as per MRS  
(1ST BI -Annual 2022).

1st K.M		255.30
2nd K.M		118.75
3rd K.M		89.50
4th K.M		61.15
5th K.M		56.45
6th K.M		55.35
7th K.M		51.05
8th K.M		50.40
9th K.M		46.90
10th K.M		43.40
		<u>828.25</u>
11 to 200 K.M. 35.10x190	=	6669
201 to 250 K.M.3.25x50	=	162.50
251 to 294 K.M. 44x2.00	=	88
	<b>Total</b>	<u>7747.75</u>

- 2 P/L (1:2:4) cement concrete plain i/c placing  
compacting,finishing and curing complete.

i	Basic Rate.	28971.35
ii	Lead Rate.	7747.75
iii	Aggregate.	88
	$\frac{88 \times 7747.75}{100}$	6818.02
Total Rate .		
$( 28971.35 + 7747.75 ) =$		<u>35789.37</u> % Cft

- 3 P/L (1:4:8) cement concrete plain i/c placing  
compacting,finishing and curing complete.

i	Basic Rate.	22563.35
ii	Lead Rate.	7747.75
iii	Aggregate.	94.76
	$\frac{94.76 \times 7747.75}{100}$	7341.77
Total Rate .		
$( 22563.35 + 7341.77 ) =$		<u>29905.12</u> % Cft

- 4 P/L R.C.C (1:2:4) ratio i/c shuttring.

i	Basic Rate.	471.80
ii	Lead Rate.	7747.75



5

•  
•

•  
•

•  
•

•  
•

iii Aggregate. 88  
 $\frac{88 \times 7747.75}{100}$  6818.02

Total Rate.

$$(471.80 + 68.18) = \underline{539.98} \text{ P-Cft}$$

5 P/L R.C.C (1:2:4) ratio i/c shutting For 2nd Story.

i Basic Rate. 502.70

ii Lead Rate. 7747.75

iii Aggregate. 88

$$\frac{88 \times 7747.75}{100} 6818.02$$

Total Rate.

$$(502.70 + 68.18) = \underline{570.88} \text{ P-Cft}$$

6 P/L R.C.C (1:2:4) ratio w/o shutting.

i Basic Rate. 350.30

ii Lead Rate. 7747.75

iii Aggregate. 88

Total.

$$\frac{88 \times 7747.75}{100} 6818.02$$

Net = Basic+Lead.

$$(350.30 + 68.18) = \underline{418.48} \text{ P-Cft}$$

7 P/L R.C.C (1:1-1/2:3) ratio i/c shutting.

i Basic Rate. 510.70

ii Lead Rate. 7747.75

iii Aggregate. 84

Total.

$$\frac{84 \times 7747.75}{100} 6508.1$$

Net = Basic+Lead.

$$(510.70 + 65.08) = \underline{575.78} \text{ P-Cft}$$

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK" EXTERNAL ELECTRIFICATION AT T.H.Q  
HOSPITAL SHAKARGARH TEHSIL SHAKARGARH.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	S/E of P.V.C pipe 3" dia.	350	200.15	P-Rft	70053
2	S/E of P.V.C pipe 2" dia.	1970	157.95	P-Rft	311162
3	S/E of P.V.C pipe 1-1/2" dia.	4050	125.70	P-Rft	509085
4	S/E of P.V.C pipe 1" dia.	4395	80.45	P-Rft	353578
5	Supply and erection of copper conductor cables for service ditto connection, in prelaaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable: 240 mm sq (37/0.114")	350	9173	P-Rft	3210550
6	-do- 185 mm sq (37/0.103") four core.	170	6989	P-Rft	1188130
7	-do- 70 mm sq (19/0.083") four core.	130	2605	P-Rft	338650
8	-do- 35 mm sq (19/0.064" four core.	1900	1673.35	P-Rft	3179365
9	S/E of pvc wire 7/0.044 four core.	1150	265.50	P-Rft	305325
10	S/E of pvc wire 37/0.083 single core.	1150	1139	P-Rft	1309850
11	S/E of pvc wire 7/0.064 single core.	1350	141.05	P-Rft	190418
12	S/E of pvc wire 7/0.044 single core.	2700	60.60	P-Rft	163620
13	S/E of pvc wire 7/0.044 Twin core.	695	128.70	P-Rft	89447
14	P/F two Generator Synchronizing & ATS pannel Floor Mounted typoe 84"x60"x18" of 16-SWG with incoming M.S sheet 16 SWG (Galvanized , Phasfeting & powder coated) Distribution board size 84"x72"x18".	1	<del>14,80,428/-</del> 1522000	Each	<del>14,80,428/-</del> 1522000

2

100

100

100

100

100

100

100

100

100

100

100

100


15	Providing and fixing Main Panel Board (WAPDA) Floor Mounted Type 48" X 60" X 18" of 14-SWG with incoming 1-No. 1000Amp 50KA ADJ T.P MCCB Breaker, high braking capacity Schneider / Legrand Outgoing 01-No 500 Amp 36KA T.P MCCB Schneider / Legrand (For Genrotor Panel), 06-No 200 Amp 25KA T.P MCCB Schneider / Legrand & 04-No 100 Amp 10KA T.P MCCB Schneider / Legrand. i/c 01-No Digital Volt Meter ENTES, 01-No Amp Digital Meter ENTES, 01-No Volt Meter Selector, 01-No Amp Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03Nos Current Transformer (CT) 1000/5, 03-No. Indication lights, 1-No Earth & Neutral link 50 X 10mm, 03Nos Copper Bus bar Size 80 X 10mm 50-No Incoming Thimble & 15Nos Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all respect and as approved by the Engineer incharge	1	657,296/- 953000	Each	657,296/- 953000
16	Providing and fixing A/C DB 24" X 18" X 6" of 16-SWG with incoming 01-No. 80Amp 25KA T.P MCCB Breaker, high braking capacity Schneider / Legrand, 05-No. 32Amp 6KA T.P MCB Breaker, Schneider / Legrand, 18-No. 20Amp 6KA S.P MCB Breaker, Schneider / Legrand i/c 01-No Digital Volt Meter, 01-No Volt Meter Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03 Phase + Earth & Neutral Copper Bus bar phase 20 X 6mm 18-No Incoming & Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all respect and as approved by the Engineer incharge	5	82992 180000	Each	4149607 900000
17	Providing and fixing Main Panel Board Emergency (Genrotor) Floor Mounted Type 48" X 48" X 18" of 14-SWG with incoming 1-No. 500Amp 50KA T.P MCCB Breaker, high braking capacity Schneider / Legrand. Outgoing 04-No 100 Amp 25KA T.P MCCB Schneider / Legrand, 08-No 60 Amp 10KA T.P MCCB Schneider / Legrand. i/c 01-No Digital Volt Meter, 01-No Amp Digital Meter, 01-No Volt Meter Selector, 01-No Amp Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03Nos Current Transformer (CT) 500/5, 03-No. Indication lights, 1-No Earth & Neutral link, 03Nos Copper Bus bar phase 800 50-No Incoming Thimble & 15Nos Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all respect and as approved by the Engineer incharge	1	341880/- 584000	Each	341880/- 584000

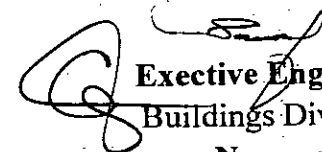


18	Earthing with 8 SWG copper wire i/c copper strip.60x10mm and g.i. Pipe 3/4" dia 100' long complete with sockets. 105 ft below from ground level i/c making bore hole and filling with salt and charcoal mixture etc complete in all respect as approved / directed by engineer incharge.	8	18500/- <del>60000</del>	Each	148000/- <del>480000</del>
		Total =			15658231

14,26,1798/-

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

  
Executive Engineer  
Buildings Division  
Narowal.



2.

**AMMENDED ROUGH COST ESTIMATE FOR THE WORK**  
**EXTERNAL ELECTRIFICATION IN T.H.Q. HOSPITAL**  
**SHAKARGARH.**

1	S/E of P.V.C pipe 3" dia.	Wapda meter to Electric room.	350	Rft
2	S/E of P.V.C pipe 2" dia.	Main pannel to OPD block.	170	Rft
		Main pannel to Emergency block.	500	Rft
		Main pannel to O.T block.	1300	Rft
		<b>Total</b>	<b>1970</b>	<b>Rft</b>
3	S/E of P.V.C pipe 1-1/2" dia.	Each bore to Main pannel.	400	Rft
		-do-	1150	Rft
		for A.C	1150	Rft
		-do-	1350	Rft
		<b>Total</b>	<b>4050</b>	<b>Rft</b>
4	S/E of P.V.C pipe 1" dia.	For A.C single phase.	2700	Rft
		for Emergency	1695	Rft
		<b>Total</b>	<b>4395</b>	<b>Rft</b>
5	Supply and erection of copper conductor cables for service ditto connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable: 240 mm sq (37/0.114")			
		Wapda meter to switch room	350	Rft
6	-do- 185 mm sq (37/0.103") four core.	Switch room to OPD block.	170	Rft
7	-do- 70 mm sq (19/0.083") four core.	Main pannel to Mortury	130	Rft
8	-do- 35 mm sq (19/0.064" four core.	Main pannel to Emergency.	500	Rft
		Main pannel to Mortury.	1400	Rft
		<b>Total</b>	<b>1900</b>	<b>Rft</b>
9	S/E of pvc wire 7/0.044 four core	Main pannel to A.C 4 ton.	1150	Rft
10	S/E of pvc wire 37/0.083 single core.	For earth.	1150	Rft
11	S/E of pvc wire 7/0.064 single core.	For earth.	1350	Rft
12	S/E of pvc wire 7/0.044 single core.	For A.C	2700	Rft
13	S/E of pvc wire 7/0.044 Twin core.	OPD block to Mosque	145	Rft
		OPD block to Mortury	250	Rft
		Switch room to store.	300	Rft
		<b>Total</b>	<b>695</b>	<b>Rft</b>
14	P/F two Generator Synchronizing & ATS pannel Floor Mounted typoe 84"x60"x18" of 16-SWG with incoming M.S sheet 16 SWG (Galvanized , Phasfeting & powder coated) Distribution board size 84"x72"x18".			
			1	No

L

.

.

.

