PC-1

# Revamping of THQ Hospital, Hasilpur District Bahawalpur

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| ORIGINAL APPROVED COST | **PKR Million. 365.008/-** |
| ORIGINAL APPROVED GESTATION | **72 Months**<br>**Till June 2025** |
| APPROVAL FORUM | **DDSC (DDSC)** |

## 1. NAME OF THE PROJECT

Revamping of THQ Hospital, Hasilpur District Bahawalpur

## 2. LOCATION OF THE PROJECT

### 2.1. DISTRICT(S)

I. BAHAWALPUR

## 3. AUTHORITIES RESPONSIBLE FOR

### 3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

### 3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

### 3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

### 3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

## 4. PLAN PROVISION

| Sr # | Description |
|---|---|
| 1 | **Source of Funding:**Scheme Listed in ADP CFY |
| 2 | **Proposed Allocation:**0.000 |
| 3 | **GS No:**5268 |
| 4 | **Total Allocation:**0.000 |
| 5 | **Funds Diverted:**0.000 |
| 6 | **Balance Funds:**0.000 |
| 7 | **Comments:**<br>Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million). |

## 5. PROJECT OBJECTIVES

attached

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

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

### 5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

### 5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

**5.3.1 External Development**

**5.3.2 Internal Development**

**5.3.3 Medical Infrastructure Development**

**5.3.4 Emergencies Development**

### 5.3.1 External Development

#### 5.3.1.1 External Platforms

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

#### 5.3.1.2 Façade Improvement

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

#### 5.3.1.3 Sewerage System

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

#### 5.3.1.4 Landscaping (Horticulture)

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

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

#### 5.3.1.5 Water Filtration Plant

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

#### 5.3.1.6 External Electrification

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

#### 5.3.1.7 Parking and Waiting area

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

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

#### 5.3.1.8 External Signage

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

### 5.3.2 Internal development

#### 5.3.2.1 Aesthetic improvement

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

#### 5.3.2.2 Ramp and Stretcher improvement

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

#### 5.3.2.3 Seamless flooring and Lead Lining

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

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

#### 5.3.2.4 Aluminum doors and windows

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

#### 5.3.2.5 Improvement of washroom blocks

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

#### 5.3.2.6 Facilitation of attendants and patients

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

#### 5.3.2.7 Furniture and Fixtures

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

#### 5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

#### 5.3.2.9 Internal Signage and Paintings

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

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

### 5.3.3 Medical Infrastructure Development

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

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

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

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

#### 5.3.3.1 Emergency Department:

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

##### 5.3.3.1.1 General Overview of Emergency Department

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

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

##### 5.3.3.1.2 Position of Emergency Department

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

#### 5.3.3.1.3 Access towards the Emergency Department

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

#### 5.3.3.1.4 Medical Infrastructure Emergency:

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

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

#### 5.3.3.1.5 General Building Interventions:

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

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

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

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

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

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

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

**The PDSA cycle**

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

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

**5.3.3.3 Laboratory**

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

#### 5.3.3.4 X-Ray

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

#### 5.3.3.5 CCU

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

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

#### 5.3.3.6 Dialysis Unit

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

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

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

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

#### 5.3.3.7 Labor Rooms/Nurseries

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

#### 5.3.3.8 Operation Theater

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

#### 5.3.3.9 Orthopedic unit

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

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

#### 5.3.3.10 Gynecology Department

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

#### 5.3.3.11 Surgical Unit

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

#### 5.3.3.12 Intensive Care Unit (ICU)

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

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

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

### 5.3.3.13 Mortuary Unit

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

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

### 5.3.3.14 Dental Unit

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

### 5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

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

**Importance of Physiotherapy and Rehabilitation department**

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

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

**Opportunity Rationale**

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

### 5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

#### 5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

#### 5.3.3.18 Video Surveillance through CCTVs

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

#### 5.3.3.19 Medicine Store

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

#### 5.3.3.20 Day Care Center

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

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

### 5.4 Out Sourcing of Non Clinical Services

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

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

#### 5.4.1 Janitorial services

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

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

#### 5.4.2 Laundry Services

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

### 5.4.3 MEPG Services

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

### 5.4.4 CT Scan Services

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

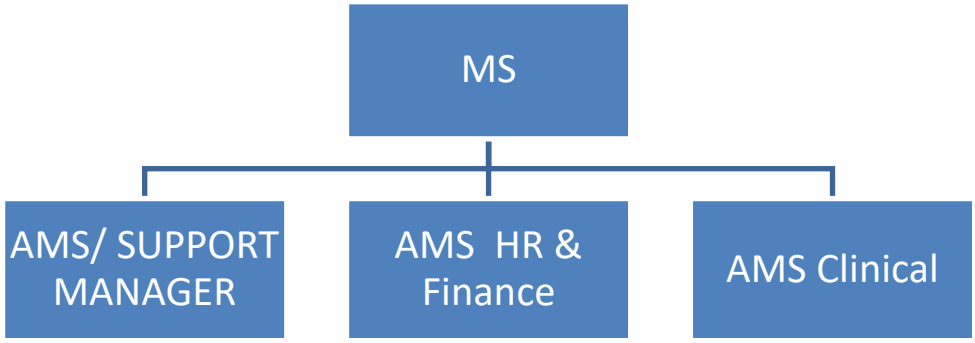
### 5.4.5 Security

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

## 5.6 HR & Management Interventions Structure

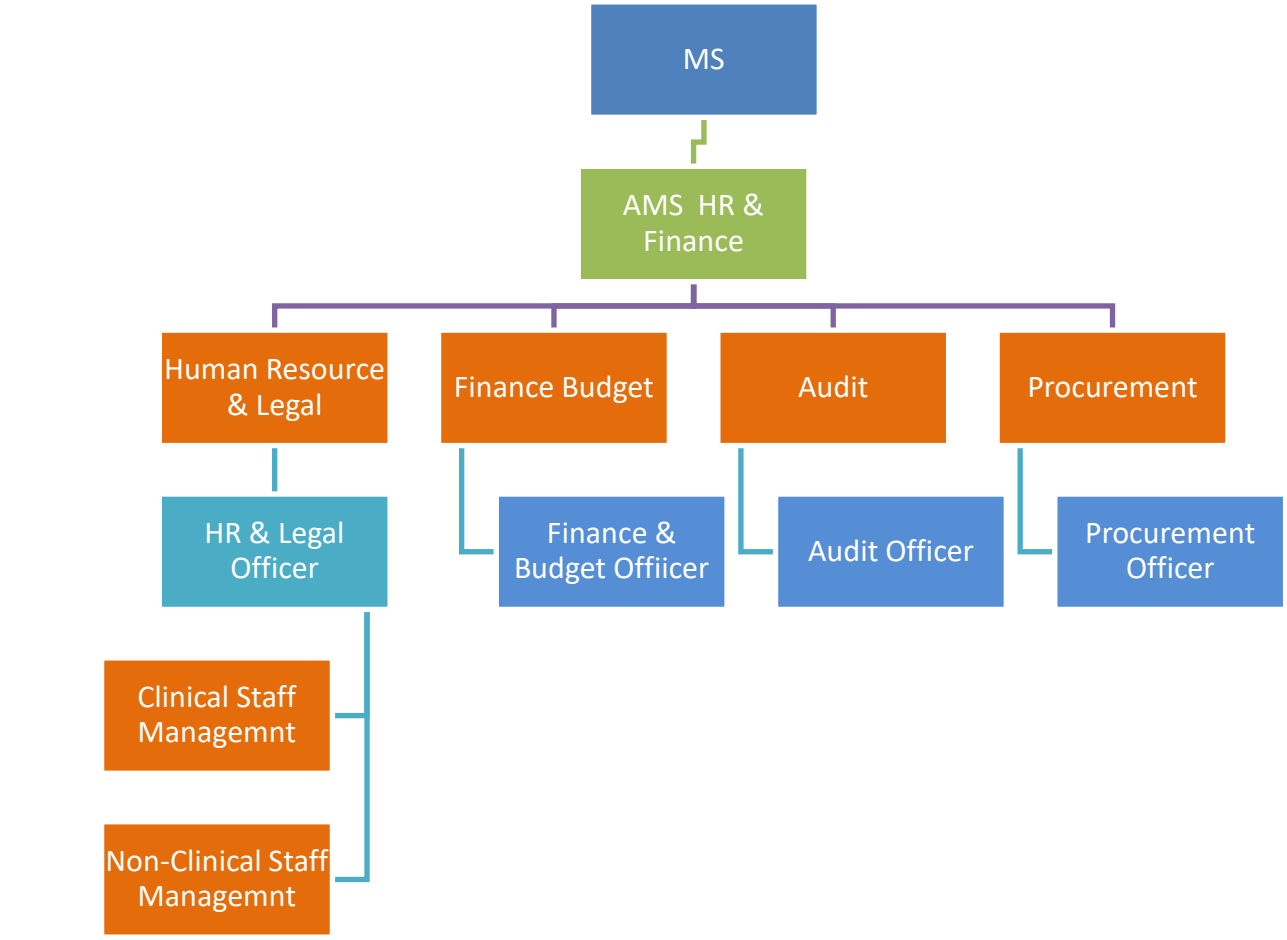
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

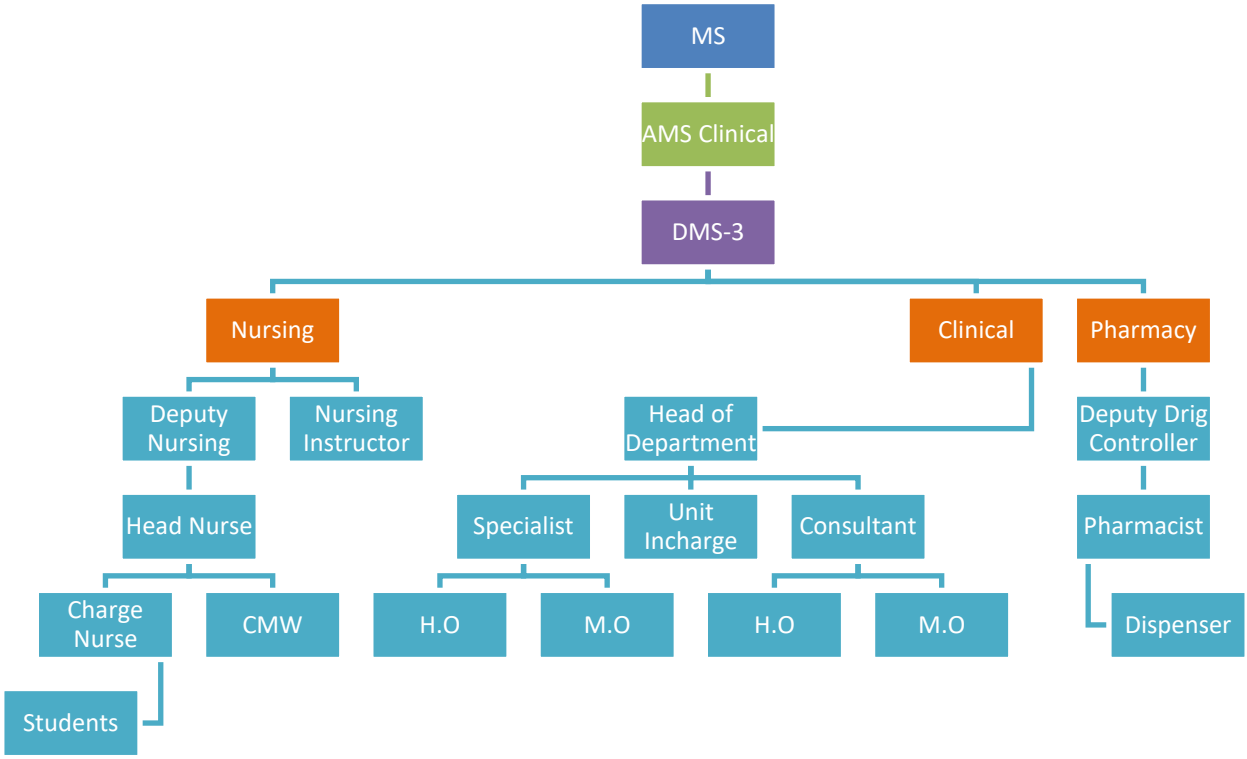
# New Organogram of Hospital




MS

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


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


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

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

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

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

#### 5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

#### 5.6.2.2 AMS Admin.

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

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

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

**New Management Structure (NMS)**

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

### 5.6.2.3 Admin Officer

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

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

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

**Eligibility Criteria**

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

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

### 5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

**Eigibility Criteria**

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

### 5.6.2.5 IT/Statistical Officer

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

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

**Eligibility Criteria**

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

### 5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

**Eigibility Criteria**

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

### 5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

**Eigibility Criteria**

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

### 5.6.2.8 Quality Assurance Officer

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

**Eligible Criteria**

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

   OR

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

### 5.6.2.9 Logistics Officer

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

**Eligible Criteria**

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

### 5.6.2.10 Data Entry Operators (DEO)

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

**Eligible Criteria**

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

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

#### 5.6.2.11 Assistant Admin Officer

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

**Eligibility Criteria**

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

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

#### 5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

**Eligible Criteria**

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

#### 5.7.1.2 Computer Operators

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

**Eligible Criteria**

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

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

**Eligible Criteria**

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

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

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

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

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

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

**5.7.2.2 Objectives**

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

**5.7.2.3 Scope of Work**

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

**5.7.2.4 Reporting Arrangements**

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

**5.7.2.5 Duration of Assignment**

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

**5.7.2.6 Outputs / Key Deliverables**

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

**5.7.2.7 Remunerations**

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

**5.7.2.8 Terms of Payment**

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

**5.7.3 HR for Day Care Center**

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

Shall be responsible for general administrative affairs of DCC.

**Eligibility Criteria**

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

### 5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

**Eligibility Criteria**

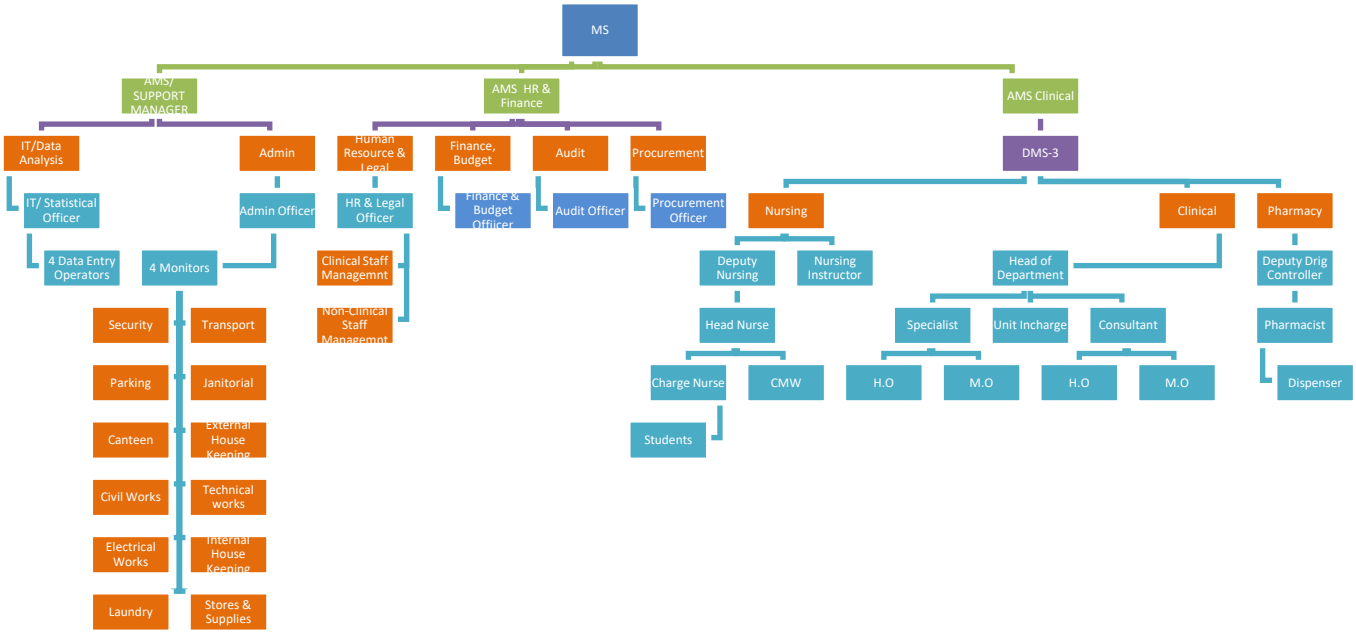
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

### 5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

**Eligibility Criteria**

Minimum qualification Matric or equivalent alongwith diploma in relevant field




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

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

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

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

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

### 5.8 Other Initiatives:

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

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

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

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

## 5.9 Patient Management Protocol

### 5.9.1 Emergency:

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

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

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

**5.9.2 <u>O.P.D:</u>**

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 <u>Death or End of Life Management</u>**.

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

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

### 5.9.4 Inventory Control System

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

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

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

### 5.9.5 Project Monitoring Committee

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

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

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

### 5.10 Relationship with Sectoral Objectives

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

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

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

# 6. DESCRIPTION AND JUSTIFICATION OF PROJECT

## 6.1 JUSTIFICATION OF PROJECT

attached

## 1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Hasilpur District Bahawalpur is more than 0.465 million. The area of the THQ Hospital Hasilpur District Bahawalpur is 293,860 SFT land.

### 6.1 Description and Justification

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

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

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

Care Center, HR, Medical Gases, Cafeteria are fixed in all hospitals as per yardstick established by P& SH Department. Prior to initiation of this exercise standardization of required facilities was done by committee of experts in P & SH Department and on the basis of it, gaps were identified which would be covered under this PC-I.

**Justification for 3rd Revision of PC-I**

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

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

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

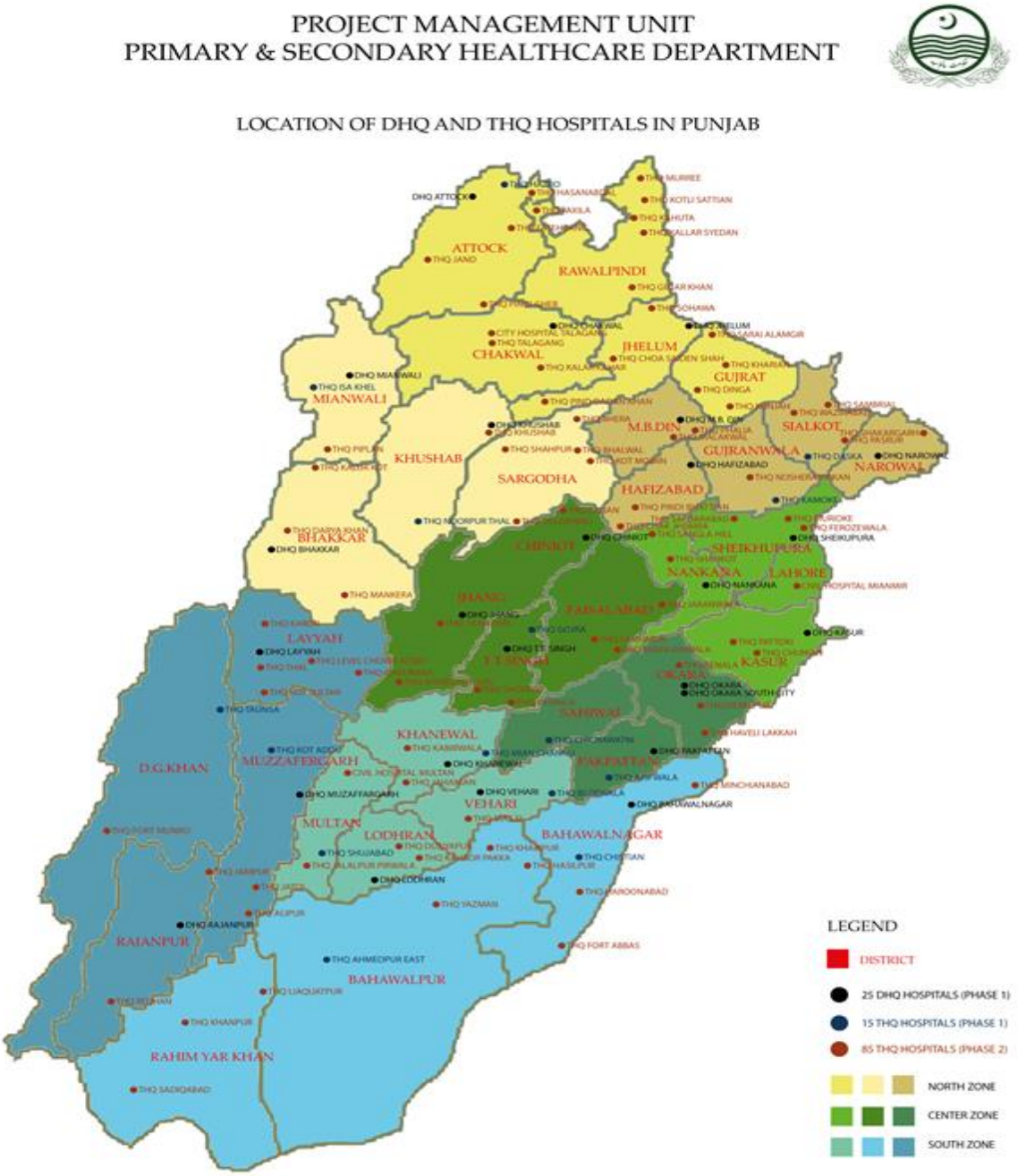
Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department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

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

4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 36.223 million to Rs. 67.618 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

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

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



## 6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

## 7. CAPITAL COST ESTIMATES

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

**Grant Number:**Development - (PC22036)
**LO NO:**LO17011145
**A/C To be Credited:**Assan Assignment

PKR Million

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

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

**Grant Number:**Government Buildings - (PC12042)
**LO NO:**LO22010061
**A/C To be Credited:**Account-I

PKR Million

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** | **0.000** |

# Abstract of Cost

| Name of THQ Hospital | THQ HASILPUR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Original | | | 1st Revised | | | 2nd Revised | | | 3rd Revised | | |
| Scope of work | Cost in million | | | | | | | | | | | |
| | Capital | Revenue | Total | Capital | Revenue | Total | Capital | Revenue | Total | Capital | Revenue | Total |
| **Capital component** | | | | | | | | | | | | |
| Internal development | 0.000 | 22.672 | 22.672 | 0.000 | 22.672 | 22.672 | 25.561 | 10.000 | 35.561 | 44.406 | 10.000 | 54.406 |
| External development | 0.000 | 6.341 | 6.341 | 0.000 | 6.341 | 6.341 | 10.662 | 0.000 | 10.662 | 23.212 | 0.000 | 23.212 |
| Water filtration plant | 0.000 | 5.600 | 5.600 | 0.000 | 5.600 | 5.600 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| **Total Capital Component** | **0.000** | **34.613** | **34.613** | **0.000** | **34.613** | **34.613** | **36.223** | **10.000** | **46.223** | **67.618** | **10.000** | **77.618** |
| **Revenue component** | | | | | | | | | | | | |
| Emergency | 0.000 | 19.687 | 19.687 | 0.000 | 19.687 | 19.687 | 0.000 | 26.796 | 26.796 | 0.000 | 45.651 | 45.651 |
| MSDS | 0.000 | 8.647 | 8.647 | 0.000 | 8.647 | 8.647 | 0.000 | 9.654 | 9.654 | 0.000 | 13.438 | 13.438 |
| Med. Machinery and Equipment | 0.000 | 47.672 | 47.672 | 0.000 | 47.672 | 47.672 | 0.000 | 65.210 | 65.210 | 0.000 | 101.150 | 101.150 |
| Electricity | 0.000 | 15.712 | 15.712 | 0.000 | 15.712 | 15.712 | 0.000 | 15.712 | 15.712 | 0.000 | 24.712 | 24.712 |
| IT & QMS & Surveillance | 0.000 | 14.515 | 14.515 | 0.000 | 14.515 | 14.515 | 0.000 | 16.715 | 16.715 | 0.000 | 20.120 | 20.120 |
| Furniture and Fixtures | 0.000 | 13.504 | 13.504 | 0.000 | 13.504 | 13.504 | 0.000 | 13.504 | 13.504 | 0.000 | 18.788 | 18.788 |
| Interior and Exterior decorations/ Signage | 0.000 | 3.098 | 3.098 | 0.000 | 3.098 | 3.098 | 0.000 | 4.271 | 4.271 | 0.000 | 4.271 | 4.271 |
| Day Care Center | 0.000 | 1.600 | 1.600 | 0.000 | 1.600 | 1.600 | 0.000 | 1.600 | 1.600 | 0.000 | 1.600 | 1.600 |
| Human resource (HR) plan | 0.000 | 17.220 | 17.220 | 0.000 | 17.220 | 17.220 | 0.000 | 38.740 | 38.740 | 0.000 | 54.531 | 54.531 |
| LC Deficit during procurement (currency fluctuation) | | | | | | | | 3.129 | 3.129 | | 3.129 | 3.129 |
| **Total Revenue component** | **0.000** | **141.655** | 141.655 | **0.000** | **141.655** | 141.655 | **0.000** | **195.331** | **195.331** | **0.000** | **287.390** | **287.390** |
| **Outsourcing component** | | | | | | | | | | | | |
| Janitorial Services | 0.000 | 14.793 | 14.793 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Security and Parking services | 0.000 | 6.868 | 6.868 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Laundry Services | 0.000 | 2.400 | 2.400 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Maintenance (Generator) | 0.000 | 2.270 | 2.270 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEP | 0.000 | 3.745 | 3.745 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Medical Gases | 0.000 | 1.304 | 1.304 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Cafeteria | 0.000 | 6.743 | 6.743 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Horticulture services | 0.000 | 4.870 | 4.870 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| **Total outsourcing cost** | **0.000** | **42.993** | 42.993 | **0.000** | **0.000** | 0.000 | **0.000** | **0.000** | 0.000 | **0.000** | **0.000** | 0.000 |
| **Total** | **0.000** | **219.261** | 219.261 | **0.000** | **176.267** | 176.267 | **36.223** | **205.331** | 241.554 | **67.618** | **297.390** | 365.008 |
| **Contingency (1%) only on Civil Component** | 0.000 | 0.346 | 0.346 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| **Third Party Monitoring (TPM) (1%)** | 0.000 | 2.193 | 2.193 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| **Third Party Validation (TPV) (1%)** | 0.000 | 2.193 | 2.193 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| **Grand Total** | **0.000** | **223.992** | **223.992** | **0.000** | **176.267** | **176.267** | **36.223** | **205.331** | **241.554** | **67.618** | **297.390** | **365.008** |

# Emergency Equipment

| | | | | Original | | | 1st Revised | | | 2nd Revised | | | 3rd Revised | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No. | Area | ITEM DESCRIPTION | Yard Stick | Required Quantity (T=5+S=0+E=5) | Actual Unit Price | Actual Total Cost(Rs) | Required Quantity (T=5+S=0+E=5) | Actual Unit Price | Actual Total Cost(Rs) | Required Quantity (T=5+S=0+E=5) | Actual Unit Price | Actual Total Cost(Rs) | Required Quantity (T=5+S=0+E=5) | Actual Unit Price | Actual Total Cost(Rs) |
| 1 | Reception Area | Table | 0 | | 99,750 | - | | 99,750 | - | | 99,750 | - | | 99,750 | - |
| 2 | | Chairs | 0 | | 26,775 | - | | 26,775 | - | | 26,775 | - | | 30,000 | - |
| 3 | | Computer Data Entry With Printer | 1 | 1 | 141,750 | 141,750 | 1 | 141,750 | 141,750 | 1 | 141,750 | 141,750 | 1 | 195,000 | 195,000 |
| 4 | 3 | Table (2.5 X 4)*(N) | 0 | 0 | 101,850 | - | 0 | 101,850 | - | 0 | 101,850 | - | 0 | 101,850 | - |
| 5 | 5 | Chairs *(N) | 0 | 0 | 26,775 | - | 0 | 26,775 | - | 0 | 26,775 | - | 0 | 30,000 | - |
| 6 | Triage area | B.p apparatus wall type*(N) | 3 | 5 | 15,750 | 78,750 | 5 | 15,750 | 78,750 | 5 | 30,000 | 150,000 | 5 | 30,000 | 150,000 |
| 7 | | Gurney WITH FOOT STEP)*(N) | 3 | 5 | 420,000 | 2,100,000 | 5 | 420,000 | 2,100,000 | 5 | 460,000 | 2,300,000 | 5 | 800,000 | 4,000,000 |
| 8 | | Mercury B.P apparatus*(N) | 2 | 4 | 33,600 | 134,400 | 4 | 33,600 | 134,400 | 4 | 36,000 | 144,000 | 4 | 36,000 | 144,000 |
| 9 | | Laryngoscope paeds &adult each*(N) | 2 | 4 | 10,500 | 42,000 | 4 | 10,500 | 42,000 | 4 | 12,000 | 48,000 | 4 | 20,000 | 80,000 |
| 10 | | Diagnostic set*(N) | 1 | 2 | 45,150 | 90,300 | 2 | 45,150 | 90,300 | 2 | 50,000 | 100,000 | 2 | 85,000 | 170,000 |
| 11 | | ECG Machine (with trolley) *(N) | 1 | 2 | 169,785 | 339,570 | 2 | 169,785 | 339,570 | 2 | 180,000 | 360,000 | 2 | 300,000 | 600,000 |
| 12 | | Central oxygen with accessories FOR each | 0 | 0 | 420,000 | - | 0 | 420,000 | - | 0 | - | - | 0 | - | - |
| 13 | | NEBULIZER HD*(N) | 2 | 4 | 125,265 | 501,060 | 4 | 125,265 | 501,060 | 4 | 215,000 | 860,000 | 4 | 300,000 | 1,200,000 |
| 14 | | SUCKER MACHINE*(N) | 1 | 2 | 259,350 | 518,700 | 2 | 259,350 | 518,700 | 2 | 275,000 | 550,000 | 2 | 300,000 | 600,000 |
| 15 | | Resuscitation Trolley (fully equipped )*(N) | 1 | 2 | 244,733 | 489,466 | 2 | 244,733 | 489,466 | 2 | 400,000 | 800,000 | 2 | 600,000 | 1,200,000 |
| 16 | | INSTRUMENT CABINET*N | 1 | 2 | 69,300 | 138,600 | 2 | 69,300 | 138,600 | 2 | 69,300 | 138,600 | 2 | 69,300 | 138,600 |
| 17 | | MEDICINE TROLLY*N | 1 | 2 | 60,900 | 121,800 | 2 | 60,900 | 121,800 | 2 | 60,900 | 121,800 | 2 | 60,900 | 121,800 |
| 18 | Minor O.T | O.T table WITH foot step | 1 | 1 | 1,417,500 | 1,417,500 | 1 | 1,417,500 | 1,417,500 | 1 | 2,000,000 | 2,000,000 | 1 | 2,500,000 | 2,500,000 |
| 19 | | Anesthesia Machine | 1 | 1 | 2,509,554 | 2,509,554 | 1 | 2,509,554 | 2,509,554 | 1 | 3,000,000 | 3,000,000 | 1 | 7,000,000 | 7,000,000 |
| 20 | | Sucker machine | 1 | 1 | 259,350 | 259,350 | 1 | 259,350 | 259,350 | 1 | 275,000 | 275,000 | 1 | 300,000 | 300,000 |
| 21 | | Portable O.T Lights | 1 | 1 | 304,220 | 304,220 | 1 | 304,220 | 304,220 | 1 | 500,000 | 500,000 | 1 | 900,000 | 900,000 |
| 22 | | Ceiling o.t light | 1 | 1 | 414,750 | 414,750 | 1 | 414,750 | 414,750 | 1 | 800,000 | 800,000 | 1 | 950,000 | 950,000 |
| 23 | | Hot air oven | 1 | 1 | 110,000 | 110,000 | 1 | 110,000 | 110,000 | 1 | 385,000 | 385,000 | 1 | 450,000 | 450,000 |
| 24 | | Autoclave | 1 | 1 | 441,000 | 441,000 | 1 | 441,000 | 441,000 | 1 | 550,000 | 550,000 | 1 | 850,000 | 850,000 |
| 25 | | Instrument trolley*N | 1 | 1 | 54,000 | 54,000 | 1 | 54,000 | 54,000 | 1 | 54,000 | 54,000 | 1 | 55,000 | 55,000 |
| 26 | | Defibrillator*N | 1 | 1 | 310,000 | 310,000 | 1 | 310,000 | 310,000 | 1 | 650,000 | 650,000 | 1 | 800,000 | 800,000 |
| 27 | | Instrument cabinet | 1 | 1 | 69,300 | 69,300 | 1 | 69,300 | 69,300 | 1 | 69,300 | 69,300 | 1 | 69,300 | 69,300 |
| 28 | Constant / specialized care room | GURNEYS*N | 4 | | 420,000 | - | | 420,000 | - | | 460,000 | - | | 850,000 | - |
| 29 | | Sucker machine *(N) | 2 | | 259,350 | - | | 259,350 | - | | 275,000 | - | | 300,000 | - |
| 30 | | Nebulizer HD*(N) | 2 | | 125,265 | - | | 125,265 | - | | 215,000 | - | | 300,000 | - |
| 31 | | Center Oxygen supply*N | 1 | | 420,000 | - | | 420,000 | - | | - | - | | - | - |
| 32 | | Resuscitation Trolley (fully equipped )*(N) | 1 | | 237,618 | - | | 237,618 | - | | 400,000 | - | | 600,000 | - |
| 33 | | Defibrillator*N | 1 | | 302,605 | - | | 302,605 | - | | 650,000 | - | | 800,000 | - |
| 34 | | Pulse- oximeter*(N) | 4 | | 104,000 | - | | 104,000 | - | | 160,000 | - | | 225,000 | - |
| 35 | | Bedside-monitor*(N) | 4 | | 301,665 | - | | 301,665 | - | | 550,000 | - | | 1,200,000 | - |
| 36 | | ECG MACHINE)*(N) | 1 | | 169,785 | - | | 169,785 | - | | 169,785 | - | | 300,000 | - |
| 37 | | BP APPARATUS*N | 1 | | 15,750 | - | | 15,750 | - | | 16,000 | - | | 16,000 | - |
| 38 | | FOOT STEP)*(N) | 1 | | 3,150 | - | | 3,150 | - | | 4,000 | - | | 5,500 | - |
| 39 | | ATTANDANT BENCH)*(N) | 1 | | 5,250 | - | | 5,250 | - | | 8,000 | - | | 10,000 | - |
| 40 | 7 | (MOTRIZED BEDS) with accessories (with foot steps*(N) | 7 | 5 | 210,000 | 1,050,000 | 5 | 210,000 | 1,050,000 | 5 | 400,000 | 2,000,000 | 5 | 600,000 | 3,000,000 |
| 41 | 5 | ECG machine(with trolley) *(N) | 1 | 1 | 169,785 | 169,785 | 1 | 169,785 | 169,785 | 1 | 169,785 | 169,785 | 1 | 300,000 | 300,000 |
| 42 | | Pulse- oximeter *(N) | 6 | 5 | 104,000 | 520,000 | 5 | 104,000 | 520,000 | 5 | 160,000 | 800,000 | 5 | 225,000 | 1,125,000 |
| 43 | | Bedside-monitor*(N) | 3 | 3 | 301,665 | 904,995 | 3 | 301,665 | 904,995 | 3 | 550,000 | 1,650,000 | 3 | 1,200,000 | 3,600,000 |
| 44 | | B.P apparatus wall type *(N) | 6 | 5 | 26,250 | 131,250 | 5 | 26,250 | 131,250 | 5 | 30,000 | 150,000 | 5 | 30,000 | 150,000 |

## Emergency Equipment

| Sr. No | Area | ITEM DESCRIPTION | Yard Stick | Original | | | 1st Revised | | | 2nd Revised | | | 3rd Revised | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Required Quantity | Actual Unit Price | Actual Total Cost (Rs.) | Required Quantity | Actual Unit Price | Actual Total Cost (Rs.) | Required Quantity | Actual Unit Price | Actual Total Cost (Rs.) | Required Quantity | Actual Unit Price | Actual Total Cost (Rs.) |
| 45 | Emergency ward | Nebulizer HD *(N) | 2 | 2 | 125,265 | 250,530 | 2 | 125,265 | 250,530 | 2 | 215,000 | 430,000 | 2 | 300,000 | 600,000 |
| 46 | | Resuscitation Trolley (fully equipped) )*(N) | 1 | 1 | 237,618 | 237,618 | 1 | 237,618 | 237,618 | 1 | 400,000 | 400,000 | 1 | 600,000 | 600,000 |
| 47 | | Defibrillator*N | 1 | 1 | 299,153 | 299,153 | 1 | 299,153 | 299,153 | 1 | 650,000 | 650,000 | 1 | 800,000 | 800,000 |
| 48 | | Sucker machine *(N) | 2 | 2 | 259,350 | 518,700 | 2 | 259,350 | 518,700 | 2 | 275,000 | 550,000 | 2 | 300,000 | 600,000 |
| 49 | Generalized | Wheal chairs *(N) | 0 | 0 | 31,500 | - | 0 | 31,500 | - | 0 | 35,000 | - | 0 | 35,000 | - |
| 50 | | Stretcher *(N) | 0 | 0 | 69,300 | - | 0 | 69,300 | - | 0 | 69,300 | - | 0 | 69,300 | - |
| 51 | | ambo bag paeds with Mask*N | 5 | 5 | 15,750 | 78,750 | 5 | 15,750 | 78,750 | 5 | 19,000 | 95,000 | 5 | 19,000 | 95,000 |
| 52 | | ambo bag adult with Mask* N | 5 | 5 | 15,750 | 78,750 | 5 | 15,750 | 78,750 | 5 | 19,000 | 95,000 | 5 | 19,500 | 97,500 |
| 53 | | patient stool * N | 2 | 2 | 4,085 | 8,169 | 2 | 4,085 | 8,169 | 2 | 4,500 | 9,000 | 2 | 5,000 | 10,000 |
| 54 | | Portable x-rays (300 M.A) | 1 | 1 | 3,450,350 | 3,450,350 | 1 | 3,450,350 | 3,450,350 | 1 | 4,300,000 | 4,300,000 | 1 | 9,800,000 | 9,800,000 |
| 55 | | Portable ultra-sound | 1 | 1 | 1,403,325 | 1,403,325 | 1 | 1,403,325 | 1,403,325 | 1 | 1,500,000 | 1,500,000 | 1 | 2,400,000 | 2,400,000 |
| | | **Total** | | | | **19,687,445** | | | **19,687,445** | | | **26,796,235** | | | **45,651,200** |
| | | | | | | 19.687 | | | 19.687 | | | 26.796 | | | 45.651 |

# MSDS

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

# MSDS

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

# Medical Equipment

| | | | | Original | | | | 1st Revised | | | | 2nd Revised | | | | 3rd Revised | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No. | Area | Name of Equipment | Yard Stick | Available Quantity | Required Quantity | Cost per Unit | Total Cost | Available Quantity | Required Quantity | Cost per Unit | Total Cost | Available Quantity | Required Quantity | Cost per Unit | Total Cost | Available Quantity | Required Quantity | Cost per Unit | Total Cost |
| 1 | | Semi Auto Clinical Chemistry Analyzer | 1 | 1 | 0 | 449,295 | - | 1 | 0 | 449,295 | - | 1 | 0 | 550,000 | - | 1 | 0 | 550,000 | - |
| 2 | | Hematology Analyzer | 1 | 0 | 1 | 427,350 | 427,350 | 0 | 1 | 427,350 | 427,350 | 0 | 1 | 550,000 | 550,000 | 0 | 1 | 750,000 | 750,000 |
| 3 | | Electrolyte Analyzer | 1 | 0 | 1 | 427,350 | 427,350 | 0 | 1 | 427,350 | 427,350 | 0 | 1 | 550,000 | 550,000 | 0 | 1 | 550,000 | 550,000 |
| 4 | | Blood Gas Analyzer | 0 | 0 | 0 | 2,744,858 | - | 0 | 0 | 2,744,858 | - | 0 | 0 | 3,200,000 | - | 0 | 0 | 1,400,000 | - |
| 5 | | Clinical Microscope | 1 | 3 | 0 | 132,825 | - | 3 | 0 | 132,825 | - | 3 | 0 | 180,000 | - | 3 | 0 | 250,000 | - |
| 6 | **Laboratory** | Water Bath | 1 | 1 | 0 | 60,000 | - | 1 | 0 | 60,000 | - | 1 | 0 | 157,500 | - | 1 | 0 | 325,000 | - |
| 7 | | Hot air Oven | 1 | 0 | 1 | 210,000 | 210,000 | 0 | 1 | 210,000 | 210,000 | 0 | 1 | 385,000 | 385,000 | 0 | 1 | 450,000 | 450,000 |
| 8 | | Distilled water plant | 1 | 0 | 1 | 52,500 | 52,500 | 0 | 1 | 52,500 | 52,500 | 0 | 1 | 75,000 | 75,000 | 0 | 1 | 125,000 | 125,000 |
| 9 | | Auto pipettes | 10 | 2 | 8 | 31,500 | 252,000 | 2 | 8 | 31,500 | 252,000 | 2 | 8 | 40,500 | 324,000 | 2 | 8 | 45,000 | 360,000 |
| 10 | | glass wares | 0 | 0 | 0 | 105,000 | - | 0 | 0 | 105,000 | - | 0 | 0 | 105,000 | - | 0 | 0 | 105,000 | - |
| 11 | | Centrifuge Machine | 2 | 1 | 1 | 149,336 | 149,336 | 1 | 1 | 149,336 | 149,336 | 1 | 1 | 250,000 | 250,000 | 1 | 1 | 400,000 | 400,000 |
| 12 | | Static X-ray Machine | 1 | 0 | 1 | 4,200,000 | 4,200,000 | 0 | 1 | 4,200,000 | 4,200,000 | 0 | 1 | 6,000,000 | 6,000,000 | 0 | 1 | ######### | 12,000,000 |
| 13 | | Mobile X-Ray Machine | 0 | 1 | 0 | 3,850,524 | - | 1 | 0 | 3,850,524 | - | 1 | 0 | 4,300,000 | - | 1 | 0 | 9,800,000 | - |
| 14 | | Computerized Radiography System | 0 | 1 | 0 | 4,018,245 | - | 1 | 0 | 4,018,245 | - | 1 | 0 | 4,500,000 | - | 1 | 0 | 4,500,000 | - |
| 15 | | Dental X-Ray | 0 | 0 | 0 | 282,975 | - | 0 | 0 | 282,975 | - | 0 | 0 | 350,000 | - | 0 | 0 | 525,000 | - |
| 16 | **X-Rays** | Lead apron and PPE | 2 | 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 | 2 | 0 | 525,000 | - | 2 | 0 | 525,000 | - | 2 | 0 | 525,000 | - | 2 | 0 | 525,000 | - |
| 20 | **Ultrasound** | Portable/Mobile Ultrasound | 0 | 1 | 0 | 1,371,331 | - | 1 | 0 | 1,371,331 | - | 1 | 0 | 1,500,000 | - | 1 | 0 | 2,400,000 | - |
| 21 | | Color Doppler RADIOLOGY | 1 | 0 | 1 | 3,698,310 | 3,698,310 | 0 | 1 | 3,698,310 | 3,698,310 | 0 | 1 | 4,500,000 | 4,500,000 | 0 | 1 | 5,500,000 | 5,500,000 |
| 22 | | ICU MONITOR | 2 | 0 | 2 | 301,665 | 603,330 | 0 | 2 | 301,665 | 603,330 | 0 | 2 | 900,000 | 1,800,000 | 0 | 2 | 1,250,000 | 2,500,000 |
| 23 | | Temporary pace maker | 0 | 0 | 0 | 315,000 | - | 0 | 0 | 315,000 | - | 0 | 0 | 315,000 | - | 0 | 0 | 550,000 | - |
| 24 | | Defibrillator | 1 | 0 | 1 | 299,153 | 299,153 | 0 | 1 | 299,153 | 299,153 | 0 | 1 | 650,000 | 650,000 | 0 | 1 | 800,000 | 800,000 |
| 25 | **CCU** | ECG Machine Three Channel | 2 | 0 | 2 | 169,785 | 339,570 | 0 | 2 | 169,785 | 339,570 | 0 | 2 | 169,785 | 339,570 | 0 | 2 | 300,000 | 600,000 |
| 26 | | ETT Machine | 0 | 0 | 0 | 2,021,838 | - | 0 | 0 | 2,021,838 | - | 0 | 0 | 2,200,000 | - | 0 | 0 | 3,000,000 | - |
| 27 | | Color doplor CARDIOLOGY | 0 | 0 | 0 | 4,681,790 | - | 0 | 0 | 4,681,790 | - | 0 | 0 | 4,800,000 | - | 0 | 0 | 6,000,000 | - |
| 28 | | Suction Pump | 2 | 0 | 2 | 259,350 | 518,700 | 0 | 2 | 259,350 | 518,700 | 0 | 2 | 275,000 | 550,000 | 0 | 2 | 300,000 | 600,000 |
| 29 | | Blood Cabinet | 1 | 2 | 0 | 690,539 | - | 2 | 0 | 690,539 | - | 2 | 0 | 700,000 | - | 2 | 0 | 1,500,000 | - |
| 30 | **Blood Bank** | Centrifuge Machine | 2 | 0 | 2 | 149,336 | 298,673 | 0 | 2 | 149,336 | 298,673 | 0 | 2 | 250,000 | 500,000 | 0 | 2 | 400,000 | 800,000 |
| 31 | | Slide viewer | 1 | 0 | 1 | 42,000 | 42,000 | 0 | 1 | 42,000 | 42,000 | 0 | 1 | 55,000 | 55,000 | 0 | 1 | 55,000 | 55,000 |
| 32 | | Clinical Microscope | 1 | 0 | 1 | 132,825 | 132,825 | 0 | 1 | 132,825 | 132,825 | 0 | 1 | 180,000 | 180,000 | 0 | 1 | 250,000 | 250,000 |
| 33 | **Dialysis Unit (10 beds)** | Computerized Hemo Dialysis Machine | 5 | 4 | 1 | 1,050,000 | 1,050,000 | 4 | 1 | 1,050,000 | 1,050,000 | 4 | 1 | 1,600,000 | 1,600,000 | 4 | 1 | 3,200,000 | 3,200,000 |
| 34 | | Baby Cot | 10 | 4 | 6 | 14,669 | 88,011 | 4 | 6 | 14,669 | 88,011 | 4 | 6 | 16,000 | 96,000 | 4 | 6 | 16,000 | 96,000 |
| 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 | 850,000 | 1,700,000 |
| 36 | | Infant Warmer | 2 | 0 | 2 | 335,638 | 671,276 | 0 | 2 | 335,638 | 671,276 | 0 | 2 | 985,000 | 1,970,000 | 0 | 2 | 1,050,000 | 2,100,000 |
| 37 | **Nursery** | Pulse Oximeter | 6 | 0 | 6 | 104,500 | 627,000 | 0 | 6 | 104,500 | 627,000 | 0 | 6 | 160,000 | 960,000 | 0 | 6 | 225,000 | 1,350,000 |
| 38 | | Infant Incubator | 2 | 2 | 0 | 858,932 | - | 2 | 0 | 858,932 | - | 2 | 0 | 900,000 | - | 2 | 0 | 1,750,000 | - |
| 39 | | Suction Pump | 1 | | 1 | 259,350 | 259,350 | | 1 | 259,350 | 259,350 | | 1 | 275,000 | 275,000 | | 1 | 300,000 | 300,000 |
| 40 | | Hospital Grade Nebulizer Heavy Duty | 2 | 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 | | Anesthesia Machine with Ventilator | 1 | 1 | 0 | 2,509,554 | - | 1 | 0 | 2,509,554 | - | 1 | 0 | 3,000,000 | - | 1 | 0 | 7,000,000 | - |
| 42 | | BED SIDE PATIENT MONITOR | 2 | 0 | 2 | 441,000 | 882,000 | 0 | 2 | 441,000 | 882,000 | 0 | 2 | 550,000 | 1,100,000 | 0 | 2 | 1,200,000 | 2,400,000 |
| 43 | | Defibrillator | 2 | 1 | 1 | 308,713 | 308,713 | 1 | 1 | 308,713 | 308,713 | 1 | 1 | 650,000 | 650,000 | 1 | 1 | 800,000 | 800,000 |
| 44 | | Electrosurgical Unit | 1 | 1 | 0 | 507,530 | - | 1 | 0 | 507,530 | - | 1 | 0 | 700,000 | - | 1 | 0 | 900,000 | - |
| 45 | | Operation Table | 1 | 2 | 0 | 1,426,215 | - | 2 | 0 | 1,426,215 | - | 2 | 0 | 2,000,000 | - | 2 | 0 | 2,500,000 | - |
| 46 | **O.T (04)** | Ceiling Operating Light | 1 | 1 | 0 | 413,013 | - | 1 | 0 | 413,013 | - | 1 | 0 | 800,000 | - | 1 | 0 | 950,000 | - |
| 47 | | STEAM STERILIZER | 1 | 2 | 0 | 3,465,000 | - | 2 | 0 | 3,465,000 | - | 2 | 0 | 4,000,000 | - | 2 | 0 | 7,800,000 | - |
| 48 | | Suction Pump | 2 | | 2 | 259,350 | 518,700 | | 2 | 259,350 | 518,700 | | 2 | 275,000 | 550,000 | | 2 | 300,000 | 600,000 |
| 49 | | Resuscitation trolley With Crash Cart | 2 | 0 | 2 | 244,733 | 489,466 | 0 | 2 | 244,733 | 489,466 | 0 | 2 | 400,000 | 800,000 | 0 | 2 | 600,000 | 1,200,000 |
| 50 | | mayo table | 4 | 0 | 4 | 21,000 | 84,000 | 0 | 4 | 21,000 | 84,000 | 0 | 4 | 23,000 | 92,000 | 0 | 4 | 23,000 | 92,000 |
| 51 | | MOBILE OPERATING LIGHT | 1 | 1 | 0 | 304,220 | - | 1 | 0 | 304,220 | - | 1 | 0 | 400,000 | - | 1 | 0 | 900,000 | - |
| 52 | | Operation Table | 0 | 0 | 0 | 1,426,215 | - | 0 | 0 | 1,426,215 | - | 0 | 0 | 2,000,000 | - | 0 | 0 | 5,000,000 | - |
| 53 | | ORTHOPEDIC DRILL | 0 | 0 | 0 | 1,108,740 | - | 0 | 0 | 1,108,740 | - | 0 | 0 | 1,500,000 | - | 0 | 0 | 4,000,000 | - |
| 54 | **Orthopedic** | Plaster Cutting Pneumatic | 1 | 0 | 1 | 276,250 | 276,250 | 0 | 1 | 276,250 | 276,250 | 0 | 1 | 450,000 | 450,000 | 0 | 1 | 1,500,000 | 1,500,000 |
| 55 | | Pneumatic Tourniquets | 0 | 0 | 0 | 262,500 | - | 0 | 0 | 262,500 | - | 0 | 0 | 262,500 | - | 0 | 0 | 300,000 | - |

# Medical Equipment

| | | | | Original | | | | 1st Revised | | | | 2nd Revised | | | | 3rd Revised | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No. | Area | Name of Equipment | Yard Stick | Available Quantity | Required Quantity | Cost per Unit | Total Cost | Available Quantity | Required Quantity | Cost per Unit | Total Cost | Available Quantity | Required Quantity | Cost per Unit | Total Cost | Available Quantity | Required Quantity | Cost per Unit | Total Cost |
| 56 | | Orthopedic Instruments | 0 | 0 | 0 | 432,623 | - | 0 | 0 | 432,623 | - | 0 | 0 | 550,000 | - | 0 | 0 | 550,000 | - |
| 57 | Gynea (20 beds) | Portable/Mobile Ultrasound | 1 | 1 | 0 | 1,418,958 | - | 1 | 0 | 1,418,958 | - | 1 | 0 | 1,500,000 | - | 1 | 0 | 2,400,000 | - |
| 58 | | Autoclave | 1 | 0 | 1 | 441,000 | 441,000 | 0 | 1 | 441,000 | 441,000 | 0 | 1 | 550,000 | 550,000 | 0 | 1 | 850,000 | 850,000 |
| 59 | | Delivery Set | 10 | 2 | 8 | 31,500 | 252,000 | 2 | 8 | 31,500 | 252,000 | 2 | 8 | 40,000 | 320,000 | 2 | 8 | 65,000 | 520,000 |
| 60 | | Delivery Table | 2 | 1 | 1 | 47,250 | 47,250 | 1 | 1 | 47,250 | 47,250 | 1 | 1 | 47,250 | 47,250 | 1 | 1 | 55,000 | 55,000 |
| 61 | | BED SIDE PATIENT MONITOR | 2 | 0 | 2 | 294,000 | 588,000 | 0 | 2 | 294,000 | 588,000 | 0 | 2 | 550,000 | 1,100,000 | 0 | 2 | 1,200,000 | 2,400,000 |
| 62 | | D & C Set | 2 | 1 | 1 | 34,650 | 34,650 | 1 | 1 | 34,650 | 34,650 | 1 | 1 | 40,000 | 40,000 | 1 | 1 | 60,000 | 60,000 |
| 63 | | Vaccume Extractor | 1 | 1 | 0 | 259,350 | - | 1 | 0 | 259,350 | - | 1 | 0 | 300,000 | - | 1 | 0 | 350,000 | - |
| 64 | | CTG Machine | 1 | 1 | 0 | 628,049 | - | 1 | 0 | 628,049 | - | 1 | 0 | 725,000 | - | 1 | 0 | 900,000 | - |
| 65 | | ECG Machine Three Channel | 1 | 0 | 1 | 169,785 | 169,785 | 0 | 1 | 169,785 | 169,785 | 0 | 1 | 180,000 | 180,000 | 0 | 1 | 300,000 | 300,000 |
| 66 | | Portable O.T Light | 2 | 1 | 1 | 304,220 | 304,220 | 1 | 1 | 304,220 | 304,220 | 1 | 1 | 400,000 | 400,000 | 1 | 1 | 900,000 | 900,000 |
| 67 | | Baby Cot | 2 | 1 | 1 | 14,669 | 14,669 | 1 | 1 | 14,669 | 14,669 | 1 | 1 | 16,000 | 16,000 | 1 | 1 | 16,000 | 16,000 |
| 68 | | Delivery trolly | 2 | 1 | 1 | 47,250 | 47,250 | 1 | 1 | 47,250 | 47,250 | 1 | 1 | 47,250 | 47,250 | 1 | 1 | 47,250 | 47,250 |
| 69 | | Desktop Fetal Heart Rate Detector | 1 | 1 | 0 | 144,375 | - | 1 | 0 | 144,375 | - | 1 | 0 | 175,000 | - | 1 | 0 | 200,000 | - |
| 70 | Surgical Emergency (10 beds) | Steam Sterilizer | 0 | 0 | 0 | 3,355,849 | - | 0 | 0 | 3,355,849 | - | 0 | 0 | 4,000,000 | - | 0 | 0 | 7,800,000 | - |
| 71 | | Operation Table | 0 | 2 | 0 | 1,426,215 | - | 2 | 0 | 1,426,215 | - | 2 | 0 | 2,000,000 | - | 2 | 0 | 2,500,000 | - |
| 72 | | MOBILE OPERATING LIGHT | 0 | 3 | 0 | 285,466 | - | 3 | 0 | 285,466 | - | 3 | 0 | 400,000 | - | 3 | 0 | 900,000 | - |
| 73 | | Suction Pump | 0 | 3 | 0 | 259,350 | - | 3 | 0 | 259,350 | - | 3 | 0 | 275,000 | - | 3 | 0 | 300,000 | - |
| 74 | | Laryngoscope | 0 | 2 | 0 | 9,744 | - | 2 | 0 | 9,744 | - | 2 | 0 | 12,000 | - | 2 | 0 | 20,000 | - |
| 75 | | Set of Surgical Instruments | 0 | 2 | 0 | 141,750 | - | 2 | 0 | 141,750 | - | 2 | 0 | 160,000 | - | 2 | 0 | 220,000 | - |
| 76 | Others | Stretcher | 10 | 0 | 10 | 68,250 | 682,500 | 0 | 10 | 68,250 | 682,500 | 0 | 10 | 69,300 | 693,000 | 0 | 10 | 69,300 | 693,000 |
| 77 | | wheel chair | 10 | 0 | 10 | 31,500 | 315,000 | 0 | 10 | 31,500 | 315,000 | 0 | 10 | 35,000 | 350,000 | 0 | 10 | 35,000 | 350,000 |
| 78 | | foot support | 6 | 0 | 6 | 4,200 | 25,200 | 0 | 6 | 4,200 | 25,200 | 0 | 6 | 4,500 | 27,000 | 0 | 6 | 5,148 | 30,888 |
| 79 | | Resuscitation trolly With Crash Cart | 5 | 0 | 5 | 237,618 | 1,188,091 | 0 | 5 | 237,618 | 1,188,091 | 0 | 5 | 400,000 | 2,000,000 | 0 | 5 | 600,000 | 3,000,000 |
| 80 | | BP Appratus | 15 | 20 | 0 | 15,750 | - | 20 | 0 | 15,750 | - | 20 | 0 | 16,000 | - | 20 | 0 | 16,000 | - |
| 81 | | Ventilator | 0 | 1 | 0 | 2,195,080 | - | 1 | 0 | 2,195,080 | - | 1 | 0 | 3,500,000 | - | 1 | 0 | 5,500,000 | - |
| 82 | | CPAP | 1 | 1 | 0 | 1,098,510 | - | 1 | 0 | 1,098,510 | - | 1 | 0 | 2,100,000 | - | 1 | 0 | 2,800,000 | - |
| 83 | | X-RAY PROCESSOR | 1 | 0 | 1 | 858,440 | 858,440 | 0 | 1 | 858,440 | 858,440 | 0 | 1 | 925,000 | 925,000 | 0 | 1 | 1,200,000 | 1,200,000 |
| 84 | | Hand wash Scrub Double Bay | 2 | 0 | 2 | 94,500 | 189,000 | 0 | 2 | 94,500 | 189,000 | 0 | 2 | 100,000 | 200,000 | 0 | 2 | 140,000 | 280,000 |
| 85 | | Image Inensifier | 0 | 0 | 0 | 4,667,460 | - | 0 | 0 | 4,667,460 | - | 0 | 0 | 4,667,460 | - | 0 | 0 | ######### | - |
| 86 | | Central Medical Gass Pipe Line System | 7 | 0 | 7 | 850,000 | 5,950,000 | 0 | 7 | 850,000 | 5,950,000 | 0 | 7 | - | - | 0 | 7 | - | - |
| 87 | ICU | Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench | 4 | 0 | 4 | 210,000 | 840,000 | 0 | 4 | 210,000 | 840,000 | 0 | 4 | 400,000 | 1,600,000 | 0 | 4 | 600,000 | 2,400,000 |
| 88 | | Sphygmomanometer wall mtd | 4 | 0 | 4 | 15,750 | 63,000 | 0 | 4 | 15,750 | 63,000 | 0 | 4 | 30,000 | 120,000 | 0 | 4 | 35,000 | 140,000 |
| 89 | | Resuscitation trolly With Crash Cart | 2 | 0 | 2 | 244,733 | 489,466 | 0 | 2 | 244,733 | 489,466 | 0 | 2 | 400,000 | 800,000 | 0 | 2 | 600,000 | 1,200,000 |
| 90 | | Defibrilator | 1 | 0 | 1 | 299,153 | 299,153 | 0 | 1 | 299,153 | 299,153 | 0 | 1 | 650,000 | 650,000 | 0 | 1 | 800,000 | 800,000 |
| 91 | | Defibrillator with Monitor | 0 | 0 | 0 | 330,750 | - | 0 | 0 | 330,750 | - | 0 | 0 | 650,000 | - | 0 | 0 | 800,000 | - |
| 92 | | ECG Machine Three Channel | 0 | 0 | 0 | 169,785 | - | 0 | 0 | 169,785 | - | 0 | 0 | 180,000 | - | 0 | 0 | 300,000 | - |
| 93 | | Syringe pump | 1 | 0 | 1 | 108,780 | 108,780 | 0 | 1 | 108,780 | 108,780 | 0 | 1 | 125,000 | 125,000 | 0 | 1 | 200,000 | 200,000 |
| 94 | | Suction Pump | 0 | 0 | 0 | 259,350 | - | 0 | 0 | 259,350 | - | 0 | 0 | 275,000 | - | 0 | 0 | 300,000 | - |
| 95 | | ICU Monitor | 0 | 0 | 0 | 298,200 | - | 0 | 0 | 298,200 | - | 0 | 0 | 900,000 | - | 0 | 0 | 1,250,000 | - |
| 96 | | Instrument Trolley | 1 | 0 | 1 | 55,000 | 55,000 | 0 | 1 | 55,000 | 55,000 | 0 | 1 | 55,000 | 55,000 | 0 | 1 | 55,000 | 55,000 |
| 97 | | Ward instruments | 0 | 0 | 0 | - | - | 0 | 0 | - | - | 0 | 0 | - | - | 0 | 0 | - | - |
| 98 | | Ventilator intensive care | 2 | 0 | 2 | 1,600,000 | 3,200,000 | 0 | 2 | 1,600,000 | 3,200,000 | 0 | 2 | 3,500,000 | 7,000,000 | 0 | 2 | 5,500,000 | 11,000,000 |
| 99 | | CPAP with humidifier | 0 | 0 | 0 | 1,098,510 | - | 0 | 0 | 1,098,510 | - | 0 | 0 | 2,100,000 | - | 0 | 0 | 2,800,000 | - |
| 100 | | DELIVERY TROLLY STAINLESS STEEL | 1 | 0 | 1 | 23,835 | 23,835 | 0 | 1 | 23,835 | 23,835 | 0 | 1 | 47,250 | 47,250 | 0 | 1 | 47,250 | 47,250 |
| 101 | | Ambu-Bag, adult | 4 | 0 | 4 | 17,325 | 69,300 | 0 | 4 | 17,325 | 69,300 | 0 | 4 | 19,000 | 76,000 | 0 | 4 | 19,000 | 76,000 |
| 102 | | Ambu-Bag, paeds | 4 | 0 | 4 | 17,325 | 69,300 | 0 | 4 | 17,325 | 69,300 | 0 | 4 | 19,000 | 76,000 | 0 | 4 | 19,000 | 76,000 |
| 103 | MORTUERY | TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley | 1 | 0 | 1 | 2,470,546 | 2,470,546 | 0 | 1 | 2,470,546 | 2,470,546 | 0 | 1 | 3,000,000 | 3,000,000 | 0 | 1 | 3,500,000 | 3,500,000 |
| 104 | Dental Unit | Dental Unit | 2 | 0 | 2 | 2,190,000 | 4,380,000 | 0 | 2 | 2,190,000 | 4,380,000 | 0 | 2 | 2,820,000 | 5,640,000 | 0 | 2 | 2,820,000 | 5,640,000 |
| 105 | | Autoclave | 1 | 0 | 1 | 441,000 | 441,000 | 0 | 1 | 441,000 | 441,000 | 0 | 1 | 550,000 | 550,000 | 0 | 1 | 850,000 | 850,000 |
| 106 | | Dental X-RAY Machine | 1 | 0 | 1 | 282,975 | 282,975 | 0 | 1 | 282,975 | 282,975 | 0 | 1 | 350,000 | 350,000 | 0 | 1 | 525,000 | 525,000 |
| 107 | | Digital Intra Oral Camera | 0 | 0 | 0 | 94,500 | - | 0 | 0 | 94,500 | - | 0 | 0 | 150,000 | - | 0 | 0 | 600,000 | - |
| 108 | | DENTAL CAUTERY | 0 | 0 | 0 | 84,000 | - | 0 | 0 | 84,000 | - | 0 | 0 | 160,000 | - | 0 | 0 | 900,000 | - |
| 109 | | Ultrasonic scaling | 1 | 0 | 1 | 120,750 | 120,750 | 0 | 1 | 120,750 | 120,750 | 0 | 1 | 175,000 | 175,000 | 0 | 1 | 300,000 | 300,000 |

## 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 |
| 110 | | Curing lights | 1 | 0 | 1 | 52,500 | 52,500 | 0 | 1 | 52,500 | 52,500 | 0 | 1 | 95,000 | 95,000 | 0 | 1 | 150,000 | 150,000 |
| 111 | | Endo motor system | 1 | 0 | 1 | 199,601 | 199,601 | 0 | 1 | 199,601 | 199,601 | 0 | 1 | 265,000 | 265,000 | 0 | 1 | 500,000 | 500,000 |
| 112 | | Dental cabinet | 0 | 0 | 0 | 42,000 | - | 0 | 0 | 42,000 | - | 0 | 0 | 70,000 | - | 0 | 0 | 160,000 | - |
| 113 | | Dental examination/surgical instrument sets | 4 | 0 | 4 | 157,500 | 630,000 | 0 | 4 | 157,500 | 630,000 | 0 | 4 | 175,000 | 700,000 | 0 | 4 | 175,000 | 700,000 |
| 114 | | Shortwave diathermy | 1 | 0 | 1 | 844,562 | 844,562 | 0 | 1 | 844,562 | 844,562 | 0 | 1 | 1,500,000 | 1,500,000 | 0 | 1 | 2,750,000 | 2,750,000 |
| 115 | | Infrared Radiation | 1 | 0 | 1 | 142,916 | 142,916 | 0 | 1 | 142,916 | 142,916 | 0 | 1 | 315,222 | 315,222 | 0 | 1 | 526,500 | 526,500 |
| 116 | | TENS(Transcutaneous Electrical Nerve | 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 | **Physiotherapy unit** | Treadmill | 1 | 0 | 1 | 335,111 | 335,111 | 0 | 1 | 335,111 | 335,111 | 0 | 1 | 950,000 | 950,000 | 0 | 1 | 1,404,000 | 1,404,000 |
| 123 | | Mats | 1 | 0 | 1 | 75,817 | 75,817 | 0 | 1 | 75,817 | 75,817 | 0 | 1 | 150,000 | 150,000 | 0 | 1 | 292,500 | 292,500 |
| 124 | | Quadriceps Bench | 1 | 0 | 1 | 189,164 | 189,164 | 0 | 1 | 189,164 | 189,164 | 0 | 1 | 425,000 | 425,000 | 0 | 1 | 750,000 | 750,000 |
| 125 | | Ergometer Cycling | 1 | 0 | 1 | 66,087 | 66,087 | 0 | 1 | 66,087 | 66,087 | 0 | 1 | 175,000 | 175,000 | 0 | 1 | 409,500 | 409,500 |
| 126 | | Mirror | 1 | 0 | 1 | 24,640 | 24,640 | 0 | 1 | 24,640 | 24,640 | 0 | 1 | 45,000 | 45,000 | 0 | 1 | 400,000 | 400,000 |
| 127 | | Floor Mounted Parallel Bars | 1 | 0 | 1 | 87,821 | 87,821 | 0 | 1 | 87,821 | 87,821 | 0 | 1 | 150,000 | 150,000 | 0 | 1 | 590,000 | 590,000 |
| 128 | | Pully System | 1 | 0 | 1 | 41,826 | 41,826 | 0 | 1 | 41,826 | 41,826 | 0 | 1 | 128,594 | 128,594 | 0 | 1 | 409,500 | 409,500 |
| 129 | | Trollies | 4 | 0 | 4 | 2,520 | 10,080 | 0 | 4 | 2,520 | 10,080 | 0 | 4 | 35,000 | 140,000 | 0 | 4 | 50,000 | 200,000 |
| 130 | | Stool(Steel) | 4 | 0 | 4 | 2,520 | 10,080 | 0 | 4 | 2,520 | 10,080 | 0 | 4 | 7,000 | 28,000 | 0 | 4 | 10,000 | 40,000 |
| 131 | **Beds** | Fowler beds with Mattress | 40 | 0 | 40 | 70,000 | 2,800,000 | 0 | 40 | 70,000 | 2,800,000 | 0 | 40 | 110,000 | 4,400,000 | 0 | 40 | 150,000 | 6,000,000 |
| | | **Total** | | | | | **47,671,566** | | | | **47,671,566** | | | | **65,209,691** | | | | **101,150,388** |
| | | | | | | | **47.672** | | | | **47.672** | | | | **65.210** | | | | **101.150** |

## 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) | 1 | 4,000,000 | 4,000,000 | 1 | 4,000,000 | 4,000,000 | 1 | 4,000,000 | 4,000,000 | 2 | 6,500,000 | 13,000,000 |
| 5 | Generator (100 KVA) | 0 | 2,300,000 | - | 0 | 2,300,000 | - | 0 | 2,300,000 | - | 0 | 2,300,000 | - |
| 6 | 2 Ton air conditioners (split) | 48 | 55,500 | 2,664,000 | 48 | 55,500 | 2,664,000 | 48 | 55,500 | 2,664,000 | 48 | 55,500 | 2,664,000 |
| 7 | 2 Ton air conditioners (Cabinet) | 28 | 78,000 | 2,184,000 | 28 | 78,000 | 2,184,000 | 28 | 78,000 | 2,184,000 | 28 | 78,000 | 2,184,000 |
| 8 | 4 Ton air conditioners (Cabinet) | 2 | 120,000 | 240,000 | 2 | 120,000 | 240,000 | 2 | 120,000 | 240,000 | 2 | 120,000 | 240,000 |
| 9 | Ceiling Fans 56" | 100 | 3,090 | 309,000 | 100 | 3,090 | 309,000 | 100 | 3,090 | 309,000 | 100 | 3,090 | 309,000 |
| 10 | Exhaust Fans | 36 | 3,000 | 108,000 | 36 | 3,000 | 108,000 | 36 | 3,000 | 108,000 | 36 | 3,000 | 108,000 |
| 11 | Bracket Fans 18" | 48 | 3,280 | 157,440 | 48 | 3,280 | 157,440 | 48 | 3,280 | 157,440 | 48 | 3,280 | 157,440 |
| 12 | Dual Connection of Electricity / Express Line | 1 | 5,000,000 | 5,000,000 | 1 | 5,000,000 | 5,000,000 | 1 | 5,000,000 | 5,000,000 | 1 | 5,000,000 | 5,000,000 |
| | **Total** | | | **15,712,440** | | | **15,712,440** | | | **15,712,440** | | | **24,712,440** |
| | | | | **15.712** | | | **15.712** | | | **15.712** | | | **24.712** |

## IT & QMS & Surveillance

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

# Furniture and Fixtures

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

# Signage and plaques

| | | | Original | | | 1st Revised | | | 2nd Revised | | | 3rd Revised | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sr No** | **Type** | **Kinds of Sign Boards** | **Quantity** | **Rates** | **Cost** | **Quantity** | **Rates** | **Cost** | **Quantity** | **Rates** | **Cost** | **Quantity** | **Rates** | **Cost** |
| | | **External Sign Boards** | | | | | | | | | | | | |
| 1 | A1 | External Platform/Road Signage (Circular) | 6 | 10,119 | 60,714 | 6 | 10,119 | 60,714 | 6 | 13,951 | 83,706 | 6 | 13,951 | 83,706 |
| 2 | A2 | External Platform/Road Signage (Triangular) | 6 | 9,257 | 55,542 | 6 | 9,257 | 55,542 | 6 | 12,762 | 76,574 | 6 | 12,762 | 76,574 |
| 3 | B1 | Main Directional Board | 1 | 112,496 | 112,496 | 1 | 112,496 | 112,496 | 1 | 155,107 | 155,107 | 1 | 155,107 | 155,107 |
| 4 | C1 | Directional Board (Single Sheet) | 10 | 14,454 | 144,540 | 10 | 14,454 | 144,540 | 10 | 19,929 | 199,290 | 10 | 19,929 | 199,290 |
| 5 | C2 | Directional Board (Two Sheets) | 1 | 22,495 | 22,495 | 1 | 22,495 | 22,495 | 1 | 31,016 | 31,016 | 1 | 31,016 | 31,016 |
| 6 | C3 | Directional Board (Three Sheets) | 1 | 30,158 | 30,158 | 1 | 30,158 | 30,158 | 1 | 41,581 | 41,581 | 1 | 41,581 | 41,581 |
| 7 | C4 | Directional Board (Four Sheets) | 1 | 37,243 | 37,243 | 1 | 37,243 | 37,243 | 1 | 51,351 | 51,351 | 1 | 51,351 | 51,351 |
| 8 | C5 | Directional Board (Five Sheets) | 1 | 45,228 | 45,228 | 1 | 45,228 | 45,228 | 1 | 62,360 | 62,360 | 1 | 62,360 | 62,360 |
| 9 | C6 | Directional Board (Six Sheets) | 1 | 52,808 | 52,808 | 1 | 52,808 | 52,808 | 1 | 72,810 | 72,810 | 1 | 72,810 | 72,810 |
| 10 | C7 | Additional Panel (For Fixation on existing Foundation & Posts) | 3 | 7,944 | 23,832 | 3 | 7,944 | 23,832 | 3 | 10,952 | 32,857 | 3 | 10,952 | 32,857 |
| 11 | D1 | Departmental Signage on Building | 6 | 47,206 | 283,236 | 6 | 47,206 | 283,236 | 6 | 65,087 | 390,524 | 6 | 65,087 | 390,524 |
| 12 | E1 | External Map Boards | 2 | 41,187 | 82,374 | 2 | 41,187 | 82,374 | 2 | 56,788 | 113,576 | 2 | 56,788 | 113,576 |
| | | **Internal Signage** | 0 | | - | 0 | | - | 0 | - | - | 0 | - | - |
| 1 | F1 | Internal Hanging Signage (Main Entrance) | 5 | 90,873 | 454,365 | 5 | 90,873 | 454,365 | 5 | 125,294 | 626,472 | 5 | 125,294 | 626,472 |
| 2 | F2 | Internal Hanging Signage (Main Entrance 2) | 5 | 69,188 | 345,940 | 5 | 69,188 | 345,940 | 5 | 95,396 | 476,980 | 5 | 95,396 | 476,980 |
| 3 | F3 | Internal Hanging Signage (Corridor) | 4 | 51,241 | 204,964 | 4 | 51,241 | 204,964 | 4 | 70,651 | 282,604 | 4 | 70,651 | 282,604 |
| 4 | F4 | Internal Hanging Signage (Corridor 2) | 4 | 51,835 | 207,340 | 4 | 51,835 | 207,340 | 4 | 71,470 | 285,880 | 4 | 71,470 | 285,880 |
| 5 | G1 | Internal Department Signage on wall | 7 | 13,107 | 91,749 | 7 | 13,107 | 91,749 | 7 | 18,071 | 126,498 | 7 | 18,071 | 126,498 |
| 6 | H1 | Specialist Name Plaques fixed on wall | 20 | 3,767 | 75,340 | 20 | 3,767 | 75,340 | 20 | 5,194 | 103,880 | 20 | 5,194 | 103,880 |
| 7 | J1 | Room Name Plaques and Numbers fixed on wall | 100 | 866 | 86,600 | 100 | 866 | 86,600 | 100 | 1,194 | 119,420 | 100 | 1,194 | 119,420 |
| 8 | K1 | Internal Wall Signage | 100 | 1,423 | 142,300 | 100 | 1,423 | 142,300 | 100 | 1,961 | 196,140 | 100 | 1,961 | 196,140 |
| 9 | L1 | Room Numbers Fixed on Wall | 50 | 3,611 | 180,550 | 50 | 3,611 | 180,550 | 50 | 4,978 | 248,920 | 50 | 4,978 | 248,920 |
| 10 | M1 | Advance Fire Exit Sign | 10 | 1,837 | 18,370 | 10 | 1,837 | 18,370 | 10 | 2,534 | 25,340 | 10 | 2,534 | 25,340 |
| 11 | M2 | Fire Exit Sign Mounted Above the Door | 10 | 1,271 | 12,710 | 10 | 1,271 | 12,710 | 10 | 1,753 | 17,528 | 10 | 1,753 | 17,528 |
| 12 | N1 | Fire Safety/Equipment Signage | 20 | 2,434 | 48,680 | 20 | 2,434 | 48,680 | 20 | 3,357 | 67,144 | 20 | 3,357 | 67,144 |
| 13 | P1 | Floor Map Board | 5 | 21,088 | 105,440 | 5 | 21,088 | 105,440 | 5 | 29,075 | 145,376 | 5 | 29,075 | 145,376 |
| 14 | Q1 | Caution Signage | 25 | 2,173 | 54,325 | 25 | 2,173 | 54,325 | 25 | 2,996 | 74,900 | 25 | 2,996 | 74,900 |
| 15 | Q2 | Caution Signage | 5 | 653 | 3,265 | 5 | 653 | 3,265 | 5 | 902 | 4,508 | 5 | 902 | 4,508 |
| 16 | Q3 | Caution Signage | 10 | 1,143 | 11,430 | 10 | 1,143 | 11,430 | 10 | 1,576 | 15,764 | 10 | 1,576 | 15,764 |
| 17 | Q4 | Caution Signage | 15 | 888 | 13,320 | 15 | 888 | 13,320 | 15 | 1,225 | 18,375 | 15 | 1,225 | 18,375 |
| | | **Total** | | | **3,007,354** | | | **3,007,354** | | | **4,146,482** | | | **4,146,482** |
| | | Designing and Site Supervision | | | 90,221 | | | 90,221 | | | 124,394 | | | 124,394 |
| | | **Grand Total** | | | **3,097,575** | | | **3,097,575** | | | **4,270,877** | | | **4,270,877** |
| | | | | | 3.098 | | | 3.098 | | | 4.271 | | | 4.271 |

# DAY CARE CENTER

## Yard Stick as per Women Dvelopment Department

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

# DAY CARE CENTER

## Yard Stick as per Women Dvelopment Department

| | | Original | | | 1st Revised | | | 2nd Revised | | | 3rd Revised | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No. | ITEMS | Yard Stick (DCC of 25 Kids) | Unit Cost | Total | Yard Stick (DCC of 25 Kids) | Unit Cost | Total | Yard Stick (DCC of 25 Kids) | Unit Cost | Total | Yard Stick (DCC of 25 Kids) | Unit Cost | Total |
| 48 | Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc) | 6 | 1,500 | 9,000 | 6 | 1,500 | 9,000 | 6 | 1,500 | 9,000 | 6 | 1,500 | 9,000 |
| 49 | Long Roads with Stands | 1 | 1,500 | 1,500 | 1 | 1,500 | 1,500 | 1 | 1,500 | 1,500 | 1 | 1,500 | 1,500 |
| 50 | Number Rods | 1 | 500 | 500 | 1 | 500 | 500 | 1 | 500 | 500 | 1 | 500 | 500 |
| 51 | Stand Number Rods | 1 | 800 | 800 | 1 | 800 | 800 | 1 | 800 | 800 | 1 | 800 | 800 |
| 52 | Soft toys | 2 | 700 | 1,400 | 2 | 700 | 1,400 | 2 | 700 | 1,400 | 2 | 700 | 1,400 |
| 53 | Infants Manual Weight Machine | 1 | 1,000 | 1,000 | 1 | 1,000 | 1,000 | 1 | 1,000 | 1,000 | 1 | 1,000 | 1,000 |
| 54 | Toddlers Manual Weight Machine | 1 | 1,000 | 1,000 | 1 | 1,000 | 1,000 | 1 | 1,000 | 1,000 | 1 | 1,000 | 1,000 |
| 55 | Tri Cycles | 4 | 3,500 | 14,000 | 4 | 3,500 | 14,000 | 4 | 3,500 | 14,000 | 4 | 3,500 | 14,000 |
| 56 | Wooden Cots | 10 | 10,000 | 100,000 | 10 | 10,000 | 100,000 | 10 | 10,000 | 100,000 | 10 | 10,000 | 100,000 |
| 57 | Mattresses for Cots | 10 | 1,200 | 12,000 | 10 | 1,200 | 12,000 | 10 | 1,200 | 12,000 | 10 | 1,200 | 12,000 |
| 58 | Pillows | 10 | 300 | 3,000 | 10 | 300 | 3,000 | 10 | 300 | 3,000 | 10 | 300 | 3,000 |
| 59 | Bed Sheets and pillow covers | 20 | 400 | 8,000 | 20 | 400 | 8,000 | 20 | 400 | 8,000 | 20 | 400 | 8,000 |
| 60 | Nets | 10 | 600 | 6,000 | 10 | 600 | 6,000 | 10 | 600 | 6,000 | 10 | 600 | 6,000 |
| 61 | High Chairs for feeding | 15 | 3,000 | 45,000 | 15 | 3,000 | 45,000 | 15 | 3,000 | 45,000 | 15 | 3,000 | 45,000 |
| 62 | Rockers Cum Bouncer | 8 | 2,500 | 20,000 | 8 | 2,500 | 20,000 | 8 | 2,500 | 20,000 | 8 | 2,500 | 20,000 |
| 63 | Cot Mobile | 10 | 1,500 | 15,000 | 10 | 1,500 | 15,000 | 10 | 1,500 | 15,000 | 10 | 1,500 | 15,000 |
| 64 | Plastic Chairs (Round edges Animal Shapes) | 7 | 600 | 4,200 | 7 | 600 | 4,200 | 7 | 600 | 4,200 | 7 | 600 | 4,200 |
| 65 | Multi-Purpose Table | 2 | 3,000 | 6,000 | 2 | 3,000 | 6,000 | 2 | 3,000 | 6,000 | 2 | 3,000 | 6,000 |
| 66 | Writing Board | 1 | 500 | 500 | 1 | 500 | 500 | 1 | 500 | 500 | 1 | 500 | 500 |
| 67 | Electric Sterilizer | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 |
| 68 | Electric Warmer | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 |
| 69 | Table sets | 2 | 4,000 | 8,000 | 2 | 4,000 | 8,000 | 2 | 4,000 | 8,000 | 2 | 4,000 | 8,000 |
| 70 | Rocker | 6 | 3,200 | 19,200 | 6 | 3,200 | 19,200 | 6 | 3,200 | 19,200 | 6 | 3,200 | 19,200 |
| 71 | Activity Gym (Infants) | 5 | 2,000 | 10,000 | 5 | 2,000 | 10,000 | 5 | 2,000 | 10,000 | 5 | 2,000 | 10,000 |
| 72 | Play Gym | 5 | 2,700 | 13,500 | 5 | 2,700 | 13,500 | 5 | 2,700 | 13,500 | 5 | 2,700 | 13,500 |
| 73 | Activity Gym (Toddlers) | 5 | 2,000 | 10,000 | 5 | 2,000 | 10,000 | 5 | 2,000 | 10,000 | 5 | 2,000 | 10,000 |
| 74 | Toiler Training Seat | 10 | 3,000 | 30,000 | 10 | 3,000 | 30,000 | 10 | 3,000 | 30,000 | 10 | 3,000 | 30,000 |
| 75 | Infant Toys | 30 | 4,000 | 120,000 | 30 | 4,000 | 120,000 | 30 | 4,000 | 120,000 | 30 | 4,000 | 120,000 |
| 76 | Bath Toys | 15 | 1,000 | 15,000 | 15 | 1,000 | 15,000 | 15 | 1,000 | 15,000 | 15 | 1,000 | 15,000 |
| 77 | Fun Links Teether | 15 | 300 | 4,500 | 15 | 300 | 4,500 | 15 | 300 | 4,500 | 15 | 300 | 4,500 |
| 78 | Fun Pal Teether | 15 | 500 | 7,500 | 15 | 500 | 7,500 | 15 | 500 | 7,500 | 15 | 500 | 7,500 |
| 79 | Fun Rattle | 15 | 400 | 6,000 | 15 | 400 | 6,000 | 15 | 400 | 6,000 | 15 | 400 | 6,000 |
| 80 | Mother feeding Chair | 1 | 3,000 | 3,000 | 1 | 3,000 | 3,000 | 1 | 3,000 | 3,000 | 1 | 3,000 | 3,000 |
| 81 | Soft Books (duplication) | 20 | 500 | 10,000 | 20 | 500 | 10,000 | 20 | 500 | 10,000 | 20 | 500 | 10,000 |
| 82 | Bottle Brushes | 3 | 300 | 900 | 3 | 300 | 900 | 3 | 300 | 900 | 3 | 300 | 900 |
| **List of others Items i.e. Kitchen, Office, Electric items** | | | | - | | | - | | | - | | | - |
| 1 | Water Dispenser | 1 | 14,000 | 14,000 | 1 | 14,000 | 14,000 | 1 | 14,000 | 14,000 | 1 | 14,000 | 14,000 |
| 2 | Microwave Oven | 1 | 12,400 | 12,400 | 1 | 12,400 | 12,400 | 1 | 12,400 | 12,400 | 1 | 12,400 | 12,400 |
| 3 | Fridge | 1 | 34,000 | 34,000 | 1 | 34,000 | 34,000 | 1 | 34,000 | 34,000 | 1 | 34,000 | 34,000 |
| 4 | Kitchen Accessories / Cutleries etc. | 24 | 200 | 4,800 | 24 | 200 | 4,800 | 24 | 200 | 4,800 | 24 | 200 | 4,800 |
| 5 | Sofa Set | 1 | 40,000 | 40,000 | 1 | 40,000 | 40,000 | 1 | 40,000 | 40,000 | 1 | 40,000 | 40,000 |
| 6 | Office Table | 1 | 5,000 | 5,000 | 1 | 5,000 | 5,000 | 1 | 5,000 | 5,000 | 1 | 5,000 | 5,000 |
| 7 | Office Chairs | 5 | 10,000 | 50,000 | 5 | 10,000 | 50,000 | 5 | 10,000 | 50,000 | 5 | 10,000 | 50,000 |
| 8 | Air Conditioner | 2 | 42,000 | 84,000 | 2 | 42,000 | 84,000 | 2 | 42,000 | 84,000 | 2 | 42,000 | 84,000 |
| 9 | LCD | 1 | 27,000 | 27,000 | 1 | 27,000 | 27,000 | 1 | 27,000 | 27,000 | 1 | 27,000 | 27,000 |
| 10 | DVD player | 1 | 5,000 | 5,000 | 1 | 5,000 | 5,000 | 1 | 5,000 | 5,000 | 1 | 5,000 | 5,000 |
| 11 | CCTV Cameras | 1 | 100,000 | 100,000 | 1 | 100,000 | 100,000 | 1 | 100,000 | 100,000 | 1 | 100,000 | 100,000 |
| 12 | Fire Alarms | 3 | 5,000 | 15,000 | 3 | 5,000 | 15,000 | 3 | 5,000 | 15,000 | 3 | 5,000 | 15,000 |
| 13 | UPS | 1 | 10,000 | 10,000 | 1 | 10,000 | 10,000 | 1 | 10,000 | 10,000 | 1 | 10,000 | 10,000 |

# DAY CARE CENTER

## Yard Stick as per Women Dvelopment Department

| | | Original | | | 1st Revised | | | 2nd Revised | | | 3rd Revised | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No. | ITEMS | Yard Stick (DCC of 25 Kids) | Unit Cost | Total | Yard Stick (DCC of 25 Kids) | Unit Cost | Total | Yard Stick (DCC of 25 Kids) | Unit Cost | Total | Yard Stick (DCC of 25 Kids) | Unit Cost | Total |
| 14 | Vacuum Cleaner | 1 | 7,000 | 7,000 | 1 | 7,000 | 7,000 | 1 | 7,000 | 7,000 | 1 | 7,000 | 7,000 |
| 15 | Fire Extinguishers (Large) | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 |
| 16 | Electric Insect Killer | 2 | 7,800 | 15,600 | 2 | 7,800 | 15,600 | 2 | 7,800 | 15,600 | 2 | 7,800 | 15,600 |
| 17 | Electric Hand Dryer | 1 | 4,000 | 4,000 | 1 | 4,000 | 4,000 | 1 | 4,000 | 4,000 | 1 | 4,000 | 4,000 |
| 18 | Electric Heater | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 | 2 | 5,000 | 10,000 |
| 19 | Ceiling/bracket Fans | 4 | 8,000 | 32,000 | 4 | 8,000 | 32,000 | 4 | 8,000 | 32,000 | 4 | 8,000 | 32,000 |
| 20 | Curtains | 2 | 45,000 | 90,000 | 2 | 45,000 | 90,000 | 2 | 45,000 | 90,000 | 2 | 45,000 | 90,000 |
| 21 | Carpets | 1 | 100,000 | 100,000 | 1 | 100,000 | 100,000 | 1 | 100,000 | 100,000 | 1 | 100,000 | 100,000 |
| 22 | Other miscellaneous items | 1 | 218,675 | 218,675 | 1 | 218,675 | 218,675 | 1 | 218,675 | 218,675 | 1 | 218,675 | 218,675 |
| | **TOTAL** | | | **1,600,000** | | | **1,600,000** | | | **1,600,000** | | | **1,600,000** |
| | | | | 1.600 | | | 1.600 | | | 1.600 | | | 1.600 |

## Human Resource Model of THQ Hospital

| | | Original | | | | 1st Revised | | | | 2nd Revised | | | | 3rd Revised | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sr. No. | NAME OF POST | No. of Employees | Per Month Salary | Per Month Salary for Person | Salary for One Year | No. of Employees | Per Month Salary | Per Month Salary for Person | Salary for One Year | No. of Employees | Per Month Salary | Per Month Salary for Person | Salary for Two Years | No. of Emplyees | Project Pay Scale | Per Month Salary | Per Month Salary for all Person | Salary for Two Years |
| 1 | ADMIN OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 2 | HUMAN RESOURCE & LEGAL OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 3 | IT/STATISTICAL OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 4 | FINANCE, BUDGET & AUDIT OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 5 | PROCUREMENT OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 6 | QUALITY ASSURANCE OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 7 | LOGISTICS OFFICER | 1 | 60,000 | 60,000 | 720,000 | 1 | 60,000 | 60,000 | 720,000 | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| 8 | DATA ENTRY OPERAOTOR (DEO) | 2 | 25,000 | 50,000 | 600,000 | 2 | 25,000 | 50,000 | 600,000 | 2 | 35,000 | 70,000 | 1,680,000 | 2 | 3 | 44,000 | 88,000 | 2,728,000 |
| 9 | ASSISTANT ADMIN OFFICER | 2 | 40,000 | 80,000 | 960,000 | 2 | 40,000 | 80,000 | 960,000 | 2 | 50,000 | 100,000 | 2,400,000 | 2 | 5 | 70,000 | 140,000 | 4,340,000 |
| 10 | **HR FOR QMS and MSDS and Day Care Center** | | | | | | | | | | | | | | | | | |
| 11 | QMS Supervisor / Information Desk Officer | 2 | 25,000 | 50,000 | 600,000 | 2 | 25,000 | 50,000 | 600,000 | 2 | 25,000 | 50,000 | 600,000 | 2 | | 25,000 | 50,000 | 600,000 |
| 12 | Computer Operator | 8 | 20,000 | 160,000 | 1,920,000 | 8 | 20,000 | 160,000 | 1,920,000 | 8 | 20,000 | 160,000 | 1,920,000 | 8 | | 20,000 | 160,000 | 1,920,000 |
| 13 | Consultants (MSDS) Implementation & Clinical Audit | 1 | 100,000 | 100,000 | 1,200,000 | 1 | 100,000 | 100,000 | 1,200,000 | 1 | 100,000 | 100,000 | 1,200,000 | 1 | | 100,000 | 100,000 | 1,200,000 |
| 14 | Training on MSDS Compliance for Staff of THQ Hospital | 1000 | 4,000 | 4,000,000 | 4,000,000 | 1000 | 4,000 | 4,000,000 | 4,000,000 | 1000 | 4,000 | 4,000,000 | 4,000,000 | 1000 | | 4,000 | 4,000,000 | 4,000,000 |
| 15 | Rent for Vehicle | | | | 500,000 | | | | 500,000 | | | | 500,000 | | | | 0 | 500,000 |
| 16 | Manager Day Care Center | 1 | 45,000 | 45,000 | 540,000 | 1 | 45,000 | 45,000 | 540,000 | 1 | 45,000 | 45,000 | 540,000 | 1 | | 45,000 | 45,000 | 540,000 |
| 17 | Montessori Trained Teacher | 1 | 35,000 | 35,000 | 420,000 | 1 | 35,000 | 35,000 | 420,000 | 1 | 35,000 | 35,000 | 420,000 | 1 | | 35,000 | 35,000 | 420,000 |
| 18 | Attendant / Care Giver | 4 | 25,000 | 100,000 | 1,200,000 | 4 | 25,000 | 100,000 | 1,200,000 | 4 | 25,000 | 100,000 | 1,200,000 | 4 | | 25,000 | 100,000 | 1,200,000 |
| 19 | Office Boy | 1 | 20,000 | 20,000 | 240,000 | 1 | 20,000 | 20,000 | 240,000 | 1 | 20,000 | 20,000 | 240,000 | 1 | | 20,000 | 20,000 | 240,000 |
| | **Sub Total of HR Model** | | | **4,860,000** | **17,220,000** | | | **4,860,000** | **17,220,000** | | | **5,040,000** | **28,140,000** | | | | **5,273,000** | 40,473,000 |
| | | | | | **17.220** | | | | **17.220** | | | | **28.140** | | | | | **40.473** |
| | **Utilization of HR Component** | | | | | | | | **10.600** | | | | 14.06 | | | | | |
| | **Total of HR Component** | | | | | | | | | | | | **38.74** | | | | | **54.531** |

# Janitorial Services

## Original

| Assumptions | | |
|---|---|---|
| Covered area excluding residential area | 42,401 | sft |
| Covered area assigned to one sweeper | 7,500 | sft |
| Number of sweepers required for covered area | 6 | Persons |
| Road and ROW area | 73,777 | sft |
| Road and ROW assigned to one sweeper | 15,000 | sft |
| Number of sweepers required for road and ROW area | 5 | Persons |
| Number of washroom blocks | 15 | blocks |
| Number of washroom block assigned to one sweeper | 3 | Persons |
| Number of sweepers required for total washroom blocks | 5 | Persons |
| Total sweeper in morning shift | 16 | Persons |
| Total number of sweepers in evening shift | 8 | Persons |
| Total number of sweepers in night shift | 8 | Persons |
| Total number of sweepers in all shifts | 31 | 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 | 31 | 22,000 | 8,265,030 |
| 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)** | | | **14,793,030** |

14.793

## From 1st Revised to onwards

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.

# Security and Parking

## Original

| Assumptions | |
|---|---|
| Covered area excluding residences | 42,401 |
| Covered Area per guard | 15,000 |
| **Number of guards** | **3** |
| Open area excluding parking area | 73,777 |
| Area covered per guard per shift for open area excluding parking | 15,000 |
| **Number of guards for total area excluding parking area** | **5** |
| Number of gates | 3 |
| **Number of guards at gates** | **6** |
| **Total No of Guard** | **14** |
| Total number of all guards for second shift | **7** |
| **Lady Searcher** | **4** |
| Number of parking areas | 1 |
| Number of guards for parking lot per shift (Morning+ Evening) | **2** |
| Total no. of Supervisors | **2** |

| Type of worker | No of workers | Salary per month | Salary per Month for all Person | Salary for One year |
|---|---|---|---|---|
| Supervisors | 2 | 24,675 | 49,350 | 592,200 |
| Ex-Army | 8 | 21,525 | 172,200 | 2,066,400 |
| Civilian | 13 | 21,000 | 273,000 | 3,276,000 |
| Lady Searcher | 2 | 21,525 | 43,050 | 516,600 |
| Parking | 2 | 21,525 | 43,050 | 516,600 |
| **Sub total** | | | | **6,967,800** |
| **Equipment cost** | | | | |
| Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1) | | | | 400,000 |
| **Sub total** | | | | **400,000** |
| **Subtracting Parking Fees** | | | | 500,000 |
| **Total Security and Parking Services** | | | | **6,867,800** |
| | | | | **6.868** |

## From 1st Revised to onwards

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.

# Laundry Services

| | Original | | | From 1st Revised to onwards |
|---|---|---|---|---|
| Number of beds | 40 | | | |
| **Type of Item** | **No of Beds** | **Per bed cost per year** | **Total Cost** | |
| No of Bed | 40 | 30,000 | 1,200,000 | |
| Transport Charges | | | 1,200,000 | |
| **Total for laundry items** | | | **2,400,000** | |
| **Total** | | | **2.400** | |

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:

**"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".**

In view of above, Outsourcing cost has been excluded from this PC-I.

# Maintenance of Generator

| | Original | | | From 1st Revised to onwards |
|---|---|---|---|---|
| **Item Name** | **Quantity** | **Cost per year** | **Total Cost** | |
| **Periodical Maintenance Cost** | | | | |
| Number of Generators (200 KVA) | - | 500,000 | - | |
| Number of Generators (100 KVA) | 1 | 300,000 | 300,000 | |
| Number of Generators (50 KVA) | 1 | 175,000 | 175,000 | |
| Repairs Cost | 1 | 475,000 | 475,000 | |
| **HR Cost** | | | | |
| Supervisor | 1 | 40,000 | 240,000 | |
| Generator Operator | 3 | 30,000 | 1,080,000 | |
| Technical Staff/Mechanic | - | 30,000 | - | |
| **Total** | | | **2,270,000** | |
| | | | **2.270** | |

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:

**"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".**

In view of above, Outsourcing cost has been excluded from this PC-I.