15 Providing and fixing Main Panel Board (WAPDA) Floor Mounted Type 48" X 60" X 18" of 14-SWG with incoming 1-No. 1000Amp 50KA ADJ T.P MCCB Breaker, high braking capacity Schneider / Legrand Outgoing 01-No 500 Amp 36KA T.P MCCB Schneider / Legrand (For Genrotor Panel), 06-No 200 Amp 25KA T.P MCCB Schneider / Legrand & 04-No 100 Amp 10KA T.P MCCB Schneider / Legrand. i/c 01-No Digital Volt Meter ENTES, 01-No Amp Digital Meter ENTES, 01-No Volt Meter Selector, 01-No Amp Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03Nos Current Transformer (CT) 1000/5, 03-No. Indication lights, 1-No Earth & Neutral link 50 X 10mm, 03Nos Copper Bus bar Size 80 X 10mm 50-No Incoming Thimble & 15Nos Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same

1 No

16 Providing and fixing A/C DB 24" X 36" X 8" of 16-SWG with incoming 01-No. 250Amp 25KA T.P MCCB Breaker, high braking capacity Schneider / Legrand, 05-No. 32Amp 6KA T.P MCB Breaker, Schneider / Legrand, 18-No. 20Amp 6KA S.P MCB Breaker, Schneider / Legrand i/c 01-No Digital Volt Meter, 01-No Volt Meter Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03 Phase + Earth & Neutral Copper Bus bar phase 20 X 6mm 18-No Incoming & Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all

5 No


17 Providing and fixing Main Panel Board Emergency (Genrot0r) Floor Mounted Type 48" X 60" X 18" of 14-SWG with incoming 1-No. 500Amp 50KA T.P MCCB Breaker, high braking capacity Schneider / Legrand. Outgoing 02-No 200 Amp 25KA T.P MCCB Schneider / Legrand, 08-No 60 Amp 10KA T.P MCCB Schneider / Legrand. i/c 01-No Digital Volt Meter, 01-No Amp Digital Meter, 01-No Volt Meter Selector, 01-No Amp Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03Nos Current Transformer (CT) 500/5, 03-No. Indication lights, 1-No Earth & Neutral link, 03Nos Copper Bus bar


1 No

18 Earthing with 8 swg copper wire i/c copper strip. 60x10mm and g.i. Pipe 3/4" dia 100' long complete with sockets. 105 ft below from ground level i/c making bore hole and filling with salt and charcoal mixture etc complete in all respect as approved / directed by engineer incharge.

8 No

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh

  
Executive Engineer,  
Buildings Division  
Narowal.

L

71

## ANALYSIS OF RATES

**Providing and fixing Two Generator Synchronizing & ATS Panel Floor Mounted Type 84" X 60" X 18" of 16-SWG with incoming Details are Below**

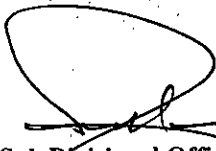
S.No	Description	Qty	Unit	Rate		Amount
<b>A</b>	<b>MATERIAL</b>					
1	M.S Sheet 16SWG (Galvanized, Phasfeting & Powder Coated) Distribution Board size 84"X72"X18"	35	SFT	P-SFT	5,500	192,500
2	Magnetic Contactor 3 Pole 400Amp Schneider / LS,	2	No	Each	190,000	380,000
3	Multi Range Timer Switch With Base	3	No	Each	3,000	9,000
4	Digital Multi Meter ENTES	1	No	Each	65,000	65,000
5	CT 400/5 Amp	3	No	Each	800	2,400
6	Breaker 225Amp MCCB TP			<b>Price Adjustment Old Panel Breaker</b>		
7	Magnetic Contactor 3 Pole 200Amp			<b>Price Adjustment Old Panel Breaker</b>		
8	Synchronizing and Load Sharing Module (Sices)	2	No	Each	170,000	340,000
9	Breaker 6Amp MCB SP Schneider	18	No	Each	890	16,020
10	Breaker 10Amp MCB SP Schneider	8	No	Each	890	7,120
11	CT 250/5 Amp	6	No	Each	800	4,800
12	Battery Charger 24VDC 5A	1	No	Each	7,000	7,000
13	Dry Battery 7AH 12VDC	2	No	Each	1,400	2,800
14	Control Relays 24VDC	9	No	Each	1,200	10,800
15	Cupper bus bar foe 400Amp Breaker 25 X 10mm	45	Kg	Per/Kg	1,850	83,250
16	Outgoing PVC Gland 120mm, 70mm, 35mm 25mm 16mm			Lum Sum	10,000	10,000
17	Internal wiring Control			Lum Sum	10,000	10,000

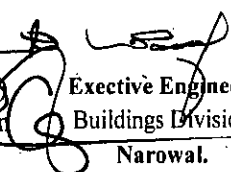


	Internal Power wiring (25mm Single Core Cable)	Lum Sum	30,000	30,000
<b>B</b>	<b>CARRIAGE &amp; HIRE CHARGES</b>			
<b>a</b>	Carriage of Panel from Lahore Factory to site of Shakir Garh	Lum Sum	8,000	8,000
<b>C</b>	<b>Labor charges</b>			
<b>a</b>	Labor for Panel Fitting, Cable Connection with Thimble pressing	Lum Sum	30,000	30,000
<b>c</b>	Testing & commissioning Synchronizing & ATS Panel	Lum Sum	60,000	60,000
<b>TOTAL</b>				<b>1,268,690</b>
<b>Add 20% Contractor Profit+ over head Charges.</b>				<b>253,738</b>
<b>TOTAL</b>				<b>1,522,428</b>

Say Rs. 15,22,000/- Each

Sub Engineer.

  
 (Sub Divisional Officer)  
 Buildings Sub Division  
 Shakargarh.

  
 Executive Engineer  
 Buildings Division  
 Narowal.





### ANALYSIS OF RATES

Providing and fixing Main Panel Board (WAPDA) Floor Mounted Type 48" X 60" X 18" of 14-SWG with incoming 1-No. 1000Amp 50KA ADJ T.P MCCB Breaker, high braking capacity Schneider / Legrand Outgoing 01-No 500 Amp 36KA T.P MCCB Schneider / Legrand (For Genrotor Panel), 06-No 200 Amp 25KA T.P MCCB Schneider / Legrand & 04-No 100 Amp 10KA T.P MCCB Schneider / Legrand. i/c 01-No Digital Volt Meter ENTES, 01-No Amp Digital Meter ENTES, 01-No Volt Meter Selector, 01-No Amp Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03Nos Current Transformer (CT) 1000/5, 03-No. Indication lights, 1-No Earth & Neutral link 50 X 10mm, 03Nos Copper Bus bar Size 80 X 10mm 50-No Incoming Thimble & 15Nos Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all respect and as approved by the Engineer incharge

S.No	Description	Qty	Unit	Rate	Amount
A	MATERIAL				
1	M.S Sheet 16SWG (Galvanized, Phasfeting & Powder Coated) Distribution Board size 48"X60"X18"	20	SFT	P-SFT 4,000	80,000
2	Protection Sheet	LS		6,000	6,000
3	Incoming 1000 Amp ADJ 50KA T.P MCCB Breaker.	1	No	Each 102,437.80	102,438
4	Outgoing 500 Amp 36KA T.P MCCB Breaker. (For Genrotor Panel	1	No	Each 62,417.80	62,418
5	Outgoing 200 Amp 25KA T.P MCCB Breaker.	6	No	Each 26,867.80	161,207
6	Outgoing 100 Amp 10KA T.P MCCB Breaker.	4	No	Each 8,537.80	34,151
7	Digital Volt Meter ENTES	1	No	Each 6,617.80	6,618
8	Digital Amp Meter ENTES	1	No	Each 7,217.80	7,218
9	Selector Switch Amp Meter	1	No	Each 647.80	648
10	Selector Switch Volt Meter	1	No	Each 647.80	648
11	Cupper bus bar 3Ph R+Y+B 80 X 10mm 25RFT X 3.300Kg / Feet	82.5	Kg	Per/Kg 1,850	152,625
12	Cupper bus bar Earth + Nutrel 50 X 10mm 8RFT X 2.058Kg / Feet	16.464	Kg	Per/Kg 1,850	30,458
13	Cupper bus bar foe 500Amp Breaker 30 X 10mm 15RFT X 1.235Kg / Feet	19	Kg	Per/Kg 1,850	34,271
14	Control Breaker	3	No	Each 3,150	9,450
15	LED Indicator Light	3	No	Each 437.80	1,313
16	CT 1000/5 Amp	3	No	Each 4,500	13,500
17	Incoming PVC Gland 240mm	1	No	Each 2,200	2,200
18	Outgoing PVC Gland 120mm, 70mm, 35mm 25mm 16mm		Lum Sum	10,000	10,000

6

19	Internal wiring Control	LS			3,000	3,000
20	Internal Power wiring (50mm Single Core Cable)	6	No	Each	7,000	42,000
21	Internal Power wiring (25mm Single Core Cable)	4	No	Each	4,500	18,000
22	Brass nut bolt	LS			4,000	4,000
B	<b>CARRIAGE &amp; HIRE CHARGES</b>					
a	Carriage of Panel from Lahore Factory to site of Shakir Garh	LS			8,000	8,000
C	<b>Labour charges</b>					
a	Labour for Panel Fitting, Cable Connection with Thimble pressing	LS			30,000	30,000
c	Labour commissioning	LS			5,000	5,000
<b>TOTAL</b>						<b>825,163</b>
Add 10% Contractor Profit. Except Item No-3 to 10 =on Rs 449818/-						<b>44,982</b>
Add 10% over head Charges.						<b>82,516</b>
<b>TOTAL</b>						<b>952,661</b>

Say Rs. 952,661 /- Each

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.

2

.

.

.

.

.

.

## ANALYSIS OF RATES

Providing and fixing A/C DB 24" X 36" X 8" of 16-SWG with incoming 01-No. 250Amp 25KA T.P MCCB Breaker, high braking capacity Schneider / Legrand, 05-No. 32Amp 6KA T.P MCB Breaker, Schneider / Legrand, 18-No. 20Amp 6KA S.P MCB Breaker, Schneider / Legrand i/c 01-No Digital Volt Meter, 01-No Volt Meter Selector, 03-No LED Indication Light, 03Nos Control Fuse 2Amp 03 Phase + Earth & Neutral Copper Bus bar phase 20 X 6mm 18-No Incoming & Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all respect and as approved by the Engineer incharge

S.No	Description	Qty	Unit	Rate	Amount
<b>A</b>	<b>MATERIAL</b>				
1	M.S Sheet 16 SWG (Galvanized, Phasfeting & Powder Coated) Distribution Board size 24"X36"X8"	6	SFT	P-SFT 3,500	21,000
2	Incoming 250Amp 25KA 3 Pole MCCB Breaker.	1	No	Each 26,867.80	26,868
3	Outgoing 32Amp 6KA 3 Pole MCB Breaker.	5	No	Each 6,737.80	33,689
4	Outgoing 20Amp 6KA 1 Pole MCB Breaker.	18	No	Each 1,136.40	20,455
5	Digital Volt Meter	2	No	Each 6,617.80	13,236
6	Selector Switch Amp Meter	2	No	Each 647.80	1,296
7	Copper bus bar 3Ph+N+E 25 X 10mm 8RFT X 0.617	4.936	Kg	Per/Kg 1,850	9,132
8	LED Indicator Light	3	No	Each 437.80	1,313
9	Internal wiring Control & Power	LS		5,000	5,000
<b>B</b>	<b>CARRIAGE &amp; HIRE CHARGES</b>				
a	Carriage of Panel from Lahore Factory to site of Gujarat.	LS		2,000	2,000
<b>C</b>	<b>Labour charges</b>				
a	Labour for Panel Fitting, Cable Connection with Thimble pressing	LS		10,000	10,000
b	Labour commissioning	L.S		2,000	2,000
<b>TOTAL</b>					<b>145,988</b>
Add 10% Contractor Profit. Except Item No-2 to 6 =on Rs 49132/-					<b>4,913</b>
Add 10% over head Charges.					<b>29,198</b>
<b>TOTAL</b>					<b>180,099</b>