# MEP

## Original

| Type of worker / Component | No of workers | Salary per month | Salary per Month for all persons | Salary for One Year |
|---|---|---|---|---|
| Supervisors | 1 | 56,420 | 56,420 | 677,040 |
| Plumber | 1 | 32,550 | 32,550 | 390,600 |
| AC/ Technician | 1 | 34,720 | 34,720 | 416,640 |
| Electrician | 2 | 31,465 | 62,930 | 755,160 |
| Car painter | 1 | 30,380 | 30,380 | 364,560 |
| **Total (Salary component)** | | | **217,000** | **2,604,000** |
| | | | | |
| | **No.** | **Per Unit Cost per Year** | **Cost per Year for all Items** | **Cost for One Year** |
| A/C | 75 | 6,665 | 499,875 | 499,875 |
| 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 |
| **Sub Total** | | | | **1,140,875** |
| **General Total** | | | | **3,744,875** |
| | | | | **3.745** |

## From 1st Revised to onwards

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".**

In view of above, Outsourcing cost has been excluded from this PC-I.

# Medical Gases

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

# Cafeteria

## Pre-Fabrication Cateen (Procurement)

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

6.743

# LANDSCAPE DEVELOPMENT WORKS

## COST ESTIMATE

| | | Original | | | | From 1st Revised to onwards |
|---|---|---|---|---|---|---|
| Sr. No. | Description | Unit | Quantity | Unit Rate Rs. | Amount Rs. | In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I. |
| **1** | **SOFT LANDSCAPE** | | | | | |
| **1.1** | **TOP SOIL** | | | | | |
| | Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer. | Cft | 14,361 | 22 | 315,937 | |
| **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 | 19,695 | 7 | 137,865 | |
| **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 | 24,619 | 11.25 | 276,964 | |
| **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 | 100 | 1,500 | 150,000 | |
| b | Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc. | No's | 23 | 270 | 6,210 | |
| 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 | 100 | 600 | 60,000 | |
| 1.5 | Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc. | No's | 8,952 | 69 | 617,688 | |
| a | Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc | No's | 1,407 | 195 | 274,365 | |
| **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 | 9,561 | 12 | 114,732 | |
| **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 | 11 | 3,675 | 40,425 | |
| b | Palm 18" pot - Phoenix Palm, Cyrus Palm | No's | 15 | 1,800 | 27,000 | |
| **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 | 48 | 195 | 9,360 | |
| **2** | **HARD LANDSCAPE** | | | | | |
| **2.1** | **WALK WAYS** | | | | | |
| a | Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand. | Sft | 1969 | 150 | 295,350 | |
| 2.2 | **BENCHES** | | | | | |

| LANDSCAPE DEVELOPMENT WORKS | | | | | | |
|---|---|---|---|---|---|---|
| COST ESTIMATE | | | | | | |
| | | Original | | | | From 1st Revised to onwards |
| | Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design. | No's | 9 | 14,698 | 132,282 | |
| 2.3 | **DUSTBINS** | | | | | |
| | Complete in all respects and to the satisfaction of Engineer as per approved design. | No's | 6 | 27,700 | 166,200 | |
| 2.4 | **PLAYING EQUIPMENTS** | | | | | |
| | Complete in all respects and to the satisfaction of Engineer as per approved design. | No's | 1 | 544,939 | 544,939 | |
| 2.5 | **PLANTERS** | | | | | |
| | Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design. | No's | 8 | 3,850 | 30,800 | |
| 2.6 | **WATER POINTS (Injector Pump 1HP)** | No's | 2 | 45,000 | 90,000 | |
| **3** | **SOFT LANDSCAPE MAINTENANCE** (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer. | Sft | 49,237 | 9.00 | 443,133 | |
| **4** | **CONSTRUCTION OF PLANTERS** | | | | | |
| 4.1 | **Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer. | No's | 192 | 550 | 105,600 | |
| 4.2 | **Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer. | No's | 25 | 550 | 13,750 | |
| 4.3 | **Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer. | No's | 46 | 550 | 25,300 | |
| **5** | **GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer. | No's | 1 | 200,000 | 200,000 | |
| | **Total Amount of - Landscaping** | | | | **4,112,275** | |
| | **PRA(16%)** | | | | 657,964 | |
| | **Design Consultancy** | | | | 100,000 | |
| | **Grand Total** | | | | **4,870,239** | |
| | | | | | **4.870** | |

From

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

To

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

Memo No.76-Dev/2014/ 24991 /Dev. Dated 19.10.2022

Subject: **REVISED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HASILPUR DISTRICT BAHAWALPUR" ADP NO.658 FOR THE YEAR 2022-23.**

Please find enclosed copy of Revised Rough Cost Estimate amounting to **Rs.67.618(M)** duly vetted by the Chief Engineer for arranging Revised Administrative Approval.

The Revised Rough Cost Estimate has been prepared on the basis of rates meant for 2nd Bi-annual 2022.

DA/As Above.

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

Endst: No. /Dev, Dated .10.2022.

A copy is forwarded for information to:-

1. The Superintending Engineer, Buildings Circle, Bahawalpur for information with reference to his letter No.1393/DB, dated 27.09.2022.
2. The Executive Engineer, Buildings Division No.02, Bahawalpur.
3. The Chief Draftsman (Local).

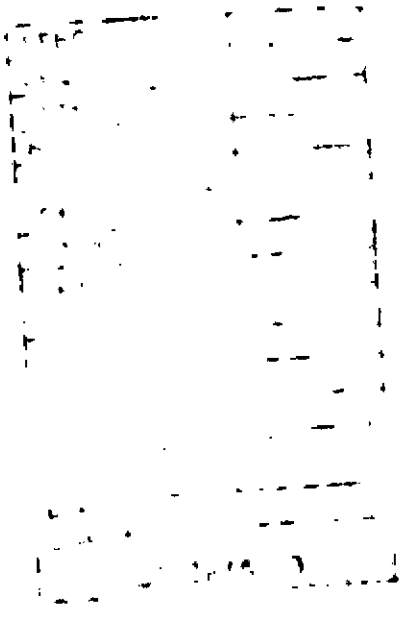
DA/Nil.

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

| RECEIVED | |
|---|---|
| Diary No: 5756 | |
| Date: 25-10-22 | |
| PMU, P&SHD | |
| Deputy PD | |
| Finance & Admin | |
| Procurement | |
| Outsourcing | |
| Infrastructure | |
| Planning & HR | |
| ICT | |
| Operations | |
| Health | |
| Legal | |
| I & C | |
| BERC | |

Received 25/10/2022
Consultant Civil

Please check these estimates
25/10/2022



# PUNJAB BUILDINGS DEPARTMENT

## BAHAWALPUR.

| | |
|---|---|
| CIRCLE | BUILDINGS CIRCLE, BAHAWALPUR. |
| DIVISION | BUILDINGS DIVISION-II, BAHAWALPUR. |
| SUB DIVISION | BUILDINGS SUB DIVISION , HASILPUR. |
| NAME OF WORK | ~~REVISED~~ ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR. |
| ESTIMATED COST | ~~Rs.68.345~~ (M) 67.618 CM |

**RIVISED ROUGH COST ESTIMATE HAS BEEN FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDING DIVISION-2 BAHAWALPUR FOR THE EXPENSE OF "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL TEHSIL HASILPUR DISTRICT BAHAWALPUR."**

**HISTORY AND REPORT.**

Primary and Secondary Health Department (P & SHD) is transforming its secondary health establishment through remaining revamping program in Phase II through Communication & Works Department Vide PMU P&HCD letter No.PMU/(P&SHD)2020/862. The desired revamping scope consists of Internal & External Development. In this regard after due consultation with Medical Superintendent and concerned team of THQ Hasilpur, subsequently requisition received to formulate rough cost estimate vide Letter No Dated: Consequently, Rough cost Estimate of amount *36.223* (M) was prepared based on MRS-2nd Bi Annual Period 2021.

Consequent upon the decision of DDSC of primary & Secondary HealthCare Department, in its meeting held on 17.08.2021, the governor of the Punjab is pleased to accord 2nd Revised Administrative approval of 60 sub-schemes under block scheme titled "Program for Revamping of All THQ Hospitals in Punjab" one of in these is Revamping of THQ Hospital Hasilpur Cost of 36.223(M) vide office letter No.PO (D-II)1-237/2021 Dated: 09/11/2021.(**Copy Attached**),

The Detail Estimate T.S vide Superintending Engineer letter no S.E. BC,BWP No.348DB,dt: 27.11.2021.amounting 36.223 (M) And tender notice issued by the superintending engineer building circle Bahawalpur, opening date of this tender was 22.12.2021 (12:30P.m) and on opening date of tender not any one Govt. contractor has been submit tender bid of said scheme due to suden increase of market rates. The work could not be allotted due to increased MRS. And now new MRS of 2nd –Bi-Annual-2022 issued by the finance department Govt. of the Punjab Lahore, market rates has been increased in new MRS so revised administrative approval required for the scheme from competent authority Scope of work has also been revised.

Hence A Revised Rough Cost estimate Framed Amounting Rs. 68.345(M) prepared based on MRS-1st Bi Annual Period 2022 is hereby submitted for Administrative Approval from competent authority and Further necessary Action.

**SCOPE OF WORK:**

The following provisions are made in the Revised Estimate as Scope of work received from PMU primary & Secondary HealthCare Department (copy Attached)

| S.No | Description | |
|---|---|---|
| 1 | **Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store** | **1-Job** |
| | i)Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | **1-job** |
| | ii)Internal Electrification (O.D.B) | **8574-Sft** |

Primary & Secondary
**Healthcare Department**

GOVERNMENT OF THE PUNJAB
Dated Lahore the 29-11-2021

# ORDER

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

Rs. in Millions

| Sr. No. | Sub-Scheme Title | 2nd Revised Cost | | |
|---|---|---|---|---|
| | | Capital Component | Revenue Component | Total |
| 1 | Revamping of THQ Hospital, 18-Hazari District Jhang | 14.956 | 205.709 | 220.665 |
| 2 | Revamping of THQ Hospital, Ahmedpur Sial District Jhang | 31.060 | 191.004 | 222.064 |
| 3 | Revamping of THQ Hospital, Bhera District Sargodha | 47.352 | 198.313 | 245.665 |
| 4 | Revamping of THQ Hospital, Chak Jhumra District Faisalabad. | 47.323 | 195.857 | 243.180 |
| 5 | Revamping of THQ Hospital, Choa Saiden Shah District Chakwal | 101.824 | 206.809 | 308.633 |
| 6 | Revamping of THQ Hospital, Dinga District Gujrat | 14.858 | 199.147 | 214.005 |
| 7 | Revamping of THQ Hospital, Fateh Jhang District Attock | 44.181 | 198.227 | 242.408 |
| 8 | Revamping of THQ Hospital, Sillanwali District Sargodha | 44.782 | 180.970 | 225.752 |
| 9 | Revamping of THQ Hospital, Sohawa District Jhelum | 87.554 | 189.648 | 277.202 |
| 10 | Revamping of THQ Hospital, City Hospital Talagang District Chakwal | 48.005 | 198.007 | 246.012 |
| 11 | Revamping of THQ Hospital, Bhalwal District Sargodha | 47.643 | 204.362 | 252.005 |
| 12 | Revamping of THQ Hospital, Shorkot District Jhang | 40 307 | 185.070 | 225.377 |
| 13 | Revamping of THQ Hospital, Ferozewala District Sheikhupura | 33.815 | 200.094 | 233.909 |
| 14 | Revamping of THQ Hospital, Kallar Kahar District Chakwal | 46.028 | 200.588 | 246.616 |
| 15 | Revamping of THQ Hospital, Kallar Syedan District Rawalpindi | 116.706 | 214.153 | 330.859 |
| 16 | Revamping of THQ Hospital, Kot Momin District Sargodha | 47.789 | 166.711 | 214.500 |

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

(10)

SCOPE OF WORK FOR REVAMPING OF HEALTH FACILITY THQ HOSPITAL HASILPUR DISTRICT BAHAWALPUR

| Sr No | Item | OPD Block | Linking Corridor, Outer Corridor, and Inner Corridor Between OPD Block and OT Labor Room Block | OT & Labor Room Block | Linking Corridor Outer Corridor and Inner Corridor Between Diagnostic Block and Indoor Block | Indoor Block (Male and Female Wards) | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | Porcelain Floor Tile replacement | In the main corridor all floor tiles full body porcelain needs to be retained<br>In the inner corridor and inside rooms in OPD all floor tiles full body porcelain needs to be retained<br>All floor tiles full body porcelain needs to be fixed in toilet corridor of OPD<br>Floor tiles full body porcelain needs to be fixed in Dental block<br>Note Inside rooms/offices where terrazo exists at present full body porcelain tiles need to be fixed | In outer corridor of OT Block all floor tiles full body porcelain needs to be fixed<br>In linking corridor between OPD block and OT block all floor tiles full body porcelain need to be fixed<br>All floor tiles full body porcelain needs to be fixed in inner corridor between OT Block and Labor Room | All floor tiles full body porcelain needs to be fixed in entire OT block and Labor Room Block except inside OT | All floor tiles full body porcelain needs to be replaced in Main corridor leading from OT block to Indoor block<br>All floor tiles full body porcelain needs to be fixed in inner corridor of Indoor Block<br>In Outer corridor of Indoor Block all floor tiles full body porcelain needs to be retained | All floor tiles full body porcelain need to be retained in entire male and female wards<br>All floor tiles full body porcelain needs to be replaced in Rooms/offices in Indoor Block | Tiles specifications, brand, size and installation will be as per specified C&W standards |
| 2 | Porcelain Wall Tile replacement | In the main corridor all wall/dado tiles full body porcelain needs to be retained<br>In the inner corridor and inside rooms in OPD all wall/dado tiles full body porcelain needs to be retained<br>All wall/dado tiles full body porcelain needs to be fixed in outer corridor of OPD<br>Wall/dado tiles full body porcelain needs to be fixed in Dental block<br>Note Wall/dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices. | In outer corridor of OT Block all wall/dado tiles full body porcelain needs to be fixed<br>In linking corridor between OPD block and OT block all wall/dado tiles full body porcelain need to be fixed<br>All wall/dado tiles full body porcelain needs to be fixed in inner corridor between OT Block and Labor Room<br>Note Wall/dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices. | All wall/dado tiles full body porcelain need to be fixed in entire OT & Labor Room block up to height of 6 ft. in corridor and wards and 6" inside rooms/offices except OT<br>Note Wall/dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices. | All wall/dado tiles full body porcelain needs to be retained in Main corridor leading from OT block to indoor block.<br>All wall/dado tiles full body porcelain needs to be fixed in inner corridor of Indoor Block<br>In Outer corridor of Indoor Block all wall/dado tiles full body porcelain needs to be retained<br>Note Wall/dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices. | All wall/dado tiles full body porcelain need to be retained in entire male and female wards<br>All wall/dado tiles full body porcelain needs to be fixed only in Rooms/offices of Indoor Block up to existing level<br>Note Wall/dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices. | Tiles specifications, brand, size and installation will be as per specified C&W standards |
| 3 | Wooden Doors Rusty or Soiled Main Doors and Aluminium Doors | Only damaged doors need to be replaced by new wooden doors<br>Remaining doors in good condition will only be repainted properly after scrapping the old paint<br>Entrance door of OPD needs to be replaced with Aluminium door | Only damaged doors (which are few) will be replaced by new wooden doors Remaining doors will only be repainted properly after scrapping the old paint | Only damaged doors will be replaced by new wooden doors<br>Remaining doors in good condition will only be repainted properly after scrapping the old paint<br>All Entrance and Exit doors of wards need to be replaced with Aluminum doors half soled and half glazed glass fixed on it<br>Entrance door of OT block needs to be replaced with Aluminum door half soled and half glazed glass fixed on it<br>Entrance door of OT should be wooden double hinged door with half SS plate fixed on it | Only damaged doors need to be replaced with new wooden doors<br>Most of the Doors are in good condition needs to be retained and only needs to be repainted<br>All wards entrance and exit doors need to be replaced with Aluminum doors half soled and half glazed glass | Only damaged doors need to be replaced with new wooden doors Most of the Doors are in good condition needs to be repainted/ reoiled<br>All wards entrance and exit doors need to be replaced with Aluminum doors half soled and half glazed glass | Specifications, quality of steel, panel, steel locks and handles will be as per specified C&W standards |
| 4 | Verandah opening (opening to open areas) MS Windows on Façade | All damaged MS angle iron & jaali will be replaced with new MS angle iron & double jaali | All damaged MS angle iron & jaali will be replaced with new MS angle iron & double jaali | Not Required | All damaged MS angle iron & jaali will be replaced with new MS angle iron & double jaali | All damaged MS angle iron & jaali will be replaced with new MS angle iron & double jaali | Specifications will be as per C&W standards |
| 5 | Existing Internal Windows | All Existing MS internal windows need to be replaced with Aluminium Windows<br>MS Windows at façade and inside rooms/offices also need to be replaced with Aluminium windows<br>Existing Aluminium windows need to be retained | All Existing MS internal windows of outer corridor, inner corridor and linking corridor between OPD Block and OT Block needs to be replaced with Aluminium Windows | All Existing MS internal windows in OT & Labor Room Block needs to be replaced with Aluminium Windows<br>All windows other than Aluminum inside OT & Labor Room Block needs to be replaced with Aluminum<br>All windows in OT opening outside needs to be closed | All Existing MS internal windows of outer corridor and inner corridor needs to be replaced with Aluminium Windows | All Existing MS internal windows inside male and female wards need to be replaced with Aluminium Windows | Specifications Aluminum and glass color will be as per specified C&W Standards |
| 6 | Internal Electric fittings | All Electric fittings including switch boards plates, sockets wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical<br>All old switch fittings & DBs if requires need to be changed | All Electric fittings including switch boards plates, sockets wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical<br>All old switch fittings & DBs if requires need to be changed | All Electric fittings including switch boards plates sockets wires DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical<br>All old switch fittings & DBs if requires need to be changed | All Electric fittings including switch boards plates sockets wires DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical<br>All old switch fittings & DBs if requires need to be changed | All Electric fittings including switch boards plates sockets wires DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical<br>All old switch fittings & DBs if requires need to be changed | Model Specifications/ Brands, should be as per specified C&W Standards |
| 7 | Internal Lighting Fixtures | All corridors and rooms should fit with BMD's with concealed wiring | All corridors and rooms should fit with BMD's with concealed wiring | All corridors and rooms should fit with BMD's with concealed wiring at 6 ft distance<br>All old switch fittings & DBs if requires need to be changed | All corridors and rooms should fit with BMD's with concealed wiring | All corridors and rooms should fit with BMD's with concealed wiring | Model Specifications/ Brands and distance should be as per specified C&W Standards |

## SCOPE FOR REVAMPING OF HEALTH FACILITY THQ HOSPITALHASILPUR

| Sr No | Description | Condition | Additional Information | |
|---|---|---|---|---|
| | Water Supply System | | External Water supply lines HDP of properly designed dia to be relaid for Old Block only for smoth water supply to clinical blocks of Hospital. | |
| | Sewerage System | | Sewerage line of Hospital is functional. Sewerage line to be laid for connecting specialist block sewerage with Main Hospital Sewerage line. | |
| | External Pathways | | No work Required. | |
| | Boundary Wall | | Not Required | |
| | Main Gate | | Not Required | |
| | Sources of Electircal Supply | | Demand Notice to be paid for Dual Supply or Express Line. | |
| | Transformer | | Requirement of transformer will be assessed after visit of Wapda & DN to be paid accordingly as per site requirement. | |
| | ATS Panel for Generators | | As per site requirement. | |
| | Electrical Panel Room | | Electrical Room needs to be made. | |
| | External Wires | | All external wires/cables should be replaced after detail electrical analysis & design. Moreover these main wires should be concealed in all respects. | |
| | Water Filtration Plant | | Filtration plant with room is required to be made in Hospital. | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

# REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## COMPARATIVE ABSTRACT OF COST

| Sr. No. | Description of Items | As Per Admnistrative Approval | | | | | | | As Per Revised Rough Cost Estimate | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | | Unit | Amount (Rs.) | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 ). | | | | | Unit | Amount (Rs.) | Excess | Savings | |
| | | | B.P. | P.H | E.I | S.G | Total | | | | B.P. | P.H | E.I | S.G | Total | | | | | |
| A | | | | | | | | | | | | | | | | | | | | All the Rates are Based on MRS/Plinth Area Rates for 2nd Biannual Period 2022 . |
| 1 | **Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store** | | | | | | | | | | | | | | | | | | | |
| | i)Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | 1 Job | 19448665 | - | - | - | 19,448,665 | P.Sft | Rs. 19448665/- | 1 Job | 32302100 | - | - | - | 32,302,100 | P.Sft | Rs. 32302100/- | Rs. 12853435/- | - | As Per New Scope of Work and Latest Architect Specifications |
| | ii) Internal Electrification (O.D.B) | Sft | - | - | - | - | 0 | P.Job | Rs. /- | 8574 Sft | - | - | 227 | - | 227 | P.Job | Rs. 1946298/- | Rs. 1946298/- | - | included due to new scop of work |
| | iii)Internal water supply and sanitation of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | 1 Job | 832400 | - | - | - | 832,400 | P.Job | Rs. 832400/- | 1 Job | 2036500 | - | - | - | 2,036,500 | P.Job | Rs. 2036500/- | Rs. 1204100/- | - | As Per New Scope of Work and Latest Architect Specifications |
| | iv)Construction of Ramp (Dylasis Unit) | | | | | | | | | 1 Job | 114700 | - | - | - | 114,700 | P.Sft | Rs. 114700/- | Rs. 114700/- | - | As Per New Scope of Work |
| | v)Revamping of Medicen Store | | | | | | | | | 1 Job | 377500 | - | - | - | 377,500 | P.Job | Rs. 377500/- | Rs. 377500/- | - | As Per New Scope of Work |
| | vi)Revamping of sterlaization Room in OPT Block | | | | | | | | | 1 Job | 144500 | - | - | - | 144,500 | P.Job | Rs. 144500/- | Rs. 144500/- | - | As Per New Scope of Work |
| 2 | **Construction of Corridore for Connecting New And old OPT.** | 1 Job | 689100 | - | - | - | 689,100 | P.Job | Rs. 689100/- | | | | | | | | | - | Rs. 689100/- | Delete Due to Hospital Managment Construct this Corridor by his owne Resources and also not include in new scop of work |
| 3 | **Provision of Water Tank i/c Water Pump and Bore for Wash Rooms** | 2 Job | 115600 | - | - | - | 115,600 | P.Job | Rs. 231200/- | | | | | | | | | - | Rs. 231200/- | Delete Due to Hospital Managment Construct this Corridor by his owne Resources and also not include in new scop of work |

| Sr. No. | Description of Items | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | | Unit | Amount (Rs.) | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 ). | | | | | Unit | Amount (Rs.) | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | B.P. | P.H | E.I | S.G | Total | | | | B.P. | P.H | E.I | S.G | Total | | | Excess | Savings | |
| 4 | **Construction of Wheel Chair Track** | 1 Job | 580600 | - | - | - | 580,600 | P.Job | **Rs. 580600/-** | | | | | | | | | - | **Rs. 580600/-** | Delete Due To not Include in new Scop of Work |
| 5 | **Provision of Car Parking Sheds i/c Tuff Paver** | 1 Job | 5995800 | - | - | - | 5,995,800 | P.Job | **Rs. 5995800/-** | | | | | | | | | - | **Rs. 5995800/-** | Delete Due To not Include in new Scop of Work |
| 6 | **Provision of Facade Uplifting /Elevation Uplifting** | | | | | | | | | | | | | | | | | | | |
| | i) Single Window Elevation | | | | | | | | | 9 Job | 252000 | - | - | - | 252,000 | P.Sft | **Rs. 2268000/-** | **Rs. 2268000/-** | - | include due to As Per New Scope of Work |
| | ii) OPD Block Entrance | | | | | | | | | 1 Job | 422800 | - | - | - | 422,800 | P.Job | **Rs. 422800/-** | **Rs. 422800/-** | - | |
| | iii) Admin Block Entrance | | | | | | | | | 1 Job | 1376700 | - | - | - | 1,376,700 | P.Job | **Rs. 1376700/-** | **Rs. 1376700/-** | - | |
| | iv) 5-Pillers Elevation | | | | | | | | | 2 Job | 374500 | - | - | - | 374,500 | P.Sft | **Rs. 749000/-** | **Rs. 749000/-** | - | nclude due to As Per New Scope of Work |
| | v) 3-Pillers Elevation | | | | | | | | | 2 Job | 227900 | - | - | - | 227,900 | P.Sft | **Rs. 455800/-** | **Rs. 455800/-** | - | nclude due to As Per New Scope of Work |
| 7 | **Power Wiring External i/c Construction of Control Room** | | | | | | | | | | | | | | | | | | | |
| | i)Construction of Control Room (size: 14' x 20') | | | | | | | | | 362 Sft | 3603 | - | 227 | - | 3,830 | P.Sft | **Rs. 1386460/-** | **Rs. 1386460/-** | - | include As Per New Scope of Work for dual Electricity Sources Control |
| | ii) External Development 10% | | | | | | | | | 1 Job | 138646 | - | - | - | 138,646 | P.Sft | **Rs. 138646/-** | **Rs. 138646/-** | - | do |
| | ii)Power Wiring ( Provision/Installation of Electrical Equipment.) | 1 Job | 3162400 | - | - | - | 3,162,400 | P.Job | **Rs. 3162400/-** | 1 Job | 4996236 | - | - | - | 4,996,236 | P.Job | **Rs. 4996236/-** | **Rs. 1833836/-** | - | do |
| 8 | **Replacement of External Water Supply Line for old Building** | 1 Job | 615000 | - | - | - | 615,000 | P.Job | **Rs. 615000/-** | 1 Job | 1918000 | - | - | - | 1,918,000 | P.Job | **Rs. 1918000/-** | **Rs. 1303000/-** | - | As Per New Scope of Work |
| 9 | **Rehablitation and Repair of Existing Road Network** | 1 Job | 2449700 | - | - | - | 2,449,700 | P.Job | **Rs. 2449700/-** | | | | | | | | | - | **Rs. 2449700/-** | Delete Due To not Include in new Scop of Work |
| 10 | **Rehabilitation of Sewerage Line (from specialist Block To Main Sewer Line)** | | | | | | | | | 1 Job | 422000 | - | - | - | 422,000 | P.Job | **Rs. 422000/-** | **Rs. 422000/-** | - | As Per New Scope of Work |

| Sr. No. | Description of Items | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). B.P. | P.H | E.I | S.G | Total | Unit | Amount (Rs.) | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 ). B.P. | P.H | E.I | S.G | Total | Unit | Amount (Rs.) | Difference Excess | Difference Savings | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | **Provision of Street Lights** | | | | | | | | | 1 Job | 2114500 | - | - | - | 2,114,500 | P.Sft | Rs. 2114500/- | Rs. 2114500/- | - | As Per New Scope of Work |
| 12 | **Provision of Fire Alarming System** | | | | | | | | | | | | | | | | | | | include due to As Per New Scope of Work |
| | i) O.D | | | | | | | | | 8574 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 857400/- | Rs. 857400/- | - | |
| | ii) OPT | | | | | | | | | 2994 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 299400/- | Rs. 299400/- | - | do |
| | iii) IN.D | | | | | | | | | 9182 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 918200/- | Rs. 918200/- | - | do |
| | iv) Link Passage | | | | | | | | | 879 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 87900/- | Rs. 87900/- | - | do |
| | v) Labour Room Ward | | | | | | | | | 6211 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 621100/- | Rs. 621100/- | - | do |
| 13 | **Cost of Dismantling** | 1 Job | 228166 | - | - | - | 228,166 | P.Job | Rs. 228166/- | 1 Job | 199998 | - | - | - | 199,998 | P.Job | Rs. 199998/- | - | Rs. 28168/- | As Per New Scope of Work and Latest Architect |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | TOTAL (Rs.) = | | Rs. 34233031/- | | | | | | TOTAL (Rs.) = | | Rs. 56153738/- | Rs. 31895275/- | Rs. 9974568/- | |
| B | Deduction Cost of old Material | | | | | | (-) | | Rs. 730278/- | | | | | | (-) | | Rs. 327029/- | Rs. 403249/- | - | As Per New Scope of Work |
| | | | | | | | TOTAL (Rs.) = | | Rs. 33502753/- | | | | | | TOTAL (Rs.) = | | Rs. 55826709/- | Rs. 32298524/- | Rs. 9974568/- | |
| C | Add 3% Contigency | | | | | | | | Rs. 1020147/- | | | | | | 55,826,705 | | Rs. /- | - | Rs. 1020147/- | |
| D | Add for 5% of PRA Tax | | | | | | | | Rs. 1700245/- | | | | | | 55,826,705 | | Rs. 2791335/- | Rs. 1091090/- | - | |
| E | Wapda Charges | | | | | | | | Rs. /- | | | | | | | | Rs. 9000000/- | Rs. 9000000/- | - | |
| | | | | | | | TOTAL (Rs.) = | | Rs. 36223145/- | | | | | | TOTAL (Rs.) = | | Rs. 67618044/- | Rs. 42389614/- | Rs. 10994715/- | 94.189 % Ecess Due to new Scop of Work And increased MRS/Plinth Area Rates |
| | | | | | | | SAY (Rs.) = | | Rs. 36223000/- | | | | | | SAY (Rs.) = | | Rs. 67618000/- | Rs. 42390000/- | Rs. 10995000/- | |
| | | | | | | | OR (Rs.) = | | 36.223 (M) | | | | | | OR (Rs.) = | | 67.618 (M) | | | |

Sub Divisional Officer,
Buildings Sub Division ,
Hasilpur

# REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## ABSTRACT OF COST

| Sr. No. | Description of Items | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 ). | | | | | Unit | Amount (Rs.) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | B.P. | P.H | E.I | S.G | Total | | | |
| A | | | | | | | | | | |
| 1 | **Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store** | | | | | | | | | |
| | i)Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | 1 Job | 32730100 | - | - | - | 32,730,100 | P.Sft | Rs. 32730100/- | Detailed Attached |
| | ii) Internal Electrification (O.D.B) | 8574 Sft | - | - | 227 | - | 227 | P.Job | Rs. 1946298/- | Based on plinth area rates for 2nd Biannual Period from 2022 . |
| | iii)Internal water supply and sanitation of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | 1 Job | 1977100 | - | - | - | 1,977,100 | P.Job | Rs. 1977100/- | Detailed Attached |
| | iv)Construction of Ramp (Dylasis Unit) | 1 Job | 67400 | - | - | - | 67,400 | P.Sft | Rs. 67400/- | Detailed Attached |
| | v)Revamping of Medicen Store | 1 Job | 366500 | - | - | - | 366,500 | P.Job | Rs. 366500/- | Detailed Attached |
| | vi)Revamping of sterlaization Room in OPT Block | 1 Job | 140300 | - | - | - | 140,300 | P.Job | Rs. 140300/- | Detailed Attached |
| 2 | **Provision of Façade Uplifting /Elevation Uplifting** | | | | | | | | | |
| | i) Single Window Elevation | 9 Job | 244700 | - | - | - | 244,700 | P.Sft | Rs. 2202300/- | Detailed Attached |
| | ii) OPD Block Entrance | 1 Job | 373800 | - | - | - | 373,800 | P.Job | Rs. 373800/- | Detailed Attached |
| | iii) Admin Block Entrance | 1 Job | 1214200 | - | - | - | 1,214,200 | P.Job | Rs. 1214200/- | Detailed Attached |
| | iv) 5-Pillers Elevation | 2 Job | 230400 | - | - | - | 230,400 | P.Sft | Rs. 460800/- | Detailed Attached |
| | v) 3-Pillers Elevation | 2 Job | 138500 | - | - | - | 138,500 | P Sft | Rs. 277000/- | Detailed Attached |
| 3 | Power Wiring External i/c Construction of Control Room | | - | - | - | - | | | | |

| Description of Items | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). B.P. | P.H | E.I | S.G | Total | Unit | Amount (Rs.) | Plinth Area / Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 ). B.P. | P.H | E.I | S.G | Total | Unit | Amount (Rs.) | Difference: Excess | Difference: Savings | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| vision of Street Lights | 0 Job | - | - | - | - | 0 | P.Sft | Rs. /- | 1 Job | 2052900 | - | - | - | 2,052,900 | P.Sft | Rs. 2052900/- | Rs. 2052900/- | - | As Per New Scope of Work and Based on plinth area rates for 2nd Biannual Period from 2022. |
| | | | | | | | | | | | | | | | | | | | do |
| vision of Fire Alarming System | 0 Sft | - | - | - | - | 0 | P.Sft | Rs. /- | 8574 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 857400/- | Rs. 857400/- | - | do |
| D | 0 Sft | - | - | - | - | 0 | P.Sft | Rs. /- | 2994 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 299400/- | Rs. 299400/- | - | do |
| PT | 0 Sft | - | - | - | - | 0 | P.Sft | Rs. /- | 9182 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 918200/- | Rs. 918200/- | - | do |
| N.D | 0 Sft | - | - | - | - | 0 | P.Sft | Rs. /- | 879 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 87900/- | Rs. 87900/- | - | do |
| ink Passage | 0 Sft | - | - | - | - | 0 | P.Sft | Rs. /- | 6211 Sft | 100 | - | - | - | 100 | P.Sft | Rs. 621100/- | Rs. 621100/- | - | do |
| abour Room Ward | 1 Job | 228166 | - | - | - | 228,166 | P.Job | Rs. 228166/- | 1 Job | 193235 | - | - | - | 193,235 | P.Job | Rs. 193235/- | - | Rs. 34931/- | do |
| t of Dismantling | | | | | | | | | | | | | | | | | | | |
| | | | | | | TOTAL (Rs.) = | | Rs: 34233031/- | | | | | | TOTAL (Rs.) = | | Rs. 55433569/- | Rs. 5419 [illegible] | Rs: 99613317- | |
| | | | | | | (-) | | Rs. 730278/- | | | | | | (-) | | Rs. 406829/- | Rs. [illegible] | | |
| luction Cost of old Material | | | | | | TOTAL (Rs.) = | | Rs. 33502753/- | | | | | | TOTAL (Rs.) = | | Rs. 55026740/- | Rs. 9350 [illegible] | Rs. [illegible] | |
| | | | | | | | | Rs. 1020147/- | | 55,026,736 | | | | | | Rs. 4607209/- | Rs. 5447436/- | | |
| 3% Contigency | | | | | | | | Rs. 1700245/- | | 55,026,736 | | | | | | Rs. 2754337/- | Rs. 10510892/- | | |
| for 5% of PRA Tax | | | | | | | | Rs. /- | | | | | | TOTAL (Rs.) = | | Rs. 9000000/- | Rs. 9000000/- | | |
| pda Charges | | | | | | TOTAL (Rs.) = | | Rs. 36223145/- | | | | | | SAY (Rs.) = | | Rs. 68346859/- | Rs. [illegible] | Rs. 9981331/- | |
| | | | | | | SAY (Rs.) = | | Rs. 36223000/- | | | | | | OR (Rs.) = | | Rs. 66246000/- | Rs. 42104000/- | Rs. 9981000/- | |
| | | | | | | OR (Rs.) = | | 36.223 (M) | | | | | | | | 68.346 (M) | | | |

Sub Divisional Officer,
Buildings Sub Division,
Hasilpur

Superintending Engineer
Buildings Circle Bahawalpur

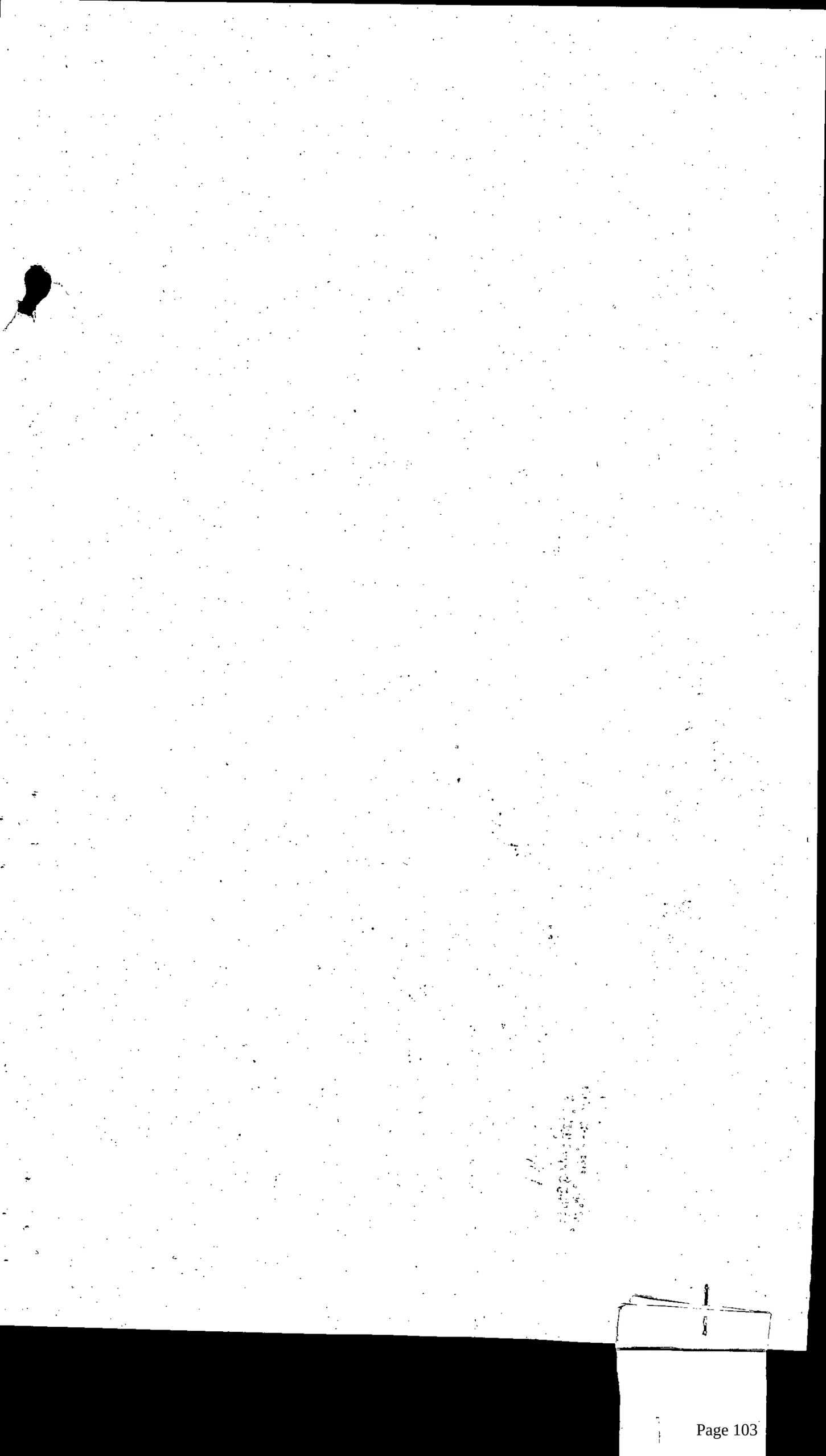
TECHNICALLY VETTED

For Rs. 67.618 (Million)

Chief Draftsman
Punjab Buildings Deptt;
Zone, Lahore.

Deputy Director
Punjab Buildings Deptt;
South Zone, Lahore.

Chief Draftsman
Punjab Buildings Deptt;
South Zone, Lahore.



# ABSTRACT OF COST

| | | |
|---|---|---|
| 1 | Renovation/Repair of old Building i/c Dialysis Unit | Rs. 20281100/- |
| 2 | Creation for connecting new and old OPT. | Rs. 689100/- |
| 3 | Provision of Water Tank i/c Water Pump and Bore for Wash Rooms | Rs. 231200/- |
| 4 | Construction of Wheel Chair Track | Rs. 580600/- |
| 5 | Provision of Car Parking Sheds i/c Tuff Paver | Rs. 5995800/- |
| 6 | Replacement of Water Supply Distribution Network (old Building) | Rs. 615000/- |
| 7 | Rehabilitation and Repair of Existing Road Network | Rs. 2449700/- |
| 8 | Electric works | Rs. 3162400/- |
| | **TOTAL:** | Rs. 34004900/- |
| | D/d Cost of old material = | Rs. 5021124/- |
| | TOTAL = | Rs. 33502788/- |
| | ADD 3% Contingency = | Rs. 1020147/- |
| | | |
| | ADD 5% PRA = | Rs. 1700245/- |
| | G.TOTAL = | Rs. 36223180/- |
| | | |
| | SAY Rs. = | 36,223(All) |

Sub Engineer

Sub Divisional Officer,
Building Sub Division,
Multan.

Executive Engineer
Buildings Division No-II
Multan.

Superintending Engineer
Buildings Circle Bahawalpur

RCUOM COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL
IJAZ NAGAR TEHSIL & HASILPUR DISTRICT BAHAWALPUR.

[redacted] PARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| | **Rough Cost** | | | | | | | | | | | | | | | | | | | |
| 1 | **Construction of Corridore for Connecting New And old OPT.** | 1 Job | 689100 | | | | P.Job | 689100 | 689100 | | Job | | | | P.Job | | | - | 689100 | |
| 2 | Internal Electrification of O.D.Block | | | | | | | | | 8574 Sft | | | 227 | | P.Sft | 227 | 1946298 | 1946298 | | |
| 2 | **Construction of Electricity Control Room (size: 14' x 16')** | Sft | | | | | P.Sft | | | 362 Sft | 3603 | | 227 | | P.Sft | 3830 | 1386460 | 1386460 | - | |
| | **External Development 10%** | Job | | | | | P.Job | | | 1 Job | 138646 | | | | P.Job | 138646 | 138646 | 138646 | - | |
| 3 | **Provision of Fire Alarming System** | | | | | | | | | | | | | | | | | | | |
| | i) O.D | Sft | | | | | P.Sft | | | 8574 Sft | 100 | | | | P.Sft | 100 | 857400 | 857400 | - | |
| | ii) OPT | Sft | | | | | P.Sft | | | 2994 Sft | 100 | | | | P.Sft | 100 | 299400 | 299400 | - | |
| | iii) IN.D | Sft | | | | | P.Sft | | | 9182 Sft | 100 | | | | P.Sft | 100 | 918200 | 918200 | - | |
| | iv) Link Passage | Sft | | | | | P.Sft | | | 879 Sft | 100 | | | | P.Sft | 100 | 87900 | 87900 | - | |
| | v) Labour Room Ward | Sft | | | | | P.Sft | | | 6211 Sft | 100 | | | | P.Sft | 100 | 621100 | 621100 | - | |
| | **TOTAL "B"** | | | | | | | | **689100** | | | | | | **Total:B** | | **6255404** | **6255404** | **689100** | |
| | **CARRIAGE** | | | | | | | | | | | | | | | | | | | |
| 1 | Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(261-Km from Sakhi sarwar Quarry) to Hasilpur | 367 Cft | | | | | % Cft | 6524.40 | 23945.00 | 2342 Cft | | | | | % Cft | 12161.75 | 284828.00 | 260883.00 | - | |
| | **Dismentling, Demolation** | | | | | | | | | | | | | | | | | | | |
| 2 | Dismantling cement concrete plain | 1580 Cft | | | | | % Cft | 8712.00 | 137650.00 | 976 Cft | | | | | % Cft | 11209.45 | 109404.00 | - | 28246.00 | |
| 3 | Removing Door with Chokhat | 27 Nos | | | | | Each | 346.50 | 9356.00 | 27 Nos | | | | | Each | 448.45 | 12108.00 | 2752.00 | - | |
| 4 | Removing windows and sky lights with chowkat | 108 Nos | | | | | Each | 270.60 | 29225.00 | 108 Nos | | | | | Each | 350.45 | 37849.00 | 8624.00 | - | |
| 5 | Dismantling brick work in lime or cement mortar | Cft | | | | | % Cft | | | 80 Cft | | | | | % Cft | 4330.90 | 3465.00 | 3465.00 | - | |
| 6 | Dismantling brick flagged flooring | 7719 Sft | | | | | % Sft | 673.20 | 51964.00 | Sft | | | | | % Sft | | | - | 51964.00 | |
| 7 | Removing cement or l i me pl aster | Sft | | | | | % Sft | | | 221 Sft | | | | | % Sft | 424.60 | 938.00 | 938.00 | - | |
| 8 | Dismantling mud concrete. | Cft | | | | | % Cft | | | 14 Sft | | | | | % Sft | 2038.10 | 285.00 | 285.00 | - | |
| 9 | Dismantling cement concr ete r ei nf or ced, separ ati ng r ei nf or cement f r om concr ete,cleaning and straightening the same. | Cft | | | | | % Cft | 14256.00 | | 169 Cft | | | | | % Cft | 18342.70 | 30999.00 | 30999.00 | - | |
| | **EARTHWORK (EXCAVATION & EMBANKMENT)** | | | | | | | | | | | | | | | | | | | |
| 10 | Excavation in foundation of Buildings; bridges and other structures i.e. dag-belling, dressing, refilling, around structures with excavated earth watering and ramming lead upto one chain and lift upto 5 ft in ordinary soil. | 2241 Cft | | | | | %o Cft | 8395.20 | 18814.00 | 823 Cft | | | | | %o Cft | 10712.60 | 8816.00 | - | 9998.00 | |
| 11 | Rehandling of earthwork:<br>a) Lead upto a single throw of Kassi, phaorah or shovel | 9432 Cft | | | | | %o Cft | 1980.00 | 18675.00 | 14917 Cft | | | | | %o Cft | 2547.60 | 30360.00 | 11685.00 | - | |
| 12 | Filling watering and ramming earth under floor<br>(i) with surplus earth from foundation etc. | 1493 Cft | | | | | %o Cft | 4039.20 | 6031.00 | 17 Cft | | | | | %o Cft | 5107.85 | 87.00 | - | 5944.00 | |
| | (ii) with new earth from out side lead upto 1-mile | Cft | | | | | %o Cft | | | 2 Cft | | | | | %o Cft | 16014.50 | 32.00 | 32.00 | - | |

23

11 Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4" x¾" ) and leaf frame sections of 50 x 20 mm (2" x¾" ), all of 1.6 mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge

| | | | | |
|---|---|---|---|---|
| 1 | x3 | x4 | = | 12 Sft |
| | | **Total** | **12 Sft @ 1353.75 P.Sft** | **Rs. 16245/-** |

12 Providingandfixing AluminumFly screen comprisingof Fiber Aluminumwireguaze ( Malasian) fixed in aluminum frame of approvedmanufacturerbrownzeColour/ powdercoatedofsi ze1-1/2" x1/2"and1.6mmthi ck withrubbergask eti/ccostofHar dwares asapprovedanddi r ectedbytheengi neerincharge. compl etein al l r espect.

| | | | | |
|---|---|---|---|---|
| 1 | x1-1/2 | x4 | = | 6 Sft |
| | | **Total** | **6 Sft @ 494.50 P.Sft** | **Rs. 2967/-** |

13 Provi di ng and fi xi ng 1½" (40 mm) thi ck deodar wood panelled or panelled and glazed, doors and wi ndows, wi th out mi l d steel chow k at ( f r ame) , etc. compl ete i n al l r espects (excludi ng sli di ng bolt or lock) wi th:-M.S. angle i ron 1½" x1½" x¼" , welded (40 mmx 40 mmx 6mm) wi th M.S. f l at 2" x¼" (50 mm x 6 mm)

| | | | | |
|---|---|---|---|---|
| 1 | x3-1/2 | 7.00 | = | 25 Sft |
| | | **Total** | **25 Sft @ 1913.00 P.Sft** | **Rs. 47825/-** |

14 Painting New surface Painting doors and windows, any typ 3-coat

| | | | | | |
|---|---|---|---|---|---|
| 1 | x2 | x3-1/2 | x7 | = | 49 Sft |
| | | | **Total** | **49 Sft @ 2770.70 %.Sft** | **Rs. 1358/-** |

15 P/F 3/4"dia heavy duty sliding bolt of speci f i ed mater i ali/c thecostof har dwar eccmpl eteinal lr espectasapprovedanddi r ectedbytheEngi neer Incharge.Iron 12" (450 mm) long

| | | |
|---|---|---|
| | = | 1 No |
| **Total** | **1 No @ 473.50 Each** | **Rs. 474/-** |

16 Prepa ring surface and painting with emulsion paint: 3-Coat

| | | | | | |
|---|---|---|---|---|---|
| 1 | x2 | x14 | x11-1/2 | = | 322 Sft. |
| | | | | = | **322 Sft. @ 2962.10%Sft** **Rs. 9538/-** |

**Total.** Rs. 140295/-

Add 3% Contingency To Total

Says: Rs. ~~140300/-~~

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
Buildings Sub Division ,
Hasilpur