Say Rs. 180,099 /- Each

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.  
Page 205



# ANALYSIS OF RATES

Providing and fixing Main Panel Board Emergency (Genrotor) Floor Mounted Type 48" X 60" X 18" of 14-SWG with incoming 1-No. 500Amp 50KA T.P MCCB Breaker, high braking capacity Schneider / Legrand. Outgoing 02-No 200 Amp 25KA T.P MCCB Schneider / Legrand, 08-No 60 Amp 10KA T.P MCCB Schneider / Legrand. i/c 01-No Digital Volt Meter, 01-No Amp Digital Meter, 01-No Volt Meter Selector, 01-No Amp Selector, 03-No LED Indication Light. 03Nos Control Fuse 2Amp 03Nos Current Transformer (CT) 500/5, 03-No. Indication lights, 1-No Earth & Neutral link, 03Nos Copper Bus bar phase 800 50-No Incoming Thimble & 15Nos Out Going Thimble, i/c all necessary internal wiring and Making Required Size hole box in excising Masonry Wall after cutting / chiselling of Bricks and finishing the same Complete in all respect and as approved by the Engineer incharge

S.No	Description	Qty	Unit	Rate	Amount
A	MATERIAL				
1	M.S Sheet 14 SWG (Galvanized, Phasfeting & Powder Coated) Distribution Board size 48"X60"X18"	20	SFT	P-SFT 3,000	60,000
2	Protection Sheet	LS		4,000	4,000
3	Incoming 500 Amp 50KA T.P MCCB Breaker.	1	No	Each 62,417.50	62,418
4	Outgoing 200 Amp 25KA T.P MCCB Breaker.	2	No	Each 26,867.80	53,736
5	Outgoing 60 Amp 25KA T.P MCCB Breaker.	8	No	Each 13,841.50	110,732
6	Digital Volt Meter	1	No	Each 6,617.80	6,618
7	Digital Amp Meter	1	No	Each 7,217.80	7,218
8	Selector Switch Amp Meter	1	No	Each 647.80	648
9	Selector Switch Volt Meter	1	No	Eacn 647.80	648
10	Cupper bus bar foe 500Amp Breaker 30 X 10mm 33RFT X 1.235Kg / Feet	40.755	Kg	Per/Kg 1,850	75,397
11	Control Breaker	3	No	Each 3,150	9,450
12	LED Indicator Light	3	No	Each 437.80	1,313
13	CT 600/5 Amp	3	No	Each 3,000	9,000
14	Incoming & Outgoing PVC Gland 120mm, 70mm, 35mm 25mm 16mm		Lum Sum	10,000	10,000
15	Internal wiring Control	LS		3,000	3,000
16	Internal Power wiring (50mm Single Core Cable)	2	No	Each 7,000	14,000
17	Internal Power wiring (25mm Single Core Cable)	8	No	Each 4,500	36,000

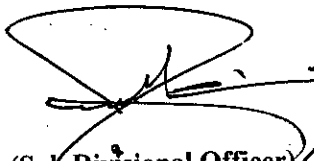


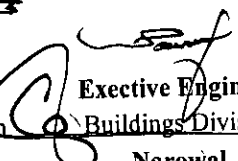
2

<b>B</b>	<b>CARRIAGE &amp; HIRE CHARGES</b>					
a	Carriage of Panel from Lahore Factory to site of Gujarat.	LS			8,000	8,000
<b>C</b>	<b>Labour charges</b>					
a	Labour for Panel Fitting, Cable Connection with Thimble pressing	LS			30,000	30,000
c	Labour commissioning	L.S			5,000	5,000
<b>TOTAL</b>						<b>507,176</b>
Add 10% Contractor Profit. Except Item No-3 to 9 =on Rs 263847/-						<b>26,385</b>
Add 10% over head Charges.						<b>50,718</b>
<b>TOTAL</b>						<b>584,279</b>

Say Rs. 584,279 /- Each

Sub Engineer.

  
 (Sub Divisional Officer)  
 Buildings Sub Division  
 Shakargarh.

  
 Executive Engineer  
 Buildings Division  
 Narowal.

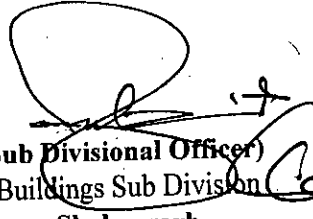


## ANALYSIS OF RATES

P/F Earth boring 3" (75mm dia) 80 to 100 ft. with 1 1/2" PVC Pipe D Class, 16 SWG. Copper wire and 3/4" 10 Feet Long Copper Rode with Earth Camical Earthling, back filling, ramming, complete in all respect.

					For Analysis P-Job.	
S.No.	Description	Qty	Unit	Rate	Amount	
<b>A</b>	<b>MATERIAL</b>					
1	For Boring 3" dia.	100	Rft	P-Rft	194.90	19,490
2	Bonding to earth with wire on surface, including cost of wire, clamps, thimbles, etc Copper wire: i) 16 SWG	100	Rft	P-Rft	17	1,735
3	3/4" 10 Feet Long Copper Rode	10	Rft	P-Rft	2000	20,000
4	1 1/2" PVC Pipe D Class	50	Rft	P-Rft	136.60	6,830
5	Lugs / Thimble 70mm with Brass Nut Bolt & Washal	2	No	Each	250	500
<b>B</b>	<b>CARRIAGE + HIRE CHARGES</b>					
1	Carriage of Material at site to site of work.	L-S		Job	2000	2,000
<b>C</b>	<b>LABOUR</b>					
i.	Electrician	1	No	P-Day	1050	1,050
ii.	Skilled Coolly	1	No	P-Day	750	750
10 % Sundries on Labour Rs:1800/-						180
<b>TOTAL</b>						<b>52,535</b>
Add 10% Contractor Profit Contractor						2,448
Add 10% Over head Charges						5,254
<b>TOTAL</b>						<b>60237</b>

Sub Engineer.

  
 (Sub Divisional Officer) Executive Engineer  
 Buildings Sub Division Buildings Division  
 Shakargarh. Narowal.

4

.

.

.

.

.

.

.

.

.

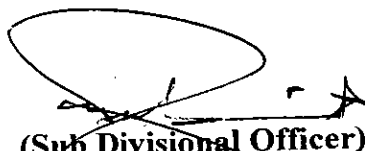
.

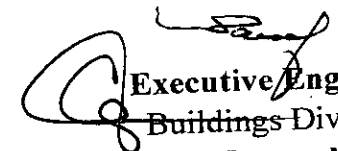
**AMMENDED ROUGH COST ESTIMATE FOR EXTERNAL SEWERAGE AT THQ HOSPITAL**  
**SHAKARGARH DISTRICT NAROWAL.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	Excavation in open cutting for sewer line Man hole etc complete.	4500	7272.55	0% Cft	32726
2	P/L R.C.C pipe 12" dia.	400	637.05	P-Rft	254820
3	P/L R.C.C pipe 9" dia.	200	436.70	P-Rft	87340
4	P/L R.C.C pipe 6" dia.	100	226.95	P-Rft	22695
5	Constn: of Man Hole size ( 4"x4-1/2") etc.	12	38900	Each	466800
6	P/Fixing 6" thick R.C.C Man hole cover with tee shaped C.I.Frame of 22" dia ( frame welding) and as per standard drawing complete in all respect.	10	13402.30	Each	134023
7	Rehandling of earth with one throw of Kassi.	4500	2959.2	0% Cft	13316
		<b>Total =</b>			<b>1011721</b>

**Sub Engineer.**

  
**(Sub Divisional Officer)**  
 Buildings Sub Division,  
 Shakargarh

  
**Executive Engineer,**  
 Buildings Division  
 Narowal.



(80)

**AMMENDED ROUGH COST ESTIMATE FOR EXTERNAL  
SEWERAGE AT T H O HOSPITAL SHAKARGARH DISTRICT  
NAROWAL.**

- 1 Excavation in open cutting for sewer line  
Man hole etc complete.

1x400x2-1/2x3  
1x200x2-1/2x3

	3000	
	1500	
<b>Total</b>	<b>4500</b>	<b>Cft</b>

- 2 P/L R.C.C pipe 12" dia.

1x400

400 Rft

- 3 P/L R.C.C pipe 9" dia.

1x200

200 Rft

- 4 P/L R.C.C pipe 6" dia.

100 Rft

- 5 Constn: of Man Hole size ( 4'x4-1/2') etc.

12 No

- 6 P/Fixing 6" thick R.C.C Man hole cover  
with tee shaped C.I. Frame of 22" dia  
( frame welding) and as per standard  
drawing complete in all respect.

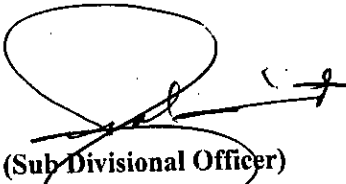
10 No

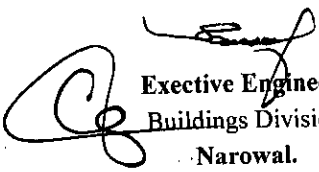
- 7 Rehandling of earth with one throw of  
Kassi.

Same qty item No.1.

4500 Cft

**Sub Engineer.**

  
**(Sub Divisional Officer)**  
Buildings Sub Division  
Shakargarh.

  
**Executive Engineer**  
Buildings Division  
Narowal.





# CONSTRUCTION OF MAN HOLE

1ST BI ANNUAL 2022.