Sub Engineer

# REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

MRS 2nd Bi-Annual 2022

1 Provision of Facade Uplifting /Elevation Uplifting

i **Single Window Elevation**

Anaylasis Attached

Total = 9 Job / 9 Job @ ~~244700~~ 252000 P.Job = ~~2202300~~ /- 2268000

2268000 —

ii **OPD Block Entrance**

Anaylasis Attached

Total = 1 Job / 1 Job @ ~~373800~~ 422800 P.Job = ~~373800~~ /- 422800

422800 —

iii **Admin Block Entran**

Anaylasis Attached

Total = 1 Job / 1 Job @ ~~1214200~~ 1376700 P.Job = ~~1214200~~ /- 1376700

1376700 —

iv **5-Pillers Elevation**

Anaylasis Attached

Total = 2 Job / 2 Job @ ~~230400~~ 374500 374500 P.Job = ~~460800~~ /- 749000

749000 —

v **3-Pillers Elevation**

Anaylasis Attached

Total = 2 Job / 2 Job @ ~~138500~~ 227900 227900 P.Job = ~~277000~~ /-

455800 —

**Total** = ~~4528100~~ /- 5272300

**Say Total** = ~~4528100~~ 5272300 —

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
*Buildings Sub Division*
*Hasilpur*

Sub Engineer

## ANALYSIS OF FRONT ELEVATION FOR SINGLE WINDOW

**1** Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around str uctur e wi th ex cav ated ear th, water i ng and r ammi ng l ead upto one chain (30 m) and lift upto 5 ft. (1.5 m)By M annual in ordinary soil

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | x 3 | x | 3 | x | 2 | 36 | Cft |
| | | | | **Total** | **36** | **Cft** | |
| | | | | @ | **10712.60** | **%OCft** | **Rs. 386/-** |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | x 3 | x | 3 | x | 1/2 | 9 | Cft |
| | | | | **Total** | **9** | **Cft** | |
| | | | | @ | **21099.80** | **%Cft** | **Rs. 1899/-** |

**3** Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washi ng of stone aggregate):1:2:4

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | x 3 | x | 3 | x | 1/4 | 5 | Cft |
| | | | | **Total** | **5** | **Cft** | |
| | | | | @ | **38219.00** | **%Cft** | **Rs. 1911/-** |

**4** Reinforced cement concrete in roof slabs beams columns lintels, girders and other structural members laid in situ or pre-cast laid in position or pre-stressed members cast in situ complete in all respects. Type B (nominal mix 1: 2: 4)

| with shuttering | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| pillar base | 2 | x 3 | x | 3 | x | 1/2 | 9 | Cft |
| pillar | 2 | x 1 1/8 | x | 1 1/8 | x | 18 5/8 | 47 | Cft |
| beam | 1 | x 5 3/4 | x | 1 1/8 | x | 3/4 | 5 | Cft |
| beam | 2 | x 4 5/8 | x | 1 1/8 | x | 3/4 | 8 | Cft |
| top Slab | 1 | x 5 3/4 | x | 5 3/4 | x | 3/8 | 12 | Cft |
| | | | | | **Total** | **81** | **Cft** | |
| | | | | | @ | **559.20** | **P.Cft** | **Rs. 45295/-** |

**5** Fabrication of mild steel reinforcement for cement concrete i.e. cutting bending, laying in position, making joints and fasting i.e. cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). Deformed bars. 40 Grade

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 81 | x 6.75 | x | 0.454 | | | 248 | Kgs |
| | | | | **Total** | | **248** | **Kgs** |
| | | | | @ | | **31460.05** | **%Kgs** | **Rs. 78021/-** |

**6** Pacca bri ck work i n ground floor:-Ratio 1:6 Add extra labour for brickwork in:-i) fi rst floor

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| wall | 1 | x 5 3/4 | x | 3/4 | x | 4 7/8 | 21 | Cft |
| | | | | | **Total** | **21** | **Cft** | |
| | | | | | @ | **32275.25** | **P.Cft** | **Rs. 6778/-** |

**7** Cement plaster 1:4 upto 20' (6.00 m) height: 1/2" thick

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| piller | 2 | x 4 | x | 1 1/8 | x | 18 5/8 | | 168 | Sft |
| beam front | 1 | x 1 | x | 5 3/4 | x | 1 1/8 | | 6 | Sft |
| inside | 1 | x 1 | x | 3 1/2 | x | 3/4 | | 3 | Sft |
| beam sides | 2 | x 1 | x | 5 3/4 | x | 1 1/8 | | 13 | Sft |
| inside | 2 | x 1 | x | 3 7/8 | x | 3/4 | | 6 | Sft |
| wall | 1 | x 2 | x | 4 7/8 | x | 4 7/8 | | 48 | Sft |
| | 2 | x 1 | x | 3/4 | x | 4 7/8 | | 7 | Sft |
| | | | | | | | **Total** | **251** | **Sft** |
| | | | | | | | @ | **3285.45** | **% Sft** | **Rs. 8246/-** |

**8** Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height.1:3

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| slab | 1 x 1 | x | 5 3/4 | x | 5 3/4 | 33 | Sft |
| | | | | | **Total** | **33** | **Sft** |
| | | | | | @ | **3762.55** | **% Sft** | **Rs. 1242/-** |

**9** Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: 2- Coat to new surface.
Takeing Same as Qty item# 7&8 Above.

| | | | |
|---|---|---|---|
| 284 | Sft | | |
| **Total** | **284** | **Sft** | |
| @ | **5292.95** | **% Sft** | **Rs. 15032/-** |

**10** Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 81 | x 88 | / | 100 | | | 71 | Cft |
| | | | | **Total** | | **71** | **Cft** |
| | | | | @ | | **12161.75** | **% Cft** | **Rs. 8635/-** |

**11** Fabr i cati on of heav y steel wor k , wi th angl e, tees, f l at i r on round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, revitting, handling,assembling and fixing, but including

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| *Mettle Horizental 1.5" Squre* | 13 x 5 | x | 7.65 | x | 0.454 | 226 | Kgs |
| | | | | | **Total** | **226** | Kgs |
| | | | | | @ | **33890.45** | **% Kgs** |

**Rs. 76592/-**

**12** *Painting new surface:-Preparing surface and painting guard bars, gates of iron bars, gratings, railing ncluding standards, braces, etc.) and in similar open work:-*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1 x 2 | x | 3.5 | x | 5 | 35 | Sft |
| | | | | | **Total** | **35** | Sft |
| | | | | | @ | **1835.85** | **% Sft** |

**Rs. 643/-**

| | |
|---|---|
| **Total** | **Rs. 244680/-** |
| ~~Say~~ | ~~Rs. 244700/-~~ |
| Add 3% Contigency | 7340 |
| Total:- | = 252020 |
| say = | 252000 |

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

~~Sub~~ Engineer

## ANALYSIS OF FRONT ELEVATION FOR OPD BLOCK ENTRANCE

**1** *Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around str uctur e wi th ex cav ated ear th, water i ng and r ammi ng l ead upto one chain (30 m) and lift upto 5 ft. (1.5 m)By M annual in ordinary soil*

2 x 3 x 3 x 2 = 36 Cft

**Total 36 Cft**

@ 10712.60 %0Cft — Rs. 386/-

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

2 x 3 x 3 x 1/2 = 9 Cft

**Total 9 Cft**

@ 21099.80 %Cft — Rs. 1899/-

**3** *Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washi ng of stone aggregate):1:2:4*

2 x 3 x 3 x 1/4 = 5 Cft

**Total 5 Cft**

@ 38219.00 %Cft — Rs. 1911/-

**4** *Reinforced cement concrete in roof slabs beams columns lintels, girders and other structural members laid in situ or pre-cast laid in position or pre-stressed members cast in situ complete in all respects. Type B (nominal mix 1: 2: 4)*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *with shuttering* | | | | | | | | | |
| *pillar base* | 2 | x | 3 | x | 3 | x | 1/2 | 9 | Cft |
| *pillar* | 2 | x | 1 1/8 | x | 1 1/8 | x | 18 5/8 | 47 | Cft |
| *beam* | 1 | x | 11 5/8 | x | 1 1/8 | x | 3/4 | 10 | Cft |
| *beam* | 2 | x | 4 5/8 | x | 1 1/8 | x | 3/4 | 8 | Cft |
| ~~*top Slab*~~ | ~~1~~ | ~~x~~ | ~~11 5/8~~ | ~~x~~ | ~~5 3/4~~ | ~~x~~ | ~~3/8~~ | ~~25~~ | ~~Cft~~ |

**Total** ~~99~~ 74 **Cft** — 41381

@ 559.20 P.Cft — Rs. ~~553617/-~~ 41 381

**5** *Fabrication of mild steel reinforcement for cement concrete i.e. cutting bending, laying in position, making joints and fasting i.e. cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). Deformed bars. 40 Grade*

74 ~~99~~ 74 x 6.75 x 0.454 = ~~227~~ ~~305~~ Kgs

**Total 303 Kgs** — 7414

@ 31460.05 %Kgs — Rs. ~~95324/-~~ 7414

**6** *Pacca bri ck work i n ground floor:-Ratio 1:6 Add extra labour for brickwork in:-i) fi rst floor*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *wall* | 1 | x | 11 5/8 | x | 3/4 | x | 4 7/8 | 43 | Cft |

**Total 43 Cft**

@ 32275.25 P.Cft — Rs. 13878/-

**7** *Cement plaster 1:4 upto 20' (6.00 m) height: 1/2" thick*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *piller* | 2 | x | 4 | x | 1 1/8 | x | 18 5/8 | 168 | Sft |
| *beam front* | 1 | x | 1 | x | 11 5/8 | x | 1 1/8 | 13 | Sft |
| *inside* | 1 | x | 1 | x | 9 3/8 | x | 3/4 | 7 | Sft |
| *beam sides* | 2 | x | 1 | x | 5 3/4 | x | 1 1/8 | 13 | Sft |
| *inside* | 2 | x | 1 | x | 3 7/8 | x | 3/4 | 6 | Sft |
| *wall* | 1 | x | 2 | x | 11 5/8 | x | 4 7/8 | 113 | Sft |
| | 2 | x | 1 | x | 3/4 | x | 4 7/8 | 7 | Sft |

P/F Aluminium Cladded Partition 2mm Thick Frame Size D-48-A **Total** 327 Sft

i/c 12 mm Tinted Tempered Glass etc complete in all respect @ 3285.45 % Sft — Rs. 10743/-

**8** ~~*Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only upto 20' height.*~~

~~*slab*~~ 1 x 1 x 11 5/8 x 5.3/4 = 67 Sft

**Total** 1244.20 **67 Sft** — 83361

@ ~~3762.55~~ 1244.2 ~~%~~ Sft — Rs. ~~25221/-~~ 83361

**9** *Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: 2- Coat to new surface.*

*Takeing Same as Qty item# 7~~8~~ Above* = 327 ~~394~~ Sft

**Total 394 Sft**

@ 5292.95 % Sft — Rs. 20854/-

**10** *Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur*

74 ~~99~~ 74 x 88 / 100 = 65 65 ~~87~~ Cft — 7905

**Total** 65 65 ~~87~~ **Cft** — 7905

@ 12161.75 % Cft — Rs. ~~10581/-~~

**11** *Fabr i cati on of heav y steel wor k , wi th angl e, tees, f l at i r on round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, revitting, handling,assembling and fixing, but including*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Mettle Horizental* | | | | | | | | | |
| *1.5" Squre* | *13* | *x* | *10 3/8* | *x* | *7.65* | *x* | *0.454* | *468* | *Kgs* |
| | | | | | | | ***Total*** | ***468*** | *Kgs* |
| | | | | | | | ***@*** | ***33890.45*** | ***% Kgs*** |

***Rs. 158607/-***

**12** *Painting new surface:-Preparing surface and painting guard bars, gates of iron bars, gratings, railing ncluding standards, braces, etc.) and in similar open work:-*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | *1* | *x* | *2* | *x* | *9.375* | *x* | *5* | *94* | *Sft* |
| | | | | | | | ***Total*** | ***94*** | *Sft* |
| | | | | | | | ***@*** | ***1835.85*** | ***% Sft*** |

***Rs. 1726/-***

***Total*** ***Rs. 373791/-***

~~Say Rs. 373800/-~~

Add 3% Contingency 12316 —

Total = 422835 —

Say = 422800 —

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

## ANALYSIS OF FRONT ELEVATION FOR ADMIN BLOCK

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2 | x | 3 1/2 | x | 3 | x | 2 | 42 | Cft |
| | 1 | x | 3 1/2 | x | 3 1/2 | x | 2 | 25 | Cft |
| | | | | | | | **Total** | **67** | **Cft** |
| | | | | | | | **@** | **10712.60** | **%0Cft** |

**Rs. 718/-**

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2 | x | 3 1/2 | x | 3 | x | 1/2 | 11 | Cft |
| | 1 | x | 3 1/2 | x | 3 1/2 | x | 1/2 | 6 | Cft |
| | | | | | | | **Total** | **17** | **Cft** |
| | | | | | | | **@** | **21099.80** | **%Cft** |

**Rs. 3587/-**

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2 | x | 3 1/2 | x | 3 | x | 1/4 | 5 | Cft |
| | 1 | x | 3 1/2 | x | 3 1/2 | x | 1/4 | 3 | Cft |
| | | | | | | | **Total** | **8** | **Cft** |
| | | | | | | | **@** | **38219.00** | **%Cft** |

**Rs. 3058/-**

**4** *Reinforced cement concrete in roof slabs beams columns lintels, girders and other structural members laid in situ or pre-cast laid in position or pre-stressed members cast in situ complete in all respects. Type B (nominal mix 1: 2: 4) with shuttering*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *pillar base* | 2 | x | 3 1/2 | x | 3 | x | 1/2 | 11 | Cft |
| *pillar base* | 1 | x | 3 1/2 | x | 3 1/2 | x | 1/2 | 6 | Cft |
| *pillar* | 3 | x | 1 1/2 | x | 1 1/8 | x | 18 5/8 | 94 | Cft |
| *pillar* | 1 | x | 3/8 | x | 1 1/8 | x | 18 5/8 | 8 | Cft |
| *beam* | 1 | x | 30 3/8 | x | 1 1/8 | x | 1 1/8 | 38 | Cft |
| *beam* | 1 | x | 13 1/4 | x | 1 1/8 | x | 1 1/8 | 17 | Cft |
| *beam* | 3 | x | 4 5/8 | x | 1 1/8 | x | 1 1/8 | 18 | Cft |
| ~~*top Slab*~~ | ~~1~~ | ~~x~~ | ~~30 3/8~~ | ~~x~~ | ~~5 3/4~~ | ~~x~~ | ~~3/8~~ | ~~65~~ | ~~Cft~~ |
| ~~*top Slab*~~ | ~~1~~ | ~~x~~ | ~~8 5/8~~ | ~~x~~ | ~~5 3/4~~ | ~~x~~ | ~~3/8~~ | ~~19~~ | ~~Cft~~ |
| | | | | | | | **Total** ~~192 276~~ 192 | | **Cft** |
| | | | | | | | **@** | **559.20** | **P.Cft** |

107366
107366
**Rs.** ~~1548897~~

**5** *Fabrication of mild steel reinforcement for cement concrete i.e. cutting bending, laying in position, making joints and fasting i.e. cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). Deformed bars. 40 Grade*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ~~192 276~~ | x | 6.75 | x | 0.454 | 846 | Kgs | 184985 |
| | | | | **Total** | **846** | **Kgs** | |
| | | | | **@** | **31460.05** | **%Kgs** | **Rs.** ~~266152/-~~ 184985 |

**6** *Pacca brick work in ground floor:-Ratio 1:6 Add extra labour for brickwork in:-i) first floor*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *wall* | 1 | x | 25 3/8 | x | 3/4 | x | 4 7/8 | 93 | Cft |
| *wall* | 1 | x | 8 5/8 | x | 3/4 | x | 4 7/8 | 32 | Cft |
| | | | | | | | **Total** | **125** | **Cft** |
| | | | | | | | **@** | **32275.25** | **P.Cft** |

**Rs. 40344/-**

**7** *Cement plaster 1:4 upto 20' (6.00 m) height: 1/2" thick*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| *pillar* | 3 | x | 2 | x( 1 1/2 | + | 1 1/8 | )x | 18.625 | 293 | Sft |
| *piller* | 1 | x | 2 | x | 3/8 | x | 18 5/8 | | 14 | Sft |
| *beam front* | 1 | x | 1 | x | 30 3/8 | x | 1 1/2 | | 46 | Sft |
| *inside* | 1 | x | 1 | x | 28 1/8 | x | 1 1/8 | | 32 | Sft |
| *beam sides* | 3 | x | 1 | x | 5 3/4 | x | 1 1/2 | | 26 | Sft |
| *inside* | 3 | x | 1 | x | 3 7/8 | x | 1 1/8 | | 13 | Sft |
| *wall* | 1 | x | 2 | x | 25 3/8 | x | 4 7/8 | | 247 | Sft |
| | 1 | x | 2 | x | 9 3/8 | x | 4 7/8 | | 91 | Sft |
| P/F Aluminium Rotation of anodized/Powder Coated 2mm Thick | | | | | | | | **Total** | **762** | **Sft** |
| i/c 12mm Tinted Tempered Glass etc Complete in all respect | | | | | | | | **@** | **3285.45** | **% Sft** |

**Rs. 25035/-**

**8** ~~*Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3*~~

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *slab* | 1 | x | 1 | x | 30 3/8 | x | 5 3/4 | 175 | Sft |
| *slab* | 1 | x | 1 | x | 8 5/8 | x | 5 3/4 | 50 | Sft |
| | | | | | | | **Total** | **225** | **Sft** |
| 1244.20 | | | | | | | **@** ~~1244.20 2762.55~~ | | **% Sft** |

279945
**Rs.** ~~8466/-~~ 279945

**9** *Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: 2- Coat to new surface.*
*Takeing Same as Qty item# 7~~8~~ Above*

762 762
~~987~~ Sft
762
**Total** ~~987~~ **Sft**
**@** **5292.95** **% Sft**

40332
**Rs.** ~~52241/-~~

**10** *Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur*

192 ~~276~~ x 88 / 100 = 169 ~~243~~ Cft

| | | | |
|---|---|---|---|
| | **Total** | 169 ~~243~~ | **Cft** |
| | **@** | **12161.75** | **% Cft** |

20553
Rs. ~~29653/-~~ 20553

**11** *Fabr i cati on of heav y steel wor k , wi th angl e, tees, f l at i r on round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, revitting, handling,assembling and fixing, but including erection in position*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *Mettle Horizental 1.5" Squre* | *13* | *x* | *28 3/8* | *x* | *7.65* | *x* | *0.454* | *1281* | *Kgs* |
| *Mettle Horizental 1.5" Squre* | *13* | *x* | *12 3/8* | *x* | *7.65* | *x* | *0.454* | *559* | *Kgs* |
| | | | | | | | **Total** | **1,840** | *Kgs* |
| | | | | | | | **@** | **33890.45** | **% Kgs** |

**Rs. 623584/-**

**12** *Painting new surface:-Preparing surface and painting guard bars, gates of iron bars, gratings, railing ncluding standards, braces, etc.) and in similar open work:-*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| *1* | *x* | *2* | *x* | *27.375* | *x* | *5* | *274* | *Sft* |
| *1* | *x* | *2* | *x* | *11.375* | *x* | *5* | *114* | *Sft* |
| | | | | | | **Total** | **388** | *Sft* |
| | | | | | | **@** | **1835.85** | **% Sft** |

*Rs. 7123/-*

1336630

**Total** Rs. ~~1214200/-~~

**Say** Rs. ~~1214000/-~~

Addition Cartage = 40899
Total = 1376729
Say = 1376700

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

Glasgow-

☆ Page 8 Price well in H.F 1:6 ile new Entre for Flour.

Work $1+8\frac{5}{8}+\frac{3}{4}\times 4\frac{7}{8} = 31-04$:

✓ ◎ 31.375:35 ÷ 4F = 1032.8-

## ANALYSIS OF FRONT ELEVATION FOR 5-PILLERS

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

1 x 12 1/8 x 3 x 2 = 73 Cft

**Total** **73** **Cft**

@ **10712.60** **%0Cft** **Rs. 782/-**

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

1 x 12 1/8 x 3 x 1/2 = 18 Cft

**Total** **18** **Cft**

@ **21099.80** **%Cft** **Rs. 3798/-**

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

1 x 12 1/8 x 3 x 1/4 = 9 Cft

**Total** **9** **Cft**

@ **38219.00** **%Cft** **Rs. 3440/-**

**4** Reinforced cement concrete in roof slabs beams columns lintels, girders and other structural members laid in situ or pre-cast laid in position or pre-stressed members cast in situ complete in all respects. Type B (nominal mix 1: 2: 4)

with shuttering

beam 1 x 12 1/8 x 3 x 1 = 36 Cft

pillar 5 x 1 1/8 x 1 1/8 x 18 1/8 = 115 Cft

5 × 4 5/8 × 1 1/8 × 1 1/2 = 28

**Total** 182 ~~115~~ 180 **Cft**

@ **559.20** **P.Cft** **Rs. ~~64300/-~~ 100656**

100656

**5** Fabrication of mild steel reinforcement for cement concrete i.e. cutting bending, laying in position, making joints and fasting i.e. cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). Deformed bars. 40 Grade

552 552

180 ~~115~~ 180 x 6.75 x 0.454 = ~~362~~ 552 Kgs

**Total** ~~362~~ 552 **Kgs**

@ **31460.05** **%Kgs** **Rs. ~~110739/-~~ 173659**

173659

**6** Cement plaster 1:4 upto 20' (6.00 m) height: 1/2" thick

piller 5 x 4 x 1 1/8 x 18 1/8 = 408 Sft

5×4×4 5/8 × 1 1/8 = 104-587

walls 1×2×8 5/8×4 7/8 = 84-41

2×1×3/4×4 7/8 = 7-547

**Total** 603 ~~408~~ **Sft**

@ **3285.45** **% Sft** **Rs. ~~13403/-~~ 19811**

19811

**7** Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: 2- Coat to new surface.

Takeing Same as Qty item# 7&8 Above

603 603 Sft

**Total** 603 ~~408~~ 603 **Sft**

@ **5292.95** **% Sft** **Rs. ~~21595/-~~ 31916**

31916

**8** Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

158

182 180 ~~115~~ x 88 / 100 = ~~101~~ Cft

**Total** 158 158 ~~101~~ **Cft**

@ **12161.75** **% Cft** **Rs. ~~12283/-~~ 19216**

19216

**Total** **Rs. 230350/-**

~~Say~~ ~~Rs. 230400/-~~

Add 3% contingency 10908 -

Total 374514 -

Say 374500 -

Executive Engineer
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

* Rate for Structural work for R.C.C. slab Beam etc. as per Structural work for Floor

1+4 7/8 × 3/4 × 4 7/8 = 18.47 sqm

Ⓒ 3427.5 sqm = 581 Qtl

## ANALYSIS OF FRONT ELEVATION FOR 3-PILLERS

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

1 x 7 5/8 x 3 x 2 — 46 Cft

**Total** 46 **Cft**

@ 10712.60 **%0Cft** **Rs. 493/-**

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

1 x 7 5/8 x 3 x 1/2 — 11 Cft

**Total** 11 **Cft**

@ 21099.80 **%Cft** **Rs. 2321/-**

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

1 x 7 5/8 x 3 x 1/4 — 6 Cft

**Total** 6 **Cft**

@ 38219.00 **%Cft** **Rs. 2293/-**

**4** *Reinforced cement concrete in roof slabs beams columns lintels, girders and other structural members laid in situ or pre-cast laid in position or pre-stressed members cast in situ complete in all respects. Type B (nominal mix 1: 2: 4)*

*with shuttering*

*beam* 1 x 7 5/8 x 3 x 1 — 23 Cft

*pillar* 3 x 1 1/8 x 1 1/8 x 18 1/8 — 69 Cft

3 × 4 5/8 × 1 1/8 × 1 1/8 = 18 Cft

**Total** ~~69~~ 110 **Cft** 61512

@ 559.20 **P.Cft** Rs. ~~36585/-~~ 61512

**5** *Fabrication of mild steel reinforcement for cement concrete i.e. cutting bending, laying in position, making joints and fasting i.e. cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). Deformed bars. 40 Grade*

337 ~~211~~ Kgs

~~110~~ 110 x 6.75 x 0.454

**Total** ~~211~~ 337 **Kgs** 106020

@ 31460.05 **%Kgs** Rs. ~~66681/-~~ 106020

**6** *Cement plaster 1:4 upto 20' (6.00 m) height: 1/2" thick*

362 ~~245~~ Sft

*piller* 3 x 4 x 1 1/8 x 18 1/8

3 × 4 × 4 5/8 × 1 1/8 = 62 Cft

1+2 × 4 7/8 × 4 7/8 = 48 Cft

2+1 × 3/4 × 4 7/8 = 7 Cft

**Total** 362 ~~245~~ **Sft** 11893

@ 3285.45 **% Sft** Rs. ~~8049/-~~ 11893

**7** *Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect: 2- Coat to new surface.*

*Takeing Same as Qty item# 7&8 Above*

362 ~~245~~ Sft

**Total** 362 ~~245~~ **Sft** 19160

@ 5292.95 **% Sft** Rs. ~~12968/-~~ 19160

**8** *Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur*

69 x 88 / 100 — 61 Cft

**Total** 61 **Cft** 11787

@ 12161.75 **% Cft** Rs. ~~7419/-~~

**Total** 221289

**Say** ~~Rs. 138509/-~~ ~~Rs. 138500/-~~

Add 3% contingency 6639

Total = 227938-

Say = 227900-

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

## THQ HasilPur
### Provision/Installation of Electrical Equipment.

| S.# | | Qty: | Unit | Rate | Amount |
|---|---|---|---|---|---|
| A | **L.T. (LV) SUB-STATION EQUIPMENT:** | | | | |
| 1 | **Construction of ELECTRICAL ROOM(14'x16')** | 1 | Job | 1525100 | 1525100 |
| 2 | P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |
| | **MDB-1(For PDBs)** | | | | |
| | **Incoming From Transformers** | | | | |
| | (i) LT Switchboards | 9 | ~~Sft~~ | | |
| | (a) 12" deep | 1 | ~~each~~ | 4,512.80 | 40615.2 |
| | (i) 200A (3'x3'x12") | | | | |
| | **Incoming breakers for MDB-1** | | | | |
| | 1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 200A(36 KA) 1*1=1 | 1 | each | 39,814.30 | 39814.3 |
| | **Outgoing breakers for MDB-1** | | | | |
| | (a) Tripple Pole 100A(36 KA) 1*4=4 | 4 | each | 17,434.30 | 69737.2 |
| | (b) Tripple Pole 150A(36 KA) 1*3=3 | 3 | each | 18,094.30 | 54282.9 |
| 3 | P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally). | | | | |
| | **ATS (for 100 KVA Generator and Transformer)** | | | | |
| | **Incoming from Generator and ATS for dual supply** | 1 | each | 801,447.70 | 801447.7 |
| | (b) 1.00 Ft deep | | | | |
| | (ii) 100KVA | | | | |
| | **Incoming Breakers For ATS (for 100 KVA Generator and Transformer)** | | | | |
| | 1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 200A(36 KA) ( 1* 1=1) | 1 | each | 39,814.30 | 39814.3 |
| | **Outgoing Breakers For ATS (for 100 KVA Generator and Transformer)** | | | | |
| | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 63A(36 KA) ( 3* 3=9) | 9 | each | 17,434.30 | 156908.7 |
| 4 | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |
| | **PDBs (For OPD & Emergency)** | | | | |
| | (a) 6" deep | 4 | ~~each~~ | 13,809.80 | 126359.67 |
| | (ii) 100A (30"x22"x6") | | | | |
| | **Incoming Breakers for PDBs (For OPD & Emergency)** | | | | |
| | 1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 100A(36 KA) (1*4=4) | 4 | each | 17,434.30 | 69737.2 |
| | **Outgoing Breakers for PDBs (For OPD & Emergency)** | | | | |
| | 2 Supplying,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in preland DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 63A(10 KA) (1*4=4) | 4 | each | 8,434.30 | 33737.2 |
| | (b) Single Pole 32A(10 KA) (6*4=24) | 12 | each | 1,299.95 | 15599.4 |
| | (d) Single Pole 16A(10 KA) (7*4=28) | 28 | each | 1,299.95 | 36398.6 |
| 5 | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |
| | PDBs (For wards) | 27 | ~~Sft~~ | | |
| | (a) 12" deep | 3 | ~~each~~ | 4,512.80 | 121845.6 |
| | (ii) 150A (3'x3'x12") | | | | |
| | **Incoming Breakers for PDBs (For wards)** | | | | |
| | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | 3 | each | 18,094.30 | 54282.9 |
| | (a) Tripple Pole 150A(36 KA) (1*2=2) | | | | |
| | **Outgoing Breakers for PDBs (For wards)** | | | | |

| S.# | | | Qty: | Unit | Rate | Amount |
|---|---|---|---|---|---|---|
| | | Supplying,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) | Tripple Pole 63A(36 KA) (3*3=9) | 9 | each | 17,434.30 | 156908.7 |
| | (b) | Single Pole 32A(10 KA) (6*3=18) | 18 | each | 1,299.95 | 23399.1 |
| | (c) | Single Pole 16A(10 KA) (6*3=18) | 18 | each | 1,299.95 | 23399.1 |
| 6 | | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |
| | | LDBs (For OPD & Emergency) | 6 | Set | | |
| | (a) | 6" deep | 4 | each | 18,691.40 | 112148.4 |
| | (ii) | 63A (18"x12"x6") | | | | |
| | | **Incoming Breakers for LDBs (For OPD and Emergency)** | | | | |
| | | Supplying ,installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) | Tripple Pole 63A(36 KA) (1*4=4) | 4 | each | 17,434.30 | 69737.2 |
| | | **Outgoing Breakers for LDBs (For Wards)** | | | | |
| | | Supplying Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) | Single Pole 20A(10 KA) (4*4=16) | 16 | each | 1,299.95 | 20799.2 |
| | (b) | Single Pole 16A(10 KA) (4*4=16) | 16 | each | 1,299.95 | 20799.2 |
| | (c) | Single Pole 10A(10 KA) (6*4=24) | 14 | each | 1,299.95 | 18199.3 |
| 7 | | Earthing of mop clad/aluminum switches, etc. with G.I. wire No.8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2".) dia with reducing socket 4 to 5 metre below ground level and 2 metre away from building plinth | 2 | P.Job | 9635.15 | 19270.3 |
| **B** | **LT POWER CABLE.** | | | | | |
| | 1 | 95 mm sq (7/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer)** | 200 | rft | 3,676.95 | 735390 |
| | 2 | 70 mm sq (19/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer and MDP-1)** | 430 | rft | 2,656.70 | 1142381 |
| | 3 | 50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For PDBs)** | 430 | rft | 1,859.25 | 799477.5 |
| | 4 | 7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(For LDBs and ACs)** | 300 | rft | 160.75 | 48225 |
| | | **Add Wapda Charges** | | | | |
| | | | | | | |
| | | **TOTAL** | | | | 6375815 |

Add 3% contingency 145524

Total 6521339

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

## REVISED ROUGH COST ESTIMATE FOR THE "CONSTRUCTION OF CONTROL ROOM IN THQ HOSPITAL HASILPUR DISTRICT BAHAWALPUR

**Abstract of Cost**

| Sr. No. | Description of Items | Plinth Area | Rates (Rs./Sft) | | | | Total (Rs.) | Unit | Amount (Rs.) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | B.P | E.I | P.H | Sui Gas | | | | |
| i | Construction of Control Room (size: 14' x 20') | 362 Sft | 3603 | 227 | | | 3830 | P. Sft | 1386460 | Based on Plinth Area rates for 2nd-Bi-Annual 2022. |
| | | | | | | | **Total "A"** | | **1386460** | |
| | **External Development Work** Add 10 % external development work on Rs. | Rs. 1386460/- | | | | | | | 138646 | |
| | | | | | | | **Total** | | **1525106** | |
| | | | | | | | | **Say** | 1525100 | |
| | | | | | | | | **Or** | **1.525 (M)** | |

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

## REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## REPLACEMENT OF WATER SUPPLY DISTRIBUTION SYSTEM THQ HOSPITAL HASILPUR

*Chapter No. 3 Item No. 44*

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3" i/dia PVC | 1 | X | 500 | x | 2.00 | x | 3.00 | = | 3000 Cft |
| 3" i/dia PVC | 2 | X | 280 | x | 2.00 | x | 3.00 | = | 3360 Cft |
| 3" i/dia PVC | 1 | X | 210 | x | 2.00 | x | 3.00 | = | 1260 Cft |
| 3" i/dia PVC | 2 | X | 76 | x | 2.00 | x | 3.00 | = | 912 Cft |
| 3" i/dia PVC | 1 | X | 150 | x | 2.00 | x | 3.00 | = | 900 Cft |
| | | | | | | | Total | = | 9432 Cft |

9432 Cft. @ Rs. 7,647.00 Per %o Cft. Rs. 72127 /-

*Chapter No. 23 Item No. 43*

2 Providing, laying, cutting, jointing,testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/Dadex/ Popular /IIL or equivalent,in trenches, as approved & directed by the engineer incharge, complete in all respects.PN-20 (SDR-9)

i) 90mm — 1572 Rft @ Rs. 418.85 Per Rft Rs. 658432 /-

*Chapter No. 3 Item No. 13(a)*

3 Rehandling of earth work up to single throw of kassi.

Same As item No:01 Above

9432 Cft. @ Rs. 2,547.60 Per %o Cft. Rs. 24029 /-

4 Making connection for new watersupply lines with the The rate includes the component of running main, including excavation of trench and refilling, bailing out water from the trench complete, but excluding cost of pipe and specials, et

Diameter of running main: upto 6" i/d (150 mm)

20 No. @ Rs. 2976.60 Each Rs. 59532 /-

5 Providing laying,testing and commissioning polypropylene random copolymer (PPRC)(Dadex) water supply pipe (PN20) complete in all respect as approved by the Engineer incharge.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 32mm | 1 | x | 150 | | | = | 150 Rft |
| | | | 150 | Rft. @ Rs. | 107.05 | | Per Rft. Rs. 16058 /- |

Chapter 23 Item 31

6 Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):-

| | | | | |
|---|---|---|---|---|
| 3" i/d | 3 | No. @ Rs. | 16750.30 | Each Rs. 50251 /- |
| 4" i/d | 4 | No. @ Rs. | 18404.75 | Each Rs. 73619 /- |

Chapter 23 Item 23

7 Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with flanged joints, using G.I pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves: ii) Medium Quality

4" i/d — 200 Rft. @ Rs. 1945.00 P.Rft Rs. 389000 /-

8 Providing and laying reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, complete in all respects nominal mix 1: 2:4

under ground water tank

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Beam | 2 | X | 25.5 | x | 1.25 | x | 1 1/2 | = | 96 Cft |
| slab | 3.142 | x0.25 | 25.5 | x | 25.50 | x | 0.42 | = | 215 Cft |
| | | | | | | | Total | = | 311 Cft |

311 Cft. @ Rs. 559.20 Per Cft. Rs. 173911 /-

9 Fabrication of mild steel reinforcement for cement concrete, i/c cutting bending and laying in position making joints and chairs etc and fastenings i/c cost of binding wire and labour charges for binding of steel reinforcement using deformed bar of 40 grade.

under ground water tank

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Take same qty of item#13 above | 311 | x | 6.75 | x | 0.454 | = | 953 Kgs |
| | | | | | Total | = | 953 Kgs |

953 Kgs 31,460.05 %kg Rs. 299814 /-

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

under ground water tank

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| External Wall | 3.142 | x | 25.50 | x | 2.000 | = | 160 Sft |
| | | | | | Total | = | 160 Sft |

160 Cft. @ Rs. 3,285.45 %Sft Rs. 5257 /-

Chapter 21 Item 17

11 Fabrication of heavy steel work; with angle, tees, flat iron round iron and sheet iron for making trusses, girders, brackets, etc., including cutting, drilling, revitting, handling,assembling and fixing, i/c erection in position

20 Kgs 33,890.45 %Kgs Rs. 6778 /-

12 Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 100 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar to carry) to hasilpur

| | | | | | | |
|---|---|---|---|---|---|---|
| 311 | x | 88 | / | 100 | = | 274 Cft |

274 Cft. @ Rs. 12,161.75 Per % Cft. Rs. 33323 /-

Add 3% contingency = 55884/1=

TOTal = 1917995/1=

Say = 1918000/-

Total Rs. 1,862,131 /-

~~Say (Rs. 1,862,100/-~~

Executive Engineer
Buildings Division No.02,

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Sub Engineer

# REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## EXTERNAL SEWERAGE SYSTEM

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

| | | | | |
|---|---|---|---|---|
| S/L 9" | 1 x 30 | x 1 1/2 x 1 | = | 45 Cft |
| | 1 x 200 | x 1 1/2 x 1 | = | 300 Cft |
| | 1 x 35 | x 1 1/2 x 1 | = | 53 Cft |
| | 1 x 80 | x 1 1/2 x 1 | = | 120 Cft |
| Man Holes | 5 x 6 | x 4 1/2 x 1 1/2 | = | 203 Cft |
| | | **Total:** | = | 721 Cft |
| | | | @ | 11770.45 %0Cft Rs. 8486 /- |

2 P/L dry brick ballast 1-1/2" to 2" guage in F&P.

| | | | | |
|---|---|---|---|---|
| Man Holes | 5 x 6 | x 4 1/2 x 1/2 | = | 68 Cft |
| | | | @ | 8903.40 %Cft Rs. 6054 /- |

3 Providing and Laying RCC pipe moulded with cement concrete 1:1-1/2:3 with spigot socket or collar joints etc I/c cost of reinforcement conforming to BS 5911 Part 1:1981 class "L" I/c carriage of pipe from factory to site of work lowering in trenches to correct alignment and grade joining with rubber ring cutting pipes where necessary testing etc complete.

i) 9" i/dia

| | | | | |
|---|---|---|---|---|
| | 1 x( 30+200+35+80 ) | | = | 345.00 Rft |
| | | **Total** | = | **345.00 Rft** |
| | | | @ | 529.90 P. Rft Rs. 182816 /- |

4 (a) (i) Reinforced cement concrete in roof slab, beams,columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed embers cast in situ, complete in all respects:- 1:2:1 with shuttering.

| | | | | |
|---|---|---|---|---|
| Man Hole | 5 x 5 1/2 x 4 x 3/8 | | = | 41 Cft |
| | | | @ | 559.2 P. cft Rs. 22927 /- |

6 Fabrication of mild steel reinforcement i/c cutting, bonding, laying in position i/c cost of binding wire its labour charges also removal of rust from bars.

(b) Deformed bars (Grade-40)

| | | | | |
|---|---|---|---|---|
| Take Same Qty item#05 Above | | | | |
| | 41 x 5.00 x 0.454 | | = | 93.07 Kg |
| | | **Total:-** | = | **93.07 Kg** |
| | | | @ | 31460.05 % Kg Rs. 29280 /- |

5 Pacca brick work with cement sand mortor 1 : 4 in other than building.

| | | | | |
|---|---|---|---|---|
| Man Holes | 5 x 2 x 5 1/2 x 3/4 x 4 | | = | 165 Cft |
| | 5 x 2 x 2 1/2 x 3/4 x 4 | | = | 75 Cft |
| | | **Total:** | = | **240 Cft** |
| | | | @ | 31483.10 %Cft Rs. 75559 /- |

6 Providing and Laying cement concrete 1:2:4 plain.

| | | | | |
|---|---|---|---|---|
| Man Holes | 5 x 4 x 2 1/2 x 1/8 | | = | 6 Cft |
| | | | @ | 38219.00 %Cft Rs. 2293 /- |

7 1/2" thick cement plaster 1:4 up to 20' height.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Man Holes I/S | 5 | x 2 | x( 4 | + 2 1/2 | )x 4 | = | 260 Sft | |
| Top | 5 | x 2 | x( 5 1/2 | + 2 1/2 | )x 3/4 | = | 60 Sft | |
| O/S | 5 | x 2 | x( 5 1/2 | + 4 | )x 2 | = | 190 Sft | |
| | | | | | Total: | = | 510 Sft | |
| | | | | | | @ | 3285.45 %Sft | Rs. 16756 /- |

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

| | | | | | |
|---|---|---|---|---|---|
| 5 x 4 | x 2 1/2 | = | 50.00 Sft | | |
| | Total | = | 50.00 Sft | | |
| | | @ | 2976.75 % Sft | Rs. | 1488 /- |

9 Providing and fixing 6" (150 mm) thick R.C.C. manhole cover with 3" x3" x¼" (75x75x6mm) angle iron frame, 22" set set (550 mm) i /d as per standard drawi ng STD/PD No. 7 of 1977, complete in all respects

| | | | | | |
|---|---|---|---|---|---|
| ( 1 + 1 + 1 + 1 + 1 | )= | 5 No. | | | |
| Total | = | 5 No. | | | |
| | @ | 11568.35 Each | Rs. | 57842 /- | |

10 Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur.

| | | | | | |
|---|---|---|---|---|---|
| 41 x 88 / 100 | = | 36.00 Cft | | | |
| Total | = | 36.00 Cft | | | |
| | @ | 12161.75 % Cft | Rs. | 4378 /- | |

11 Rehandling of earthwork Lead upto a single throw of Kassi, phaorah or shovel.

Take Same Qy as item No.1 above.

| | | | | |
|---|---|---|---|---|
| = | 721 Cft | | | |
| @ | 2,547.60 %0 Cft | Rs. | 1837 /- | |

Total Rs. 409715 /-

Add 3% Contingency 12291/-

~~Say Rs. 409700 /-~~

Total = 422006/-

Say: 422000/-

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
Buildings Sub Division ,
Hasilpur

Sub Engineer

(49)

(48)

**REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.**

## PROVISION OF STREET LIGHTS IN T.H.Q HOSPITAL HASILPUR

1 Excavation of trenches in all kinds of soil, except cutting rock, for water supply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides. leveling the beds of trenches to correct grade and cutting pi ts f or j oi nts, etc. compl ete i n al l r espects

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | x | 230 | x | 1 | x | 2 | = | 920 Cft | |
| | 1 | x | 250 | x | 1 | x | 2 | = | 500 Cft | |
| | 1 | x | 100 | x | 1 | x | 2 | = | 200 Cft | |
| For Pole | 10 | x | 1.5 | x | 1.5 | x | 2.5 | = | 56 Cft | |
| | | | | | | | **Total** | = | 1676 Cft | **@ 7647.00%0Cft** **Rs. 12816/-** |

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

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| For Pole | 10 | x | 1.5 | x | 1.5 | x | 0.5 | = | 11 Cft | |
| | | | | | | | **Total** | = | 11 Cft | **@ 21099.80%Cft** **Rs. 2321/-** |

3 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washi ng of stone aggregate):1:2:4

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| For Pole | 10 | x | 1.5 | x | 1.5 | x | 2.5 | = | 56 Cft | |
| | | | | | | | **Total** | = | 56 Cft | **@ 21099.80%Cft** **Rs. 11816/-** |

4 Supply and erection of PVC pipe for wiring on surfaceincluding clamps inspection boxes, pull boxes, bends, tees,r epai r i ng sur f ace, etc., compl ete wi th al l speci al s:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1 | x( | 230 + | 230 | )= | 460 Rft | | |
| | 1 | x( | 250 + | 0 | )= | 250 Rft | | |
| | 1 | x | 100 | | = | 100 Rft | | |
| For Pole | 10 | x | 30 | | = | 300 Rft | | |
| | | | | **Total** | = | 1110 Rft | **@ 96.85P.Rft** | **Rs. 107504/-** |

5 Supply and erection of single core PVC insulated copperconductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an cappin?/G.I. wire/trenches

i **7/0.044"**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 2 | x( | 230 + | 230 | )= | 920 Rft | | |
| | 1 | x( | 250 + | 250 | )= | 500 Rft | | |
| | 1 | x( | 100 + | 100 | )= | 200 Rft | | |
| For Connection | 10 | x | 4 x | 5 | = | 200 Rft | | |
| | | | | **Total** | = | 1820 Rft | **@ 75.60P.Rft** | **Rs. 137592/-** |

ii **7/0.036"**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FOR POLE | 10 | x | 2 x | 36 | = | 720 Rft | | |
| | | | | **Total** | = | 720 Rft | **@ 54.25P.Rft** | **Rs. 39060/-** |

6 P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).

| | | | | | |
|---|---|---|---|---|---|
| 6" deep (i) 20~60A | | = | 1 Nos | | |
| | **Total** | = | 1 Each @ 18691.40Each | | **Rs. 18691/-** |

6 Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/ TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.

| | | | | |
|---|---|---|---|---|
| Single Pole 40Amp | | = | 10 Nos | |
| | **Total** | = | 10 Each @ 1103.05Each | **Rs. 11031/-** |
| Single Pole 63Amp | | = | 1 Nos | |
| | **Total** | = | 1 Each @ 1299.95Each | **Rs. 1300/-** |

6 Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4" ) deep, with 4.75 mm thick (3/16" ) bakelite sheet top, for to recessed wiring, including making holes for regulators, swi tches, pl ugs, etc

| | | | | |
|---|---|---|---|---|
| (7" x4" ) | | = | 10 Nos | |
| | **Total** | = | 10 Each @ 380.50Each | **Rs. 3805/-** |

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# Analysis of Rate

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

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

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

| | | | | |
|---|---|---|---|---|
| 1x10x10 | = | 100 Sft | | |
| 5% wastages | = | 5 ,, | | |
| **Total** | | **105 Sft** | | |
| | | @ 1500 P.Sft | | 157500 |
| | | **Total** | **Rs:** | **157500** |
| Add 20% contractor's profit and OHC | | | Rs: | 31500 |
| | | **G.Total** | **Rs:** | **189000** |

Rate P.Sft 189000 / 100 = 1890 P.Sft

**Say Rs: = 1890 P.Sft**

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer,
Buildings Sub Division

Sub Engineer

# Analysis of Rate:-

**Providing and laying of Lead Linning as per aproved design & approved completed in all respect and as approved by the Engineer 'incharge.**

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a Providing and laying of Lead Linning as per aproved design & approved completed in all respect and as approved by the Engineer 'incharge.

Thickness = 2mm

| | | | |
|---|---|---|---|
| 1x10x10 | = | 100 Sft | |
| 5% wastages | = | 5 ,, | |
| **Total** | | **105 Sft** | |
| | | @ 2065 P.Sft | 216825 |
| | | **Total Rs:** | **216825** |
| Add 20% contractor's profit and OHC | | Rs: | 43365 |
| | | **G.Total Rs:** | **260190** |

Rate P.Sft 260190 / 100 = 2602 P.Sft

**Say Rs: = 2600 P.Sft**

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer,
Buildings Sub Division
Hasilpur.

Sub Engineer

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UNIMIX

# Quotation

To,
**Executive Engineer**
**Buildings, Division-II, Bahawalpur.**

Date: 01-09-2022
Due Date: 15-09-2022
Ref No: UNI-110798

| Sr. No. | Description | Qty. (Sft) | Rate | Amount (Rs) |
|---|---|---|---|---|
| 1 | **Gerflor Flooring**<br>Ambiance Ultra<br>Anti-Bacterial<br>Anti-Static<br>Homogeneous<br>T Group => best abrasion resistance<br>TVOC after 28 days < 10Âµg/m3 => indoor air quality<br>Exclusive and patented Evercare™ surface treatment => easy maintenance<br>No wax for life and high stain resistance<br>High performance homogeneous flooring<br>Resistant to main chemical products used in healthcare.<br>Installed with Self leveling compound<br>Total Thickness: 2mm<br>Roll Size: 66 x 6.6 = 430sqft | 612 | 900 | 550,800 |
| 2 | **Anti-microbial Floor**<br>SPM<br>Wall Panels<br>Resists to 320 kg at 3 km/h<br>Panels Size: 9.8 feet height x 4.3 feet width<br>Non-porous 100% antibacterial material suitable for high infection risk areas<br>Welded joints possible for perfect water tightness between panels<br>Cove with vinyl flooring<br>Resists to standard cleaning, disinfection and antiseptic products (Anios and Bioquell test cycles) Bs2d0 - Heavy traffic<br>Antibacterial Sustainable<br>Insulation<br>(Without Frame) | 1680 | 1500 | 2,520,000 |
| 3 | **Non-porous Ceiling System**<br>Aluminum Dampa Ceiling<br>Non-porous<br>600mm x 600mm<br>Thickness: 0.7mm | 612 | 750 | 459,000 |
| 4 | **Lining**<br>Lining floor and wall cladding<br>Non-porous<br>48in x 48in<br>Thickness: 2mm | 1504 | 2065 | 3,105,760 |
| | **Amount:** | | | 6,635,560 |

**Conditions**

1. 70% advance payment 20% on delivery and balance upon completion of work.
2. Above prices are exclusive of all taxes.
3. All civil work required will be under client's responsibility.
4. Final payment will be made as per actual material delivered at site after job completion.


**Name:** Kaleem
**Phone No** 177794
**Email:** unimix.com.pk


Sub Divisional Officer
Buildings Sub Division
Hasilpur.

# Analysis of Rate:-

**Extra rate for the provision of aluminium plate D61 in Aluminium Door as approved by the engineer in-charge.**

Analysis Purpose---------- 8x4 = 32 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a provision of aluminium plate D61 in Aluminium Door as approved by the engineer in-charge.

D61

| | | | |
|---|---|---|---|
| 1x8x4 | = | 32 Sft | |
| 5% wastages | = | 5 ,, | |
| **Total** | | **37 Sft** | |
| | | @ 1081 P.Sft | 39997 |
| | | **Total Rs:** | **39997** |
| Add 20% contractor's profit and OHC | | Rs: | 7999.4 |
| | | **G.Total Rs:** | **47996** |

Rate P.Sft 47996 / 32 = 1500 P.Sft

**Say Rs: = 1500 P.Sft**

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer,
Buildings Sub Division

Sub Engineer

(57)

# Analysis of Rate:-

**Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.**

Analysis Purpose---------- = 10 Rft
Unit ----------P.Rft
2nd Bi-Annual 2022

a Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

| | | | | |
|---|---|---|---|---|
| Thicknes 14Swg 2"x2" | = | 10 Rft | | |
| **Total** | | **10 Rft** @ | 710 P.Rft | 7100 |
| | | **Total** | **Rs:** | **3750** |
| Add 20% contractor's profit and OHC | | | Rs: | 1420 |
| | | **G.Total** | **Rs:** | **4500** |

Rate P.Sft 8520 / 10 = 852 Rft

**Say Rs: 850 P.Sft**

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

Sub Divisional Officer,
Buildings Sub Division

Sub Engineer

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# یامین خلجی

## شٹر گیٹ پریس اینڈ گیٹ جالی ویلڈنگ ورکس

تاریخ 1-9-2022

کوٹیشن

بنام ایس۔ ڈی۔ او۔ بلڈنگز صب ڈویژن حاصلپور

1) سٹن لیس سٹیل دستکاری 2"×2" 1242500 = 710×1750

2) سٹن لیس سٹیل شیٹ 20 گیج 368000 = 1150×320

کل رقم 1610500

یامین خلجی

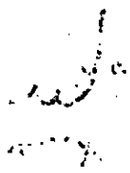
Verified.

Sub Divisonal Officer
Buildings Sub Division
Hasilpur.

**اسٹیل گرل اینڈ ایلومینیم ورکس**

ریلوے روڈ نزد غلہ گودام منڈی حاصل پور (بہاول پور)

0300-7850621 یامین خلجی
0300-7421621 طارق خلجی



**Providing and Fixing C.P Elbow Action for use in Scrub in Operation Theathers best quality complete in all respect as approved by the engineer incharge**

Unit = Each Set

| | | Web Input Ref: | Qty | Rate Per Unit | | Amount (Rs.) |
|---|---|---|---|---|---|---|
| **MATERIAL** | | | | | | |
| 1 | C.P Elbow Action for use in Scrub in Operation Theathers best quality | | 1.00 No. | 15310.00 | each | 15310.00 |
| | Total | | | | | 15310.00 |
| Contractor's Profit & Overhead charges | 20.00 Percent | | | | | 3,062.00 |
| | Total | | | | | 18,372.00 |
| **LABOUR** | | | | | | |
| 1 | Plumber | LB-046 | 0.04 No. | 1300 | per day | 54.17 |
| 2 | Cooly un-skilled | LB-015 | 0.04 No. | 965 | per day | 40.21 |
| | Total | | | | | 94.38 |
| | Sundries 10.00 Percent | | | | | 9.44 |
| | Total | | | | | 103.81 |
| Contractor's Profit & Overhead charges | 20.00 Percent | | | | | 20.76 |
| | Total | | | | | 124.58 |
| **ITEM RATES** | | | | | | |
| | Labour rate for Each | | Rs. | 124.58 | Say | 124.60 |
| | Composite rate for Each | | Rs. | 18496.58 | Say | 18500 (Each) |

Executive Engineer,
Buildings Division No.2,
Bahawalpur

*Sub Divisional Officer,*
Buildings Sub Division,
Hasilpur

(60

**عبدالرحمن پائپ سٹور**

نزد جامع مسجد حاصل پور ہزاریہ

**0321-7344325**

Date 1-9-2022

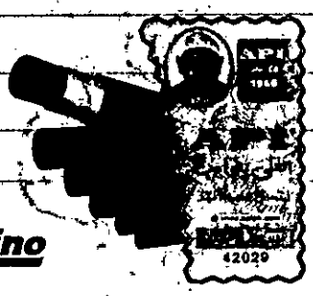
کوٹیشن بنام ایس، ڈی، او بلڈنگ سب ڈویژن حاصلپور

① الیوریشن 3" C.P مدد × 15310 = 45930

ٹوٹل رقم 45930

Abid
1-9-22

Sub Divisonal Officer
Buildings Sub Division
Hasilpur.



کسان کیپشن Rino

Providing and fixing water proof almirah shutters consisting of 15mm thick both side PVC Coated Foam Board sheet shutter with stainless steel golla 15mm wide alround fixed on PVC CoatedFoam Frame with full stainless steel hinges stainless steel handles lock & catcher, screws, rawal plug, complete.

| Detail | Unit Rate (British System) per Sft | | |
|---|---|---|---|
| | Qty | Rate Per Unit (Rs.) | Amount (Rs.) |
| **Rate Analysis for 3' x 6' = 18 Sft** | | | |
| **Material** | | | |
| **PVC CoatedFoam Board frame 15mm thick** | | | |
| 3x 6 | 18.00 Rft | | |
| 4x 3 | 12.00 Rft | | |
| | **30.00 Rft** | | |
| Wastage 05% | 1.50 Rft | | |
| | **31.50 Rft** | 100.00 P. Rft | 3,150.00 |
| **PVC Coated Foam Board shutter 15mm thick** | | | |
| 1x3'x6') | 18.00 Sft | | |
| Wastage 05% | 0.90 Sft | | |
| | **18.90 Sft** | 395.00 Sft | 7,465.50 |
| **Stainless steel Gola 15mm vide** | | | |
| Frame 2x6 | 12.00 Rft | | |
| 2x2x(3+6) | 36.00 Rft | | |
| Sheet 2x2x(4.5+1.5) | 24.00 Rft | | |
| 2x2x(1.5+1.5) | 12.00 Rft | | |
| | **84.00 Rft** | 35.00 P.Rft | 2,940.00 |
| SS Full hinges 1/2" i/c screws | 12.00 Rft | 180.00 P.Rft | 2,160.00 |
| SS handle dasti I/C screws | 2.00 Nos | 350.00 Each | 700.00 |
| SS Heavy Lock | 2.00 No | 250.00 Each | 500.00 |
| SS Heavy Catcher | 4.00 No | 180.00 Each | 720.00 |
| Rawal plug 1-½" long | 12.00 Nos | 5.00 Each | 60.00 |
| SS Screws 3" long | 1.00 Doz | 180.00 P. Doz | 180.00 |
| Glue | 0.20 Kg. | 240.00 P.Kg. | 48.00 |
| | | | **17,923.50** |
| Total | | | 3,584.70 |
| Contractor' 20 Percent | | | **21,508.20** |
| Total | | | |
| Rate Per Sft | 21508.20 / 18.00 | = | **1,194.90** |
| **Labour** | | | |
| For bringing the leaves to proper size fixing gola with glue and nail making/ fixing frame & fixing at site with rawal plug & screws. | | | |
| Carpenter LB-029 | 1.00 No | 1300.00 P. Day | 1,300.00 |
| Skilled Cooly LB-029 | 1.00 No | 1300.00 P. Day | 1,300.00 |
| | | | **2,600.00** |
| Total | | | 260.00 |
| Sundries 10 Percent | | | **2,860.00** |
| Total | | | |
| | | | 572.00 |
| Contractor' 20 Percent | | | **3,432.00** |
| Total. | | | |
| Rate Per Sft | 3432.00 / 18 | = | **190.67** |
| **Item Rates** | | | |
| Composite Rate Per Sft | | Rs. 1,385.57 Say | **1,386** |

Sub Divisonal Officer
Buildings Sub Division
Hasilpur.

REVEMPING OF T.H.Q HOSPITAL
HASILPUR DISTRICT BAHAWAL PUR.

PART PLAN, PART ELEVATION
(OPD BLOCK & ADMIN BLOCK)
( FOR APPROVAL )

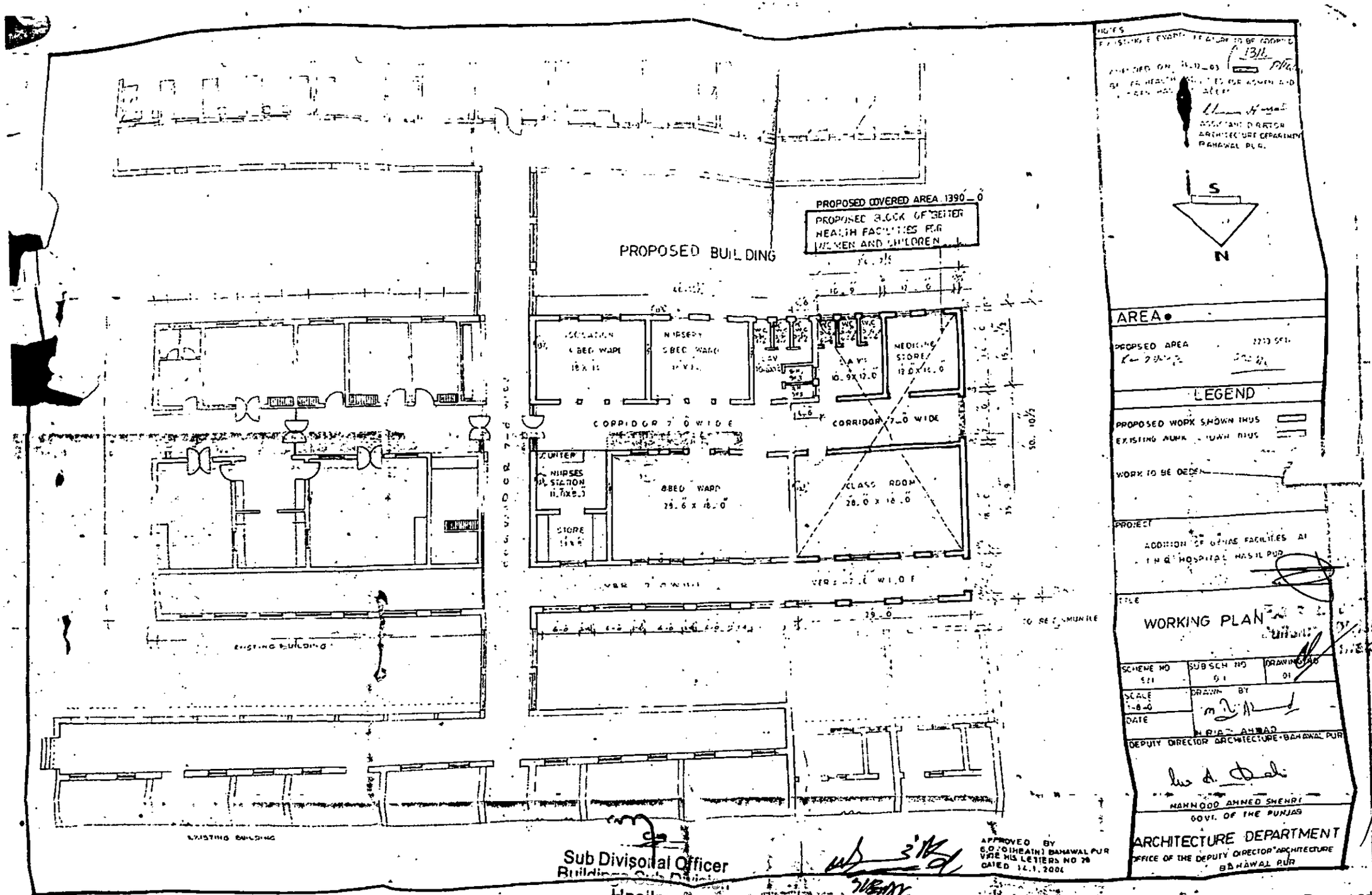
ARCHITECTURE DEPARTMENT

EXISTING FRONT ELEVATION

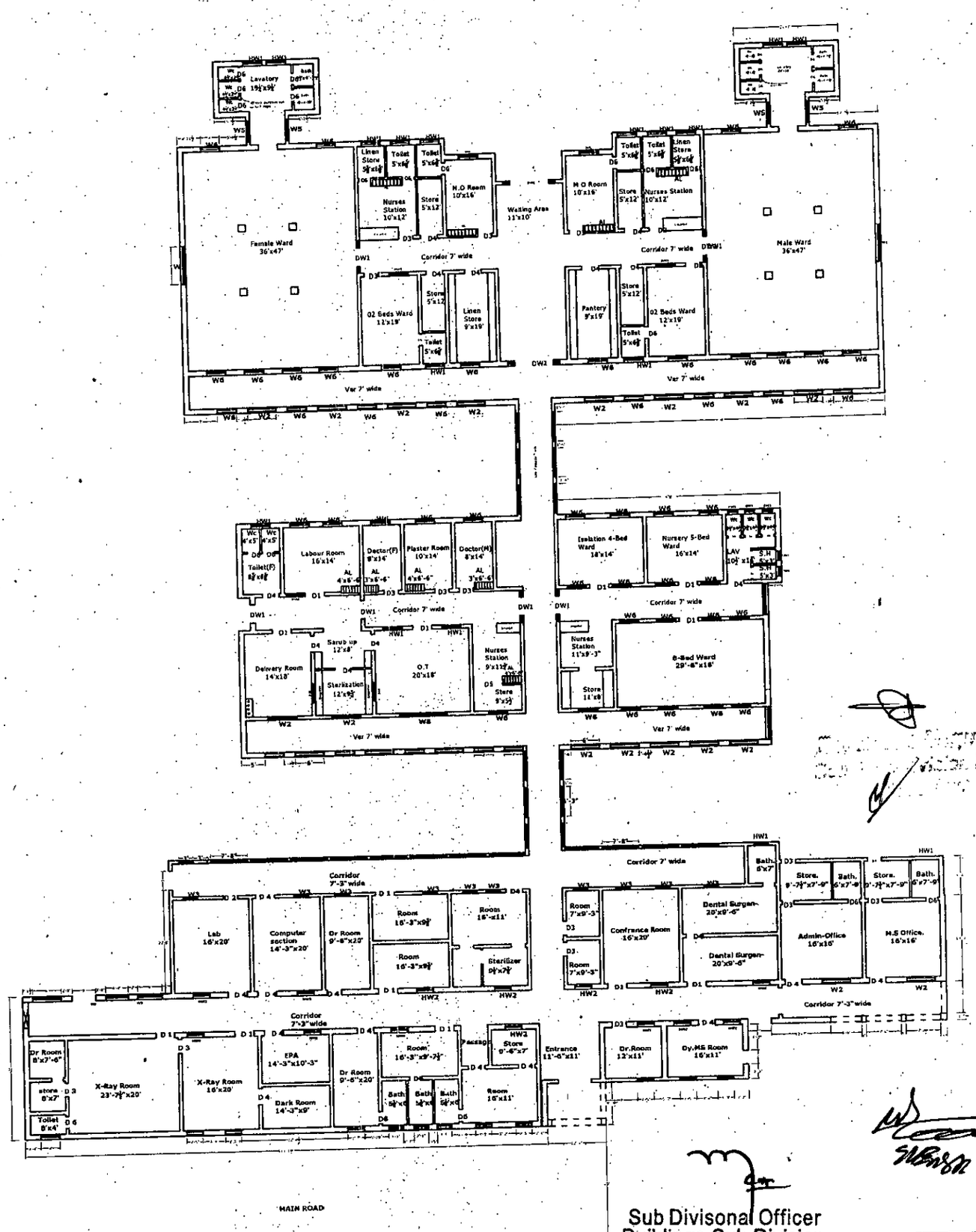
PROPOSED FRONT ELEVATION

PART PLAN

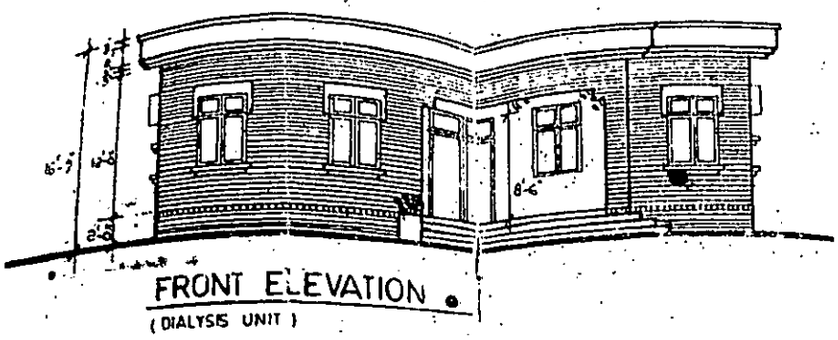
MAIN ROAD


PROPOSED BUILDING
PROPOSED COVERED AREA 1390-0
PROPOSED BLOCK OF BETTER HEALTH FACILITIES FOR WOMEN AND CHILDREN
ISOLATION 4 BED WARD 18'X 11'
NURSERY 5 BED WARD
MEDICINE STORE 12.0 X 10.0
CORRIDOR 7'-0 WIDE
NURSES STATION 11'X8'-0
6 BED WARD 25.6 X 18.0
CLASS ROOM 28.0 X 16.0
STORE
EXISTING BUILDING
EXISTING BUILDING
NOTES
AREA
PROPOSED AREA 2233 SFT.
LEGEND
PROPOSED WORK SHOWN THUS
EXISTING WORK SHOWN THUS
WORK TO BE DEMOLISHED
PROJECT
ADDITION OF BLOCK FACILITIES AT T.H.Q. HOSPITAL HASILPUR
TITLE
WORKING PLAN
SCHEME NO 521
SUBSCH NO 01
DRAWING NO 01
SCALE 1-8-0
DRAWN BY
DATE
DEPUTY DIRECTOR ARCHITECTURE-BAHAWALPUR
MAHMOOD AHMED SHEHRI
GOVT. OF THE PUNJAB
ARCHITECTURE DEPARTMENT
OFFICE OF THE DEPUTY DIRECTOR ARCHITECTURE
BAHAWALPUR
APPROVED BY
VIDE HIS LETTERS NO 78
DATED 14.1.2004
Sub Divisional Officer
Hasilpur

# PLAN OF OLD BUILDING T.H.Q HOSPITAL HASILPUR




Sub Divisonal Officer
Buildings Sub Division
Hasilpur.



FRONT ELEVATION •
( DIALYSIS UNIT )

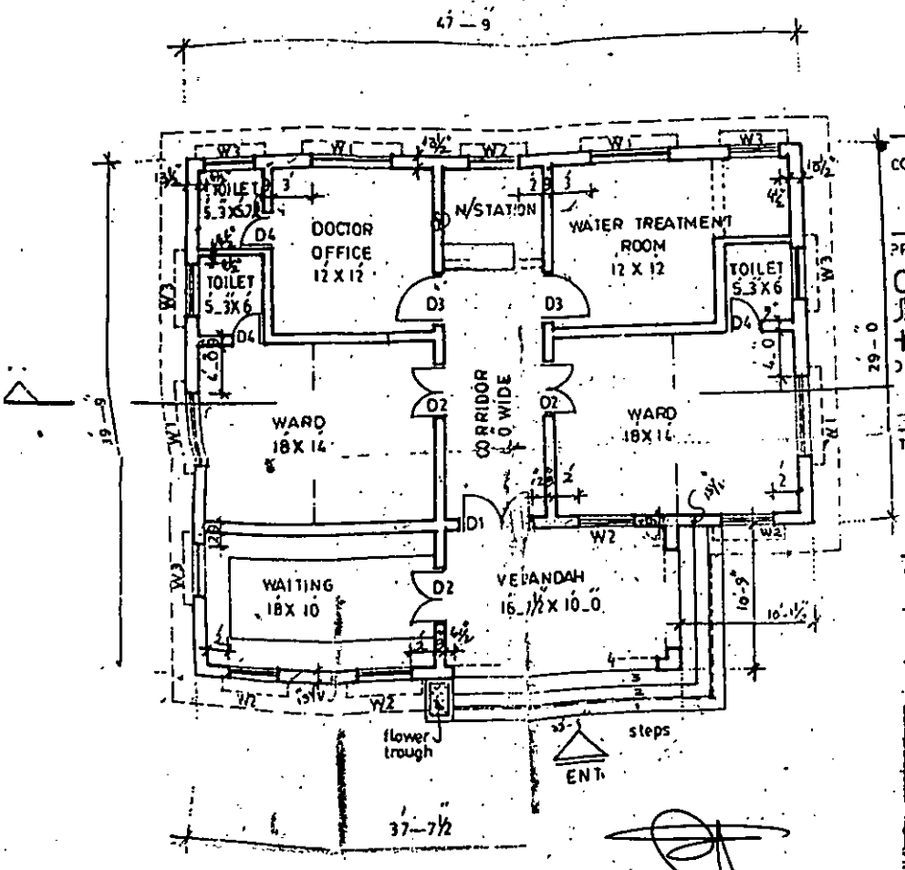
## SCHEDULE OF DOOR WINDOWS

| TYPE | WIDTH | HEIGHT | SILL | DESCRIPTION |
|---|---|---|---|---|
| D1 | 6'-0" | 8'-6" | – | STEEL FRAME FLUSH DOOR DOUBLE LEAVES WITH 18" FIXED FANLIGHT |
| D2 | 4'-0" | 8'-6" | – | " " " " " |
| D3 | 3'-6" | 8'-6" | – | SINGLE LEAF " " " " |
| D4 | 2'-6" | 7'-0" | – | " " " " WITHOUT FANLIGHT |
| W1 | 6'-0" | 5'-6" | 3'-0" | STEEL FRAME GLAZED WINDOW + OPENABLE INSIDE W.G. OUTSIDE |
| W2 | 4'-0" | 5'-6" | 3'-0" | " " " " " " |
| W3 | 4'-0" | 3'-0" | 5'-6" | STEEL FRAME GLAZED WINDOW + OPENABLE INSIDE W.G. OUTSIDE |
| D5 | 3'-6" | 7'-0" | – | STEEL FRAME FLUSH DOOR SINGLE LEAVE WITHOUT FA |

NOTES :-

1 - IF YOU FOUND ANY ERROR OR OMISSION IN THIS DRAWING, PLEASE CONTACT [illegible] FOR RECTIFICATION •

2 - STRUCTURAL STABILITY SHOULD BE CHECKED BY THE ENGINEER INCHARGE •




GROUND FLOOR PLAN OF DIALYSIS UNIT •

COVERED AREA OF DIALYSIS UNIT = 1739 SFT
" " " X-RAY UNIT = 1041 SFT

PROJECT :-
CONSTRUCTION OF DIALYSIS UNIT AND X-RAY UNIT AT TEHSIL HEADQUARTER HOSPITAL HASILPUR, DISTRICT BAHAWALPUR •

TITLE :-
WORKING DRAWING

| SCHEME NO. | SUB SCHEME NO | DRAWING NO |
|---|---|---|
| 521 | 1 | 2 |

SCALE :- 1" = 8'-0" | DATE :-

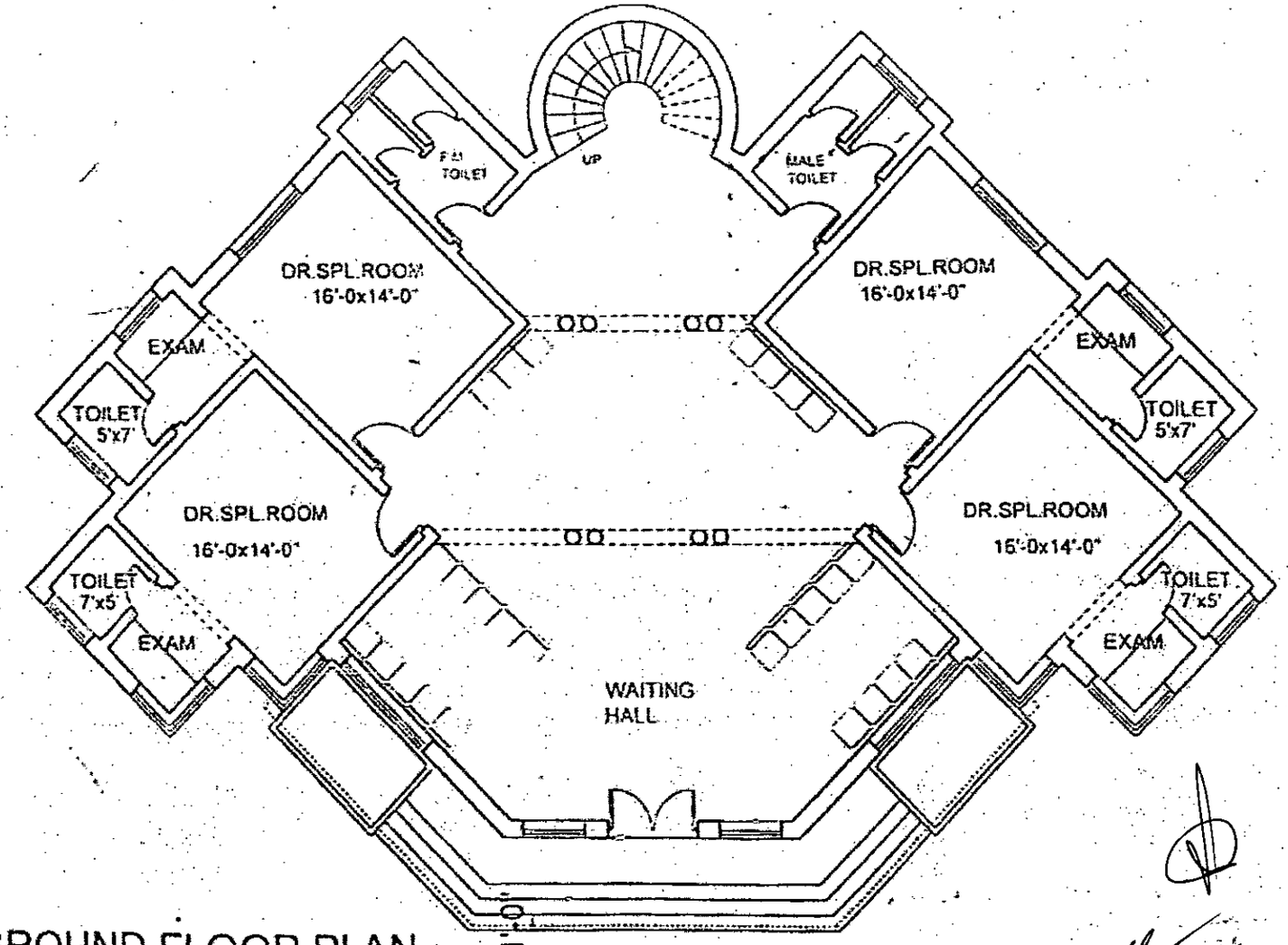
| DRAWN BY | ARCHITECTURAL ASSISTANT |
|---|---|
| M. ASIF ATTARI | M. MUKHTAR GONDAL |
| ASSISTANT DIRECTOR ARCHI: | DIRECTOR ARCHI: BWP |
| MUNAWAR HUSSAIN | |

GOVT: OF THE PUNJAB

ARCHITECTURE DEPARTMENT

OFFICE OF THE DIRECTOR ARCHITECTURE BAHAWALPUR

Sub Divisonal Officer
Buildings Sub Division
Hasilpur.




# GROUND FLOOR PLAN

COVERED AREA = 3100 Sft

1. All necessary NOC's / Permissions etc. to be obtained from the concerned authorities before commencement of project at site.
2. The site dimensions and profile as shown on the lay-out plan must be verified on ground prior to commencement of construction in order to avoid complications later on.
3. In case of any clarifications / omissions this office may be contacted immediately for rectification.
4. DPC Level to be kept 2'-0" high from the center of the existing as well as proposed road level.
5. HVAC, Public health, Electrical/Mechanical and landscape service to be obtained in consultation with this office prior to start of construction.

N

PROJECT: CONSTRUCTION OF 12-NOS SPECIALIST DOCTORS BLOCK IN TEHSIL HEAD QUARTER HOSPITAL AT HASIL PUR DISTRICT BAHAWALPUR.

TITLE: SKETCH PLAN (REVISED) (FOR APPROVAL ONLY)

| SCHEME NO | SUB SCHEME NO | DRAWING NO |
|---|---|---|
| | | |

SCALE : 1/4" = 1'-0" | DATED:

DRAWN BY: MUHAMMAD ZAFFAR KHAN

ASSISTANT DIRECTOR ARCHITECTURE: MUHAMMAD NADEEM SHAKIR

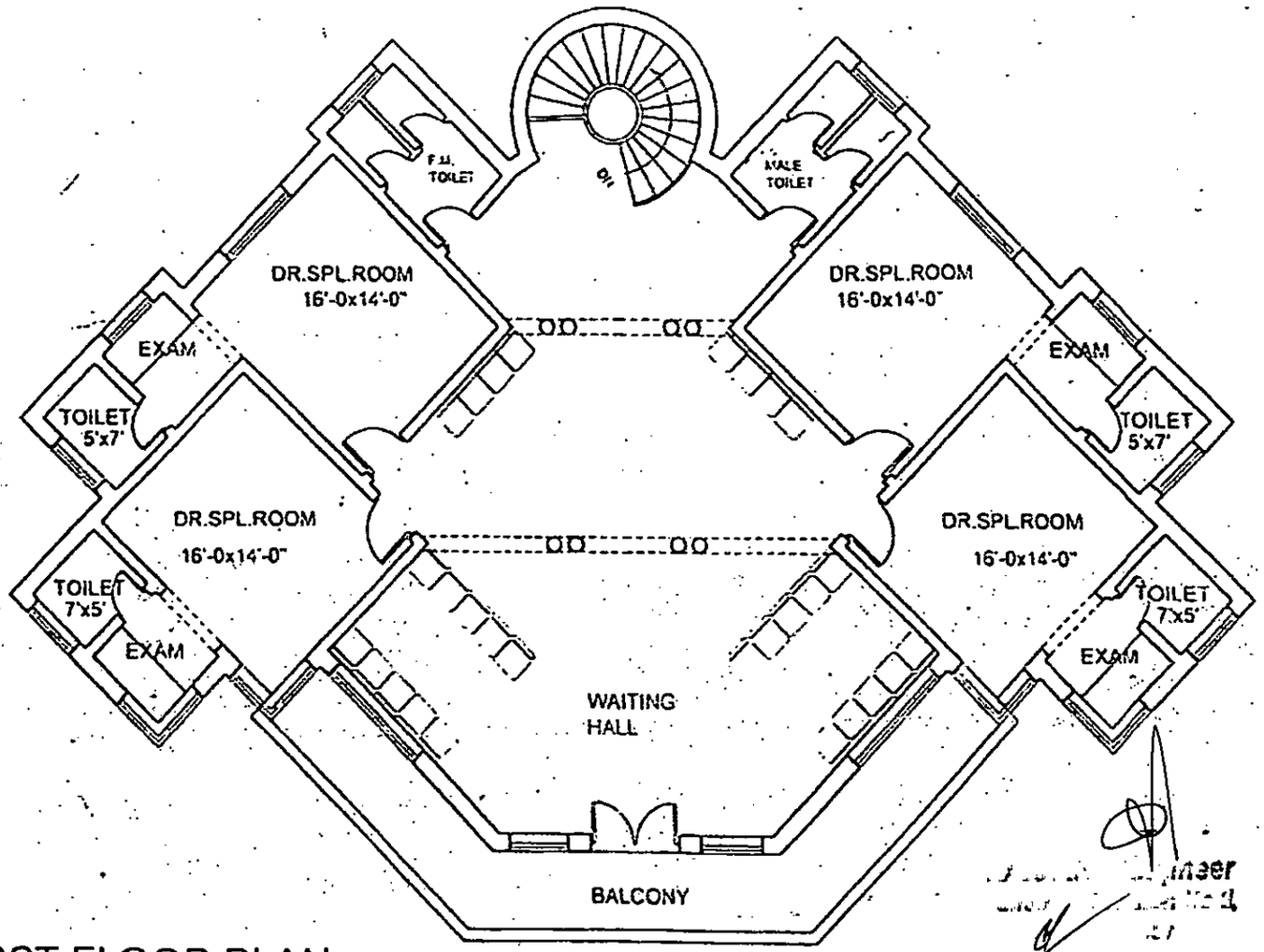
DIRECTOR ARCHITECTURE: MAHMOOD AHMAD SHEHRAZ

GOVERNMENT OF THE PUNJAB

ARCHITECTURE DEPARTMENT

SUB DIVISIONAL OFFICER, Buildings Sub Division Hasilpur

Sub Divisonal Officer Buildings Sub Division Hasilpur




# FIRST FLOOR PLAN

**COVERED AREA = 3100 Sft**

SUB DIVISIONAL OFFICER,
Buildings Sub Division,
Hasilpur

Sub Divisonal Officer
Buildings Sub Division
Hasilpur.

NOTE

N

PROJECT: CONSTRUCTION OF 12-NOS SPECIALIST DOCTORS BLOCK IN TEHSIL HEAD QUARTER HOSPITAL AT HASIL PUR DISTRICT BAHAWALPUR.

TITLE: SKETCH PLAN (REVISED) (FOR APPROVAL ONLY)

| | | |
|---|---|---|
| | | |

DRAWN BY: MUHAMMAD ZARRAR KHAN

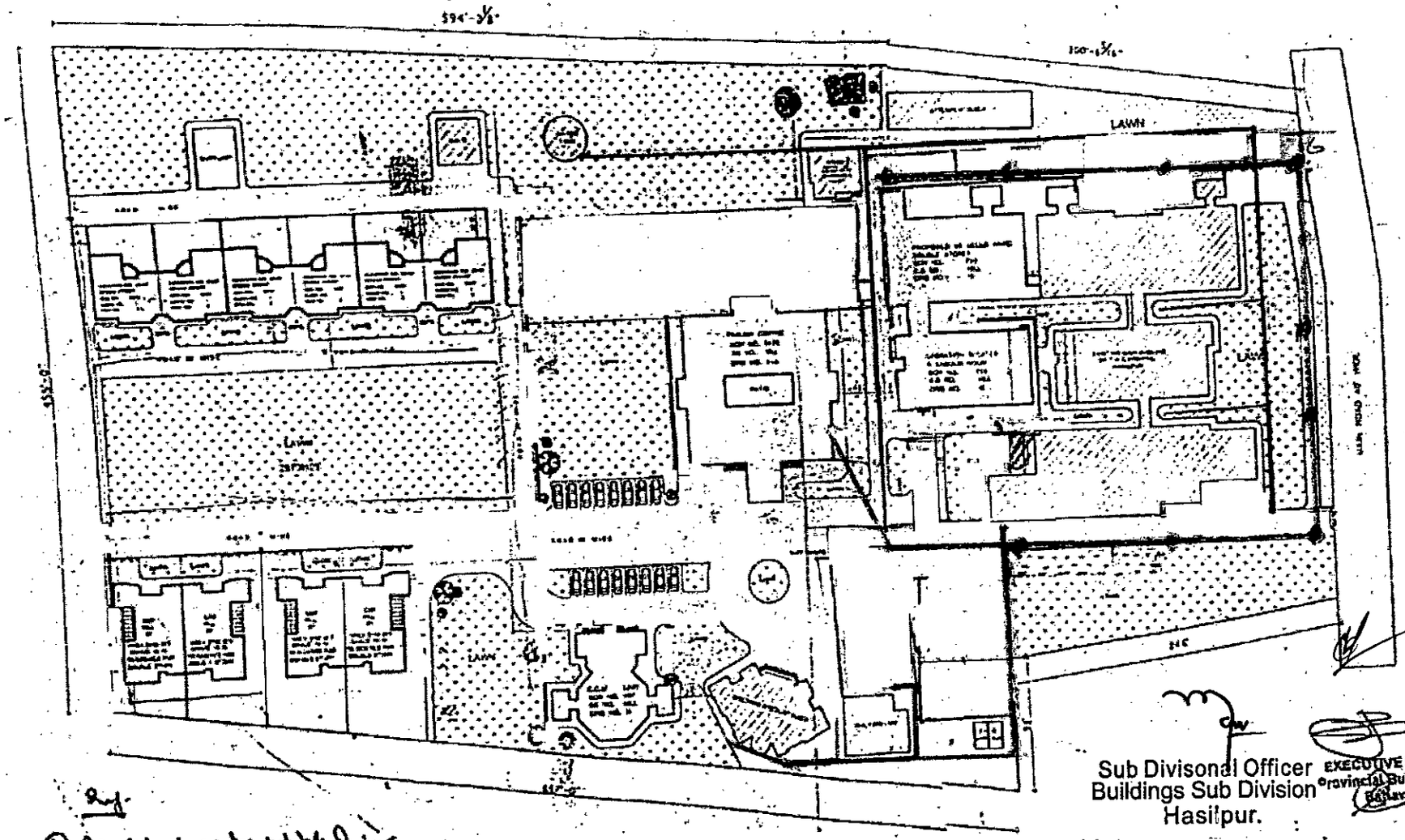
ASSISTANT DIRECTOR ARCHITECTURE: MUHAMMAD WAQEEH SHAHID

DIRECTOR ARCHITECTURE: MAHMOOD AHMAD SHEMAZ

GOVERNMENT OF THE PUNJAB
ARCHITECTURE DEPARTMENT

167

Vide HIS Letter No. F4(1)-
Dated- 14-7-2014




LEGEND

VETTED BY
THE CHIEF ARCHITECT
PUNJAB VIDE HIS LETTER
NO. CA/DA-I/DA-II/1279.
DATED 09-07-2014.

SUB DIVISIONAL OFFICER
Bldgs. Cantt Sub Division
Bahawalpur

N

UP-GRADATION OF
T.H.Q HOSPITAL AT HASILPUR,
DISTT: BAHAWALPUR.

RE-REVISED LAYOUT PLANS

ARCHITECTURE DEPARTMENT

Sub Divisonal Officer
Buildings Sub Division
Hasilpur.

EXECUTIVE ENGINEER
Provincial Buildings Divn
Bahawalpur

EMERGED ON 03-01-2014 REQUEST OF EXECUTIVE ENGINEER
PROVINCIAL BUILDINGS DIVISION BAHAWALPUR
VIDE HIS LETTER NO. 5457/CONSTT: DATED 02-01-2014

Ref-

① Provision of water supply line
② Provision of street light.
③ Replacement of sewerage system