- 1 Earth work excavation in open cutting for sewer line Man Hole 0' to 7' depth:

$$1 \times 4 - 1/2 \times 4 \times 4 \quad \text{Total} = \frac{72 \text{ cft}}{72 \text{ Cft}} \quad \text{Rs. } 7272.55 \quad \%0\text{cft} \quad 524$$

- 2 P/L C.C.(1:6:12) ratio brick or stone ballast 1-1/2" to 2" guage in foundation plinth.

$$1 \times 4 - 1/2 \times 4 \times 1/2 \quad \text{Total} = \frac{9 \text{ Cft}}{9 \text{ Cft}} \quad \text{Rs. } 15009.90 \quad \% \text{cft} \quad 1,351$$

- 3 Pacca brick work (1:4) cement sand mortor in other than building.

$$\begin{array}{l} 1 \times 2 \times 4 - 1/2 \times 3/4 \times 4 - 1/2 \\ 1 \times 2 \times 2 - 1/2 \times 3/4 \times 4 - 1/2 \end{array} \quad \begin{array}{l} 15 \\ 17 \end{array} \quad \text{Total} = \frac{32 \text{ Cft}}{32 \text{ Cft}} \quad \text{Rs. } 27456.95 \quad \% \text{cft} \quad 8,786$$

- 4 1/2" thick cement plaster (1:4) ratio upto 20' high

$$1 \times 2 \times (3 + 2 - 1/2) \times 5 \quad \text{Total} = \frac{55}{55 \text{ Cft}} \quad \text{Rs. } 2595.85 \quad \% \text{cft} \quad 1,428$$

- 5 P/L P.C.C (1:2:4) plain.

$$1 \times 3 \times 2 - 1/2 \times 1/4 \quad \text{Total} = \frac{2 \text{ cft}}{2 \text{ Cft}} \quad \text{Rs. } 35789.37 \quad \% \text{cft} \quad 716$$

- 6 P/L R.C.C (1:2:4) ratio i/c shuttring.

$$1 \times 4 - 1/2 \times 4 \times 1/2 \quad \text{Total} = \frac{9}{9 \text{ Cft}} \quad \text{Rs. } 539.98 \quad \text{P.cft} \quad 4860$$

- 7 Febrication of M.S. reinforcement for C.C. i/c cutting, bending laying in position, D/bar.

$$9 \times 6.75 \times 0.454 \quad \text{Total} = \frac{28 \text{ kg}}{28 \text{ Cft}} \quad \text{Rs. } 25929.15 \quad \% \text{cft} \quad 7,260$$

- 8 P/F 6" thick R.C.C manhole cover with shaped C.I frame of 22" dia frame weighing 37.324 Kg. or one maund as per standard Drawing STD/PD No.6 of 1977, complete in all respect.

$$1 \quad \text{Total} = \frac{1 \text{ No}}{1 \text{ No}} \quad \text{Rs. } 13402.3 \quad \text{P-Set} \quad 13,402$$

- 9 Extra for making and finishing benching floor work in mainhole chamber with 1/8" thick cement finishing.

$$3 \times 3 \times 2 - 1/2 \quad \text{Total} = \frac{23 \text{ sft}}{23 \text{ sft}} \quad \text{Rs. } 2309 \quad \% \text{sft} \quad 531$$

$$\text{Total} = 38,858$$

$$\text{Say, Rs. } 38900/-$$

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK "EXTERNAL ROAD AND PARKING AT  
T.H.Q.HOSPITAL SHAKARGARH" DISTRICT NAROWAL.**

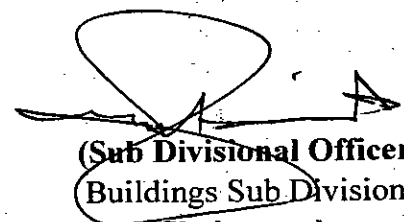
**ABSTRACT OF COST.**

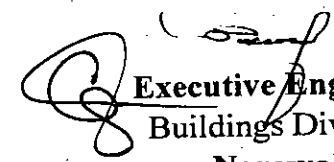
S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	Filling watering ramming earth under floor with new earth excavated from out side lead 3-mile.	1865	15176.45	o%Cft	28304
2	P/L sub bas course of stone product of approved quality and grade i/c placing mixing specking and compaction of sub base material to required depth chamber grade to achieve 100% macximum modified AASHO dry density.(Dina 198 K M)	21218	14548.71	%Cft	3086945
3	P/F tuff pavers having 7000 PSI crushing strength of approved manufacutrer over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require stope complete in all respect.(60.M.M)	44046	126.35	P-Sft	5565212
4	P/L brick or stone ballast 1-1/2" to 2" gauge	151	6091.30	%CFt	9198
5	P/L P.C.C ( 1;2;4) Plain i/c compacting curring.	151	35789.37	%CFt	54042
6	Excavation in foundation of Building in O/soil.	1350	8727.85	o%Cft	11783
7	P/L brick or stone ballast 1-1/2" to 2" gauge ( 1;6;12) ratio.	225	15009.9	%CFt	33772
8	Pacca brick work ( 1;6) in other than buildings.	675	26290.20	%CFt	177459
9	P/L 1/2" thick cement plaster ( 1;3) ratio.	525	2720.40	%Sft	14282



10	P/L P.C.C ( 1;2;4) Plain i/c compacting curring.	56	35789.37	%Cft	20042
11	P/L R.C.C ( 1;2;4) i/c shuttering etc.	281	539.98	P-Cft	151734
12	Fab: of M.S reinforcement i/c cutting bending laying in position ( D/bar)	861	25929.15	%Kg	223250
		Total=			9376024

**Sub Engineer.**

  
**(Sub Divisional Officer)**  
 Buildings Sub Division,  
 Shakargarh.

  
**Executive Engineer,**  
 Buildings Division  
 Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK "EXTERNAL  
ROAD AND PARKING AT T.H.Q.HOSPITAL SHAKARGARH" DISTRICT  
NAROWAL.**

- 1 Filling watering ramming earth under floor with new earth excavated from out side lead 3-mile.

Canteen/s	1X39X25-3/4X(3/4+1/4)/2	502	Cft
B/Side	1X58X19-1/2X1	1131	Cft
	1X16X14-1/2X1	232	Cft
<b>Total</b>		<b>1865</b>	<b>Cft</b>

- 2 P/L sub bas course of stone product of approved quality and grade i/c placing mixing specking and compaction of sub base material to required depth chamber grade to achieve 100% maximum modified AASHO dry density.(Dina 198 K M)

Canteen/s	1X39X25-3/4X1/2	502	Cft
"	1x39-1/2x18-2x1/2	365	Cft
Parking	1x91x50x1/2	2275	Cft
"	1x91+44-1/2/2x175x1/2	5928	Cft
Pharmacy	1x78x9x1/2	351	Cft
"	1x40x9-3/4x1/2	195	Cft
B/side	1x58x19-1/2x1/2	566	Cft
E.M Block	1x16x14-1/2x1/2	116	Cft
Turbine	1x10x10x1/2	50	Cft
Resi./ F.	2x22x10x1/2	220	Cft
R/Centre	2x11-1/2x5x1/2	58	Cft
N/Side	1x58x10x1/2	290	Cft
S.Parking	2x42x10x1/2	420	Cft
"	1x95x28+10/2x1/2	903	Cft
"	1x75x10-1/2+54-1/2/2x1/2	1781	Cft
"	1x22-1/2x5x1/2	56	Cft
"	1x74x75x1/2	2775	Cft
Mourturey	1x43x21x1/2	452	Cft
"	1x65x39x1/2	1268	Cft
M.Bldgs	1x133x28-1/4x1/2	1879	Cft
B/side	1x35x1-1/2x1/2	107	Cft
Lawan	1x78x10x1/2	390	Cft
	1x23x35x1/2	403	Cft
<b>Total</b>		<b>21350</b>	<b>Cft</b>
D/d	1x1x22x1/2	(- )132	Cft
<b>Total</b>		<b>21218</b>	<b>Cft</b>

- 3 P/F tuff pavers having 7000 PSI crushing strength of approved manufacutrer over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require stope complete in all respect.

2x21218	42436	Sft
2x23x35	1610	Sft
Total	<u>44046</u>	Sft

- 4 P/L brick or stone ballast 1-1/2" to 2" gauge with 25% sand mixed.

B/W Front	1x(149-5/8+727+80)x1x1/3	151	Cft
-----------	--------------------------	-----	-----





5	P/L P.C.C ( 1;2;4) Plain i/c compacting curring. B/W Front 1x(149-5/8+727+80)x1x1/3	151	Cft
6	Excavation in foundation of Building in O/soil. Drain 1x150x4-1/2x2	1350	cft
7	P/L brick or stone ballast 1-1/2" to 2" gauge ( 1;6;12) ratio. Drain 1x150x4-1/2x1/3	225	cft
8	Pacca brick work ( 1;6) in other than buildings. Drain. 1x2x150x1-1/8x2	675	Cft
9	P/L 1/2" thick cement plaster ( 1;3) ratio. Drain 1x2x150x1-3/4	525	sft
10	P/L P.C.C ( 1;2;4) Plain i/c compacting curring. Drain 1x150x1-1/8x1/4	56	Cft
11	P/L R.C.C ( 1;2;4) i/c shuttering etc. Drain 1x150x3-3/4x1/2	281	cft
12	Fab: of M.S reinforcement i/c cutting bending laying in position ( D/bar) Drain 281x6.75x0.454	861	Kg

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Exective Engineer  
Buildings Division  
Narowal.



**ANALYSIS OF RATE FOR SUB BASE**

Providing and laying Sub base course shingle gravel aggregate duly compacted, upto 100% of 1 maximum modified AASHTO dry density complete in all respect. (Dina Quarry).

**M.R.S.2nd BI Annual 2021.**

**NWL**

Lead 198 KMs (Dina Quarry).

Basic Rate for Sub Base.

= 5636.25 %Cft

KM No. 1 to 10

255.30 + 118.75 + 89.50 + 61.15 +  
56.45 + 55.35 + 51.05 + 50.40 +  
46.90 + 43.40 = 828.25

KM No. 10 to 198 = 188 x 35.10 = 6598.80

Total:- = 7427.05

7427.05 x 120% = 8912.46

Total:- = 14548.71 14548.71 %Cft

**ANALYSIS OF RATE FOR BASE**

2 Providing and laying Base course of crushed stone water bound macadam aggregate of approved quality and grade, complete in all respect.

**M.R.S.2nd BI Annual 2021.**

Lead 271 KMs

Basic Rate for Base.

= 7403.60 %Cft (S/Wali).

KM No. 1 to 10

255.30 + 118.75 + 89.50 + 61.15 +  
56.45 + 55.35 + 51.05 + 50.40 +  
46.90 + 43.40 = 828.25

KM No. 10 to 200 = 190 x 35.10 = 6669.00

KM No. 201 to 250 = 50 x 3.25 = 162.50

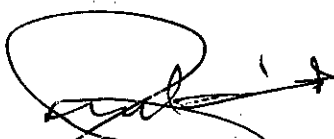
KM No. 251 to 271 = 21 x 2.00 = 42.00

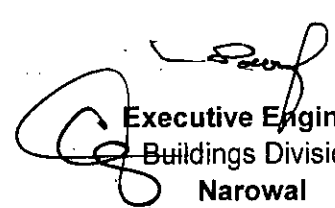
Total:- = 7701.75

7701.75 x 122% = 9396.14

Total:- = 16799.74 16799.74 %Cft

Sub Engineer.

  
Sub Divisional Officer  
Buildings Sub Division  
Shakargarh

  
Executive Engineer  
Buildings Division  
Narowal




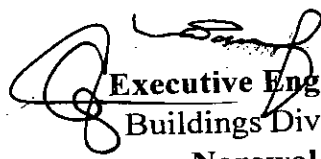
**AMMENDED ROUGH COST ESTIMATE FOR EXTERNAL WATER SUPPLY AT T H Q HOSPITAL**  
**SHAKARGARH DISTRICT NAROWAL.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	Excavation for water supply line etc.	3351	6204	0% Cft	20790
2	P/L G.I pipe 4" dia Heavy quality.	300	1753.25	P-Rft	525975
3	P/L G.I pipe 3" dia Heavy quality.	300	1232.35	P-Rft	369705
4	P/L G.I pipe 2" dia Heavy quality.	200	763.65	P-Rft	152730
5	P/L G.I pipe 1-1/2" dia Heavy quality.	150	545.65	P-Rft	81848
6	P/L G.I pipe 1" dia Heavy quality.	400	366.25	P-Rft	146500
7	P/F Heavy duty Gate wall 4" dia brass made.	1	15000	Each	15000
8	-do- 3" dia.	1	10000	Each	10000
		<b>Total =</b>			<b>1322547</b>

**Sub Engineer.**

  
**(Sub Divisional Officer)**  
 Buildings Sub Division,  
 Shakargarh

  
**Executive Engineer,**  
 Buildings Division  
 Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR EXTERNAL WATER  
SUPPLY AT T H O HOSPITAL SHAKARGARH DISTRICT NAROWAL.**

- 1 Excavation for water supply line etc.

1x258-1/2x2x3  
1x300x2x3

	1551	Cft
	1800	Cft
<b>Total</b>	<b>3351</b>	<b>Cft</b>

- 2 P/L G.I pipe 4" dia Heavy quality.

1x300

300 Rft

- 3 P/L G.I pipe 3" dia Heavy quality.

300 Rft

- 4 P/L G.I pipe 2" dia Heavy quality.

200 Rft

- 5 P/L G.I pipe 1-1/2" dia Heavy quality.

150 Rft

- 6 P/L G.I pipe 1" dia Heavy quality.

400 Rft

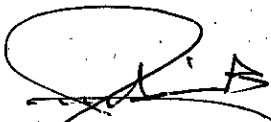
- 7 P/F Heavy duty Gate wall 4" dia brass made.

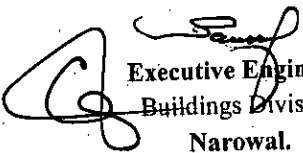
1 No

- 8 -do- 3" dia.

1 No

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

  
Executive Engineer  
Buildings Division  
Narowal.






**AMMENDED ROUGH COST ESTIMATE FOR PROVISION OF  
FIRE ALARM SYSTEM AND SMOKE DETECTOR SYSTEM AT  
TEHSIL HEAD QUARTER HOSPITAL SHAKARGARH.**

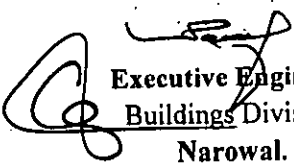
**ABSTRACT OF COST**

- 1 Provision of fire Alarm and smoke  
detector etc, complete in all respect as  
approved by the E.I. Q/A

1	Job	2895887 <del>3388189</del>	P.Job	28,95887 <del>3388189</del>
			Total	<u>3388189</u>
			Say.Rs.	<u>3388000</u>

Sub Engineer,

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

  
Executive Engineer,  
Buildings Division  
Narowal.





Off #: 8, 4th Floor, TELE Tower, Link Road,  
Model Town, Lahore-Pakistan.  
Ph #: 0092 (42) 35443273  
E-mail : info@itbridge.com.pk

Page : 2 / 2

THQ Shakargarh

### QUOTATION FOR ADDRESSABLE FIRE ALARM SYSTEM

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
5	4-LOOP ADDRESSABLE FIRE ALARM CONTROL PANLE				
	Supply and installation of 4 Loop Addressable Fire Alarm Control networkable, 3 supervised relay outputs, 2 monitoring inputs, 2 supervised signalling lines, redundancy "on board", 240x320pix graphic display, Ingress Protection: IP 30 rating and approved shall be from EN 54-2 international standard. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	1	Each	630,000.00	630,000.00
6	INPUT / OUTPUT Module with 4 IN and 4 OUTPUTS. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	2	Nos.	16,850.00	33,700.00
7	Supply of dry chemical powder (DCP) fire extinguisher portable type, 06 KG size stored pressure, standard version with pressure guage, discharge pip and operating level. (Made in CHINA)	16	Nos.	6,530.00	104,480.00
8	Supply of CO2 type portable 03KG fire extinguisher, stored pressure model locking pin to control accidental discharge, rechargeable, seamless body cylinder of carbon steel standard version with discharge pipe and operating leve. (Made in CHINA)	16	Nos.	8,350.00	133,600.00
9	Termination, testing, software Programming with 1 year complete system performance warranty from the manufacturer / Authorized Dealer.	1	JOB	100,000.00	100,000.00
TOTAL AMOUNT					2,413,240.00
17% GST					410,250.80
TOTAL AMOUNT WITH GST (General Sales Tax)					2,823,490.80

Best regards,  
for iT Bridge,

PATAS ANWAR  
(C.E.O)

Cell #: 0321-4631931 / E-mail : info@itbridge.com.pk

E-mail : patras@itbridge.com.pk

Sub Divisional Officer  
Buildings Sub Division

Shakargarh

**HOCHIKI**  
Fire Alarm System

**BOUYER**  
Public Address Sys

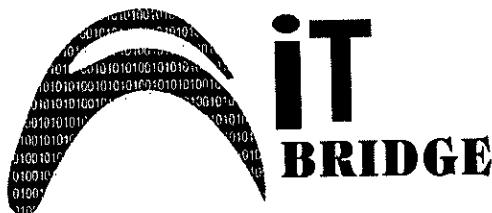
**NOVUS**  
CCTV Systems

**Honeywell**  
CCTV/Fire Alarm Sys

**Kentec**  
Fire Alarm Panels

**3M**  
Data Systems





Off #: 8, 4th Floor, TELE Tower, Link Road,  
Model Town, Lahore-Pakistan.  
Ph #: 0092 (42) 35443273  
E-mail : info@itbridge.com.pk

Page : 2 / 2

THQ Shakargarh

**QUOTATION FOR ADDRESSABLE FIRE ALARM SYSTEM**

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
5	<b>4-LOOP ADDRESSABLE FIRE ALARM CONTROL PANLE</b>				
	Supply and installation of 4 Loop Addressable Fire Alarm Control networkable, 3 supervised relay outputs, 2 monitoring inputs, 2 supervised signalling lines, redundancy "on board", 240x320pix graphic display, Ingress Protection: IP 30 rating and approved shall be from EN 54-2 international standard. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	1	Each	630,000.00	630,000.00
6	INPUT / OUTPUT Module with 4 IN and 4 OUTPUTS. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	2	Nos.	16,850.00	33,700.00
7	Supply of dry chemical powder (DCP) fire extinguisher portable type, 06 KG size stored pressure, standard version with pressure guage, discharge pip and operating level. (Made in CHINA)	16	Nos.	6,530.00	104,480.00
8	Supply of CO2 type portable 03KG fire extinguisher, stored pressure model locking pin to control accidental discharge, rechargeable, seamless body cylinder of carbon steel standard version with discharge pipe and operating leve. (Made in CHINA)	16	Nos.	8,350.00	133,600.00
9	Termination, testing, software Programming with 1 year complete system performance warranty from the manufacturer / Authorized Dealer.	1	JOB	100,000.00	100,000.00
<b>TOTAL AMOUNT</b>					<b>2,413,240.00</b>
<b>17% GST</b>					<b>410,250.80</b>
<b>TOTAL AMOUNT WITH GST (General Sales Tax)</b>					<b>2,823,490.80</b>

Best regards,  
for iT Bridge,

**PATAS ANWAR**  
(C.E.O)

Cell #: 0321-4631931 / E-mail : info@itbridge.com.pk

E-mail : patras@itbridge.com.pk

Sub Divisional Officer  
Buildings Sub Division

**HOCHIKI**  
Fire Alarm System

**BOUYER**  
Public Address Sys

**noVus**  
CCTV Systems

**Honeywell**  
CCTV/Fire Alarm Sys

**Kentec**  
Fire Alarm Panels

**3M**  
Data Systems



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK"**  
**PROVISION OF 3D LOGOS AT TEHSIL HEAD QUARTER**  
**HOSPITAL SHAKARGARH.**

**ABSTRACT OF COST.**

- 1 P/F 3D logo 27 Words i/c light for words in front of OPD Building etc complete in all respect as approved by the Engineer incharge.

1	<b>Job</b>	<b>Rs</b>	139500	<b>P.Job</b>	139500
---	------------	-----------	--------	--------------	--------

- 2 -do- 21 words in Front of Emergency block.

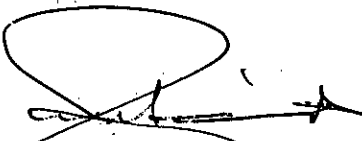
1	<b>Job</b>	<b>Rs</b>	127000	<b>P.Job</b>	127000
---	------------	-----------	--------	--------------	--------

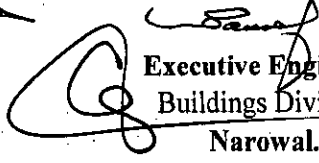
---

<b>Total</b>	<b>266500</b>
--------------	---------------

<b>Say.Rs</b>	<b>266500</b>
---------------	---------------

**Sub Engineer.**

  
 (Sub Divisional Officer)  
 Buildings Sub Division,  
 Shakargarh.

  
 Executive Engineer,  
 Buildings Division  
 Narowal.





**Analysis of rate for 3D Logo 27 Words i/c Light etc complete in all respect as approved by the E.I.**

Unit = P- Job

- 1 P/F 3D logo 27 Words i/c light for words in front of OPD Building etc complete in all respect as approved by the Engineer incharge.

27 Words      3900 P-Word      105300

- 2 Fixing and carriage charges.

11000

Total= 116300

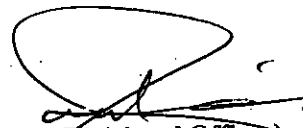
Add 10% Contractor Profit. 11630

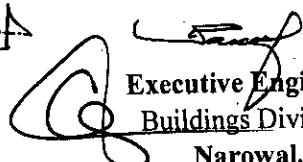
Add 10% Over Head Charges. 11630

Total 139560

Say Rs 139500/- P-Job

Sub Engineer,

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

  
Executive Engineer,  
Buildings Division  
Narowal.



95



**Shield, Award, Medals, House Name Plates**

**Silver & Gold Numbers, Planters & Etc.**

Date 9.7.12.14.21

No.....

M/s.....

Qty	Particulars	Rate	Amount
	79 عسل لفظی دوسے لاکھ ساتہ	3900	105300/-
	فیس اکریم و بڑہ	11000/-	110000/-
		Total	116300/-

M.O.D.