CHECKED BY
ZERMINA FAROOQI

REVIEWED BY
SAADIA RIAZ RASHID

VETTED BY
ZAHID JAVAID RAJA
10-07-2014

ZIBAR

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 34 | Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdiscas approved and directed by the Engineer Incharge. | Sft | | | | | P. Sft | | | 304 Rft | | | | | P.Rft | 25.90 | 7874.00 | 7874.00 | - | |
| 35 | Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bev el l i ngofinternal edgeasapprovedand directed by the Engineer Inchargege | job | | | | | Each | | | 20 Job | | | | | Each | 711.60 | 14232.00 | 14232.00 | - | |
| 36 | Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.A)60-mm thick | 36262 Sft | | | | | P. Sft | 113.35 | 4110298.00 | Sft | | | | | % Sft | | | - | 4110298.00 | |
| | SURFACE RENDARING | | | | | | | | | | | | | | | | | | | |
| 37 | Cement plaster 1:4 upto 20' height<br>b) ½ " thick | 16486 Sft | | | | | % Sft | 2389.90 | 393999.00 | 9764 Sft | | | | | % Sft | 3285.45 | 320791.00 | - | 73208.00 | |
| 38 | Cement plaster 3/8" (10 mm) thick under soffit of R.C.C roof slabs only, upto 20"height.<br>b) 1:3 | Sft | | | | | % Sft | | | 689 Sft | | | | | % Sft | 3762.55 | 25924.00 | 25924.00 | - | |
| 39 | Distempering 3- coats on new surface. | Sft | | | | | % Sft | | | 763 Sft | | | | | % Sft | 1309.95 | 9995.00 | 9995.00 | - | |
| | Distempering 2- coats on old surface. After sacraping | 566 Sft | | | | | % Sft | 1041.80 | 5897.00 | 849 Sft | | | | | % Sft | 1480.75 | 12572.00 | 6675.00 | - | |
| | WOOD WORK | | | | | | | | | | | | | | | | | | | |
| 40 | Providing and fixing heavy duty 3mm thick SS Plate,die-cast metal auotomatic hydraulic operated door stopper ( Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware,cutting of floor and making it good complete in all respect as approved and directed by the Engi neer Incharge | Nos | | | | | Each | | | 16 Nos | | | | | Each | 5579.00 | 89264.00 | 89264.00 | - | |
| 41 | Provi di ng and fixing 2" wide MS/Gl Chowkat singel/double rebate made of 16SWG MSsheet pr essed/w el ded / supported withM .S.f l at 1-1/4" x1/8" i/c 6" long M .S. Fl at 1" x1/8" hold f asts (6-Nos) w el ded/ scr ew ed, punchi ng of lock holecov er ed with MSBox, coati ngwith anti rust pai nt i ncludi ng filling withcement sand mor tar(1:8) and embeddingholdf ast incementconcrete(1:2:4),compl eteinal lr espectas approved and di rected by Engi neer Incharge.<br>10.50 " wide | Nos | | | | | Each | | | 491 Sft | | | | | % Sft | 626.40 | 307562.00 | 307562.00 | - | |
| 42 | Provi di ng and fixing almirah shutter compri si ng of 3/4"thi ck bothsi de L ami nated/Gl ossy MDF( K ar achi ) sheetwith1" x3/4" deodarwoodgolla al laroundthel eaf f i x edon(3" x1" )K ai lwoodf r ame i/cthecostof1/2" full br ass hi nges, C.P.handles, catchers, scr ews, and r awal plugs, poli shi ng/ pai nt i ng 3coat to gola&f r ame i/c the cost of locki ng arrangementcompl eteinal lr espectasapprovedanddi r ectedbyEngi neer Incharge. | | | | | | | | | 63 Sft | | | | | P. Sft | 433.80 | 27329.00 | 27329.00 | - | |
| 43 | Provi di ng and fi xi ng 1½" (40 mm) thi ck deodar wood panelled or panelled and glazed, doors and windows, wi th mild steel chowkat ( frame) , etc. compl ete.i n al l r espects (excludi ng sli di ng bolt or lock) | | | | | | | | | Sft | | | | | P. Sft | | | - | | |
| | with out Chowkat | | | | | | | | | 43 Sft | | | | | P. Sft | 1507.80 | 64835.00 | 64835.00 | - | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| | wi th: Chowkat ofM.S. angle i ron 1½" x1½" x¼" , welded (40 mmx 40 mmx 6mm) wi th M.S. f l at 2" x¼" (50 mm x 6 mm) | | | | | | | | | 81 Sft | | | | | P. Sft | 1913.00 | 154953.00 | 154953.00 | - | |
| 44 | P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mmthi ck commerci alplyov er1"thi ck pack i ng woodin styl eand rails under proper pressur ei/c thecostofnai l s,tow er bolt, handles, glue,sawi ngcharges, Pai nti ng charges,sandpaperingand 3/8" thi ck matchi ng wooden lipping asapproved anddi r ectedbythe Engi neer Incharge | | | | | | | | | 21 Sft | | | | | P. Sft | 506.80 | 10643.00 | 10643.00 | - | |
| 45 | P/F 3/4"dia heavy duty sliding bolt of speci f i ed mater i ali/c the cost of hardware complete in all respect as approved and directed by the Engi neer Incharge | | | | | | | | | | | | | | | | | | | |
| | Brass 18" (450 mm) long | | | | | | | | | 2 Nos | | | | | Each | 1229.50 | 2459.00 | 2459.00 | - | |
| | Iron 12" (450 mm) long | | | | | | | | | 4 Nos | | | | | Each | 473.50 | 1894.00 | 1894.00 | - | |
| 46 | Provi di ng and fi xi ng G.I. wi re gauze 24 SWG, 12x12 meshes per squar e i nch, ( 5x 5 meshes i n cm2)) f i x ed steel window, complete with flat iron patti ½" x 1/8" mmx3 mm) and machi ne made screws. | | | | | | | | | 3099 Sft | | | | | P.Sft | 168.30 | 521562.00 | 521562.00 | - | |
| | **PAINTING AND VARNISHING** | | | | | | | | | | | | | | | | | | | |
| 47 | Preparing surface and painting with emulsion paint 3-Coats | Sft | | | | | % Sft | | | 322 Sft | | | | | % Sft | 2962.10 | 9538.00 | 9538.00 | - | |
| 48 | Preparing surface and painting with emulsion paint 2-Coats after sacraping | 44064 Sft | | | | | % Sft | 2164.15 | 953611.00 | 83032 Sft | | | | | % Sft | 2829.95 | 2349764.00 | 1396153.00 | - | |
| 49 | Painting New surface Painting doors and windows, any typ 3-coat | Sft | | | | | % Sft | | | 372 Sft | | | | | % Sft | 2770.70 | 10307.00 | 10307.00 | - | |
| 50 | Painting old surface Painting doors and windows, any typ 2-coat after removing old paint | 3586 Sft | | | | | % Sft | 1482.10 | 53148.00 | 3840 Sft | | | | | % Sft | 2028.60 | 77898.00 | 24750.00 | - | |
| 51 | Painting old surface Painting sashes, fanlights, glazed or gauzed doors and windows: 2-Coats | 9922 Sft | | | | | % Sft | 1349.20 | 133868.00 | 9922 Sft | | | | | % Sft | 3069.30 | 304536.00 | 170668.00 | - | |
| 52 | Painting new surface:-Preparing surface and painting guard bars, gates of iron bars, gratings, railing ncluding standards, braces, etc.) and in similar open work:- | Sft | | | | | % Sft | | | 797 Sft | | | | | % Sft | 1835.85 | 14632.00 | 14632.00 | - | |
| 53 | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) old surface | 23469 Sft | | | | | % Sft | 1063.70 | 249640.00 | Sft | | | | | % Sft | 1943.50 | | - | 249640.00 | |
| | a) Newsurface 2-coats | Sft | | | | | % Sft | | | 4875 Sft | | | | | % Sft | 5292.95 | 258031.00 | 258031.00 | - | |
| | b) old surface 2-coats after sacraping | Sft | | | | | % Sft | | | 23469 Sft | | | | | % Sft | 4651.30 | 1091614.00 | 1091614.00 | - | |
| | **PLUMBING, SANITARY INSTALLATION & GAS FITTINGS** | | | | | | | | | | | | | | | | | | | |
| 54 | Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i/c P-Trap 4" Dia | | | | | | | | | | | | | | | | | | | |
| | ii) Coloured | 13 No. | | | | | Each | 1753.95 | 22801.00 | 14 No. | | | | | Each | 2523.85 | 35334.00 | 12533.00 | - | |
| 55 | Providing and fitting glazed earthen ware wash hand basin 22"x16" i.e. bracket set waste pipe and waste coupling etc. | | | | | | | | | | | | | | | | 18000.00 | | 32822.00 | |
| | ii) Coloured with pedestal | 17 No. | | | | | Each | 2989.50 | 50822.00 | No. | | | | | Each | | | | | |
| | Under Counter Vani ty Basi n | No. | | | | | Each | | | 20 No. | | | | | Each | 7347.45 | 146949.00 | 146949.00 | - | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 56 | Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured | 13 No. | | | | | Each | 1598.85 | 20785.00 | 14 No. | | | | | Each | 2666.30 | 37328.00 | 16543.00 | - | |
| 57 | Providing and fixing chromium plated bib cock 1.5 cm (½").<br>i (1/2") | 5 No. | | | | | Each | 350.00 | 1750.00 | 6 No. | | | | | Each | 777.20 | 4663.00 | 2913.00 | - | |
| 58 | Providing and fixing chromium plated tee stop cock 15mm (½").<br>i (1/2") | 10 No. | | | | | Each | 470.00 | 4700.00 | 10 No. | | | | | Each | 957.20 | 9572.00 | 4872.00 | - | |
| 59 | Providing and fixing glazed earthen ware sink, including bracket set, waste pipe and waste coupling<br>60x45 cm (24"x18") | 4 No. | | | | | Each | 1968.95 | 7876.00 | 4 No. | | | | | Each | 3196.15 | 12785.00 | 4909.00 | - | |
| 60 | Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12") | 20 No. | | | | | Each | 774.25 | 15485.00 | 21 No. | | | | | Each | 1104.85 | 23202.00 | 7717.00 | - | |
| 61 | Provi di ng and fi xi ng, brass gas cock<br>ii) 20 mm (¾" ) di a | 2 No. | | | | | Each | 234.90 | 470.00 | No. | | | | | Each | | | - | 470.00 | |
| 62 | Providing and fitting Europeon Coupled set of Water Closet(WC) and flushing Cistern of PORTAbr and(full si ze) i/c the cost of CP/rubber connection,thimble, seat coverand rawalbolts complete in allr espectsas approved and directed by the Engineer Incharge | No. | | | | | Each | | | 4 No. | | | | | Each | 20022.90 | 80092.00 | 80092.00 | - | |
| 63 | Provi di ngand fixing CP bathRoomSetmadeof Sonex/M aster /Fai sal compri si ngof 3-NoTeestopcocks,l ever typeBasi nM i x er ,doubl eBib Cock,openwal lshower, Muslimshower ,wastecoupl i ngandbottletr ap etc. completein al l r espect asapprovedand di r ectedbythe Engi neer i ncharge. | No. | | | | | Each | | | 17 No. | | | | | Each | 33053.00 | 561901.00 | 561901.00 | - | |
| | (v) Musl i m shower | No. | | | | | Each | | | 4 No. | | | | | Each | 2219.00 | 8876.00 | 8876.00 | - | |
| 64 | Providing and fixing BATHROOM ACCESSORIES (7-pi ece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i /c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. | No. | | | | | Each | | | 17 No. | | | | | Each | 7600.00 | 129200.00 | 129200.00 | - | |
| 65 | Providing, fixing, testing and commissioning of µ- PVC (Unplasticized polyvinyl Chloride) Nikasi/waste pipe make of dadex /Popular/Beta/BBJ plain /sock et ended conformi ng to code EN-1401of specified SDR ( Standar d Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engi neer Incharge Type (SDR 32.5/SN-8)<br>i)4" (110 mm) | Rft | | | | | P.Rft | | | 270 Rft | | | | | P.Rft | 260.70 | 70389.00 | 70389.00 | - | |
| | ii)3" (85 mm ) | Rft | | | | | P.Rft | | | 200 Rft | | | | | P.Rft | 163.85 | 32770.00 | 32770.00 | - | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | | B.P | P.H.P | E.I | S.G | | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | | 7 | 8 | 9 | 3 | | | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 66 | Providing,fixing, testing and commissioning of µ- PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conformi ng to code EN-140 1ncluding the cost of Sol vents completein all respect as approved and directed by the Engineer Incharge | | | | | | | | | | | | | | | | | | | | | |
| | ( c' ) Vent Cowel 3" dia | | No. | | | | | Each | | | 20 | No. | | | | | | Each | 223.80 | 4476.00 | 4476.00 | - | |
| 67 | Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER( PPRC) water supply pipe made of ( Dadex /Popular/ Beta/ BBJ)withspecified pressure rating PN ( PRESSURE NOMINAL)and conforming to DIN8077-8078 code i/c costofsol vent, special s,mak i ngjharriescompl etein all respect as approved and directed by Engineer Incharge.(Internal)/External Diameters mentioned | | | | | | | | | | | | | | | | | | | | | |
| | i)25 MM Dia | | Rft | | | | | P.Rft | | | 800 | Rft | | | | | | P.Rft | 66.60 | 53280.00 | 53280.00 | - | |
| | ii)32 MM Dia | | Rft | | | | | P.Rft | | | 400 | Rft | | | | | | P.Rft | 107.05 | 42820.00 | 42820.00 | - | |
| | iii)40 MM Dia | | Rft | | | | | P.Rft | | | 200 | Rft | | | | | | P.Rft | 161.45 | 32290.00 | 32290.00 | - | |
| 68 | Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal /Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. | | | | | | | | | | | | | | | | | | | | | |
| | 3/4" dia | | No. | | | | | Each | | | 13 | No. | | | | | | Each | 1447.20 | 18814.00 | 18814.00 | - | |
| | **SEWERAGE** | | | | | | | | | | | | | | | | | | | | | |
| 69 | Providing and laying R. C. C. pipe, moulded with cement concrete 1: 1½: 3, with spigot socket or collar joint, etc including cost of reinforcement, conforming to B. S. 5911 Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete | | | | | | | | | | | | | | | | | | | | | |
| | ii) 9" dia. | | Rft | | | | | P Rft | 430.20 | | 345 | Rft | | | | | | P Rft | 529.90 | 182816.00 | 182816.00 | - | |
| 70 | Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish | | Sft | | | | | % Sft | 2120.90 | | 50 | Sft | | | | | | % Sft | 2976.75 | 1488.00 | 1488.00 | - | |
| 71 | Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3" x3" x¼" (75x75x6mm) angle iron frame, 22" set set (550 mm) i /d as per standard drawi ng STD/PD No. 7 of 1977, complete in all respects | | No. | | | | | Each | 9154.45 | | 5 | No. | | | | | | Each | 11568.35 | 57842.00 | 57842.00 | - | |
| | **Tubwel, Water Supply** | | | | | | | | | | | | | | | | | | | | | |
| 72 | Boring for tubewell in all types of soil except shingle and rock i.e. sinking and withdrawing of casing pipe complete. | | | | | | | | | | | No. | | | | | | Each | | | - | 21290.00 | |
| | b) 4" dia a) from ground level to 100 ft depth | 200 | Rft | | | | | P Rft | 106.45 | 21290.00 | | | | | | | | | | | | | |
| 73 | Providing and installing PVC bail/end plug in tube well bore hole BSS class "D" 2" dia. | 2 | No | | | | | Each | 70.35 | | | | | | | | | | | | | | |
| | Providing and installing P.V.C. strainer B.S.S. Class 'D' ,in tubewell bore hole, | 30 | No | | | | | Each | 98.55 | 2957.00 | | No. | | | | | | Each | | | - | 2957.00 | |
| 74 | Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. | | | | | | | | | | | No. | | | | | | Each | | | | | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | | | |
| | | | B.P | P.H.P | E.I | S.G | | | | | | B.P | P.H.P | E.I | S.G | | | | Excess | Savings | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| | a)1" | 80 Rft | | | | | P Rft | 40.05 | 3204.00 | | No. | | | | | Each | | | - | 3204.00 | |
| | b) 1¼" i/d (30 mm) | 160 No. | | | | | P Rft | 95.30 | 15248.00 | | | | | | | | | | - | 15248.00 | |
| | c) 2" | 90 Rft | | | | | P Rft | 168.30 | 15147.00 | | No. | | | | | Each | | | - | 15147.00 | |
| | d) 4" i/d (100 mm) | 60 Hrs | | | | | P Rft | 352.30 | 21138.00 | | | | | | | | | | - | 21138.00 | |
| 75 | Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'B' Class working pressure complete | | | | | | | | | | No. | | | | | Each | | | - | 328784.00 | |
| | a) 3" i/d (100 mm) | 1572 Rft | | | | | P Rft | 209.15 | 328784.00 | | | | | | | | | | | | |
| 76 | Providing and fixing cast iron specials of BSS Class B such as Tees, Bends, Cross , Collar, Reducer and Tail Piece etc. (For Distribution System) C.I. flanged specials, with flanged and flanged joints:- | | | | | | | | | | No. | | | | | Each | | | - | 13863.00 | |
| | 3" to 6" (75 to 150 mm) i/d | 125 Rft | | | | | P Rft | 110.90 | 13863.00 | | | | | | | | | | | | |
| 77 | Providing and fitting C.I. flanges on pipes, including turning, threading, facing and fitting, etc. complete in all respects:- | | | | | | | | | | No. | | | | | Each | | | - | 14156.00 | |
| | 3" to 6" (75 to 150 mm) i/d | 107 Rft | | | | | P Rft | 132.30 | 14156.00 | | | | | | | | | | | | |
| 78 | Providing and installing P.V.C. tapered core of B.S.S. Class 'B' working pressure:- | | | | | | | | | | No. | | | | | Each | | | - | 1679.00 | |
| | 3" to 6" (75 to 150 mm) i/d | 10 Rft | | | | | P Rft | 167.85 | 1679.00 | | | | | | | | | | | | |
| 79 | Making connection for new watersupply lines with the The rate ncludes the component of running main, including excavation of trench and refilling, bailing out water from the trench complete, but excluding cost of pipe and specials, etc Diameter of running main: | | | | | | | | | | | | | | | | | | | | |
| | a) upto 6" i/d (150 mm) | 20 No. | | | | | Each | 2310.00 | 46200.00 | 20 | No. | | | | | Each | 2976.60 | 59532.00 | 13332.00 | - | |
| 80 | Providing and installing P.V.C. bends, of B.S.S. i) Class 'B' working pressure:-) | | | | | | | | | | No. | | | | | Each | | | - | 2043.00 | |
| | a) 3" i/d | 5 No. | | | | | Each | 408.65 | 2043.00 | | | | | | | | | | | | |
| 81 | Providing and installing P.V.C. Tee, of B.S.S. i) Class 'B' working pressure:-) | | | | | | | | | | No. | | | | | Each | | | - | 5730.00 | |
| | a) 3" i/d {1 | 5 No. | | | | | Each | 1145.90 | 5730.00 | | | | | | | | | | | | |
| 82 | Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):- | | | | | | | | | | | | | | | | | | | | |
| | a) 3" i/d | 3 No. | | | | | Each | 8366.40 | 25099.00 | 3 | No. | | | | | Each | 16750.30 | 50251.00 | 25152.00 | - | |
| | a) 4" i/d | 4 No. | | | | | Each | 9565.20 | 38261.00 | 4 | No. | | | | | Each | 18404.75 | 73619.00 | 35358.00 | - | |
| 83 | Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with flanged joints, using G.I.pipes of B.S.S. 1387-1967 complete in all respects, with special s and valves. ii) Medium Quality | | | | | | | | | | | | | | | | | | | | |
| | ii) Medium Quality | | | | | | | | | | | | | | | | | | | | |
| | (b) 4" i/d | 200 Rft | | | | | P Rft | 1216.50 | 243300.00 | 200 | Rft | | | | | P Rft | 1945.00 | 389000.00 | 145700.00 | - | |
| 84 | Providing, laying, cutting, jointing,testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/Dadex/ Popular /IIL or equivalent,in trenches, as approved & directed by the engineer | | | | | | | | | | | | | | | | | | | | |

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| | | Quantity | | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | | B.P | P.H.P | E.I | S.G | | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | | 7 | 8 | 9 | 3 | | | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| | PN-20 (SDR-9) | | | | | | | | | | | | | | | | | | | | | | |
| | 90mm | | Rft | | | | | P Rft | | | 1572 | Rft | | | | | | P Rft | 418.85 | 658432.00 | 658432.00 | - | |
| | ELECTRIC INSTALLATION | | | | | | | | | | | | | | | | | | | | | | |
| 85 | Supply and erection of PVC pipe for wiring on surfaceincluding clamps inspection boxes, pull boxes, bends, tees,r epai r i ng sur f ace, etc., compl ete wi th al l speci al s: | | | | | | | | | | | | | | | | | | | | | | |
| | 1" | | Rft | | | | | P.Rft | | | 1110 | Rft | | | | | | P.Rft | 96.85 | 107504.00 | 107504.00 | - | |
| 86 | Supply and erection of single core PVC insulated, copper onductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):- | | | | | | | | | | | | | | | | | | | | | 43350.00 | |
| | i) 3/0.029" | 3000 | Rft | | | | | P.Rft | 14.45 | 43350.00 | | Rft | | | | | | P.Rft | | | | 29973.00 | |
| | ii) 7/0.036" | 2650 | Rft | | | | | P.Rft | 26.05 | 69033.00 | 720 | Rft | | | | | | P.Rft | 54.25 | 39060.00 | | - | |
| | iii) 7/0.044" | 3000 | Rft | | | | | P.Rft | 35.75 | 107250.00 | 1820 | Rft | | | | | | P.Rft | 75.60 | 137592.00 | 30342.00 | - | |
| | iii) 7/0.064" | 3000 | Rft | | | | | P.Rft | 80.00 | 240000.00 | | Rft | | | | | | P.Rft | | | - | 240000.00 | |
| 87 | Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4" ) deep, with 4.75 mm thick (3/16" ) bakelite sheet top, for to recessed wiring, including making holes for regulators, swi tches, pl ugs, etc | | | | | | | | | | | | | | | | | | | | | | |
| | 7"x4" | | No. | | | | | Each | | | 10 | No. | | | | | | Each | 380.50 | 3805.00 | 3805.00 | - | |
| 88 | Supply and erection of 3 pin switch and plug combined recessed type. | | | | | | | | | | | | | | | | | | | | | | |
| | ii) 10/15 Amp. | 20 | No. | | | | | Each | 108.05 | 2161.00 | | No. | | | | | | Each | | | - | 2161.00 | |
| 89 | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | | | | | | | | | | | | | | | | | | | |
| | 6" deep | | | | | | | | | | 7 | Cft | | | | | | P.Cft | 18691.40 | 130840.00 | 130840.00 | - | |
| | 63A (18"x24"x6") | | | | | | | | | | 9 | Cft | | | | | | P.Cft | 13809.80 | 124288.00 | 124288.00 | - | |
| | 100A (30"x22"x6") | | | | | | | | | | | | | | | | | | | | | | |
| 90 | P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colcur i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | | | | | | | | | | | | | | | | | | | |
| | LT Switchboards | | | | | | | | | | 36 | Cft | | | | | | P.Cft | 4512.80 | 162461.00 | 162461.00 | - | |
| | 200A (3'x3'x12") | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 91 | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge, | | | | | | | | | | | | | | | | | | | |
| | Tripple Pole 200A(36 KA) | | | | | | | | | 2 | No. | | | | | Each | 39814.30 | 79629.00 | 79629.00 | |
| | Tripple Pole 15-100A(36 KA) | | | | | | | | | 30 | No. | | | | | Each | 17434.30 | 523029.00 | 523029.00 | |
| | Tripple Pole 150A(36 KA) | | | | | | | | | 6 | No. | | | | | Each | 18094.30 | 108566.00 | 108566.00 | |
| 92 | P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally). | | | | | | | | | | | | | | | | | | | |
| | 1:00 Ft deep for 100Kva | | | | | | | | | 1 | No. | | | | | Each | 801447.70 | 801448.00 | 801448.00 | |
| 93 | Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | | | | | | | | | | | | | | | | |
| | Tripple Pole 63A(10 KA) | | | | | | | | | 4 | No. | | | | | Each | 8434.30 | 33737.00 | 33737.00 | |
| | Single Pole 32A(10 KA) | | | | | | | | | 30 | No. | | | | | Each | 1299.95 | 38999.00 | 38999.00 | |
| | Single Pole 16A(10 KA) | | | | | | | | | 62 | No. | | | | | Each | 1299.95 | 80597.00 | 80597.00 | |
| | Single Pole 20A(10 KA) | | | | | | | | | 16 | No. | | | | | Each | 1299.95 | 20799.00 | 20799.00 | |
| | Single Pole 10A(10 KA) | | | | | | | | | 14 | No. | | | | | Each | 1299.95 | 18199.00 | 18199.00 | |
| | Single Pole 63A(10 KA) | | | | | | | | | 1 | No. | | | | | Each | 1299.95 | 1300.00 | 1300.00 | |
| 94 | Earthing of iron clad/aluminum switches, etc. with G.I. wire No.8 SWG in G.I. pipe 15 mm (½" ) dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2" ) dia with reducing socket 4 to 5 metre below ground level,and 2 metre away from building plinth | | | | | | | | | 14 | job | | | | | Each | 9635.15 | 134892.00 | 134892.00 | |
| 95 | Supply and erection of copper conductor cables for service ditto connecti on, i n pr el ai d pi pe/G.I . wi r e/tr enches, etc. ( r ate f or cabl e onl y) | | | | | | | | | | | | | | | | | | | |
| | PVC insulated, PVC sheathed twin core, 250/440 volts. | | | | | | | | | | | | | | | | | | | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| | 7/1.12 mm (7/0.044" ) | | | | | | | | | 300 No. | | | | | Each | 160.75 | 48225.00 | 48225.00 | - | |
| | PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable:- | | | | | | | | | | | | | | | | | | | |
| | 95 mm sq (37/0.072" ) | | | | | | | | | 200 No. | | | | | Each | 3676.95 | 735390.00 | 735390.00 | - | |
| | 70 mm sq (19/0.083" ) | | | | | | | | | 430 No. | | | | | Each | 2656.70 | 1142381.00 | 1142381.00 | - | |
| | 50 mm sq (19/0.072" ) | | | | | | | | | 430 No. | | | | | Each | 1859.25 | 799478.00 | 799478.00 | - | |
| 96 | Supplying, i nstal l ati on testing and commissioning of Octagonal shapeel ectr i c street li ght pol e, madeof hotdipped 4.5mmthi ck (7SWG)gal v ani zed steel ,tapper ed from 225mm at bottom to 100mm at top,with1500mmx60mmx 4mm thi ck di a. ar m for luminaire i nstal l ati on, duly G.I .wel ded with 470x470x20 mmbase pl ate withthe hel p of 4 no tr i angul ar sti f f ener s 100x350x20mmofGIsheet,withbuiltin j unction boxwithshutter,i/c the costofnuts&J- r agbol ts,duly f i x ed in pr el .ai d concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. Single Arm 10 mtr height | | | | | | | | | 10 No. | | | | | Each | 106345.75 | 1063458.00 | 1063458.00 | - | |
| 97 | Supplying, installation and commissioning of LED Cobra- head Luminaries of specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram /Thorn or equivalent with corrosi on resistant diecasted Aluminum housing, silicon gasket in special groove, UV stable&scratch resistant synthetic materials, ther mally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osrammake or equivalent) , programmable LED driver (Harvard/TCI/Lumotech/ Philips/ VOSSLOH Schwabe/Lightechmak eorequi v al ent) ,minimum 10kV surgeprotection rating i/c the cost of allaccessor i es/components r equi r ed for properoper ati on,fully flexible for future upgradation and easy replcements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.<br>90 Watt with 12600 Lumens | | | | | | | | | 10 No. | | | | | Each | 51768.15 | 517682.00 | 517682.00 | - | |
| | **IRON WORK** | | | | | | | | | | | | | | | | | | | |
| 98 | Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. | 1999 Sft | | | | | P Sft | 507.05 | 1013593.00 | 2011 Sft | | | | | P Sft | 1353.75 | 2722391.00 | 1708798.00 | - | |
| 99 | 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 size1- 1/2"x1/2" and1.6mmthick withrubber gasket i/ccost of Hardwares as approved and directed by the engineer incharge. complete in all respect. | 1000 Sft | | | | | P Sft | 332.15 | 332150.00 | 1006 Sft | | | | | P Sft | 494.50 | 497467.00 | 165317.00 | - | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 100 | Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, usi ng delux secti on of M/s Al-Cop or Paki stan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4" ) and leaf frame of 60x40mm (2½" x1½" ) wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engi neer i n- char ge. (2mm thick) | 336 Sft | | | | | P Sft | 632.20 | 212419.00 | 569 Sft | | | | | P Sft | 1481.20 | 842803.00 | 630384.00 | - | |
| 101 | Providing and fixing M.S. grill fabricated with MS Square polished Vertical/ horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4" x1/8" i/c the cost of 1-1/4" x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars | Sft | | | | | P Sft | | | 1999 Sft | | | | | P Sft | 863.90 | 1726936.00 | 1726936.00 | - | |
| 102 | Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge | Rft | | | | | P.Rft | | | 20 Rft | | | | | P.Rft | 2368.45 | 47369.00 | 47369.00 | - | |
| 103 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, revitting, handling,assembling and fixing, i/c erection in position | Kgs | | | | | %Kgs | | | 4362 Kgs | | | | | %Kgs | 33890.45 | 1478301.00 | 1478301.00 | - | |
| | **TOTAL "B"** | | | | | | | | 10394558 | | | | | | **Total:B** | | **38050992** | **33861660** | **6205226** | |
| | **Schedule "B" Non Standerdized Items** | | | | | | | | | | | | | | | | | | | |
| 1 | Providing and laying of Porceline full body tiles 600-mmx600-mm (DWV Series) or Equivalent SB Flooring (Diagnal shape / design) of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge | 19978 Sft | | | | | P. Sft | 281.00 | 5613818.00 | Sft | | | | | P. Sft | | | - | 5613818.00 | |
| 2 | Providing and laying of Porceline full body tiles 300-mmx600-mm (DWV Series) or Equivalent SB Dado/Skirting (Diagnal shape / design) of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge | 17502 Sft | | | | | P. Sft | 281.00 | 4918062.00 | Sft | | | | | P. Sft | | | - | 4918062.00 | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 3 | Providing and laying of Ceramic tile size 12"X18"/10"x24" 8"x24" 12"X18" SP Series - Plain matching Dark Colors (Glossy / Matt) SP PLN - SB ClassSB as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge. | 1351 Sft | | | | | P. Sft | 196.00 | 264796.00 | Sft | | | | | P. Sft | | | - | 264796.00 | |
| 4 | Providing and laying Ceramic tile size 12"X18"/10"x24" 8"x24" 12"X18" SP Series - Plain matching Dark Colors (Glossy / Matt) SP PLN - SBClassSB skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge | 4497 Sft | | | | | P. Sft | 196.00 | 881412.00 | Sft | | | | | P. Sft | | | - | 881412.00 | |
| 5 | Providing and laying of anti static sheet tile flooring as per aproved design & approved color and shede laid over 3/4" thick cement plaster 1:2 i/c cement, pigment and sealer finishing the joints i/c cutting grinding where necessary completed in all respect and as approved by the Engineer incharge. | 3036 Sft | | | | | P. Sft | 550.00 | 1669800.00 | Sft | | | | | P. Sft | | | - | 1669800.00 | |
| 6 | P/F wall panneling at site pvc made 9"x 10' or 10"x 9.5' (7mm thick) size best quality in coloured approved by the engineer incharge complete in all respact. | 5843 Sft | | | | | P. Sft | 110.00 | 642730.00 | Sft | | | | | P. Sft | | | - | 642730.00 | |
| 7 | Providing and laying Marble China Verona crystal for skirting of size 24"x 6" & 1/2" laid in white cement pigment over over 3/4" thick bedding of cement sand mortor 1:2 i/c cutting, grinding and chemical polishing complete in all respects as approved by the Engineer Incharge. | 49 Sft | | | | | P. Sft | 210.00 | 10290.00 | Sft | | | | | P. Sft | | | - | 10290.00 | |
| 8 | Providing and laying Prepolished Marble slab China Verona having uniform texture for vanities / shelves / Treads 3/4" thick full width i/c making hole & bevelling of approved quality and shade laid in white cement and bagri laid over 3/4" thick cement sand mortor 1:2 complete in all respects as approved by the Engineer Incharge. | 116 Sft | | | | | P. Sft | 435.00 | 50460.00 | Sft | | | | | P. Sft | | | - | 50460.00 | |
| 9 | Providing and fixing P.V.C Doors i/c chokawt of approved company/quality as approved by the engineer incharge | 491 Sft | | | | | P. Sft | 600.00 | 294600.00 | Sft | | | | | P. Sft | | | - | 294600.00 | |
| 10 | Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1"x1"M.S. Box for Frame of windows of approved design including painting 3 coat complete in all respect. | 1999 Sft | | | | | P. Sft | 394.00 | 787606.00 | Sft | | | | | P. Sft | | | - | 787606.00 | |
| 11 | Providing and fixing at site of work floor hinges door closer best quality (Japan) complete in all respect as approved by the Engineer Incharge. | 8 No. | | | | | Each | 3300.00 | 26400.00 | No. | | | | | Each | | | - | 26400.00 | |
| 12 | Providing and fixing false ceiling conisting of GYPSUM board sheet size 2*2 (imported) placed on M.S frame 1*1-1/4 T.section Hangings with suspension system steel wire compelted in all respect as approved by engineer inchrage, | 9541 No. | | | | | Each | 100.00 | 954100.00 | No. | | | | | Each | | | - | 954100.00 | |
| 13 | Providing and fitting glazed earthen ware Bathroom coupled set MASTER/MEGNA (full size)with glazed flushing cistern back lite seat cover matching colour complete in all respects as approved by the Engineer incharge | 4 No. | | | | | Each | 18000.00 | 72000.00 | No. | | | | | Each | | | - | 72000.00 | |
| 14 | P/F chromium plated double bib cock model no 092 with hand shower of model no 2015 i/c PVC rubber pipe 1-Metter long of matching colour complete in all respects as approved by the Engineer incharge | 4 No. | | | | | Each | 3000.00 | 12000.00 | No. | | | | | Each | | | - | 12000.00 | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 15 | Providing and fixing 8-pieces Complete Wall Shower Lever Set Sonix/Master/Faisal with wall shower etc complete in all respects as approved by the Engineer incharge. | 16 No. | | | | | Each | 20000.00 | 320000.00 | No. | | | | | Each | | | - | 320000.00 | |
| 16 | Providing and Fixing C.P. Elbow Action for use in Scrub in Operation Theathers best quality complete in all respect as approved by the engineer incharge | 3 No. | | | | | Each | 3500.00 | 10500.00 | 3 No. | | | | | Each | 18500.00 | 55500.00 | 45000.00 | - | |
| 17 | Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all respects as approved by the Engineer incharge. | 16 No. | | | | | Each | 5500.00 | 88000.00 | No. | | | | | Each | | | - | 88000.00 | |
| 18 | Providing and fixing and testing **UPVC** Nikasi pipe type B make dadex complete in all respect as approved by the Engineer incharge. | | | | | | | | | | | | | | | | | - | 46500.00 | |
| | a) 110 mm dia | 250 Rft | | | | | P.Rft | 186.00 | 46500.00 | Rft | | | | | P.Rft | | | - | 27360.00 | |
| | b) 82 mm dia | 180 Rft | | | | | P.Rft | 152.00 | 27360.00 | Rft | | | | | P.Rft | | | | | |
| 19 | Providing and fixing and testing **UPVC** Nikasi fitting Dadex special i/c all cost of labour amd material complete in all respect as approved by the Engineer incharge. | | | | | | | | | | | | | | | | | - | 17350.00 | |
| | **a) Bend/Elbow** i)110 mm | 50 No. | | | | | Each | 347.00 | 17350.00 | No. | | | | | Each | | | - | 7225.00 | |
| | **b) Tee** i)110 X 110 mm | 17 No. | | | | | Each | 425.00 | 7225.00 | No. | | | | | Each | | | | | |
| 20 | Providing and Laying Testing and commissioning polyproplyene random coploymer (PPRC) (Dadex/Beta/BBJ) water supply pipe complete in all respect as approved by the Engineer Incharge. | | | | | | | | | | | | | | | | | - | 36400.00 | |
| | (ii) 25 mm | 700 Rft | | | | | P.Rft | 52.00 | 36400.00 | Rft | | | | | P.Rft | | | - | 28350.00 | |
| | (iii) 32 mm | 350 Rft | | | | | P.Rft | 81.00 | 28350.00 | Rft | | | | | P.Rft | | | - | 23800.00 | |
| | (iii) 40 mm | 200 Rft | | | | | P.Rft | 119.00 | 23800.00 | Rft | | | | | P.Rft | | | | | |
| 21 | Providing and Fixing PPRC fitting (Dadex/Beta/BBJ) specials with fusion/ threading joints complete in all respect as approved by the Engineer Incharge. | | | | | | | | | | | | | | | | | - | 10800.00 | |
| | Elbow Threading 25 x 1/2 mm | 80 Rft | | | | | P.Rft | 135.00 | 10800.00 | Rft | | | | | P.Rft | | | - | 4950.00 | |
| | Tee Threading 25 x 1/2 mm | 30 Rft | | | | | P.Rft | 165.00 | 4950.00 | Rft | | | | | P.Rft | | | - | 100.00 | |
| | Socket Threading 25 x 1/2 mm | 10 Rft | | | | | P.Rft | 10.00 | 100.00 | Rft | | | | | P.Rft | | | - | 144.00 | |
| | Union (Dadex/Beta) 32x25 | 12 Rft | | | | | P.Rft | 12.00 | 144.00 | Rft | | | | | P.Rft | | | - | 11400.00 | |
| | Brass stop valve (Dadex/Beta) 32mm | 12 Rft | | | | | P.Rft | 950.00 | 11400.00 | Rft | | | | | P.Rft | | | - | 34000.00 | |
| 22 | P/F at site of work Goldamatic pump (Golden co. made) G-II 1-1/4" x 1" size with 1 BHP electric motor etc complete (N.S) | 2 No. | | | | | Each | 17000.00 | 34000.00 | No. | | | | | Each | | | - | 60000.00 | |
| 23 | P/F at site of work plastic made water tank (Durra) 500 gallons capacity (vertically) i/c connection water supply lines. Etc. complete. (N.S). | 1000 Gln | | | | | P.Gallon | 60.00 | 60000.00 | No. | | | | | Each | | | | | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 24 | Supply and Erection of Car parking shed (10'x18' size each) consisting of fiber glass sheet roof (3-layer)3mm thick fixed/revited with moulded arches types frame comperising of 1-1/2"x1-1/2" M.S box 16-SWG for all outer horizontal and vertical sides, 5-no horizontal + 3 Nos vertical supports of 1"x1" M.S box 16-SWG in inside of each shed/c fixing/welded frame on M.S sheet 6"x6"x1/4" supported on gi pipe post 2"dia long 8'-6" above floor level and 1'-6" embeded in pcc 1:2:4 i/c cost of cutting straightening assembling as per design welding/grinding of joints and painting three coats complete in all respect as approved by engineer incharge | 6120 Sft | | | | | P.Sft | 550.00 | 3366000.00 | No. | | | | | Each | | | | 3366000.00 | |
| 25 | Providing and laying Edge Stone K2 8"x4"x6" laid 3-Nos Rft i/c cement poiting flash (1:2) completed in all respect as directed / approved by the Engineer incharge | 579 Rft | | | | | P.Rft | 273.00 | 158067.00 | No. | | | | | Each | | | | 158067.00 | |
| 26 | L.V SWITCH GEAR & DISTRIUTION BOARD | | | | | | | | | | | | | | | | | | | |
| | Supply. Installation & Commissioning of sheet metal clad totally enclosed free standing. front excess L.T MAIN PANEL BOARD (MPB), frames fabricated from 14 swg M.S. sheet steel derusted phosphated & with electrostatic paint of approved color, and suitable for system voltage 415/215.50 Hz., 3 phase & Neutral bus bars (Rated as per incoming breaker) of 99.99% electrolytic copper conductor, rated to a minimum short circuit of 25 KA for 3 seconds. Earthing link. Internal wiring. The switch board shall be equipped with following moulded case circuit breakers rated at 50 C of specified breaking capacity. Shop drawings shall be submitted by the contractor for approval before the manufacture of all distribution equipment, make as per manufacture list attached all breakers, instrumentations and other materials shall be as listed | | | | | | | | | | | | | | | | | | | |
| | Exhaust fan on back or side<br>Thermostat switch with control MCB's (2A).<br>Imported air filter for ventilation at front.<br>Imported hangers & door locks.<br>All nuts bolts and washers shall be stainless steel.<br>providing suitable arrangements for cable termination in shape of busbars for incoming and outgoing cables.<br>Providing brass cable glands & lugs suitable for incoming & Outgoing cables.<br>12" high cable chamber at the bottom/top of the panel.<br>The link of copper bus bar cables shall be at rating of 1mm2=1.25 ampere. | | | | | | | | | | | | | | | | | | | |
| | **ATS Panel**<br>2 - Magnetic Contactor TP 400A AC3 Make Terasaki.<br>2 -Aux Cont Make Terasaki.<br>6 - Indication Lights Make Telemecanique.<br>1 - ATS Control Module Make Deepsea/Equ.<br>1 - Battery Charger Make Deepsea/Equ.<br>4 - 14-Pin Relay with base For Control Make Finder/Omron<br>1 - Over, Under, Phase Failure & Phase sequence Relay Make Entes/Equ.<br>6 - MCB SP 6A (6KA) For Control Make ABB.<br>1 - Earth Bar<br>1 - Neutral Bar | 2 Jobs | | | | | Each | 412620.00 | 825240.00 | No. | | | | | Each | | | | 825240.00 | |
| 27 | Distribution Board | | | | | | | | | | | | | | | | | | | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| | Providing, erecting, testing and commissioning of following distribution panels in accordance with the attached single line diagrams and layout plans. The panels shall be made with 16 SWG sheet steel housing , powder coated after antirust primers. The Copper Bus Bars shall be tin electroplated with protective color coded heat shrink sleeves. All components and accessories shall be as per the SLD. Contractor has to submit the shop drawings prior to fabrication for approval. | | | | | | | | | | | | | | | | | | | |
| | DB-A.C. | | | | | | | | | | | | | | | | | | | |
| | INCOMING<br>1-40A TP MCCB ICS 10 KA<br>INCOMING<br>5-16A TP MCB ICU 6 KA | | | | | | | | | | | | | | | | | | | |
| | Supply & installation of 16 SWG sheet steel for AC TP Box with 16A TP MCB. Complete with all respect and ready to use. | 4 | Jobs | | | | Each | 88110.00 | 352440.00 | | No. | | | | Each | | | | 352440.00 | |
| 28 | LIGHTING FIXTURES | | | | | | | | | | | | | | | | | | | |
| | Supply, installation, testing and commissioning of following lighting fixture & fittings including all mounting accessories, electronic ballast, driver, lamps, mountings steel rope etc. Complete in all respects. | | | | | | | | | | | | | | | | | | | |
| 29 | LED Smart Panel (600mm' x 600mm) 40/48W SMD. Complete in all respect. (Phillips , osram or equivelent) | 130 | Nos | | | | Each | 11715.00 | 1522950.00 | | No. | | | | Each | | | | 1522950.00 | |
| 30 | Extra rate for the provision of aluminium plate D61 in Aluminium Door as approved by the engineer I n- charge. | | Nos | | | | Each | | | 576 | Sft | | | | %Sft | 1500.00 | 864000.00 | 864000.00 | | |
| 31 | Providing and fixing 30mm thick wood plastic composite door or equivalent Fiber Glass sheet 3 Layers 3mm thick on both sides double lipping arround shutter i/c fittings, hinges with 8" high SS Kick plate on bouth sides complete in all respect as approved and Directed by th Engineer Incharge | | Nos | | | | Each | | | 491 | Sft | | | | %Sft | 728.00 | 357448.00 | 357448.00 | | |
| 32 | Providing and laying of Lead Linning as per aproved design & approved completed in all respect and as approved by the Engineer 'incharge. | | Sft | | | | P.sft | | | 1504 | Sft | | | | P.Sft | 2600.00 | 3910400.00 | 3910400.00 | | |
| 33 | Supply and installation of Clip-in tile (0.6 mm -0.7 mm thick )non-porous alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. (a) Sharp edges & flange19.5 mm<br>(iii)600 mmX 600 mm | | Sft | | | | P.sft | | | 612 | Sft | | | | P.Sft | 945.00 | 578340.00 | 578340.00 | | |
| 34 | Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge. | | Sft | | | | P.sft | | | 612 | Sft | | | | P.Sft | 1134.00 | 694008.00 | 694008.00 | | |

COMPARATIVE OF THE REVISED ROUGH COST ESTIMATE FOR SCHEME THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

| Sr No. | Description | As Per Admnistrative Approval | | | | | | | | AS PER REVISED DETAILED ESTIMATE | | | | | | | Difference | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2021 ). | | | | Unit | Rate | Amount | Quantity | Rates ( Based on plinth area rates for 2nd Biannual Period from 2022 | | | | Unit | Rate | Amount | Excess | Savings | |
| | | | B.P | P.H.P | E.I | S.G | | | | | B.P | P.H.P | E.I | S.G | | | | | | |
| 1 | 5 | 6 | | | | | 7 | 8 | 9 | 3 | | | | | 4 | 5 | 6 | 7 | 8 | 10 |
| 35 | Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation) 2mm thick | Sft | | | | | P.sft | | | 1680 Sft | | | | | P.Sft | 1890.00 | 3175200.00 | 3175200.00 | | |
| 36 | Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. | Rft | | | | | P.Rft | | | 1750 Rft | | | | | P.Rft | 450.00 | 787500.00 | 787500.00 | | |
| 37 | Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge | Rft | | | | | P.Rft | | | 320 Sft | | | | | P.Sft | 1596.00 | 510720.00 | 510720.00 | | |
| 38 | Providing and laying of Lead Linning as per aproved design & approved completed in all respect and as approved by the Engineer Incharge. | Sft | | | | | P.sft | | | 140 Sft | | | | | P.Sft | 1386.00 | 194040.00 | 194040.00 | | |
| | TOTAL "C" | | | | | | | | 23149650 | | | | | | | | 11127156 | 11116656 | 23139150 |
| | TOTAL "A+B+C" | | | | | | | | 34233308 | | | | | | | | 55433552 | 51233720 | 30033476 |
| | Deduction Recovery of Old Material "D" | | | | | | | | 730278 | | | | | | | | 406829 | 323449 | |
| | TOTAL "A+B-C+D" | | | | | | | | 33503030 | | | | | | | | 55026723 | 51557169 | 30033476 |
| | Add Contingency"E" | | | | | | | | 1020147 | | | | | | | | 1567282 | | |
| | Add 5% PRA"F" | | | | | | | | 1700245 | | | | | | | | 2751337 | | |
| | Wapda Charges"G" | | | | | | | | 1700245 | | | | | | | | 9800000 | | |
| | Total "A+B+C+D+E+F+G" | | | | | | | | 36223422 | | | | | | | | 68345342 | | |
| | Say:- | | | | | | | | 36223000 | | | | | | | | 68345342.00 | | |
| | Or- | | | | | | | | Rs.36.223 (M) | | | | | | | | Rs.68.345 (M) | | |

Sub Divisional Officer
Buildings Sub Division
Hasilpur.

Superintending Engineer
Buildings Circle Bahawalpur

# REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## ABSTRACT OF COST

| | | |
|---|---|---|
| 1 | Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | 3692160 Rs. ~~3722700~~/- |
| 2 | Provision of Facade Uplifting /Elevation Uplifting | 5272300 Rs. ~~4528100~~/- |
| 3 | Power Wiring External i/c Construction of Control Room | 6521336 Rs. ~~6375815~~/- |
| 4 | Replacement of External Water Supply Line for old Building | 1918000 Rs. ~~1862100~~/- |
| 5 | Rehabilitation of Sewerage Line (from specialist Block To Main Sewer Line) | 422000 Rs. ~~409715~~/- |
| 6 | Provision of Street Lights | 2114500 Rs. ~~2052900~~/- |
| 7 | Provision of Fire Alarming System | Rs. 2784000/- |
| 8 | Cost of Dismantling | 191978 Rs. ~~193235~~/- |
| **TOTAL:** | | Rs. ~~55433565~~/- 56153736/- |

| | | |
|---|---|---|
| D/d Cost of old material | = | Rs. ~~406829~~/- 327029/- |
| TOTAL | = | Rs. ~~56026736~~/- 55826705 |
| ~~ADD 3% Contingency on all items Except item No. 07~~ | = | ~~Rs. 1568288/-~~ |
| | | 2791335 |
| ADD 5% PRA | = | Rs. ~~2761337~~/- |
| | | |
| Wapda Charges | = | Rs. 9000000/- |
| G.TOTAL | = | Rs. ~~68345353~~/- 67618040/- |
| | | 67.618 |
| **SAY Rs.** | = | ~~68.345~~ (M) 67.618(M) |

Sub Divisional Officer,
Buildings Sub Division,
Hasilpur.

Sub Engineer

Superintending Engineer
Buildings Circle Bahawalpur

## REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## MRS 2nd- Bi-Annual 1st july 2022 TO 31 December 2022

| | | |
|---|---|---|
| 1 | Renovation/Repair of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | Rs. ~~3230100~~ 3230210 /- |
| 2 | Internal Electrification (O.D.B) | Rs. 1946300 /- |
| 3 | Internal water supply and sanitation of O.D.B, I.D.B, O.T.B, Labour Room, Dialysis Unit, Specialist Block and Medicine Store | Rs. ~~1077100~~ 2036500 /- |
| 4 | Construction of Ramp (Dialysis Unit) | Rs. ~~67400~~ 114700 /- |
| 5 | Revamping of Medicine Store | Rs. ~~366500~~ 377500 /- |
| 6 | Revamping of sterilization Room in OPT Block | Rs. ~~140300~~ 145000 /- |
| | | Total Rs. ~~3722700~~ 3692160 /- |
| | | Total Rs. ~~3722700~~ 3692160 /- |

Sub Divisional Officer
Buildings Sub Division
Hasilpur

Sub Engineer

## REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

### Old Building i/c Dialysis Unit and Medecine Store

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

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dark Room | 1 | x | 2 | x( | 14.25 | + | 9 | )x | 11.5 | | | 535 | Sft |
| **O.D. Block** | | | | | | | | | | | | 45 | " |
| **entrance** | | | 1 | x | 9 | x | 5 | | | | | 55 | " |
| " | | | 1 | x | 11 | x | 5 | | | | | 23 | " |
| piller | | | 1 | x | 4.5 | x | 5 | | | | | 23 | " |
| piller | | | 1 | x | 4.5 | x | 5 | | | | | 74 | Sft |
| | 2 | x | 2 | x( | 11.25 | + | 7.25 | )x | 1 | | | 144 | Sft |
| | 2 | x | 2 | x( | 16 | + | 20 | )x | 1 | | | 45 | Sft |
| | 1 | x | 2 | x( | 11.5 | + | 11 | )x | 1 | | | 108 | Sft |
| | 2 | x | 2 | x( | 16 | + | 11 | )x | 1 | | | 118 | Sft |
| | 2 | x | 2 | x( | 20 | + | 9.5 | )x | 1 | | | 69 | Sft |
| | 2 | x | 2 | x( | 9.5 | + | 7.75 | )x | 1 | | | 93 | Sft |
| **Indoor Block** | 4 | x | 2 | x( | 5 | + | 6.625 | )x | 1 | | | 46 | Sft |
| | 2 | x | 2 | x( | 5 | + | 6.4375 | )x | 1 | | | 54 | Sft |
| | 2 | x | 2 | x( | 6 | + | 7.5 | )x | 1 | | | 51 | Sft |
| | 1 | x | 2 | x( | 10 | + | 15.625 | )x | 1 | | | 124 | Sft |
| | 2 | x | 2 | x( | 12 | + | 19 | )x | 1 | | | 56 | Sft |
| | 1 | x | 2 | x( | 9 | + | 19 | )x | 1 | | | 48 | Sft |
| | 2 | x | 2 | x( | 5.625 | + | 6.41 | )x | 1 | | | 146 | Sft |
| | 1 | x | 2 | x( | 65.75 | + | 7 | )x | 1 | | | 76 | Sft |
| **OPT block** | 1 | x | 2 | x( | 20 | + | 18 | )x | 1 | | | 43 | Sft |
| | 1 | x | 2 | x( | 12 | + | 9.625 | )x | 1 | | | 40 | Sft |
| | 1 | x | 2 | x( | 12 | + | 8 | )x | 1 | | | 64 | Sft |
| | 1 | x | 2 | x( | 14 | + | 18 | )x | 1 | | | 42 | Sft |
| | 1 | x | 2 | x( | 9 | + | 11.75 | )x | 1 | | | 128 | Sft |
| Gallry | 1 | x | 2 | x( | 56.875 | + | 7 | )x | 1 | | | 24 | Sft |
| | 1 | x | 2 | x( | 8 | + | 4 | )x | 1 | | | 60 | Sft |
| | 1 | x | 2 | x( | 16 | + | 14 | )x | 1 | | | 88 | Sft |
| | 2 | x | 2 | x( | 8 | + | 14 | )x | 1 | | | 48 | Sft |
| | 1 | x | 2 | x( | 10 | + | 14 | )x | 1 | | | 128 | Sft |
| | 1 | x | 2 | x( | 56.875 | + | 7 | )x | 1 | | | 95 | Sft |
| **Gainy** | 1 | x | 2 | x( | 29.5 | + | 18 | )x | 1 | | | 64 | Sft |
| | 1 | x | 2 | x( | 18 | + | 14 | )x | 1 | | | 448 | Sft |
| | | | 2 | x | 16 | x | 14 | )x | 1 | | | 41 | Sft |
| | 1 | x | 2 | x( | 11 | + | 9.25 | )x | 1 | | | 38 | Sft |
| | 1 | x | 2 | x( | 11 | + | 8 | )x | 1 | | | 193 | Sft |
| | 2 | x | 2 | x( | 41.25 | + | 7 | )x | 1 | | | 49 | Sft |
| | 1 | x | 2 | x( | 10.5 | + | 14 | )x | 1 | | | 14 | Sft |
| | 1 | x | 2 | x | 6.75 | x | 1 | | | | | 21 | Sft |
| | 1 | x | 2 | x | 10.5 | x | 1 | | | | | 10.00 | Sft |
| | 2 | x | 2 | x | 5 | x | 1 | | | | | 9 | Sft |
| | 2 | x | 2 | x | 4.5 | x | 1 | | | | | | |

| | | |
|---|---|---|
| **Total** | **3580** | **Sft** |
| @ | **3,285.45** | **%Sft** |

*Rs. 117619/-*

**2** Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washi ng of stone aggregate)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **O.D.B** | | | | | | | | | |
| Toilet | 1 | x | 6 | x | 7 | x | 1/8 | 5 | Cft |
| | 3 | x | 5.16 | x | 6 | x | 1/8 | 12 | Cft |
| Public.toilet | 2 | x | 4 | x | 5 | x | 1/8 | 5 | Cft |
| | 6 | x | 2.5 | x | 0.75 | x | 1/8 | 1 | Cft |
| **indoor** | 4 | x | 5 | x | 6.625 | x | 1/8 | 17 | Cft |
| | 2 | x | 5 | x | 6.43 | x | 1/8 | 8 | Cft |
| | 6 | x | 2.5 | x | 0.75 | x | 1/8 | 1 | Cft |
| **OPT. Block** | 1 | x | 12 | x | 9.625 | x | 1/8 | 14 | Cft |
| " | 1 | x | 12 | x | 8 | x | 1/8 | 12.00 | Cft |
| | 1 | x | 14 | x | 18 | x | 1/8 | 32 | Cft |
| | 1 | x | 9 | x | 11.75 | x | 1/8 | 13 | Cft |
| | 1 | x | 9 | x | 5.5 | x | 1/8 | 6 | Cft |
| | 2 | x | 56.875 | x | 7 | x | 1/8 | 100 | Cft |
| | 1 | x | 8 | x | 14 | x | 1/8 | 14 | Cft |
| | 1 | x | 16 | x | 14 | x | 1/8 | 28 | Cft |
| | 2 | x | 8 | x | 14 | x | 1/8 | 28 | Cft |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | x | 10 | x | 14 | x | 1/8 | | 18 | Cft |
| " | 1 | x | 97.25 | x | 7 | x | 1/8 | | 85 | Cft |
| Toilets | 1 | x | 8 | x | 14 | x | 1/8 | | 14 | Cft |
| " | 1 | x | 3 | x | 0.75 | x | 1/8 | | 0 | Cft |
| | 1 | x | 18 | x | 14 | x | 1/8 | | 32 | Cft |
| **Gainy** | 1 | x | 16 | x | 14 | x | 1/8 | | 28 | Cft |
| | 1 | x | 10.5 | x | 14 | x | 1/8 | | 18 | Cft |
| ver | 1 | x | 29.5 | x | 18 | x | 1/8 | | 66 | Cft |
| ward | 1 | x | 11 | x | 8 | x | 1/8 | | 11 | Cft |
| | 1 | x | 11 | x | 9.25 | x | 1/8 | | 13 | Cft |
| | 2 | x | 4.25 | x | 7 | x | 1/8 | | 7 | Cft |
| coridoor | 3 | x | 4.5 | x | 0.75 | x | 1/8 | | 1 | Cft |
| door | 2 | x | 3 | x | 0.75 | x | 1/8 | | 1 | Cft |
| | 1 | x | 6 | x | 0.75 | x | 1/8 | | 1 | Cft |
| | 1 | x | 10.5 | x | 14 | x | 1/8 | | 18 | Cft |
| **Toilets** | 2 | x | 6.5 | x | 5 | x | 1/8 | | 8 | Cft |
| " | 2 | x | 10.5 | x | 5 | x | 1/8 | | 13 | Cft |
| " | 4 | x | 5 | x | 5 | x | 1/8 | | 13 | Cft |
| " | 4 | x | 4.5 | x | 5 | x | 1/8 | | 11 | Cft |
| **Dylasis** | | | | | | | | | | |
| Toilets | 2 | x | 5.25 | x | 6 | x | 1/8 | | 8 | Cft |
| " | 1 | x | 5.25 | x | 5.625 | x | 1/8 | | 4 | Cft |
| " | 3 | x | 2.5 | x | 0.75 | x | 1/8 | | 1 | Cft |
| **Specialist Block** | | | | | | | | | | |
| Toilet | 8 | x | 7 | x | 5 | x | 1/8 | | 35 | Cft |
| | | | | | | | | ***Total*** | ***702*** | ***Cft*** |
| | | | | | | | | @ | ***38,219.00*** | ***%Cft*** |