Sub Divisional Officer  
Buildings Sub Division  
Shakargarh

Chowk Jain Mandar Babri Chowk, Old Anarkali Lahore.  
Officer Email: pmclahorepak@gmail.com

Scanned with CamScanner



**Analysis of rate for 3D Logo 21 Words i/c Light etc complete in all respect as approved by the E.I.**

**Unit = P- Job**

- 1 P/F 3D logo 21 Words i/c light for words in front of Emergency Block etc complete in all respect as approved by the Engineer incharge.

21 Words      4500 P-Word      94500

- 2 Fixing and carriage charges.

11000

Total=      105500

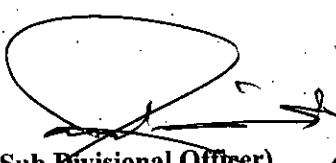
Add 10% Contractor Profit.      10550

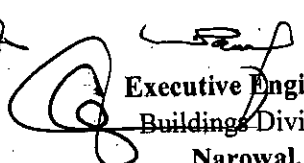
Add 10% Over Head Charges.      10550

**Total      126600**

**Say Rs      127000/- P-Job**

**Sub Engineer.**

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

  
Executive Engineer,  
Buildings Division  
Narowal.









**AMMENDED ROUGH COST ESTIMATE FOR THE WORK"**  
**PROVISION OF ULTRA FILTRATION PLANT AT. TEHSIL HEAD**  
**QUARTER HOSPITAL SHAKARGARH.**

**ABSTRACT OF COST.**

1ST BI-ANNUAL 2022.

- 1 Construction of room size (12'x12') with veranda 4-1/2'wide.

As Per Plinth Area Rate.

1x14-1/4x19-7/8      283      Sft      2810      P-Sft      795230

- 2 Public Health portion.

As Per Plinth Area Rate.

283      Rs      121      P-Sft      34243

- 3 Electric Installation Portion.

As Per Plinth Area Rate.

Total      283      Sft      Rs      160      P-Sft      45280

- 4 Ultra Filtration Plant

DA

3042000

- 5 Provision of Boring 300' deep with Sub Mersible pump.

DA

424120/-  
488800

Total      ~~4397553~~  
4340873/-

Say Rs      4397500

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narowal.



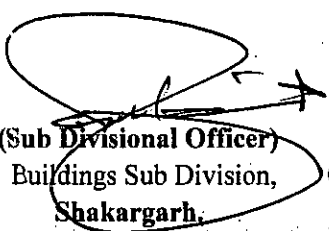
**Analysis of rate for Providing, Installing, Testing, and Commissioning of Ultra Filtration Plant etc, complete in all respect as approved by the E.I.**

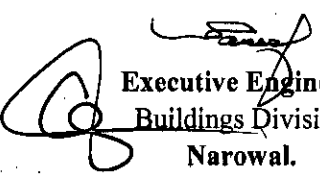
**Unit = P- Job**

1 Providing ,Installing , Testing and Commissioning of  
Ultra Filtration Plant 1000 Litre P-Hour etc.

1 Job	2535000 P-Job	2535000
	Total=	<u>2535000</u>
Add 10% Contractor Profit.		253500
Add 10% Over Head Charges.		<u>253500</u>
	Total	<b>3042000</b>

**Sub Engineer.**

  
(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

  
Executive Engineer,  
Buildings Division  
Narowal.

2

The Sub Divisional Officer  
Buildings Sub Division  
Shakargah.

Date:	20-12-2021
Your reference:	Telecom
Quotation:	LEA-15494/R-1
Our contact:	M. Javald Butt 0323-4154155 Usman Javed 0305-4390530

**Subject: Quotation of 1000 L/H Ultra Filtration Plant with Arsenic and microbiological contamination removal with Header and Storage Tanks.**

Dear Sir,

Further to the telephonic inquiry for quotation of filtration plants, it is a pleasure for KSB to send you the following commercial and technical proposal.

We would like to thank you for considering KSB as a valuable pumps and systems manufacturer for this project.


We stay at your complete disposal for any further information you may need regarding this proposal.

Yours truly,  
For KSB Pumps Company Limited

  
Usman Javed  
Sales Executive

  
M. Javald Butt  
Dy. Manager Sales

Page 1 of 2

  
Sub Divisional Officer  
Buildings Sub Division

KSB PUMPS COMPANY LIMITED  
Registered Office: 14/2 Sir Aga Khan Road, Lahore, Pakistan. U.A.R. +92-42-111-572-786. Tel: +92-42-36304173-4  
Fax: +92-42-36306193, 36366678, 36375180. Email: info@ksb.com.pk, www.ksb.com.pk  
Works: Hazara Road, Hassanabad, Pakistan. Tel: +92-57-2520236. Fax: +92-57-2520237. Email: admin.hassanabad@ksb.com.pk



**Commercial Offer Ultra Filtration Plant**

Providing, installing, testing and commissioning: Complete in all respects without any civil and Electrical work, main source, pump-house, etc.

Total price of 1000 liter per-hour Ultra Filtration plant is PKR. 2,535,000/- inclusive of 17% GST

**SCOPE OF SUPPLY**

1. The scope of supply against above mentioned cost is as under
  - a. Skid Mounted UF Plant will consist of following major supplies
  - b. UF Membrane
  - c. Feed Pump
  - d. FRP Vessel
  - e. Multiport Valve
  - f. Flow Meter
  - g. Control Panel
  - h. Valves & associate Fittings
  - i. Header
  - j. Storage Tanks

Please note that above mentioned cost does not include the any source development & civil works.

**Commercial Terms:**

Validity = 30 Days  
Payment = 100 % advance.  
Delivery = Ex- Customer Site


  
Usman Javed  
Sales Executive

  
M. Javid Butt  
Dy. Manger Sales

**Disclaimer:**

Working out the prices of above mentioned engineered products should be acknowledged as KSB's prerogative. This quotation will have no bearing on previously quoted prices anywhere or on prices to be quoted in future to any prospective client. After expiry of quotation's validity KSB reserves the right to change prices as a result of market forces / manufacturing variables. Procuring Agency is requested to comply with all PPPA rules as it is its responsibility.

Page 2 of 2

  
Sub Divisional Officer  
Buildings Section

KSB PUMPS COMPANY LIMITED  
Registered Office: 16/2 Sir Aga Khan Road, Lahore, Pakistan. UAN: +92-42-111-572-786. Tel: +92-42-36304173-4  
Fax: +92-42-36306192, 36368678, 36375189. Email: info@ksb.com.pk, www.ksb.com.pk  
Works: Hazara Road, Hassanabad, Pakistan. Tel: +92-57-252236 Fax: +92-57-2520237. E-mail: admin.hassanabad@ksb.com.pk





102

## ANALYSIS OF RATE FOR PROVISION OF 300-RFT BORING WITH SUB MERSIBLE PUMP

1ST BI ANNUAL 2022.

1	Boring for tube well in all type 100-ft depth 5" dia.	100	Rft	483.80	P.Rft	48380
2	-do- 101' to 200'.	100	Rft	810.70	P.Rft	81070
3	-do- 200' to 300'.	100	Rft	1131.65	P.Rft	113165
4	P/I P VC blind pipe B.S.S class "D" in tube well bore hole i/c socket and solvents and jointing 4" dia.	100	Rft	687.45	P.Rft	68745
5	-do- 2" dia.	187	Rft	199.10	P.Rft	37232
6	-do-1-1/4" dia	300	Rft	111.30	P.Rft	33390
7	S/E PVC strainer BSS class D' intube well bore hole i/c socket and solvents and jointing with 2" dia.	13	Rft	114.35	P.Rft	1487
8	P/I of bail plug 2" dia D.class. in tube well bore hole.	1	No	84.40	Each	84
9	P/F Sub mersible pump JD-130/i/c electric motor 220 V 1.75 volt i/c steel wire etc china made i/c as approved by the E.I	1	No	<del>25000</del> 25000	Each	<del>25000</del> 25000
10	S/E PVC wire water proof of best quality. 16/0076 As approved by the Engineer incharge.	250	Rft	35	P.Rft	8750
11	P/F control box water proof of Backlite sheet with automatic relay switch imported with power No. to 120' volt as approved by the E.I	1	No	<del>2500</del> 4000	Each	<del>2500</del> 4000
12	S/E of G.I wire No 8.SWG	250	Rft	18.05	P.Rft	4513
13	P/F of Super Tuff / Dura water tanki 500 Gallon capacity as approved by the E.I.	1	No	<del>32500</del> 45000	Each	<del>32500</del> 45000

Total 480815 424,120/-

Say.Rs. 480800

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh.

Executive Engineer,  
Buildings Division  
Narowal.



**AMMENDED ROUGH COST ESTIMATE FOR THE WORK"**  
**REPAIRING OF FILTRATION PLANT 800- G.P.H AT T H Q**  
**HOSPITAL SHAKARGARH DISTRICT NAROWAL.**

**Abstract Of Cost**

1 Repairing of Water Filtration Plant 800 GPH

(A. A)

1	Job	63500	P.Job	63500
---	-----	-------	-------	-------

2 P/F C.P. Bib Cock 1/2" dia.

10	Nos	466.20	Each	4662
----	-----	--------	------	------

3 P/F LED Flod Light 50 watt imported  
as approved by the Engineer incharge.

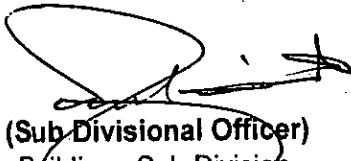
2	Nos	5000	Each	10000
---	-----	------	------	-------

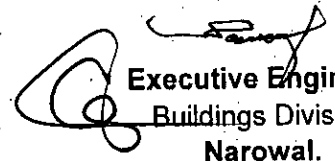
---

Total	78162
-------	-------

Say.Rs.	78000
---------	-------

Sub Engineer.

  
 (Sub Divisional Officer)  
 Buildings Sub Division,  
 Shakargarh

  
 Executive Engineer,  
 Buildings Division  
 Narowal.



**Analysis of rate for Repairing of Water Filtration Plant 800- G.P.H**  
**etc, complete in all respect as approved by the E.I.**

1	Ultravviolet lamp (Atlantic) USA for 800 GPH water filtration plant.	1	No	9500	Each	9500
2	Sand for Filtration 800 GPH water filtration plant.	100	Kg	100	P-Kg	10000
3	Carbon (Hi Tech) Sri Lanka.	2	No	12500	Each	25000
4	Gravel	2	No	2550	Each	5100
5	Jumbo Cartage PPF.	2	No	650	Each	1300
6	Jumbo Cartage PPY.	2	No	950	Each	1900

Total 52800

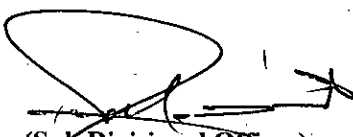
Add 10% Contractor Profit. 5280

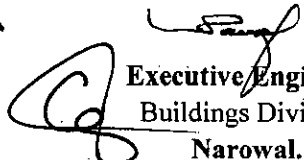
Add 10% Over Head Charges. 5280

Total **63360**

Say Rs 63500/- P-Job

Sub Engineer.