*Rs. 268297/-*

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

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **O.D. Block** | | | | | | | | | | |
| *Front entrance* | 1 | x | 9 | x | 12 | | | | 108 | Sft |
| | 1 | x | 9 | x | 30.5 | | | | 275 | " |
| dark room | 1 | x | 14.25 | x | 9 | | | | 128 | " |
| Toilet | 1 | x | 6 | x | 7 | | | | 42 | Sft |
| | 3 | x | 5.16 | x | 6 | | | | 93 | " |
| Public.toilet | 2 | x | 4 | x | 5 | | | | 40 | " |
| | 6 | x | 2.5 | x | 0.75 | | | | 11 | " |
| **indoor** | 4 | x | 5 | x | 6.625 | | | | 133 | Sft |
| | 2 | x | 5 | x | 6.43 | | | | 64 | " |
| | 6 | x | 2.5 | x | 0.75 | | | | 11 | " |
| **O.T.P. Block** | 1 | x | 12 | x | 9.625 | | | | 116 | " |
| " | 1 | x | 12 | x | 8 | | | | 96 | " |
| | 1 | x | 14 | x | 18 | | | | 252 | " |
| | 1 | x | 9 | x | 11.75 | | | | 106 | " |
| | 1 | x | 9 | x | 5.5 | | | | 50 | " |
| | 2 | x | 56.875 | x | 7 | | | | 796 | " |
| | 1 | x | 8 | x | 14 | | | | 112 | Sft |
| | 1 | x | 16 | x | 14 | | | | 224 | " |
| | 2 | x | 8 | x | 14 | | | | 224 | " |
| | 1 | x | 10 | x | 14 | | | | 140 | " |
| " | 1 | x | 97.25 | x | 7 | | | | 681 | " |
| Toilet | 1 | x | 8 | x | 14 | | | | 112 | " |
| " | 1 | x | 3 | x | 0.75 | | | | 2 | " |
| **Gainy** | 1 | x | 18 | x | 14 | | | | 252 | Sft |
| | 1 | x | 16 | x | 14 | | | | 224 | Sft |
| ver | 1 | x | 10.5 | x | 14 | | | | 147 | " |
| ward | 1 | x | 29.5 | x | 18 | | | | 531 | " |
| | 1 | x | 11 | x | 8 | | | | 88 | " |
| | 1 | x | 11 | x | 9.25 | | | | 102 | " |
| coridoor | 2 | x | 4.25 | x | 7 | | | | 60 | " |
| door | 3 | x | 4.5 | x | 0.75 | | | | 10 | " |
| | 2 | x | 3 | x | 0.75 | | | | 5 | Sft |
| | 1 | x | 6 | x | 0.75 | | | | 5 | " |
| Toilet | 1 | x | 10.5 | x | 14 | | | | 147 | " |
| " | 1 | x | 2 | x | 6.5 | x | 5 | | 65 | " |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | x | 2 | x | 10.5 | x | 5 | 105 | " | |
| " | 1 | x | 2 | x | 5 | x | 5 | 100 | " | |
| " | 2 | x | 2 | x | 4.5 | x | 5 | 90 | " | |
| " | | | | | | | | | | |
| **Dylasis** | | | | | | | | 180 | Sft | |
| waiting | 1 | x | 18 | x | 10 | | | 166 | Sft | |
| ver | 1 | x | 16.625 | x | 10 | | | 18 | " | |
| | 1 | x | 15.875 | x | 1.125 | | | 9 | " | |
| | 1 | x | 8.125 | x | 1.125 | | | 504 | " | |
| | 2 | x | 18 | x | 14 | | | 214 | " | |
| ward | 1 | x | 8 | x | 26.75 | | | 144 | Sft | |
| coridoor | 1 | x | 12 | x | 12 | | | 5 | " | |
| office | 1 | x | 6 | x | 0.75 | | | 9 | " | |
| opening | 3 | x | 4 | x | 0.75 | | | 63 | " | |
| | 2 | x | 5.25 | x | 6 | | | 30 | " | |
| Bath | 1 | x | 5.25 | x | 5.625 | | | | Sft | |
| " | | | | | | | | 63 | " | |
| **Dylasis** | 2 | x | 5.25 | x | 6 | | | 30 | " | |
| Toilet | 1 | x | 5.25 | x | 5.625 | | | 6 | " | |
| " | 3 | x | 2.5 | x | 0.75 | | | | | |
| " | | | | | | | | | | |
| **Specialist Block** | | | | | | | | 280 | Sft | |
| Toilet | 8 | x | 7 | x | 5 | | | | | |
| | | | | | | | | ***Total*** | ***7468*** | ***Sft*** |
| | | | | | | | | @ | ***341.90*** | ***P Sft*** |

Rs. 2553309/-

**4** Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size,Color and Shade with adhesive/bond over1/2" thick(1:2)cement plaster i/c the cost of and seal erfor finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.
a) Full body Glazed Tile (ii) 600mm x600 mm

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skirting | | | | | | | | | | | | | | |
| **O.D. Block** | | | 1 | x | 9 | x | 5 | | | | | 45 | Sft | |
| **entrance** | | | 1 | x | 11 | x | 5 | | | | | 55 | " | |
| " | | | 1 | x | 4.5 | x | 5 | | | | | 23 | " | |
| piller | | | 1 | x | 30.5 | x | 5 | | | | | 153 | " | |
| " | | | 1 | x | 11.25 | + | 7.25 | )x | 4 | | | 296 | Sft | |
| | 2 | x | 2 | x( | 16 | + | 20 | )x | 4 | | | 576 | Sft | |
| | 2 | x | 2 | x( | 11.5 | + | 11 | )x | 4 1/3 | | | ~~100~~ 15 | Sft | |
| | 1 | x | 2 | x( | 16 | + | 11 | )x | 4 1/33 | | | ~~182~~ 36 | Sft | |
| | 2 | x | 2 | x( | 20 | + | 9.5 | )x | 4 | | | 472 | Sft | |
| | 2 | x | 2 | x( | 9.5 | + | 7.75 | )x | 4 1/3 | | | ~~276~~ 23 | Sft | |
| | 2 | x | 2 | x( | 4.75 | + | 7.75 | )x | 4 4 | | | ~~250~~ 2 | Sft | |
| Passage | 2 | x | 2 | x( | 16.25 | + | 20 | )x | 4 8 | | | ~~305~~ 58 | Sft | |
| | 2 | x | 2 | x( | 9.5 | + | 20 | )x | 4 6 | | | 472 ~~590~~ | Sft | |
| | 1 | x | 2 | x( | 3.5 | + | 5 | )x | 4 8 | | | 68 ~~85~~ | Sft | |
| | 1 | x | 2 | x( | 14.25 | + | 9 | )x | 0.5 | | | 23 | Sft | |
| Dark Room | 1 | x | 2 | x( | 6 | + | 7 | )x | 127 | | | 182 ~~210~~ | Sft | |
| Toilets | 3 | x | 2 | x( | 5.16 | + | 6 | )x | 7 8 | | | 469 ~~605~~ | Sft | |
| | 4 | x | 2 | x( | 5 | + | 6.625 | )x | 7 8 | | | 651 ~~807~~ | Sft | |
| | 2 | x | 2 | x( | 5 | + | 6.43 | )x | 7 8 | | | 320 ~~411~~ | Sft | |
| | 2 | x | 2 | x( | 4 | + | 5 | )x | 7 8 | | | 252 ~~324~~ | Sft | |
| public.toilet | 2 | x | 2 | x( | 5 | + | 6.625 | )x | 4 1/3 | | | 31 ~~42~~ | Sft | |
| **Indoor Block** | 4 | x | 2 | x( | 5 | + | 6.4375 | )x | 4 1/3 | | | 15 ~~198~~ | Sft | |
| | 2 | x | 2 | x( | 6 | + | 7.5 | )x | 4 1/3 | | | 18 ~~230~~ | Sft | |
| | 2 | x | 2 | x( | 10 | + | 15.625 | )x | 4 | | | 205 | Sft | |
| | 1 | x | 2 | x( | 12 | + | 19 | )x | 4 | | | 496 | Sft | |
| | 2 | x | 2 | x( | 9 | + | 19 | )x | 4 1/3 | | | 19 ~~294~~ | Sft | |
| | 1 | x | 2 | x( | 5.625 | + | 6.41 | )x | 4 | | | 193 | Sft | |
| | 2 | x | 2 | x( | 65.75 | + | 7 | )x | 4 | | | 582 | Sft | |
| | ~~1~~ | ~~x~~ | ~~2~~ | ~~x(~~ | ~~20~~ | ~~+~~ | ~~13~~ | ~~)x~~ | ~~4~~ | | | ~~384~~ | ~~Sft~~ | |
| **OPT block** | 1 | x | 2 | x( | 12 | + | 9.625 | )x | 4 1/3 | | | ~~173~~ 14 | Sft | |
| | 1 | x | 2 | x( | 12 | + | 8 | )x | 4 1/3 | | | ~~160~~ 13 | Sft | |
| | 1 | x | 2 | x( | 14 | + | 18 | )x | 1/3 1/3 | | | ~~256~~ 21 | Sft | |
| | 1 | x | 2 | x( | 9 | + | 11.75 | )x | 4 1/3 | | | ~~169~~ 14 | Sft | |
| | 1 | x | 2 | x( | 56.875 | + | 7 | )x | 4 | | | 511 | Sft | |
| Gallry | 1 | x | 2 | x( | 8 | + | 14 | )x | 7 | | | 308 | Sft | |
| Bath | 1 | x | 2 | x( | 5 | + | 4 | )x | 7 | | | 126 | Sft | |
| | 1 | x | 2 | x( | 8 | + | 4 | )x | 4 1/33 | | | ~~96~~ 8 | Sft | |
| | 1 | x | 2 | x( | 16 | + | 14 | )x | 4 1/33 | | | ~~240~~ 20 | Sft | |
| | 1 | x | 2 | x( | 8 | + | 14 | )x | 1/3 4 1/3 | | | ~~352~~ 29 | Sft | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 16 | |
| | | | | | | | | | | ~~192~~ | Sft |
| | 1 | x | 2 | x( | 10 | + | 14 | )x | 4 1/3 | 511 | Sft |
| | 1 | x | 2 | x( | 56.875 | + | 7 | )x | 4 | 380 | Sft |
| | 1 | x | 2 | x( | 29.5 | + | 18 | )x | 4 | 256 | Sft |
| Gainy | 1 | x | 2 | x( | 18 | + | 14 | )x | 4 | 1792 | Sft |
| | | | 2 | x | 16 | x | 14 | )x | 4 | 162 | Sft |
| | 1 | x | 2 | x( | 11 | + | 9.25 | )x | 4 | 152 | Sft |
| | 1 | x | 2 | x( | 11 | + | 8 | )x | 4 | 772 | Sft |
| | 2 | x | 2 | x( | 41.25 | + | 7 | )x | 4 | 196 | Sft |
| | 1 | x | 2 | x( | 10.5 | + | 14 | )x | 4 | 54 | Sft |
| | 1 | x | 2 | x | 6.75 | x | 4 | | | 84 | Sft |
| | 1 | x | 2 | x | 10.5 | x | 4 | | | 80.00 | Sft |
| | 2 | x | 2 | x | 5 | x | 4 | | | 108 | Sft |
| | 2 | x | 2 | x | 4.5 | x | 4 | | | 343 | " |
| | 1 | x | 2 | x( | 10.5 | + | 14 | )x | 7 | 95 | " |
| | 1 | x | 2 | x | 6.75 | x | 7 | | | 147 | " |
| | 1 | x | 2 | x | 10.5 | x | 7 | | | 140 | " |
| | 2 | x | 2 | x | 5 | x | 7 | | | 126 | " |
| | 2 | x | 2 | x | 4.5 | x | 7 | | | | |
| Dylasis | | | | | | | | | | | |
| | 1 | x | 2 | x( | 18 | + | 10 | )x | 4 | 224 | Sft |
| | 1 | x | 2 | x( | 16.625 | + | 10 | )x | 4 | 213 | Sft |
| | 1 | x | 4 | x | 1.125 | x | 4 | | | 18 | Sft |
| ver | 1 | x | 4 | x | | | | | | | |
| ward | 2 | x | 2 | x( | 18 | + | 14 | )x | 4 | 512 | Sft |
| office | 2 | x | 2 | x( | 12 | + | 12 | )x | 4 | 384 | Sft |
| | 1 | x | 2 | x( | 8 | + | 26.75 | )x | 4 | 278 | Sft |
| bath | 2 | x | 2 | x( | 5.25 | + | 6 | )x | 7 8 | 315 ~~405~~ | Sft |
| " | 1 | x | 2 | x( | 5.25 | + | 5.625 | )x | 7 8 | 152 ~~196~~ | Sft |
| " | 1 | x | 2 | x | 6 | x | 9 | | | 84 ~~108~~ | Sft |
| | 2 | x | 2 | x( | 5.25 | + | 6 | )x | 7 5 | 315 ~~405~~ | |
| " | 1 | x | 2 | x( | 5.25 | + | 5.625 | )x | 7 8 | 152 ~~196~~ | " |
| Specialist Block | | | | | | | | | | | |
| Toilets | 8 | x | 2 | x( | 7 | + | 5 | )x | 7 4 | 1344 ~~1728~~ | Sft |
| | | | | | | | | | | ***Total*** ~~22088~~ 16939 | ***Sft*** |
| ***D/d*** | | | | | | | | | | | |
| O.D | | | 1 | x | 6.625 | x | 4 | | | 27 | Sft |
| | | | 2 | x | 7.666 | x | 4 | | | 61 | Sft |
| | | | 1 | x | 5 | x | 4 | | | 20 | " |
| | | | 6 | x | 3.5 | x | 1/3 | | | 7 ~~84~~ | " |
| | | | 10 | x | 3 | x | 1/3 | | | 10 ~~120~~ | " |
| | | | 10 | x | 4 | x | 1/3 | | | 13 ~~160~~ | " |
| | | | 1 | x | 7 | x | 4 | | | 28 | Sft |
| | | | 2 | x | 6.875 | x | 4 | | | 55 | Sft |
| | | | 3 | x | 4.5 | x | 4 | | | 54 | " |
| | | | 1 | x | 2.75 | x | 1/3 13 | | | 10 | " |
| | | | 4 | x | 11 | x | 4 | | | 176 | " |
| | | | 1 | x | 6.875 | x | 4 | | | 28 | " |
| | | | 1 | x | 7.375 | x | 4 | | | 30 | " |
| | | | 12 | x | 4 | x | 4 | | | 192 | " |
| | | | 3 | x | 4.5 | x | 4 | | | 54 | Sft |
| Gainy | | | 2 | x | 3 | x | 1/3 13 | | | 20 | Sft |
| | | | 5 | x | 2.5 | x | 4 | | | 50 | " |
| | | | 1 | x | 6 | x | 4 | | | 24 | Sft |
| dylasis | | | 3 | x | 4 | x | 4 | | | 48 | Sft |
| | | | 2 | x | 3.5 | x | 4 | | | 28 | " |
| | | | 3 | x | 2.5 | x | 4 | | | 30 | " |
| | | | 1 | x | 15.875 | x | 4 | | | 64 | " |
| | | | 1 | x | 7.75 | x | 4 | | | 31 | " |
| | | | | | | | | | | ***Total*** 1013 ~~1099~~ | ***Sft*** |
| | | | | | | | | | | ***Net Total*** 15906 ~~20688~~ | ***P Sft*** |
| | | | | | | | | | | ***@*** 341.90 | ***P Sft*** |

5438261
Rs. ~~7073909~~/-
5438261/-

**6** Preparing surface and painting with emulsion paint: 2-Coat after sacraping

**Ceilling**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **O.D** | 3 | x | 16 | x | 11 | 528 | Sft |
| | 1 | x | 11.5 | x | 11 | 127 | " |
| | 2 | x | 16 | x | 16 | 512 | " |
| | 2 | x | 20 | x | 9.5 | 380 | " |
| | 1 | x | 9.625 | x | 7.75 | 75 | " |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 2 | x | 6 | x | 7.75 | | | | 93 | " |
| | | | | 3 | x | 5.125 | x | 6 | | | | 92 | " |
| | | | | 1 | x | 16.25 | x | 9.625 | | | | 156 | " |
| | | | | 2 | x | 9.5 | x | 20 | | | | 380 | " |
| | | | | 1 | x | 14.25 | x | 10.25 | | | | 146 | Sft |
| | | | | 1 | x | 14.25 | x | 9 | | | | 128 | " |
| | | | | 1 | x | 14.25 | x | 9 | | | | 128 | " |
| | | | | 1 | x | 9.5 | x | 7 | | | | 67 | " |
| | | | | 2 | x | 16.25 | x | 9.625 | | | | 313 | Sft |
| | | | | 1 | x | 14.25 | x | 20 | | | | 285 | " |
| | | | | 2 | x | 7 | x | 9.25 | | | | 130 | " |
| | | | | 1 | x | 11.5 | x | 11 | | | | 127 | " |
| | | | | 2 | x | 20 | x | 9.5 | | | | 380 | Sft |
| | | | | 1 | x | 11.5 | x | 11 | | | | 127 | " |
| | | | | 1 | x | 7 | x | 20 | | | | 140 | " |
| | | | | 1 | x | 7 | x | 126 | | | | 882 | " |
| | | | | 1 | x | 9.5 | x | 20 | | | | 190 | " |
| | | | | 1 | x | 16 | x | 20 | | | | 320 | Sft |
| | | | | 1 | x | 14.25 | x | 10.25 | | | | 146 | " |
| | | | | 1 | x | 5.75 | x | 7.75 | | | | 45 | " |
| **Indoor** | | | | 2 | x | 36 | x | 47 | | | | 3384 | " |
| | | | | 2 | x | 12 | x | 19 | | | | 456 | Sft |
| | | | | 2 | x | 11 | x | 12 | | | | 264 | " |
| | | | | 1 | x | 10 | x | 15.625 | | | | 156 | " |
| | | | | 1 | x | 9 | x | 19 | | | | 171 | " |
| | | | | 2 | x | 28.125 | x | 7 | | | | 394 | " |
| | | | | 2 | x | 65.75 | x | 7 | | | | 921 | " |
| | | | | 1 | x | 47.5 | x | 11 | | | | 523 | Sft |
| | 1 | x | 2 | x | 5 | x | 12 | | | | | 120 | " |
| | 1 | x | 2 | x | 19.25 | x | 9.25 | | | | | 356 | " |
| | 1 | x | 2 | x | 6 | x | 7.5 | | | | | 90 | " |
| **OPT Block Ba** | 1 | x | 2 | x( | 8 | + | 14 | )x | 5 | | | 220 | Sft |
| | 1 | x | 2 | x( | 5 | + | 4 | )x | 5 | | | 90 | Sft |
| **Labour Room bath** | 1 | x | 2 | x( | 10.5 | + | 14 | )x | 5 | | | 245 | " |
| | 1 | x | 2 | x | 6.75 | x | 5 | | | | | 68 | " |
| | 1 | x | 2 | x | 10.5 | x | 5 | | | | | 105 | Sft |
| | 2 | x | 2 | x | 5 | x | 5 | | | | | 100 | " |
| | 2 | x | 2 | x | 4.5 | x | 5 | | | | | 90 | |
| **Dylasis unit** | | | 1 | x | 18 | x | 10 | | | | | 180 | Sft |
| | | | 2 | x | 18 | x | 14 | | | | | 504 | " |
| | | | 1 | x | 12 | x | 12 | | | | | 144 | " |
| | | | 1 | x | 8 | x | 26.75 | | | | | 214 | " |
| | | | 2 | x | 5.25 | x | 6 | | | | | 63 | " |
| **specilist block** | | | | | | | | | | | | | |
| *toilet* | | | 8 | x | 7 | x | 5 | | | | | 280 | Sft |
| **WALLS** | | | | | | | | | | | | | |
| **O.D.B** | 2 | x | 2 | x( | 11.25 | + | 7.25 | )x | 8 | | | 592 | Sft |
| | 2 | x | 2 | x( | 4 | + | 7.25 | )x | 8 | | | 360 | Sft |
| | 2 | x | 2 | x( | 16 | + | 20 | )x | 8 | | | 1152 | Sft |
| | 2 | x | 2 | x( | 11.5 | + | 11 | )x | 8 | | | 720 | Sft |
| | 3 | x | 2 | x( | 16 | + | 11 | )x | 8 | | | 1296 | Sft |
| | 2 | x | 2 | x( | 20 | + | 9.5 | )x | 8 | | | 944 | Sft |
| | 2 | x | 2 | x( | 9.5 | + | 7.75 | )x | 8 | | | 552 | Sft |
| | 2 | x | 2 | x( | 20 | + | 9.5 | )x | 8 | | | 944 | Sft |
| | 1 | x | 2 | x( | 16 | + | 11 | )x | 8 | | | 432 | Sft |
| | 1 | x | 2 | x( | 11.5 | + | 11 | )x | 8 | | | 360 | Sft |
| | 1 | x | 2 | x( | 16.25 | + | 13.25 | )x | 8 | | | 472 | Sft |
| | 2 | x | 2 | x( | 16 | + | 11 | )x | 8 | | | 864 | Sft |
| | 2 | x | 2 | x( | 16.25 | + | 9.625 | )x | 8 | | | 828 | Sft |
| | 2 | x | 2 | x( | 9.5 | + | 20 | )x | 8 | | | 944 | Sft |
| | 2 | x | 2 | x( | 4.75 | + | 7.75 | )x | 8 | | | 400 | Sft |
| Passage | 2 | x | 2 | x( | 16.25 | + | 20 | )x | 8 | | | 1160 | Sft |
| | 2 | x | 2 | x( | 9.5 | + | 20 | )x | 8 | | | 944 | Sft |
| | 1 | x | 2 | x( | 3.5 | + | 5 | )x | 8 | | | 136 | Sft |
| | 1 | x | 2 | x( | 14.25 | + | 9 | )x | 8 | | | 372 | Sft |
| | 1 | x | 2 | x( | 14.25 | + | 10.25 | )x | 8 | | | 392 | Sft |
| | 1 | x | 2 | x( | 7 | + | 20 | )x | 8 | | | 432 | Sft |
| | 2 | x | 2 | x( | 126 | + | 7 | )x | 8 | | | 4256 | Sft |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | x | 2 | x( | 33 | + | 7.25 | )x | 3 | | 644 | Sft |
| | 1 | x | 2 | x( | 20 | + | 18 | )x | 3 | | 608 | Sft |
| **OPT. Block** | 1 | x | 2 | x( | 12 | + | 9.625 | )x | 8 | | 346 | Sft |
| | 1 | x | 2 | x( | 12 | + | 8 | )x | 8 | | 320 | Sft |
| | 1 | x | 2 | x( | 14 | + | 18 | )x | 8 | | 512 | Sft |
| | 1 | x | 2 | x( | 9 | + | 11.75 | )x | 8 | | 332 | Sft |
| | 1 | x | 2 | x( | 56.875 | + | 7 | )x | 8 | | 1022 | Sft |
| Gallry | 1 | x | 2 | x( | 8 | + | 14 | )x | 8 | | 352 | Sft |
| Bath | 1 | x | 2 | x( | 5 | + | 4 | )x | 8 | | 144 | Sft |
| | 1 | x | 2 | x( | 8 | + | 4 | )x | 8 | | 192 | Sft |
| | 1 | x | 2 | x( | 16 | + | 14 | )x | 8 | | 480 | Sft |
| | 2 | x | 2 | x( | 8 | + | 14 | )x | 8 | | 704 | Sft |
| | 1 | x | 2 | x( | 10 | + | 14 | )x | 8 | | 384 | Sft |
| | 1 | x | 2 | x( | 56.875 | + | 7 | )x | 8 | | 1022 | Sft |
| | 1 | x | 2 | x( | 97.25 | + | 0 | )x | 8 | | 1556 | Sft |
| | 1 | x | 2 | x( | 8 | + | 14 | )x | 5 | | 220 | Sft |
| | 1 | x | 2 | x | 5 | x | 5 | | | | 50 | Sft |
| **Indoor Block** | 4 | x | 2 | x( | 5 | + | 6.625 | )x | 8 | | 744 | Sft |
| | 2 | x | 2 | x( | 5 | + | 6.4375 | )x | 8 | | 366 | Sft |
| | 2 | x | 2 | x( | 19.25 | + | 9.25 | )x | 8 | | 912 | Sft |
| | 2 | x | 2 | x | 2 | x | 9.25 | x | 8 | | 360 | Sft |
| | 2 | x | 3 | x | 2 | x | 4.25 | x | 8 | | 300 | Sft |
| | 2 | x | 2 | x( | 6 | + | 7.5 | )x | 8 | | 432 | Sft |
| | 2 | x | 2 | x( | 16 | + | 15.625 | )x | 8 | | 1012 | Sft |
| | 2 | x | 2 | x( | 12 | + | 19 | )x | 8 | | 992 | Sft |
| | 1 | x | 2 | x( | 9 | + | 19 | )x | 8 | | 448 | Sft |
| | 2 | x | 2 | x( | 36 | + | 47 | )x | 8 | | 2656 | Sft |
| | 1 | x | 8 | x | 4.5 | x | 3 | | | | 108 | Sft |
| | 2 | x | 2 | x( | 11 | + | 12 | )x | 8 | | 736 | Sft |
| | 2 | x | 2 | x( | 65.75 | + | 7 | )x | 8 | | 2328 | Sft |
| | 2 | x | 2 | x( | 28.125 | + | 7 | )x | 8 | | 1124 | Sft |
| | 1 | x | 2 | x( | 47.5 | + | 11 | )x | 8 | | 936 | Sft |
| | 2 | x | 2 | x( | 4 | + | 7.25 | )x | 8 | | 360 | Sft |
| | 2 | x | 2 | x( | 11.75 | + | 7.25 | )x | 8 | | 608 | Sft |
| | 2 | x | 2 | x( | 10 | + | 15.625 | )x | 8 | | 820 | Sft |
| | 2 | x | 2 | x( | 5 | + | 6.625 | )x | 5 | | 465 | " |
| | 4 | x | 2 | x( | 5 | + | 6.43 | )x | 5 | | 229 | " |
| | 2 | x | 2 | x( | 11 | + | 9.25 | )x | 7 | | 284 | Sft |
| **Gainy Block** | 1 | x | 2 | x( | 11 | + | 8 | )x | 7 | | 266 | Sft |
| | 1 | x | 2 | x( | 29.5 | + | 18 | )x | 7 | | 665 | Sft |
| | 1 | x | 2 | x( | 18 | + | 14 | )x | 7 | | 448 | Sft |
| | 1 | x | 2 | x( | 16 | + | 14 | )x | 7 | | 420 | Sft |
| | 1 | x | 2 | x( | 10.5 | + | 14 | )x | 7 | | 343 | Sft |
| | 1 | | 2 | x | 10.5 | x | 2 | | | | 42 | Sft |
| | 2 | x | 2 | x | 3.5 | x | 2.00 | | | | 308 | Sft |
| | 1 | x | 2 | x | 6.75 | x | 2.00 | | | | 27 | Sft |
| | 2 | x | 2 | x | 5 | x | 2.00 | | | | 40 | Sft |
| | 2 | x | 2 | x( | 41.25 | + | 7 | )x | 6 | | 1158 | Sft |
| **Dylasis Block** | 1 | x | 2 | x( | 18 | + | 10 | )x | 8 | | 448 | Sft |
| | 1 | x | 2 | x( | 16.625 | + | 10 | )x | 8 | | 426 | Sft |
| ward | 2 | x | 2 | x( | 18 | + | 14 | )x | 8 | | 1024 | Sft |
| office | 2 | x | 2 | x( | 12 | + | 12 | )x | 8 | | 768 | Sft |
| ver | 1 | x | 1 | x | 2 | x | 6 | x | 8 | | 96 | Sft |
| | 1 | x | 2 | x( | 8 | + | 26.75 | )x | 8 | | 556 | Sft |
| bath | 2 | x | 2 | x( | 5.25 | + | 6 | )x | 8 | | 360 | Sft |
| " | 1 | x | 2 | x( | 5.25 | + | 5.625 | )x | 8 | | 174 | Sft |
| " | 1 | x | 2 | x | 2 | x | 2.63 | x | 8 | | 84 | Sft |
| ver | 1 | x | 2 | x | 7.25 | x | 2.25 | x | 8 | | 261 | Sft |
| **specilist bloc** | 8 | x | 2 | x( | 7 | + | 5 | )x | 5 | | 960 | Sft |
| | | | | | | | | | | ***Total*** | **84085** | **Sft** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ***D/d*** | | | | | | | |
| O.D.B | 1 | x | 6.625 | x | 3 | 20 | Sft |
| | 2 | x | 7.666 | x | 2 | 31 | Sft |
| | 1 | x | 5 | x | 2 | 10 | " |
| | 6 | x | 3.5 | x | 3 | 63 | " |
| | 10 | x | 3 | x | 3 | 90 | " |
| | 10 | x | 4 | x | 3 | 120 | " |
| | 1 | x | 7 | x | 3 | 21 | Sft |
| | 2 | x | 6.875 | x | 2 | 28 | Sft |
| | 3 | x | 4.5 | x | 3 | 41 | " |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1 | x | 2.75 | x | 3 | 8 | " | |
| | 4 | x | 11 | x | 2 | 88 | " | |
| | 1 | x | 6.875 | x | 2 | 14 | " | |
| | 1 | x | 7.375 | x | 3 | 22 | " | |
| | 12 | x | 4 | x | 2 | 96 | " | |
| | 3 | x | 4.5 | x | 3.5 | 47 | Sft | |
| Gainy Block | 1 | x | 3 | x | 3.5 | 11 | Sft | |
| | 1 | x | 3 | x | 3.5 | 11 | " | |
| | 5 | x | 2.5 | x | 2 | 25 | " | |
| | 13 | x | 4 | x | 3.5 | 182 | " | |
| | 1 | x | 6 | x | 3.5 | 21 | Sft | |
| Dylasis block | 3 | x | 4 | x | 3.5 | 42 | Sft | |
| | 2 | x | 3.5 | x | 3.5 | 25 | " | |
| | 3 | x | 2.5 | x | 2 | 15 | " | |
| | 1 | x | 4 | x | 5.5 | 22 | " | |
| | | | | | **Total** | **1053** | **Sft** | |
| | | | | | **Net** | **83032** | **Sft** | |
| | | | | | **@** | **2,829.95** | **%Sft** | **Rs. 2349757/-** |

**9** Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, completein all respect as approved and directed by the Engineer Incharge

i) 3/4" thick

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Nursing Counters | | | | | | | 32 | Sft | |
| Ward | 2 | x | 8 | x | 2 | | 32 | " | |
| O.T& Lbr Room | 2 | x | 8 | x | 2 | | 10 | " | |
| Dylisis specilist Block | 1 | x | 5 | x | 2 | | | | |
| stair steps | 21 | x | 4 | x | (1.5 + 1.25)/2 | | 116 | Sft | |
| | | | | | | **Total** | **190** | **Sft** | |
| | | | | | | **@** | **1,310.7** | **P.Sft** | **Rs. 249033/-** |

i) 1/2" thick

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| specilist Block | | | | | | | | |
| stair steps | 21 | x | 4 | x | 0.5833 | 49 | Sft | |
| | | | | | **Total** | **49** | **Sft** | |
| | | | | | **@** | **1,184.7** | **P.Sft** | **Rs. 58050/-** |

**10** Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdiscas approved and directed by the Engineer Incharge.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| specilist Block | | | | | | | |
| stair steps | 21 | x | 4 | 84 | Rft | | |
| Nursing Coun | 4 | x | 8 | 32 | Rft | | |
| " | 1 | x | 2 | 2 | Rft | | |
| Nursing Coun | 4 | x | 8 | 32 | Rft | | |
| " | 1 | x | 2 | 2 | Rft | | |
| Nursing Coun | 2 | x | 5 | 10 | Rft | | |
| " | 1 | x | 2 | 2 | Rft | | |
| | | | | **Total** | **164** | **Rft** | |
| | | | | **@** | **25.9** | **P.Sft** | **Rs. 4248/-** |

**12** Grounting Single layer of tile 1:3

| | |
|---|---|
| Coverd Area of old Building | 8574 Sft |
| O.D | 2994 Sft |
| OPT | 9182 Sft |
| IN.D | 879 Sft |
| Link Passage | 6211 Sft |
| Labour Room | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **Net Total** | **27840** | **Sft** |
| | | | | | | | @ | **2674.45** | **%Sft** |

**Rs. 744567/-**

**13** Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4" x¾" ) and leaf frame sections of 50 x 20 mm (2" x¾" ), all of 1.6 mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **O.D.B** | **W** | 2 | x | 6 | | x | 4 | | 48 | Sft |
| | W | 2 | x | 3 | 1/2 | x | 5 1/2 | | 39 | Sft |
| | W | 2 | x | 2 | | x | 3 | | 12 | Sft |
| | W | 14 | x | 4 | | x | 4 | | 224 | Sft |
| | W | 13 | x | 3 | 1/2 | x | 5 1/2 | | 250 | Sft |
| | W | 4 | x | 3 | | x | 3 | | 36 | Sft |
| **IN.Block** | **W** | 6 | x | 4 | | x | 5 1/2 | | 132 | Sft |
| | " | 12 | x | 4 | | x | 5 1/2 | | 264 | Sft |
| | " | 12 | x | 4 | | x | 4 | | 192 | Sft |
| **OPT. Block** | | 5 | x | 4 | | x | 5 1/2 | | 110 | Sft |
| | w | 1 | x | 3 | | x | 4 | | 12 | Sft |
| **Gainy Block** | | 17 | x | 4 | | x | 5 1/2 | | 374 | Sft |
| | w | 5 | x | 2 | | x | 2 1/2 | | 25 | Sft |
| **Dylasis Block** | | 3 | x | 6 | | x | 5 1/2 | | 99 | Sft |
| | w | 5 | x | 4 | | x | 5 1/2 | | 110 | Sft |
| | w | 6 | x | 4 | | x | 3 | | 72 | Sft |

| | | | |
|---|---|---|---|
| **Total** | **1999** | | **Sft** |
| @ | **1,353.75** | | **P.Sft** |

**Rs. 2706146/-**

**14** Providingandfixing AluminumFly screen comprisingof Fiber Aluminumwireguaze ( Malasian) fixed in aluminum frame of approvedmanufacturerbrownzeColour/ powdercoatedofsi ze1-1/2" x1/2"and1.6mmthi ck withrubbergask eti/ccostofHar dwares asapprovedanddi r ectedbytheengi neerincharge. completein all respect.

*Take 1/2 Qty of item#12 Above*

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1999 | | x | 1/2 | | | | 1000 | **Sft** |
| | | | | | | | **Total** | **1000** | | **Sft** |
| | | | | | | | @ | **494.50** | | **P.Sft** |

**Rs. 494253/-**

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

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **O.D.B** | **W** | 2 | x | 6 | | x | 4 | | 48 | Sft |
| | W | 2 | x | 3 | 1/2 | x | 5 1/2 | | 39 | Sft |
| | W | 2 | x | 2 | | x | 3 | | 12 | Sft |
| | W | 14 | x | 4 | | x | 4 | | 224 | Sft |
| | W | 13 | x | 3 | 1/2 | x | 5 1/2 | | 250 | Sft |
| | W | 4 | x | 3 | | x | 3 | | 36 | Sft |
| **IN.Block** | **W** | 6 | x | 4 | | x | 5 1/2 | | 132 | Sft |
| | " | 12 | x | 4 | | x | 5 1/2 | | 264 | Sft |
| | " | 12 | x | 4 | | x | 4 | | 192 | Sft |
| **OPT. Block** | | 5 | x | 4 | | x | 5 1/2 | | 110 | Sft |
| | w | 1 | x | 3 | | x | 4 | | 12 | Sft |
| **Gainy Block** | | 17 | x | 4 | | x | 5 1/2 | | 374 | Sft |
| | w | 5 | x | 2 | | x | 2 1/2 | | 25 | Sft |
| **Dylasis Block** | | 3 | x | 6 | | x | 5 1/2 | | 99 | Sft |
| | w | 5 | x | 4 | | x | 5 1/2 | | 110 | Sft |
| | w | 6 | x | 4 | | x | 3 | | 72 | Sft |

| | | | |
|---|---|---|---|
| **Total** | **1999** | | **Sft** |
| @ | **863.90** | | **P.Sft** |

**Rs. 1726936/-**

(16) P/F 1½" Plain Solid Flush Load Bearing 4 2.5mm Plate Needle/Hook/Male Ply with Arms, Compressed over 2.5mm Plate Connector Ply over 1" Plain Fixing wood in Slab 4 Folds under Floor Pressure ile Pre cast 4 nails Tower Nuts etc complete as Plywood 4 Universal Ply The Original Invoice.

* ६+३½+२ = १६२-५१
* १+३+४½ = २६ ५१
१+२+४½ = ८७-५१
१+३+४½ = २६ ५२१ / २७१-५१
@ ६४५.७५/५१ = १७६०४/-

**16** Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, usi ng delux secti on of M/s Al-Cop or Paki stan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4" ) and leaf frame of 60x40mm (2½" x1½" ) wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engi neer i n- char ge. (2mm thick)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Entrance front | D | 1 | x | 5 | x | 8.5 | 43 | Sft |
| corridor lab back | D | 1 | x | 5 | x | 8.5 | 43 | Sft |
| ~~sp.Block~~ | ~~D~~ | ~~6~~ | ~~x~~ | ~~3.5~~ | ~~x~~ | ~~7~~ | ~~147~~ | ~~Sft~~ |
| **Dylasis Block** | D | 1 | x | 6 | x | 8.5 | 51 | Sft |
| **Gyni** | D | 1 | x | 6 | x | 8.5 | 51 | Sft |
| | ~~D~~ | ~~1~~ | ~~x~~ | ~~3~~ | ~~x~~ | ~~8.5~~ | ~~26~~ | ~~Sft~~ |
| **indoor Block** | D | 2 | x | 4.5 | x | 7 | 63 | Sft |
| **OPT Block** | D | ~~1~~ 2 | x | 7 | x | 8.5 | 60 ~~119~~ | Sft |
| | ~~D~~ | ~~1~~ | ~~x~~ | ~~3~~ | ~~x~~ | ~~8.5~~ | ~~26~~ | ~~Sft~~ |
| | | | | | | **Total** | ~~311 309~~ | Sft |
| | | | | | | @ | **1,481.20** | **P.Sft** |

460653
Rs. ~~~~
460653

**17** Extra rate for the provision of aluminium plate D61 in Aluminium Door as approved by the engi neer i n- char ge.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Entrance front | D | 1 | x | 2 | x | 5 | x | 4 | 40 | Sft |
| corridor lab back | D | 1 | x | 2 | x | 5 | x | 4 | 40 | Sft |
| **sp.Block** | ~~D~~ | ~~6~~ | ~~x~~ | ~~2~~ | ~~x~~ | ~~3.5~~ | ~~x~~ | ~~4~~ | ~~168~~ | ~~Sft~~ |
| **Dylasis Block** | D | 1 | x | 2 | x | 6 | x | 4 | 48 | Sft |
| **Gyni** | D | 1 | x | 2 | x | 6 | x | 4 | 48 | Sft |
| | ~~D~~ | ~~1~~ | ~~x~~ | ~~2~~ | ~~x~~ | ~~3~~ | ~~x~~ | ~~4~~ | ~~24~~ | ~~Sft~~ |
| **indoor Block** | D | 2 | x | 2 | x | 4.5 | x | 4 | 72 | Sft |
| **OPT Block** | D | ~~1~~ 2 | x | 2 | x | 7 | x | 4 | 56 ~~112~~ | Sft |
| | ~~D~~ | ~~1~~ | ~~x~~ | ~~2~~ | ~~x~~ | ~~6~~ | ~~x~~ | ~~4~~ | ~~24~~ | ~~Sft~~ |
| | | | | | | | **Total** | | ~~304 300~~ | Sft |
| | | | | | | | @ | | **1,500.00** | **P.Sft** |

456000-
Rs. ~~~~
456000/-

**18** Providing and fixing heavy duty 3mm thick SS Plate,die-cast metal auotomatic hydraulic opcrated door stopper ( Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware,cutting of floor and making it good complete in all respect as approved and directed by the Engi neer Incharge

| | | | | | |
|---|---|---|---|---|---|
| 1 | x | 16 | 16 | Nos | |
| | | **Total** | **16** | **Nos** | |
| | | @ | **5,579.00** | **Each** | **Rs. 89264/-** |

**19** Provi di ng and fixing 2" wideM S/GIChowkat si ngel/doubler ebatemade of 16SWG MSsheet pr essed/w el ded / supported withM .S.f l at 1-1/4" x1/8".i/c 6" long M .S. Fl at 1" x1/8" hold f asts (6-Nos) w el ded/ scr ew ed, punchi ng of lock holecov er ed with MSBox, coati ngwith anti rust pai nt i ncludi ng filling withcement sand mor tar(1:8) and embeddingholdf ast incementconcrete(1:2:4),compl eteinal lr espectas approved and di rected by Engi neer Incharge. 10:50 " wide

**Toilets Doors**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| O.D | 4 | x | 2.5 | x | 7 | 70 | Sft |
| indoor | 6 | x | 2.5 | x | 7 | 105 | Sft |
| OPT | 2 | x | 2.5 | x | 7 | 35 | " |
| Gainy | 5 | x | 2.5 | x | 7 | 88 | " |
| Dylasis | 3 | x | 2.5 | x | 7 | 53 | " |
| sp.Block | 8 | x | 2.5 | x | 7 | 140 | " |
| | | | | **Total** | | **491** | **Sft** |
| | | | | @ | | **626.40** | **P.Sft** |

**Rs. 307562/-**

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

eet
8"

Engineer Incharge

**Toilets Doors**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| O.D | 4 | x | 2.5 | x | 7 | 70 | Sft |
| indoor | 6 | x | 2.5 | x | 7 | 105 | Sft |
| OPT | 2 | x | 2.5 | x | 7 | 35 | " |
| Gainy | 5 | x | 2.5 | x | 7 | 88 | " |
| Dylasis | 3 | x | 2.5 | x | 7 | 53 | " |
| sp.Block | 8 | x | 2.5 | x | 7 | 140 | " |
| | | | | **Total** | | **491** | **Sft** |

@ 728.00 P.Sft Rs. 357448/-

**20** Provi di ng and fixing almirah shutter compri si ng of 3/4"thi ck bothsi de L ami nated/Gl ossy MDF( K ar achi ) sheetwith1" x3/4" deodarwoodgolla al laroundthel eaf f i x edon(3" x1" )K ai lwoodf r ame i/cthecostof1/2" full br ass hi nges, C.P.handles, catchers, scr ews, and r awal plugs, poli shi ng/ pai nt i ng 3coat to gola&f r ame i/c thc cost of locki ng arrangementcompl eteinal lr espectasapprovedanddi r ectedbyEngi ncer Incharge.

| | | | | | | |
|---|---|---|---|---|---|---|
| X-ray room | 1 | x | 9 | x | 7 | 63 Sft |
| | | | | | **Total** | **63 Sft** |
| | | | | | @ | **433.8 P.Sft** |

Rs. 27329/-

**21** Provi di ng and fi xi ng 1½" (40 mm) thi ck deodar wood panelled or panelled and glazed, doors and windows, wi th out mild steel chowkat ( frame) , etc. compl ete i n al l r espects (excludi ng sli di ng bolt or lock)

| | | | | | | |
|---|---|---|---|---|---|---|
| opt | 1 | x | 5 | x | 8.5 | 43 Sft |
| | | | | | **Total** | **43 Sft** |
| | | | | | @ | **1,507.80 P.Sft** |

Rs. 64835/-

**22** P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mmthi ck commerci alplyov er1"thi ck pack i ng woodin styl eand rails under proper pressur ei/c thecostofnai l s,tow er bolt, handles, glue,sawi ngcharges, Pai nti ng charges,sandpaperingand 3/8" thi ck matchi ng wooden lipping asapproved anddi r ectedbythe Engi neer Incharge

| | | | | | | |
|---|---|---|---|---|---|---|
| ward store | 1 | x | 3 | x | 7 | 21 Sft |
| | | | | | **Total** | **21 Sft** |
| | | | | | @ | **506.80 P.Sft** |

Rs. 10643/-

**23** P/F 3/4"dia heavy duty sliding bolt of speci f i ed mater i ali/c the cost of hardware complete in all respect as approved and directed by the Engi neer Incharge.

Brass 18" (450 mm) long

| | | | |
|---|---|---|---|
| opt | | 2 | Nos |
| | **Total** | **2** | **Nos** |
| | @ | **1,229.50** | **Each** |

Rs. 2459/-

Iron 12" (450 mm) long

| | | | |
|---|---|---|---|
| ward store | 1 | Nos | |
| | **Total** | **1** | **Nos** |
| | @ | **473.50** | **Each** |

Rs. 474/-

**24** Painting New surface Painting doors and windows, any typ 3-coat

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Opt | 1 | x | 2 | x | 5 | x | 8.5 | 85 | " |
| ward store | 1 | x | 2 | x | 3 | x | 7 | 42 | " |
| | | | | | | | **Total** | **127** | **Sft** |
| | | | | | | | @ | **2,770.70** | **%Sft** |

Rs. 3519/-

**25** Painting old surface Painting doors and windows, any typ 2-coat after cleaning wood work with oil and water

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| O.D.B | 5 | x | 2 | x | 3 | x | 7 | 210 | Sft |
| | 1 | x | 2 | x | 3 | x | 8.5 | 51 | " |
| | 10 | x | 2 | x | 4 | x | 8.5 | 680 | " |
| | 2 | x | 2 | x | 3 | x | 8.5 | 102 | " |
| | 2 | x | 2 | x | 5 | x | 8.5 | 170 | " |
| | 2 | x | 2 | x | 3.5 | x | 8.5 | 119 | Sft |
| In.D.B | 6 | x | 2 | x | 4.5 | x | 8.5 | 459 | " |
| | 4 | x | 2 | x | 3 | x | 8.5 | 204 | " |
| OPT.B | 1 | x | 2 | x | 4.5 | x | 8.5 | 77 | " |
| | 4 | x | 2 | x | 3.5 | x | 8.5 | 238 | " |
| al | 2 | x | 2 | x | 4 | x | 7 | 112 | " |
| al | 2 | x | 2 | x | 3 | x | 7 | 84 | Sft |
| al | 2 | x | 2 | x | 6 | x | 7 | 168 | " |
| Gyni.B | 3 | x | 2 | x | 4.5 | x | 8.5 | 230 | " |
| | 1 | x | 2 | x | 3 | x | 8.5 | 51 | Sft |
| Dylasis unit | 2 | x | 2 | x | 3.5 | x | 8.5 | 119 | " |
| | 3 | x | 2 | x | 4 | x | 8.5 | 204 | Sft |
| al | 2 | x | 2 | x | 5.75 | x | 7 | 161 | " |
| al | 2 | x | 2 | x | 5.25 | x | 7 | 147 | " |
| | | | | | | | **Total** | **3586** | **Sft** |

Rs. 72746/-

@ 2,028.60 %Sft

**26** Painting old surface .Painting sashes, fanlights, glazed or gauzed doors and windows: 2-Coats after Scraping, brushing and removing old paint from metal surface.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Old Building | 4 | x | 1 | x | 3.5 | x | 6.75 | | | | 95 | Sft |
| | 2 | x | 3 | x | 6 | x | 3.75 | | | | 135 | " |
| | 2 | x | 3 | x | 3.33 | x | 5.5 | | | | 110 | " |
| | 2 | x | 3 | x | 3 | x | 2.75 | | | | 50 | " |
| | 2 | x | 3 | x | 3 | x | 7 | | | | 126 | Sft |
| | 4 | x | 3 | x | 4 | x | 5.5 | | | | 264 | " |
| | 11 | x | 3 | x | 3.5 | x | 5.5 | | | | 635 | " |
| | 19 | x | 2 | x | 3.5 | x | 5.5 | | | | 732 | " |
| | 19 | x | 1 | x | 3.5 | x | 4 | | | | 266 | " |
| | 50 | x | 3 | x | 2 | x | 1.75 | | | | 525 | " |
| | 7 | x | 3 | x | 3.5 | x | 1.75 | | | | 129 | " |
| | 4 | x | 3 | x | 1.83 | x | 3 | | | | 66 | " |
| | 2 | x | 1 | x | 3 | x | 8 | | | | 48 | Sft |
| | 11 | x | 1 | x | 7.83 | x | 6 | | | | 517 | " |
| | 1 | x | 1 | x | 7.16 | x | 6 | | | | 43 | " |
| | 1 | x | 1 | x | 7 | x | 7 | | | | 49 | " |
| | 2 | x | 1 | x | 13 | x | 5 | | | | 130 | " |
| | 2 | x | 6 | x | 2 | x | 4 | x | 5.5 | | 528 | Sft |
| | 2 | x | 1 | x | 1 | x | 3 | x | 1.5 | | 9 | " |
| | 2 | x | 1 | x | 1 | x | 9.5 | x | 1.5 | | 29 | " |
| | 2 | x | 2 | x | 1 | x | 4.16 | x | 6 | | 100 | " |
| | 2 | x | 1 | x | 2 | x | 6 | x | 2 | | 48 | " |
| | 10 | x | 2 | x | 2 | x | 2 | x | 2 | | 160 | " |
| | 2 | x | 1 | x | 2 | x | 4 | x | 2 | | 32 | " |
| | 2 | x | 1 | x | 2 | x | 2 | x | 2 | | 16 | " |
| | 2 | x | 1 | x | 3 | x | 4 | x | 5.5 | | 132 | " |
| | 2 | x | 2 | x | 3 | x | 4 | x | 5.5 | | 264 | " |
| | 2 | x | 1 | x | 3.5 | x | 1.5 | | | | 11 | Sft |
| | 1 | x | 1 | x | 3 | x | 1.5 | | | | 5 | " |
| | 2 | x | 1 | x | 4.5 | x | 1.5 | | | | 14 | " |
| | 2 | x | 1 | x | 3.5 | x | 1.5 | | | | 11 | " |
| | 2 | x | 4 | x | 1 | x | 4 | x | 8 | | 256 | " |
| | 2 | x | 4 | x | 1 | x | 5.875 | x | 6 | | 282 | " |
| | 2 | x | 1 | x | 1 | x | 5.875 | x | 6 | | 71 | Sft |
| | 2 | x | 1 | x | 4.33 | x | 7 | | | | 61 | " |
| | 3 | x | 1 | x | 7 | x | 1.5 | | | | 32 | " |
| | 2 | x | 1 | x | 7 | x | 8.5 | | | | 119 | " |
| | 2 | x | 2 | x | 3.5 | x | 1.5 | | | | 21 | " |
| | 4 | x | 2 | x | 4.5 | x | 1.5 | | | | 54 | " |
| | 2 | x | 2 | x | 3 | x | 1.5 | | | | 18 | " |
| | 1 | x | 2 | x | 2.75 | x | 1.5 | | | | 8 | " |
| | 1 | x | 2 | x | 3 | x | 1.5 | | | | 9 | " |
| | 5 | x | 2 | x | 4 | x | 5.5 | | | | 220 | Sft |
| | 1 | x | 2 | x | 2 | x | 2 | | | | 8 | " |
| | 1 | x | 2 | x | 4 | x | 5.5 | | | | 44 | " |
| | 1 | x | 2 | x | 2 | x | 2 | | | | 8 | " |
| | 1 | x | 1 | x | 3 | x | 4 | x | 1 | | 12 | " |
| | 12 | x | 1 | x | 6.16 | x | 6 | x | 1 | | 444 | " |
| | 1 | x | 5 | x | 6.16 | x | 6 | | | | 185 | " |
| | 4 | x | 1 | x | 4 | x | 8 | | | | 128 | Sft |
| | 4 | x | 1 | x | 6 | x | 6 | | | | 144 | " |
| | 1 | x | 1 | x | 5.625 | x | 6 | | | | 34 | " |
| | 1 | x | 30 | x | 1 | x | 14 | | | | 420 | " |
| | 1 | x | 13 | x | 0.66 | x | 15 | | | | 129 | " |
| | 2 | x | 1 | x | 2 | x | 6 | x | 5.5 | | 132 | " |
| | 2 | x | 1 | x | 2 | x | 5 | x | 7 | | 140 | " |
| | 2 | x | 2 | x | 4 | x | 3 | | | | 48 | Sft |
| | 2 | x | 2 | x | 3 | x | 3 | | | | 36 | " |
| | 2 | x | 2 | x | 10 | x | 5.5 | | | | 220 | " |
| | 1 | x | 2 | x | 4 | x | 3 | | | | 24 | " |
| | 17 | x | 3 | x | 3.5 | x | 4 | | | | 714 | " |
| | 5 | x | 3 | x | 3 | x | 2 | | | | 90 | " |
| | 5 | x | 2 | x | 6 | x | 7 | | | | 420 | " |
| | 2 | x | 2 | x | 4 | x | 7 | | | | 112 | " |
| | | | | | | | | | | Total | 9922 | Sft |
| | | | | | | | | | | @ | 3,069.30 | %Sft |

Rs. 304536/-

**27** Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: 2-coats after sacraping

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O.D Block | 1 | x | 2 | x( | 163.25 | + | 60.625 | )x | 16.8 | | | 7500 | Sft |
| | 1 | x | 2 | x( | 17.5 | + | 35.25 | )x | 7 | | | 739 | Sft |
| | 1 | x | 2 | x | 13.75 | x | 7 | | | | | 193 | " |
| | 1 | x | 2 | x | 58.5 | x | 15 | | | | | 1755 | " |
| | 1 | x | 1 | x | 51.625 | x | 15 | | | | | 774 | " |
| indoor block | 1 | x | 2 | x( | 149.25 | + | 57.375 | )x | 15.0 | | | 6199 | Sft |
| | 2 | x | 2 | x( | 21.5 | + | 11.5 | )x | 15 | | | 1980 | Sft |
| | 2 | x | 2 | x | 7.5 | x | 15 | | | | | 450 | " |
| Ent | 1 | x | 2 | x | 3 | x | 15 | | | | | 90 | " |
| shad | 1 | x | 2 | x | 160.25 | x | 2 | | | | | 641 | " |
| | 1 | x | 2 | x | 64.125 | x | 2 | | | | | 257 | " |
| Gyni block | 1 | x | 1 | x | 37.625 | x | 13.375 | | | | | 503 | " |
| | 1 | x | 1 | x | 39.75 | x | 13.375 | | | | | 532 | " |
| | 1 | x | 1 | x | 47.75 | x | 13.375 | | | | | 639 | " |
| | 1 | x | 1 | x | 29 | x | 13.375 | | | | | 388 | " |
| | 1 | x | 1 | x | 10.125 | x | 13.375 | | | | | 135 | " |
| | 1 | x | 1 | x | 10.125 | x | 13.375 | | | | | 135 | " |
| | 1 | x | 2 | x( | 51.75 | + | 39.75 | )x | 2.5 | | | 458 | Sft |
| | 1 | x | 2 | x( | 51.75 | + | 48.75 | )x | 2.5 | | | 503 | Sft |
| | 1 | x | 4 | x | 9.5 | x | 1 | | | | | 38 | " |
| | 1 | x | 4 | x | 8.5 | x | 1.125 | | | | | 38 | " |
| | 4 | x | 2 | x | 1.25 | x | 1.5 | | | | | 15 | " |
| | 1 | x | 9 | x | 7.5 | x | 1 | | | | | 68 | " |
| | 1 | x | 9 | x | 6.5 | x | 1.25 | | | | | 73 | " |
| | 9 | x | 2 | x | 1.25 | x | 1.5 | | | | | 34 | " |
| | 1 | x | 1 | x | 18.5 | x | 2 | | | | | 37 | " |
| | 1 | x | 1 | x | 10 | x | 2 | | | | | 20 | " |
| OPT block | 1 | x | 1 | x | 51.5 | x | 14 | | | | | 721 | " |
| | 1 | x | 2 | x | 58.375 | x | 14 | | | | | 1635 | " |
| Dylasis block | 1 | x | 1 | x | 37.625 | x | 13.375 | | | | | 503 | " |
| | 1 | x | 1 | x | 39.75 | x | 13.375 | | | | | 532 | " |
| | 1 | x | 1 | x | 47.75 | x | 13.375 | | | | | 639 | " |
| | 1 | x | 1 | x | 29 | x | 13.375 | | | | | 388 | " |
| | 1 | x | 1 | x | 10.125 | x | 13.375 | | | | | 135 | " |
| | 1 | x | 1 | x | 10.125 | x | 13.375 | | | | | 135 | " |
| | 1 | x | 2 | x( | 51.75 | + | 39.75 | )x | 2.5 | | | 458 | Sft |
| | 1 | x | 2 | x( | 51.75 | + | 48.75 | )x | 2.5 | | | 503 | Sft |
| | 1 | x | 4 | x | 9.5 | x | 1 | | | | | 38 | " |
| | 1 | x | 4 | x | 8.5 | x | 1.125 | | | | | 38 | " |
| | 4 | x | 2 | x | 1.25 | x | 1.5 | | | | | 15 | " |
| | 1 | x | 9 | x | 7.5 | x | 1 | | | | | 68 | " |
| | 1 | x | 9 | x | 6.5 | x | 1.25 | | | | | 73 | " |
| | 9 | x | 2 | x | 1.25 | x | 1.5 | | | | | 34 | " |
| | 1 | x | 1 | x | 18.5 | x | 2 | | | | | 37 | " |
| | 1 | x | 1 | x | 10 | x | 2 | | | | | 20 | Sft |
| | | | | | | | | | | **Total** | | **30166** | **Sft** |

***D/d***

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | x | 7.25 | x | 8.5 | | 62 | Sft |
| 1 | x | 7.5 | x | 8.5 | | 64 | Sft |
| 1 | x | 7.75 | x | 8.5 | | 66 | " |
| 1 | x | 6.875 | x | 8.5 | | 58 | " |
| 1 | x | 5 | x | 7 | | 35 | " |
| 4 | x | 1.75 | x | 3 | | 21 | " |
| 10 | x | 3.5 | x | 5.5 | | 193 | " |
| 2 | x | 5 | x | 8.5 | | 85 | " |
| 12 | x | 7.75 | x | 6 | | 558 | " |
| 2 | x | 3 | x | 8 | | 48 | " |
| 2 | x | 3 | x | 2.75 | | 17 | " |
| 2 | x | 4 | x | 7 | | 56 | Sft |
| 1 | x | 9.25 | x | 10 | | 93 | Sft |
| 7 | x | 6 | x | 6 | | 252 | " |
| 1 | x | 5 | x | 8.5 | | 43 | " |
| 5 | x | 4 | x | 5.5 | | 110 | " |
| 1 | x | 4 | x | 2 | | 8 | " |
| 4 | x | 4 | x | 5.5 | | 88 | " |
| 6 | x | 6 | x | 6 | | 216 | " |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 5 | x | 3 | x | 2 | 30 | " |
| | 1 | x | 7 | x | 8.5 | 60 | " |
| | 18 | x | 6 | x | 6 | 648 | " |
| | 10 | x | 4 | x | 5.5 | 220 | Sft |
| | 10 | x | 4 | x | 2 | 80 | Sft |
| | 1 | x | 5 | x | 8.5 | 43 | " |
| | 2 | x | 9.25 | x | 15 | 278 | " |
| | 4 | x | 8.25 | x | 15 | 495 | " |
| | 1 | x | 51.625 | x | 15 | 774 | " |
| | 1 | x | 52 | x | 15 | 780 | " |
| Gyni block | 4 | x | 6 | x | 5.5 | 132 | Sft |
| | 4 | x | 4 | x | 5.5 | 88 | Sft |
| | 5 | x | 4 | x | 3 | 60 | " |
| | 1 | x | 15.875 | x | 8.5 | 135 | " |
| | 1 | x | 18.5 | x | 2 | 37 | " |
| | 1 | x | 7.75 | x | 8.5 | 66 | " |
| | 1 | x | 10.75 | x | 2 | 22 | " |
| | 1 | x | 19.75 | x | 1.625 | 32 | " |
| | 1 | x | 10.75 | x | 1.625 | 17 | " |
| | 1 | x | 12.875 | x | 1 | 13 | " |
| | 1 | x | 5.75 | x | 1 | 6 | " |
| Dylasis block | 4 | x | 6 | x | 5.5 | 132 | Sft |
| | 4 | x | 4 | x | 5.5 | 88 | Sft |
| | 5 | x | 4 | x | 3 | 60 | " |
| | 1 | x | 15.875 | x | 8.5 | 135 | " |
| | 1 | x | 18.5 | x | 2 | 37 | " |
| | 1 | x | 7.75 | x | 8.5 | 66 | " |
| | 1 | x | 10.75 | x | 2 | 22 | " |
| | 1 | x | 19.75 | x | 1.625 | 32 | " |
| | 1 | x | 10.75 | x | 1.625 | 17 | " |
| | 1 | x | 12.875 | x | 1 | 13 | " |
| | 1 | x | 5.75 | x | 1 | 6 | Sft |
| | | | | | **Total** | **6697** | **Sft** |
| | | | | | **Net** | **23469** | **Sft** |
| | | | | | @ | **4,651.30** | **%Sft** |

**Rs. 1091614/-**

**28** Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape ) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ver opening grill | 4 | x | 3.5 | x | 6.75 | 95 | Sft |
| | 2 | x | 6 | x | 3.75 | 45 | " |
| | 2 | x | 3.33 | x | 5.5 | 37 | " |
| | 2 | x | 3 | x | 7 | 42 | Sft |
| | 4 | x | 4 | x | 5.5 | 88 | " |
| | 19 | x | 3.5 | x | 5.5 | 366 | " |
| | 19 | x | 3.5 | x | 4 | 266 | " |
| | 2 | x | 3 | x | 8 | 48 | " |
| | 11 | x | 7.83 | x | 6 | 517 | Sft |
| | 1 | x | 7.16 | x | 6 | 43 | " |
| | 1 | x | 7 | x | 7 | 49 | " |
| | 2 | x | 4.16 | x | 6 | 50 | " |
| | 3 | x | 4 | x | 5.5 | 66 | " |
| | 2 | x | 4 | x | 8 | 64 | " |
| | 2 | x | 5.875 | x | 6 | 71 | " |
| | 2 | x | 5.875 | x | 6 | 71 | Sft |
| | 2 | x | 4.33 | x | 7 | 61 | " |
| | 2 | x | 7 | x | 8.5 | 119 | " |
| | 12 | x | 6.16 | x | 6 | 444 | " |
| | 5 | x | 6.16 | x | 6 | 185 | " |
| | 4 | x | 4 | x | 8 | 128 | " |
| | 4 | x | 6 | x | 6 | 144 | " |
| | 1 | x | 5.625 | x | 6 | 34 | Sft |
| | 2 | x | 6 | x | 5.5 | 66 | " |
| | | | | | **Total** | ~~**8099**~~ **760** | **Sft** |
| | | | | | @ | ~~**168.30**~~ **686** | **P.Sft** |

wire gauge Raw Expand
148.50 + 340 + 200 = 686

**Rs. 521562/-**

**29** Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., compl ete i n al l r espects:

*i* On interior surface (without mastic strip)

① Cast iron rain water down pipe fixed in RCC/Brick/Concrete
Includes & shows but the Painting & clamps etc.

a) 4" dia (10cm) C.I down pipe

$3 \times 14 = 42 - mt$

b) 318.25/mt = 13786/-

② Rain water Down pipe C.I head fixed in Place in The RCC
& clamp Hold fast & fitting

1×30 = 30-Nos

c) = 858.6/E = 25788/-

③ Shows Brands of Asters for C.I rain water down pipe inc fixing & fitting

1×30 = 30 Nos

c) 473.45/E. = 14204/-

| | | | | | |
|---|---|---|---|---|---|
| 6 | x | 12 | | 72 | Rft |
| 2 | x | 8 | | 16 | Rft |
| 4 | x | 12 | | 48 | Rft |
| 2 | x | 8 | | 16 | Rft |
| 4 | x | 12 | | 48 | Rft |
| 1 | x | 8 | | 8 | Rft |
| | | | **Total** | **208** | **Rft** |
| | | | **@** | **148.4** | **P.Rft** |

**Rs. 30867/-**

**ii** On exterior surface (with mastic strip)

| | | | | | |
|---|---|---|---|---|---|
| 8 | x | 12 | | 96 | Rft |
| | | | **Total** | **96** | **Rft** |
| | | | **@** | **156.8** | **P.Rft** |

**Rs. 15053/-**

**30** Providing embeding 10" (250 mm) wide ⅛" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof sl ab compl ete i n al l r espects

| | | | | | |
|---|---|---|---|---|---|
| 1 | x | 59 | | 59 | Rft |
| 1 | x | 50.5 | | 50.5 | Rft |
| 1 | x | 54 | | 54 | Rft |
| | | | **Total** | **164** | **Rft** |
| | | | **@** | **282.9** | **P.Rft** |

**Rs. 46254/-**

**31** Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 702 | x | 88 | / | 100 | | 618 | Cft |
| | | | | **Total** | **618** | | **Cft** |
| | | | | **@** | **12,161.8** | | **%Cft** |

**Rs. 75160/-**

**32** Providing and laying of Lead Linning as per aproved design & approved completed in all respect and as approved by the Engineer incharge.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| x-ray Room | | | | | | | | | | |
| Foor and | | | | | | | | | | |
| Ceilling | | 2 | x | 16 | x | 20 | | | 640 | Sft |
| " | 1 | x | 2 | x( | 16 | + | 20 | )x | 12 | 864 | Sft |
| | | | | | | | | **Total** | **1504** | **Sft** |
| | | | | | | | | **@** | **2,600.00** | **P Sft** |

**Rs. 3910400/-**

**33** Supply and installation of Clip-in tile (0.6 mm -0.7 mm thick )non-porous alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. (a) Sharp edges & flange19.5 mm
(iii)600 mmX 600 mm

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| OPT Block | 1 | x | 18 | x | 20 | | 360 | Sft |
| | 1 | x | 18 | x | 14 | | 252 | Sft |
| | | | | | | **Total** | **612** | **Sft** |
| | | | | | | **@** | **945.00** | **P Sft** |

Rs. 578340/-

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| OPT Block | 1 | x | 18 | x | 20 | | 360 | Sft |
| | 1 | x | 18 | x | 14 | | 252 | Sft |
| | | | | | | **Total** | **612** | **Sft** |
| | | | | | | **@** | **1,134.00** | **P Sft** |

**Rs. 694008/-**

**35** Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation) 2mm thick

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OPT Block | 1 | x | 2 | x( | 18 | + | 20 | )x | 12 | 912 | Sft |
| | 1 | x | 2 | x( | 18 | + | 14 | )x | 12 | 768 | Sft |
| | | | | | | | | | **Total** | **1680** | **Sft** |
| | | | | | | | | | @ | **1,890.00** | **P Sft** |

Rs. 3175200/-

**36** Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

| | | | | | |
|---|---|---|---|---|---|
| 350 | x | 5 | 1750 | Rft | |
| | | | **Total** | **1750** | **Rft** |
| | | | @ | **450.0** | **P.Rft** |

Rs. 787500/-

**37** Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| OPT door | 2 | x | 5 | x | 5 | 50 | Sft |
| column | 1 | x | 6 | x | 5 | 30 | Sft |
| column | 8 | x | 6 | x | 5 | 240 | Sft |
| | | | | | **Total** | **320** | **Sft** |
| | | | | | @ | **1,596.0** | **P.Sft** |

Rs. 510720/-

31361288
Total =
Add 3% Contingency = Rs. ~~32730080/-~~ 940839
Say Total = Rs. ~~32730100/-~~ 32302127
Say = 32302100

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
Buildings Sub Division,
Hasilpur

Sub Engineer

REVISED ROUGH COST ESTIMATE FOR THE PROVISION OF INTERNAL ELECTRIFICATION (CONCEALED WIRING) IN T.H.Q HOSPITAL HASILPUR DISTRICT BAHAWALPUR

**Abstract of Cost**

| Sr. No. | Description of Items | Plinth Area | Rates (Rs./Sft) | | | | Total (Rs.) | Unit | Amount (Rs.) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | B.P | E.I | P.H | Sui Gas | | | | |
| 1 | **Old Building** | | | | | | | | | |
| i | O.D.B | 8574 Sft | | 227 | | | 227 | P. Sft | 1946298 | Based on Plinth Area Rate 2nd-Bi-2022 |
| | | | | | | | **Total "A"** | | **1946298** | |

**Say** 1946300

**Or** **1.946 (M)**

Sub Divisional Officer,
Buildings Sub Division
Hasilpur.

Sub Engineer

## REVISED ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL TEHSILE HASILPUR DISTRICT BAHAWALPUR.

## O.D.B, In.D.B, OPT.B, Labour Room Block, Specilist Block, Dylasis Block

### INTERNAL SANITARY INSTALLATION

1 P/F glazed earthen ware WC orrisa pattern with foot rest. I/c P-trap 4" glazed White

= 14 No.
Total 14 No.
@ 2523.85 Each Rs: 35334 /-

2 Providing and fitting glazed earthen ware wash hand basin 22"x16" i.e. bracket set waste pipe and waste coupling etc. Under Counter Vani ty Basi n

= 20 No.
Total 20 No.
@ 7347.45 Each Rs: 146949 /-

3 Provision of vanity counters

= 20 No.
Total 20 No.
@ 31648.00 Each Rs: 632960 /-

(Detail Attached)

4 Providing and fitting Europeon Coupled set of Water Closet(WC) and flushing Cistern of PORTAbr and(full si ze) i/c the cost of CP/rubber connection,thimble, seat coverand rawalbolts complete in allr espectsas approved and directed by the Engineer Incharge

= 4 No.
Total 4 No.
@ 20022.90 Each Rs: 80092 /-

5 Providing and fixing CP bathRoomSetmadeof Sonex/M aster /Fai sal consisting of 3-NoTeestopcocks,l ever typeBasi nM i x er ,doubl eBib Cock, Chrom plated wal lshower, Muslimshower ,wastecoupl i ngandbottletr ap etc. complete in al l r espect asapprovedand di r ectedbythe Engi neer i nch:

(v) Muslim shower

= 4 No.
Total 4 No.
@ 2219.00 Each Rs: 8876 /-

6 Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallon) capacity, including bracket set, copper connection, etc. complete (i) Coloured

= 14 No.
Total 14 No.
@ 2666.30 Each Rs: 37328 /-

7 Providing and fixing chromium plated bib cock 1.5 cm (½").

= 6 No.
Total 6 No.
@ 777.20 Each Rs: 4663 /-

8 Providing and fixing chromium plated tee stop cock 15mm (½").

= 10 No.
Total 10 No.
@ 957.20 Each Rs: 9572 /-

9 Providing and fixing CP bath Room Set made of Sonex /Master/Faisal comprising of 3-NoTee stop cocks, lever type Basin Mixer ,double Bib Cock,open wall shower, Muslim shower ,waste coupling and bottle trap etc. completein all respect as approved and directed by the Engineer incharge.

= 17 No.
Total 17 No.
@ 33053.00 Each Rs: 561901 /-

10 Providing and Fixing C.P Elbow Action for use in Scrub in Operation Theathers best quality complete in all respect as approved by the engineer incharge

= 3 No.
Total 3 No.
@ 18500.00 Each Rs: 55500 /-

11 Providing and fixing glazed earthen ware sink, including bracket set, waste pipe and waste coupling
60x45 cm (24"x18")

= 4 No.
Total 4 No.
@ 3196.15 Each Rs: 12785 /-

12 Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12")

= 21 No.
Total 21 No.
@ 1104.85 Each Rs: 23202 /-

13 Providing and fixing BATHROOM ACCESSORIES (7-pi ece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i /c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.

= 17 No.
Total 17 No.
@ 7600.00 Each Rs: 129200 /-

14 Providing, fixing, testing and commissioning of µ- PVC (Unplasticized polyvinyl Chloride) Nikasi/waste pipe make of dadex /Popular/Beta/BBJ plain /sock et ended conformi ng to code EN-1401of specified SDR ( Standar d Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engi neer Incharge Type (SDR 32.5/SN-8)

i)4" (110 mm)

= 270 Rft
Total 270 Rft
@ 260.70 Rft Rs: 70389 /-

ii)3" (85 mm )

= 200 Rft
Total 200 Rft
@ 163.85 Rft Rs: 32770 /-

15 Providing,fixing, testing and commissioning of µ- PVC (Unplasticized polyvinyl Chloride ) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conformi ng to code EN-140 1ncluding the cost of Sol vents completein all respect as approved and directed by the Engineer Incharge.
( c' ) Vent Cowel
ii) 3" dia

= 20 No.
Total 20 No.
@ 223.80 Each Rs: 4476 /-

16 Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER( PPRC) water supply pipe made of ( Dadex /Popular/ Beta/ BBJ)withspecified pressure rating PN.( PRESSURE NOMINAL)and conforming to DIN8077-8078 code i/c costofsol vent, specials,mak ingjharriescompl etein all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned (PN-20 pipe)

| | | | | |
|---|---|---|---|---|
| i) | 25 MM Dia | = | 800 Rft | |
| | | Total | 800 Rft | |
| | | @ | 66.60 P.Rft | 53280 /- |
| ii) | 32 MM Dia | = | 250 Rft | |
| | | Total | 250 Rft | |
| | | @ | 107.05 P.Rft | 26763 /- |
| Iii) | 40 MM Dia | = | 200 Rft | |
| | | Total | 200 Rft | |
| | | @ | 161.45 P.Rft | 32290 /- |

17 Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal /Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.

| | | | | |
|---|---|---|---|---|
| | 3/4" | = | 13 Nos. | |
| | | Total | 13 Nos. | |
| | | @ | 1447.20 Each | 18814 /- |

| | |
|---|---|
| **Total:** | 1,977,144 /- |
| Add 3% contingency | 59314 |
| Say: | ~~1,977,100~~ /- |
| Total | = 2036458 |
| Say = | 2036500 |

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
Buildings Sub Division ,
Hasilpur

Sub Engineer

# Rate Analysis of Vanity Counter



MRS 2nd Bi-Annual 2022

1 Pacca brick work with cement sand mortar in G.F.i) Ratio 1:6

| | | | | | |
|---|---|---|---|---|---|
| 2 | x2 | x 3/8 | x3 | = 5 Cft. | |
| | | | Total. | = 5 Cft. @Rs.30913.0%Cft | Rs. 1546/- |

2 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C roof slabs only, upto 20' height.1:2

| | | | | | |
|---|---|---|---|---|---|
| slab | 1 | x2-1/4 | x2 | = 5 Sft. | |
| | | | | = 5 Sft. @ 3762.55%8ft | Rs. 188/- |

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

| | | | | | |
|---|---|---|---|---|---|
| 1 | x3 | x2 | x 1/4 | = 2 Cft. | |
| | | | Total | 2 Cft. @ 559.20P.Cft | Rs. 1118/- |

4 Fabrication of mild steel reinforcement i/c cutting, bonding, laying in position i/c cost of binding wire its labour charges also removal of rust from bars. (b) Deformed bars (Grade-40)

| | | | | | |
|---|---|---|---|---|---|
| 1 | x2 | 6.75 | 0.454 | = 6 Kgs. | |
| | | | Total | 6 Kgs. @ 31460.05 %Kgs | Rs. 1888/- |

5 Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

| | | | | | |
|---|---|---|---|---|---|
| 1 | x2 | x88 | / 100 | = 2 cft. | |
| | | | | = 2 cft. @ 12161.75%Cft | Rs. 243/- |

6 Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, completein all respect as approved and directed by the Engineer Incharge
i) 3/4" thick

| | | | | | |
|---|---|---|---|---|---|
| 1 | x3 | x2 | | = 6.00 Sft. | |
| | | | Total | 6.00 Sft. @ 1310.70 P.Sft | Rs. 7864/- |

7 Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carbor and amdiscas approved and directed by the Engineer Incharge.

| | | | | | |
|---|---|---|---|---|---|
| 1 | x3 | | | = 3.00 Rft | |
| 2 | x2 | | | = 4.00 Rft | |
| | | | Total | 7.00 Rft @ 25.90 P.Rft | Rs. 181/- |

8 Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling ofinternal edgeasapprovedand directed by the Engineer Incharge.

| | | | | | |
|---|---|---|---|---|---|
| | | | | = 1.00 Job | |
| | | | Total | 1.00 Job, @ 711.60 Each | Rs. 712/- |

9 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size,Color and Shade with adhesive/bond over1/2" thick(1:2) cement plaster i/c the cost of and seal erfor finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.i) Full body Glazed Tile (ii) 600mm x600 mm

| | | | | | |
|---|---|---|---|---|---|
| 2 | x2 | x2 | x3 | = 24 Sft | |
| | | | Total | ~~24.00 Sft. @ 341.90 P.Sft~~ | ~~Rs. 8206/-~~ |

10 Providing and fixing water proof almirah shutters consisting of 15mm thick both side PVC Coated Foam Board sheet shutter with stainless steel golla 15mm wide aroun[illegible] on PVC CoatedFoam Frame with full stainless steel hinges stainless steel [illegible] lock & catcher, screws, rawal plug, complete.

| | | | | | |
|---|---|---|---|---|---|
| 1 | x1 | x2-1/4 | x3 | = 7 Sft | |
| | | | Total | 7.00 Sft. @ 1386.00 P.Sft | ~~Rs. 9702/-~~ |

Total. ~~Rs. 31648/-~~ 12007/-

Sub Engineer

*Executive Engineer*
Buildings Division No.02,
Bahawalpur.

*Sub Divisional Officer*
Buildings Sub Division,
Hasilpur

# "CONSTRUCTION OF RAMP

MRS 2nd Bi-Annual 2022

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

| | | | | | |
|---|---|---|---|---|---|
| 2 | x10 | x1-1/2 | x 3/4 | = 23 Cft. | |
| 1 | x2-1/2 | x1-1/2 | x 3/4 | = 3 Cft. | |
| | | | Total | 26 Cft. @ 10712.60%oCft | Rs. 279/- |

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

| | | | | | |
|---|---|---|---|---|---|
| 2 | x10 | x1-1/2 | x 1/2 | = 15 Cft. | |
| 1 | x2-1/2 | x1-1/2 | x 1/2 | = 2 Cft. | |
| | | | Total | 17 Cft. @ 8903.40%Cft | Rs. 1514/- |

3 Pacca brick work with cement sand mortar in foundation and plinth.i) Ratio 1:6

| | | | | | |
|---|---|---|---|---|---|
| 2 | x10 | x 3/4 | (.75+2.25)/2 | = 23 Cft. | |
| 1 | x2-1/2 | x 3/4 | x 3/4 | = 1 Cft. | |
| | | | Total. | = 24 Cft. @Rs.28698.00%Cft | Rs. 6744/- |

4 Filling, watering and ramming earth under floors:-with surplus earth from foundation, etc

| | | | | | |
|---|---|---|---|---|---|
| Take 2/3 of It.No.1 | 26 | x 2/3 | | = 17 Cft | |
| | | | Total. | = 17 Cft. @Rs.5107.85%oCft | Rs. 87/- |

wi th new ear th ex cav ated f r om outsi de lead upto 1-mile

| | | | | | |
|---|---|---|---|---|---|
| 1 | x10 | x2-1/2 | (0+1.5)/2 | = 19 Cft. | |
| D/d surplus earth | | | | = 17 Cft | |
| | | | Total. | = 2 Cft. @Rs.16014.50%oCft | Rs. 32/- |

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

| | | | | | |
|---|---|---|---|---|---|
| 1 | x2 | x10 | (0+2)/2 | = 20 Sft. | |
| | | | | = 20 Sft. @ 3285.45%Sft | Rs. 657/- |

6 Supplying and filling sand under floor or plugging in wells.

| | | | | | |
|---|---|---|---|---|---|
| 1 | x10 | x2-1/2 | x 1/4 | = 6 Cft. | |
| | | | Total. | = 6 Cft. @Rs.2824.60%Cft | Rs. 169/- |

7 Providing laying watering and ramming brick ballast 1½" to 2" gauge mixed with 25% sand for floor foundation complete in all respects.

| | | | | | |
|---|---|---|---|---|---|
| 1 | x10 | x2-1/2 | x 1/4 | = 6 Cft. | |
| | | | Total. | = 6 Cft. @Rs.9297.20%Cft | Rs. 558/- |

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

| | | | | | |
|---|---|---|---|---|---|
| 1 | x10 | x4 | x 0.08 | = 3.00 Cft. | |
| | | | Total | 3.00 Cft. @ 38219.00%Cft | Rs. 1147/- |

9 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" hick(1:3)cement plaster i/c the cost of seal er for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Inchargee. ~~(Non-Skid Chequred Tiles) 300mmx300mm~~

| | | | | | |
|---|---|---|---|---|---|
| 1 | x10 | x4 | | = 40.00 Sft. | |
| | | | Total | 40.00 Sft. @ ~~212.95P.Sft~~ | Rs. ~~8518/-~~ |

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/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

| | | | | | |
|---|---|---|---|---|---|
| 2 | x10 | | | = 20.00 Rft. | |
| | | | Total | 20.00 Rft. @ 2368.45P.Rft | Rs. 47369/- |

11 Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

1 x3 x88 / 100 = 3 cft.

= 3 cft. @ 12161.75%Cft Rs. 365/-

Total. Rs. 67439/

Add 3% Contingency

Says: Rs. 67100/-

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
Buildings Sub Division,
Hasilpur

Sub Engineer

# Revamping of Medicene Store in THQ Hospital Hasilpur

MRS 2nd Bi-Annual 2022

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

| | | | | | |
|---|---|---|---|---|---|
| D/wall | 1 x14 | x2-1/2 | x1-1/2 | = 53 Cft. | |
| | 1 x7 | x2-1/2 | x1-1/2 | = 26 Cft. | |
| | | | **Total** | **79 Cft. @ 10712.60%oCft** | **Rs. 846/-** |

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

| | | | | | |
|---|---|---|---|---|---|
| D/wall | 1 x14 | x1-1/2 | x 1/2 | = 11 Cft. | |
| | 1 x7 | x1-1/2 | x 1/2 | = 5 Cft. | |
| | | | **Total** | **16 Cft. @ 8903.40%Cft** | **Rs. 1425/-** |

3 Pacca brick work with cement sand mortar in foundation and plinth.Ratio 1:6

| | | | | | |
|---|---|---|---|---|---|
| D/wall | 1 x14 | x1-1/2 | x 1/4 | = 5 Cft. | |
| | 1 x14 | x1-1/8 | x 1/4 | = 4 Cft. | |
| | 1 x14 | x 3/4 | x1 | = 11 Cft. | |
| | 1 x7 | x1-1/2 | x 1/4 | = 3 Cft. | |
| | 1 x7 | x1-1/8 | x 1/4 | = 2 Cft. | |
| | 1 x7 | x 3/4 | x1 | = 5 Cft. | |
| | | | **Total.** | = **30 Cft. @Rs.28698.00%Cft** | **Rs. 8609/-** |

4 Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coati ng :) with one coat bitumen and one coat polythene sheet 500gauge ) 1½" thick (40 mm

| | | | | | |
|---|---|---|---|---|---|
| D/wall | 1 x14 | x 3/4 | | = 11 Sft | |
| | 1 x7 | x 3/4 | | = 5 Sft | |
| | | | **Total.** | = **16 Sft** | |
| D/d | 2 x4 | x 3/4 | | = 6 Sft | |
| | | | **Total.** | = **6 Sft** | |
| | | | **Net Total.** | = **10 Sft @Rs.8664.75%Sft** | **Rs. 866/-** |

5 Pacca brick work with cement sand mortar in G.F.i) Ratio 1:6

| | | | | | |
|---|---|---|---|---|---|
| D/wall | 1 x14 | x 3/4 | x12 | = 126 Cft. | |
| | 1 x7 | x 3/4 | x12 | = 63 Cft. | |
| | | | **Total.** | = **189 Cft.** | |
| D/d | 2 x4 | x 3/4 | x7 | = 42 Cft. | |
| | | | **Total.** | = **42 Cft.** | |
| | | | **Total.** | = **147 Cft. @Rs.30913.00%Cft** | **Rs. 45442/-** |

6 Rehandling of earthwork Lead upto a si ngle throw of Kassi , phaorah or shovel

| | | | | | |
|---|---|---|---|---|---|
| Take 2/3 of It.No.1 | 79 | x 2/3 | | = 53 Cft | |
| | | | **Total.** | = **53 Cft. @Rs.2547.60%oCft** | **Rs. 135/-** |

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

| | | | | | |
|---|---|---|---|---|---|
| D/wall | 1 x2 | x14 | x12 | = 336 Sft. | |
| | 1 x2 | x7 | x12 | = 168 Sft. | |
| | | | | = **504 Sft. @ 3285.45%Sft** | **Rs. 16559/-** |

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

| | | | | | |
|---|---|---|---|---|---|
| | 2 x5 | x 3/4 | x 1/2 | = 4 Cft. | |
| | | | **Total** | **4 Cft. @ 559.20P.Cft** | **Rs. 2237/-** |

9 Fabrication of mild steel reinforcement i/c cutting, bonding, laying in position i/c cost of binding wire its labour charges also removal of rust from bars. (b)

Deformed bars (Grade-40)

| | | | | | |
|---|---|---|---|---|---|
| | 1 x4 | 6.75 | 0.454 | = 12 Kgs. | |
| | | | **Total** | **12 Kgs @ 31460.05 %Kgs** | **Rs. 3775/-** |

11 Provi di ng and fi xi ng 1½" (40 mm) thi ck deodar wood panelled or panelled and glazed, doors and wi ndows, wi th out mi l d steel chow k at ( f r ame ) , etc. compl ete i n al l r espects (excludi ng sli di ng bolt or lock) wi th:-M.S. angle i ron 1½" x1½" x¼" , welded (40 mmx 40 mmx 6mm) wi th M.S. f l at 2" x¼" (50 mm x 6 mm)

| | | | | | |
|---|---|---|---|---|---|
| | 2 | x4 | 7.00 | = | 56 Sft |
| | | | **Total** | **56 Sft @ 1913.00 P.Sft** | **Rs. 107128/-** |

12 Painting New surface Painting doors and windows, any typ 3-coat

| | | | | | |
|---|---|---|---|---|---|
| | 2 | x4 | x3-1/2 x7 | = | 196 Sft |
| | | | **Total** | **196 Sft @ 2770.70 %.Sft** | **Rs. 5431/-** |

13 P/F 3/4"dia heavy duty sliding bolt of speci f i ed mater i ali/c thecostof har dwar ecompl cteinal lr espectasapprovedanddi r ectedbytheEngi neer Incharge.Iron 12" (450 mm) long

| | | | | |
|---|---|---|---|---|
| | | | = | 2 No |
| | | **Total** | **2 No @ 473.50 Each** | **Rs. 947/-** |

14 Di stemper i ng:- new surface 3-coats

| | | | | | |
|---|---|---|---|---|---|
| | 1 | x2 | x14 x11-1/2 | = | 322 Sft. |
| | 1 | x2 | x7 x11-1/2 | = | 161 Sft. |
| | | | | = | **483 Sft. @ 1309.95%Sft** **Rs. 6327/-** |

15 Di stemper i ng:- old surface 2-coats after sacraping

| | | | | | |
|---|---|---|---|---|---|
| roof | 1 | x1 | x14 x12 | = | 168 Sft. |
| wall | 1 | x1 | x14 x11-1/2 | = | 161 Sft. |
| | 1 | x2 | x14 x11-1/2 | = | 322 Sft. |
| bath roof | 1 | x1 | x6 x7 | = | 42 Sft. |
| walls | 1 | x2 | x6 x6 | = | 72 Sft. |
| | 1 | x2 | x7 x6 | = | 84 Sft. |
| | | | | = | **849 Sft. @ 1480.75%Sft** **Rs. 12572/-** |

16 Painting door and window any type old surface 2-coats after cleaning old paint with oil and water

| | | | | | |
|---|---|---|---|---|---|
| | 3 | x2 | x3-1/2 x7 | = | 147 Sft. |
| | 1 | x2 | x2-1/2 x7 | = | 35 Sft. |
| winndow | 1 | x2 | x6 x6 | = | 72 Sft. |
| | | | | = | **254 Sft. @ 2028.60%Sft** **Rs. 5153/-** |

17 Dismantling cement concrete plain 1:2:4

| | | | | | | |
|---|---|---|---|---|---|---|
| bath | 1 | x6 | x7 | x 0.125 | = | 5.00 Cft. |
| | | | **Total** | | **5.00 cft. @Rs.11209.45%Cft** | **Rs. 560/-** |

18 Dismantling mud concrete.

| | | | | | | |
|---|---|---|---|---|---|---|
| bath | 1 | x6 | x7 | x 0.333 | = | 14.00 Cft. |
| | | | **Total** | | **14.00 cft. @Rs.2038.10%Cft** | **Rs. 285/-** |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| bath | 1 | x6 | x7 | x 0.333 | = | 14.00 Sft. |
| | | | **Total** | | **14.00 Sft. @Rs.9297.20%Cft** | **Rs. 1302/-** |

20 Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washi ng of stone aggregate)

| | | | | | | |
|---|---|---|---|---|---|---|
| bath | 1 | x6 | x7 | x 0.125 | = | 5.00 Cft. |
| | | | **Total** | | **5.00 cft. @Rs.38219.0%Cft** | **Rs. 1911/-** |

21 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" hick(1:3)cement plaster i/c the cost of seal er for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Inchargee.Full body Glazed Tile 600mm x600 mm

| | | | | | |
|---|---|---|---|---|---|
| | 1 | x14 | x12 | = | 168.00 Sft. |
| bath | 1 | x6 | x7 | = | 42.00 Sft. |
| | | | **Total** | **210.00 Sft. @ 341.90 P.Sft** | **Rs. 71799/-** |

22 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size,Color and Shade with adhesive/bond over1/2" thick(1:2)cement plaster i/c the cost of and seal erfor finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) Full body Glazed Tile (ii) 600mm x600 mm

*1 x 2 x( 14 + 12 )x 0.50 26 Sft*

bath

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | x | 2 | x(6 | + | 7 | )x 7 | 182 Sft | | |
| | | | | Total | | | 208.00 Sft. | @ 341.90 P.Sft | Rs. 71115/- |

23 Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

| | | | | | |
|---|---|---|---|---|---|
| 1 | x10 | x88 | / 100 | = | 9 cft. |
| 1 | x4 | x88 | / 100 | = | 4 cft. |
| 1 | x5 | x88 | / 100 | = | 4 cft. |
| | | | | = | 17 cft. @ 12161.75%Cft Rs. 2067/- |

Total. Rs. 366491/-

Says: ~~Rs. 366500/-~~ 377500

*Executive Engineer*
Buildings Division No.02,
Bahawalpur

*Sub Divisional Officer*
Buildings Sub Division ,
Hasilpur

# Revamping of Sterlaization Room in O.P.T Block

MRS 2nd Bi-Annual 2022

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) b) in ordinary soil

| | | | | | | |
|---|---|---|---|---|---|---|
| D/wall | 1 | x14 | x2-1/2 | x1-1/2 | = 53 Cft. | |
| | | | | **Total** | **53 Cft. @ 10712.60%oCft** | **Rs. 568/-** |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| D/wall | 1 | x14 | x1-1/2 | x 1/2 | = 11 Cft. | |
| | | | | **Total** | **11 Cft. @ 8903.40%Cft** | **Rs. 979/-** |

3 Pacca brick work with cement sand mortar in foundation and plinth.i) Ratio 1:6

| | | | | | | |
|---|---|---|---|---|---|---|
| D/wall | 1 | x14 | x1-1/2 | x 1/4 | = 5 Cft. | |
| | 1 | x14 | x1-1/8 | x 1/4 | = 4 Cft. | |
| | 1 | x14 | x 3/4 | x1 | = 11 Cft. | |
| | | | | **Total.** | = **20 Cft. @Rs.28698.00%Cft** | **Rs. 5740/-** |

4 Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coati ng :) with one coat bitumen and one coat polythene sheet 500gauge ) 1½" thick (40 mm

| | | | | | | |
|---|---|---|---|---|---|---|
| D/wall | 1 | x14 | x 3/4 | | = 11 Sft | |
| | | | | **Total.** | = **11 Sft @Rs.8664.75%Sft** | **Rs. 953/-** |

5 Pacca brick work with cement sand mortar in G.F.i) Ratio 1:6

| | | | | | | |
|---|---|---|---|---|---|---|
| D/wall | 1 | x14 | x 3/4 | x12 | = 126 Cft. | |
| | | | | **Total.** | = **126 Cft.** | |
| D/d service window | 1 | x3 | x 3/4 | x4 | = 9 Cft. | |
| | | | | **Total.** | = **9 Cft.** | |
| | | | | **Total.** | = **117 Cft. @Rs.30913.00%Cft** | **Rs. 36168/-** |

6 Rehandling of earthwork Lead upto a si ngle throw of Kassi , phaorah or shovel

| | | | | | | |
|---|---|---|---|---|---|---|
| Take 2/3 of It.No.1 | 53 | | x 2/3 | | = 35 Cft | |
| | | | | **Total.** | = **35 Cft. @Rs.2547.60%oCft** | **Rs. 89/-** |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| D/wall | 1 | x2 | x14 | x12 | = 336 Sft. | |
| | | | | | = **336 Sft. @ 3285.45%Sft** | **Rs. 11039/-** |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| | 1 | x4-1/2 | x 3/4 | x 1/2 | = 2 Cft. | |
| | | | | **Total** | **2 Cft. @ 559.20P.Cft** | **Rs. 1118/-** |

9 Fabrication of mild steel reinforcement i/c cutting, bonding, laying in position i/c cost of binding wire its labour charges also removal of rust from bars.
(b) Deformed bars (Grade-40)

| | | | | | | |
|---|---|---|---|---|---|---|
| | 2 | x2 | 6.75 | 0.454 | = 12 Kgs. | |
| | | | | **Total** | **12 Kgs @ 31460.05 %Kgs** | **Rs. 3775/-** |

10 Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. Or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.(220-Km from Sakhi sarwar Quarry) to hasilpur

| | | | | | | |
|---|---|---|---|---|---|---|
| | 1 | x11 | x88 | / 100 | = 10 cft. | |
| | 1 | x2 | x88 | / 100 | = 2 cft. | |
| | | | | | = **12 cft. @ 12161.75%Cft** | **Rs. 1459/-** |

## 8. ANNUAL OPERATING COST (POST COMPLETION)

**Financial Components:** Capital
**Cost Center:**OTHERS- (OTHERS)
**Fund Center (Controlling):**LE4203
**Grant Number:**Government Buildings - (PC12042)
**LO NO:**LO22010061
**A/C To be Credited:**Account-I

PKR Million

| Sr # | Object Code |
|---|---|
| **Total** | |

**Financial Components:** Capital
**Cost Center:**OTHERS- (OTHERS)
**Fund Center (Controlling):**LE4203
**Grant Number:**Government Buildings - (PC12042)
**LO NO:**LO22010061
**A/C To be Credited:**Account-I

PKR Million

| Sr # | Object Code |
|---|---|
| **Total** | |

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

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

## 9. DEMAND AND SUPPLY ANALYSIS

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

## 10. FINANCIAL PLAN AND MODE OF FINANCING

### 10.1 FINANCIAL PLAN EQUITY INFORMATION

### 10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

### 10.3 FINANCIAL PLAN GRANT INFORMATION

attached

## 8. Financial Plan and Mode of Financing

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

**Revenue Side**

(Rs.in Million)

| Year | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | Total |
|---|---|---|---|---|---|---|---|
| Funds Released | 50.000 | 23.161 | 2.896 | 2.999 | 4.510 | 7.570 | 91.136 |
| Utilization | 25.472 | 22.728 | 2.891 | 2.704 | 4.175 | 0.733 | 58.704 |

**Capital Side:**

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

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

## 10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

# 11. PROJECT BENEFITS AND ANALYSIS

## 11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

## 11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

## 11.3 PACT ANALYSIS

undefined

## 11.4 ECONOMIC ANALYSIS

Employment Generation (Director and Indirect)

Revamping of this Hospital will lead to generation of employment for highly skilled /professional staff and unskilled staff leading to reduction of unemployment. Huge employments opportunity will be created from the establishment of the project. The Medical doctors and paramedics who are trained in

this discipline or intended to specialize in this field can make maximum use of training. A large number of gazette and non-gazette posts will be available for employment directly or indirectly

## 11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

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

Ambulance charges
From other fees prescribed by Government

Impact of Delays on Project Cost and Viability

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

## 12. IMPLEMENTATION SCHEDULE

### 12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

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

### 12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

### 12.3 IMPLEMENTATION PLAN

### 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

# 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:<br>1. Project delays<br>2. Contractor claims<br>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<br>2. Performance of the Contractor has affected<br>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<br>2) Effect on quality as the Consultant supervision will not take place<br>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<br>2) Claim requests received by Contractor and Consultant | 3 | 3 | 9 | Contractor will be asked to depute fully vaccinated labor |

## 12.6 PROCUREMENT PLAN

undefined

## 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of new Health Management Structure is available in PC-I

## 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

na

## 15. CERTIFICATE

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

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## 17. RELATION WITH OTHER PROJECTS