  
 (Sub Divisional Officer)  
 Buildings Sub Division,  
 Shakargarh.

  
 Executive Engineer,  
 Buildings Division  
 Narowal.



# UA WAVE®

## Purification System

We Deal in:  
Swimming Pool, Construction Equipment,  
& Installation, Water Purification Systems,  
Domestic & Commercial, Steam, Sauna Bath

Department Skg

Dated: Jan 23, 2021

inquiry regarding Purchase And Installed Different Items Of Water Filtration Plant for public

ence to the above we are pleased to submit our best proposal as under.

### QUOTATION

#### Water Filtration Plant 800 GPH THQ Shakar Garh

Description	Qty	Rate	Total
Ultraviolet Lamp (Atlantic) USA For 800 GPH Water Filtration Plant	01 No	Rs.95,00/=	Rs.95,00/=
Sand For Filtration 800 GPH Water Filtration Plant	100Kg	Rs.100/=	Rs.10,000/=
Carbon (Hi Tech) Sri Lanka	02 No	Rs.12,500/=	Rs.25,000/=
Gravel	02Nos	Rs.2550/=	Rs.5100/=
Jumbo Cartage PPF	02 Nos	Rs.650/=	Rs.1300/=
Jumbo Cartage PPY	02 Nos	Rs.950/=	Rs.1900/=
Total Amount			Rs.52,800/=

These are valid for 15 days from the date hereof subject to the availability of stock.

you and assuring you of our best services and cooperation all the time.

UA WAVE

Ahmad Bashir

Manager

11-6186162

Office: Bishnalla Center Chowk Kotli Behram Kashmir Road, Sialkot

Contact: 0321-6186162, 0333-6186162

Email: aquawave\_sagheer@yahoo.com

Sub Divisional Officer  
Buildings Sub Division  
Shakargarh

Scanned with CamScanner



4

.

.

.

.

.

.

**AMMENDED ROUGH COST ESTIMATE FOR THE WORK"**  
**RAZOR WIRE / PAINTING OF EXISTING B/ WALL AT**  
**T.H.Q.HOSPITAL SHAKARGARH " DISTRICT NAROWAL.**

**ABSTRACT OF COST.**

1ST BI-ANNUAL 2022.

1 Provision of Razor Wire. DA

1,24,827/-  
201240

2 Painting of B/Wall Jangla. DA

40184

Total.

241424 1,65,011/-

Say Rs =

2,41,500

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Executive Engineer  
Buildings Division  
Narowal.




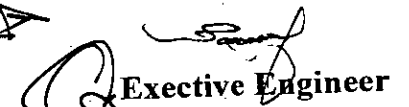
**DETAIL ESTIMATE FOR THE WORK" PROVISION OF RAZOR WIRE AT T.H.Q. HOSPITAL SHAKARGARH "**  
**DISTRICT NAROWAL.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	P/F Razor wire having double sharp of 4-No pointer razor 1-1/4" dia C/C in circular sharp 24" ring 3" C/C fixed with 2-No. M.S bar 1/2"x1/2"x1-1/2"x 3/16" vertically 24" clear hieght and 9" embeded in plain cement concrete (1:2:4) fixed at site i/c labour and carriage charges i/c painting three coat complete as approved by the Engineer Incharge.	387	322.55 <del>520</del>	P-Rft	124827 <del>201240</del>
		Total =			201240

Sub Engineer.

  
 (Sub Divisional Officer)  
 Buildings Sub Division  
 Shakargarh.

  
 Exective Engineer  
 Buildings Division  
 Narowal.

2

**AMMENDED ROUGH ESTIMATE FOR THE WORK" PROVISION OF  
RAZOR WIRE AT T.H.Q. HOSPITAL SHAKARGARH " DISTRICT  
NAROWAL.**

- 1 P/F Razor wire having double sharp of 4-No pointer razor  
1-1/4" dia C/C in circular sharp 24" ring 3" C/C fixed  
with 2-No. M.S bar 1/2"x1/2"x1-1/2"x 3/16" vertically  
24" clear hieght and 9" embeded in plain cement  
concrete (1:2:4) fixed at site i/c labour and carriage  
charges i/c painting three coat complete as approved by the  
Engineer Incharge.

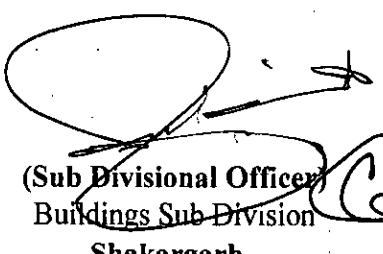
West side

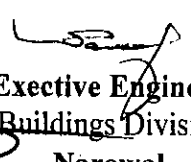
(149.5+237)

387

Rft

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

  
Exective Engineer  
Buildings Division  
Narowal.

2

.

.

.

.

.


.

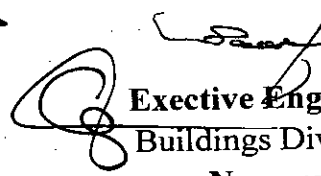
**AMMENDED ROUGH ESTIMATE FOR THE WORK" PAINTING OF EXISTING BOUNDRY WALL JANGLA AT**  
**T.H.Q. HOSPITAL SHAKARGARH " DISTRICT NAROWAL.**

**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	Painting of guard bars,gates of iron bars,grating,railing on old surface two coat.	4872	824.8	%Sft	40184
		Total =			40184

Sub Engineer.

  
(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

  
Exective Engineer  
Buildings Division  
Narowal.





**AMMENDED ROUGH COST ESTIMATE FOR RE-PAIRING OF EXISTING STREET LIGHT AT T H Q**  
**HOSPITAL SHAKARGARH DISTRICT NAROWAL.**  
**ABSTRACT OF COST.**

S.No.	Description of item.	Quantity	Rate	Unit	Amount.
1	P/F electric street light pole 25' high M.S pipe Heavy duty pipe 5" 10 Feet, 4" 5 Feet, 2" 5 Feet and 1-1/2" 5 Feet in curve shape M.S plate 12"x12"x1/2" with 4 Nos Triangular shape supports 8" x4.5"x0.50" 4.Nos 3/4" dia x2 Feet long J Bolt with 2 Nos nut 3/4" dia with washal i/c assembly welded fixing at site silver painting i/c Carriage & labour charges as approved by the Engineer Incharge.	4	<del>70000/-</del> <del>80000/-</del>	Each	<del>280000/-</del> <del>320000/-</del>
2	S/E of 2" dia PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface.	1026	157.95	P-Rft	162057
3	S/E of PVC wire 7/0.044 twin core insulated copper conductoconduit/ G.I. pipe/ wooden strip batten/ wooden, cable, in prelaid PVC pipe M.S. casing and capping/ G.I. wire trenches	1714	128.70	P-Rft	220592
4	Supply and Instalation LED SMD Street Light 120 Watt Turk Plast Fitting in Exisiting Pole.	12	<del>20000/-</del> <del>50000/-</del>	Each	<del>240000/-</del> <del>600000</del>
5	P/F gate light imported as approved by the E.Incharge.	9	<del>14500</del> <del>3500/-</del>	Each	<del>130500</del> <del>31500/-</del>
6	P/F Pannel board electric (Recessed type) size 18"x24"x6" of 18-SWG sheet with iron door and mechanical locking arrangement powder coated paint with 1-No incoming D.P.63-Amp MCCB and 10-Nos; out going single phase 15-20 Amp 5-No 30-Amp MCCB complete with copper strip connection internal wiring cable netural link complete in all respect as approved by the Engineer Incharge.	2	<del>32000/-</del> <del>55500</del>	Each	<del>64000/-</del> <del>111000</del>
7	S/E of ceilig lights 6" dia best quality complete in all respect as approved by the E.I.	60	<del>1000</del> <del>3000</del>	Each	<del>60000/-</del> <del>180000</del>
Total =					<del>1724149</del> <del>10,58,149</del>

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division,  
Shakargarh

Executive Engineer,  
Buildings Division  
Narowal.

2

.

.

.

.

.

.

105  
(11)

**AMMENDED ROUGH COST ESTIMATE FOR RE-PAIRING OF  
EXISTING STREET LIGHT AT T H O HOSPITAL SHAKARGARH  
DISTRICT NAROWAL.**

- 1 P/F electric street light pole 25' hight M.S pipe Heavy duty pipe 5" 10 Feet, 4" 5 Feet, 2" 5 Feet and 1-1/2" 5 Feet in curve shape M.S plate 12"x12"x1/2" with 4 Nos Triangular shape supports 8" x4.5"x0.50" 4.Nos 3/4" dia x2 Feet long J Bolt with 2 Nos nut 3/4" dia with washal i/c assembly welded f ixing at site silver painting i/c Carriage & labour charges asapproved by the Engineer Incharge. 4 No
- 2 S/E of 2"dia PVC pipe for wiring recessed in walls,including inspection boxes,pull boxes,hooks,cutting jharries and repairing surface . 1x(310+310+203+203) 1026 Rft
- 3 S/E of PVC wire 7/0.044 twin core insulated copper conductoconduit/ G.I.pipe/wooden strip batten/wooden, cbale, in prelaid PVC pipeM.S.casing and capping/G.I.wire trenches
- |                     |             |            |
|---------------------|-------------|------------|
| 8x35                | 280         | Rft        |
| 1x(312+312+205+205) | 1034        | Rft        |
| 4x100               | 400         | Rft        |
| <b>Total</b>        | <b>1714</b> | <b>Rft</b> |
- 4 P/F Led light philip type china made 100 watt complete with all respect as approved by theEngineer Incharge. 12 Nos
- 5 P/F gate light imported as approved by the E.Incharge 9 Nos
- 6 P/F Pannel board electric(Recessed type) size 18"x24"x6" of 18-SWG sheet with iron door and mechanical locking arrangement powder coated paint with 1-No incomming D.P.63-Amp MCCB and 10-Nos; out going single phase 15-20 Amp 5-No 30-Amp MCCB complete with copper strip connection internal wiring cable netural link complete in all respect as approved by the Engineer Incharge. 2 Nos
- 7 S/E of Ceiling Lights 6" dia Best Quality complete in all respect as approved by the E.I. 60 Nos

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Exective Engineer  
Buildings Division  
Narowal.



## Analysis Of Rate For

Supply and erection of street light pole consisting of G.I pipe (heavy quality) G.I pipe 5" dia 10' long 4" dia 5' long 2" dia 5' long 1-1/4" dia as bracket socket jointed / welding, fixing base plate of M.S flat 1-1/2' x 1-1/2' x 3/4" 2 Nos. 1-1/2" dia M.S rod 2-1/2' long welded with base plate brackets and 4 Nos. nuts & bolts 3/4" dia 3" long water proof box & fixing circuit breaker 20Amp: 2 Nos. painting i/c cost of labour, material, carriage, etc, complete in all respect and as directed by the Engineer incharge.

Sr.No	Detail	Unit Rate P.Sft				Amount
		Quantity		Rate per unit (Rs)		
	<b>MATERIAL</b>					
1	G.I pipe heavy quality					
i	5" i/dia (23.062)	10.00	Rft	1573.00	P.Rft	15730.00
ii	4" i/dia (23.061)	5.00	Rft	1276.00	P.Rft	6380.00
iii	2" i/dia (23.058)	5.00	Rft	550.00	P.Rft	2750.00
iv	1-1/2" i/dia (23.057)	5.00	Rft	390.00	P.Rft	1950.00
2	M.S plate 18"x18"x3/4"					
i	base Plates (2x1.50x1.50=4.50 Sft					
	4.50 Sftx13.89 kg/Sft=62.52 Kg	62.52	kg	187.00	P.kg	11691.24
ii	for brackets (4x0.50x0.50/2=0.50Sft					
	0.50 sft x13.89 kg/ Sft=6.94 kg	6.94	kg	187.00	P.kg	1297.78
3	M.S rod 1-1/2" dia (1.50ft long)					
	1x1.50 Rft x1.82 kg/Rft=2.73 kg	2.73	kg	150.00	P.kg	409.50
4	Nuts & Bolts 3/4" dia, 3" long.	4.00	Nos	200.00	Each	800.00
5	M.S box water proof	1.00	Nos	1000.00	Each	1000.00
6	circuit breaker 20-Amp:Single pole(DA/1(1).	2.00	Nos	1136.40	Each	2273
7	Carriage of pole from factory to site of work					4500.00
	<b>Total</b>					48781.32
	Contractor profit & overhead 20%					9756.26
	<b>Total</b>					58537.58
8	Excavation in Foundation. 1x2.50x2.50x5.00=31.25 Cft	31.25	Cft	8727.80	%0Cft	272.74
9	P/L PCC 1:4:8 1x2.50x2.50x0.50=3.13 Cft	3.13	Cft	22563.35	%Cft	706.23
10	P/L PCC 1:2:4 1x2x2x5=20 Cft	20.00	Cft	28971.35	%Cft	5794.27
	Painting					3000.00
	<b>Total</b>				<b>Total</b>	<b>68311</b>

Page 277



	<b>LABOUR for making pole</b>					
1	Blacksmith (LB-028)	2.00	No	1050.00	P.day	2100.00
2	Hammer man (LB-021)	2.00	No	830.00	P.day	1660.00
3	Welder (LB-052)	2.00	No	1050.00	P.day	2100.00
	<b>Labour For fixing</b>					
1	Mason (LB-040)	1.00	No	1050.00	P.day	1050.00
2	cooly unskilled (LB-015)	2.00	Nos	780.00	P.day	1560.00
3	Bahashti (LB-017)	2.00	No	780.00	P.day	375.00
	<b>Total</b>					8845.00
	Sundries 10%					884.50
	<b>Total</b>					9729.50
	20% Contracto's & Over Head Chrges					1945.90
	<b>Total</b>					11675.40
	Composite rate for Each					79986.23
				Say Rs.		79990.00

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 District Narowal.

SubEngineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargah.

Executive Engineer  
Buildings Division  
Narowal.





## ANALYSIS OF RATES

Supply and Instalation LED SMD Street Light 120 Watt Turk Plast Fitting in Exisiting Pole.						
S.No.	Description	Qty		Unit	Rate	Amount
A	MATERIAL					
1	Street Light 120 Watt Turk P;ast	1	No	Each	35000	35,000
2	Wire 3/029 Single Core	30	Rft	P-Rft	20.95	629
B	CARRIAGE + HIRE CHARGES					
1	Carriage of Material at site to site of work.	L-S		Job	1000	1,000
C	LABOUR					
a.	Carrige crain for Light Fitting	L-S		Job	5000	5,000
b.	For Termination					
i.	Electrician	0.25	No	P-Day	1050	263
ii.	Skilled Coolly	0.25	No	P-Day	1050	263
TOTAL						42153.5
Add 20% Contractor Profit Contractor over head Charges						8,431
TOTAL						50584

Say Rs Each 50,584 /- P-Light

Sub Engineer.

(Sub Divisional Officer)  
Buildings Sub Division  
Shakargarh.

Exective Engineer  
Buildings Division  
Narowal.



(121)  
115

**ANALYSIS OF RATE FOR ELECTRIC PANEL BOARD PROVIDING AND FIXING ELECTRIC PANEL BOARD (RECESSED TYPE) SIZE 18"x 24" x 6" OF 18-SWG SHEET WITH IRON DOOR AND MECHANICAL LOCKING ARRANGEMENT WITH 1-NO INCOMING 63-AMP; DOUBLE POLE MCCB AND OUT GOING 10-NO MCCB SINGLE POLE 15-20 AMP & 5-NO 30 AMP SINGLE POLE COMPLETE WITH COPPER STRIP ALL INTERNAL WIRING CABLE EARTH LINK NEUTRAL LINK WIRING COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.**

**For analysis purpose = Unit /Each.**

**1st BI Annual 2022.**

**A- MATERIAL.**

1	Flush type panel board size 18"x 24"x 6" of M.S. Sheet 18-SWG i/c locking arrangement and painting.	1	No	10000	Each	10000
2	Incoming 63 Amp (10KA) Double pole MCCB	1	No	5126.20	Each	5126
3	Out going 15-20 Amp (6KA) MCCB single pole.	10	No	866.40	Each.	8664
4	Out going 30 Amp (6KA) MCCB single pole.	5	No	866.40	Each.	4332
5	Indicator light.	3	No	437.80	Each	1313
6	Digital Amper meter.	1	No	7217.80	Each	7218
7	Digital Volt meter.	1	No	6617.80	Each	6618
8	Neutral Link.	1	No	1000	Each	1000
9	Copper strip.	1	No	2000	Each	2000
					<b>Total</b>	<b>46271</b>

**B- LABOUR.**

1	Labour for internal wiring & Electrician (LB-035)	0.25	Day	1050	P-Day	263
2	Mason (LB-040)	0.25	Day	1050	P-Day	263
3	Electrician cooli. (LB-015)	0.25	Day	780	P-Day	195
4	Carriage Charges from Lahore to site.	L.S.				2000
					<b>Total</b>	<b>2720</b>

**(A+B)**

**Total 48991**

Add 10% Contractor Profit on Rs =15720/- 1572

Add 10% Over Head Charges. 4899

**G.Total. 55462**

**Say Rs. 55500/- Each.**

**Sub Engineer.**

**(Sub Divisional Officer)**  
Buildings Sub Division,  
Shakargarh.

**Executive Engineer,**  
Buildings Division  
Narowal.



116

**AMMENDED ROUGH ESTIMATE FOR THE WORK " RE-  
CONSTRUCTION OF TILTED BOUNDARY WALL AT T.H.Q.  
HOSPITAL SHAKARGARH " DISTRICT NAROWAL.**

**GENERAL ABSTRACT.**

*1st Bi-Annual 2022.*

- 1 Construction of B/Wall 9" Thick & 8' high  
with R.C.C .columnn.

West side	(237+149.5)	387	Rft	10167	P-Rft	3934629
-----------	-------------	-----	-----	-------	-------	---------

- 2 Dismantling of Brick masonry with C/S.

1x237x3/4x8	1422	Cft			
1x237x1-1/8x2	533	Cft			
1x149-1/2x3/4x8	897	Cft			
1x149-1/2x1-1/8x2	336	Cft			
<b>Total</b>	<b>3188</b>	<b>Cft</b>	3500.65	%Cft	111601

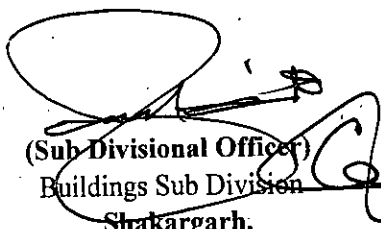
**Total** 4046230

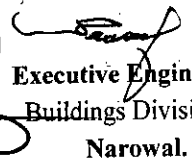
Deduction of Old Material.      (-)      192000

**Total** 3854230

**Say Rs** 3854000

**Sub Engineer.**

  
 (Sub Divisional Officer)  
 Buildings Sub Division  
 Shakargarh.

  
 Executive Engineer  
 Buildings Division  
 Narowal.



**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:**LO21010738  
**A/C To be Credited:**Account-I

PKR Million

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

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010738  
**A/C To be Credited:**Account-I

PKR Million

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

## **9. DEMAND AND SUPPLY ANALYSIS**

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.

## **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	40.000	22.936	3.059	2.980	4.595	7.638	81.209
Utilization	19.717	22.366	2.982	2.764	4.431	1.020	53.852

### **Capital Side:**

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	30.000	30.000
Utilization	0	0	0	0	0	18.050	18.050

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



## **11. PROJECT BENEFITS AND ANALYSIS**

### **11.1 PROJECT BENEFIT ANALYSIS INFORMATION**

#### **Social Benefits with Indicators**

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

#### **11.3.1 Social Impact:**

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

### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

#### **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.

#### **Environmental Impact**

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

### **11.3 PACT ANALYSIS**

undefined

### **11.4 ECONOMIC ANALYSIS**

#### **Impact of Delays on Project Cost and Viability**

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

## 11.5 FINANCIAL ANALYSIS

### Financial Benefits & Analysis

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

#### 11.1.1 Financial Impact:

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

#### 11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government



## 12. IMPLEMENTATION SCHEDULE

### 12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

.

.

## **12.4 M&E PLAN**

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

## **12.5 RISK MITIGATION PLAN**

Attached

## RISK REGISTER

### Programme for Revamping of all THQ Hospitals in Punjab

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

.

### 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

Management Structure and Manpower Requirements

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

### 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

### 15. CERTIFICATE

**Focal Person Name:**Mr. ADEEL ASLAM

**Designation:**Project Director, PMU P&SHD

**Email:**

**Tel. No.:**

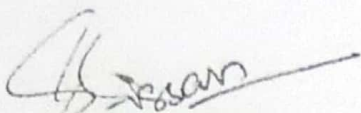
**Fax No:**

**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 Shakargah (3<sup>rd</sup> Revised)" has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

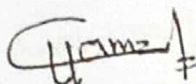
Prepared By:



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

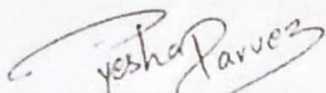


(RIZWAN SHOUKAT)  
PROCUREMENT SPECIALIST, (PMU),  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)



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

Checked By:



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



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

Approved By:



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

## 17. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Shakargarh District Narowal

## 20. MARGINALISATION OF PC-1

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

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