



PC-1

Revamping of THQ Hospital, Haroonabad District Bahawalnagar

ORIGINAL APPROVED COST	PKR Million. 346.647/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Haroonabad District Bahawalnagar

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. BAHAWALNAGAR

2.2. TEHSIL(S)

I. HAROONABAD

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	GS No: 5267
3	Total Allocation: 0.000
4	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million)

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

In any hospital, the most important and critical area is its emergency block. Specially, if hospital is situated on a highway where there is a huge flux of rapidly moving traffic which can be a major source of 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 uninterrupted manner.

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

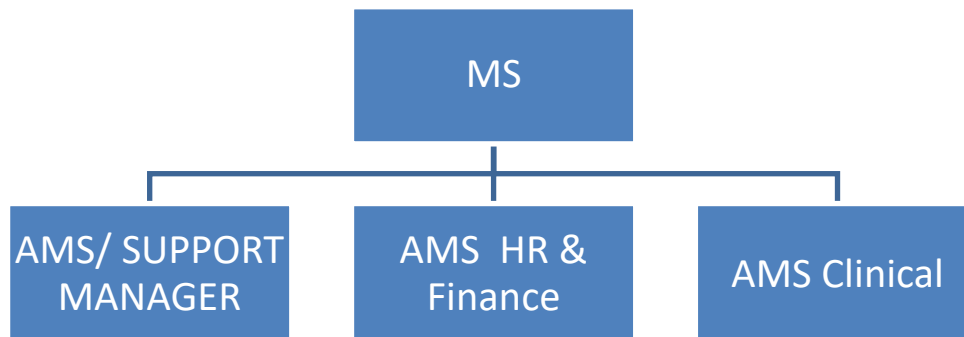
5.4.5 Security

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

5.6 HR & Management Interventions Structure

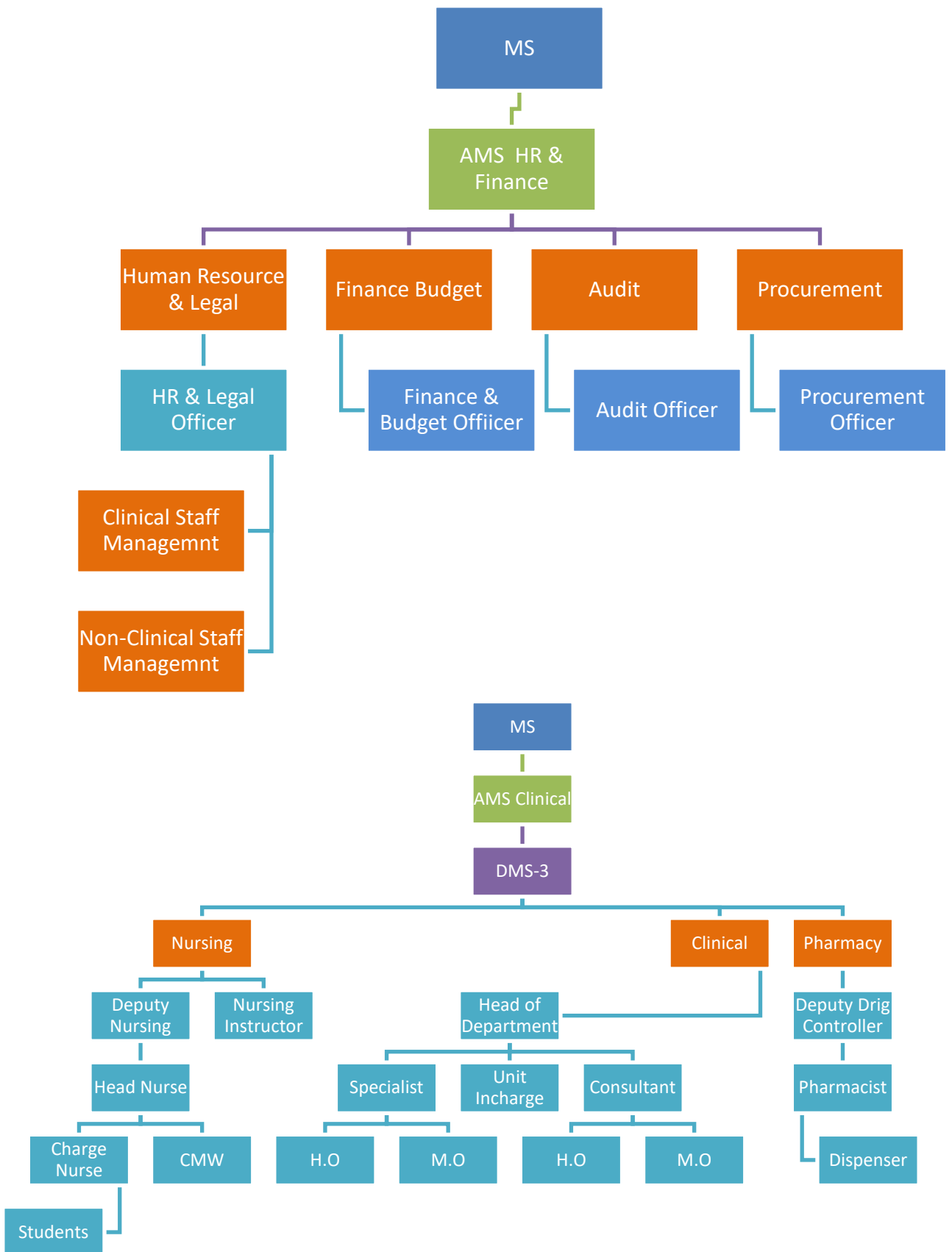
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

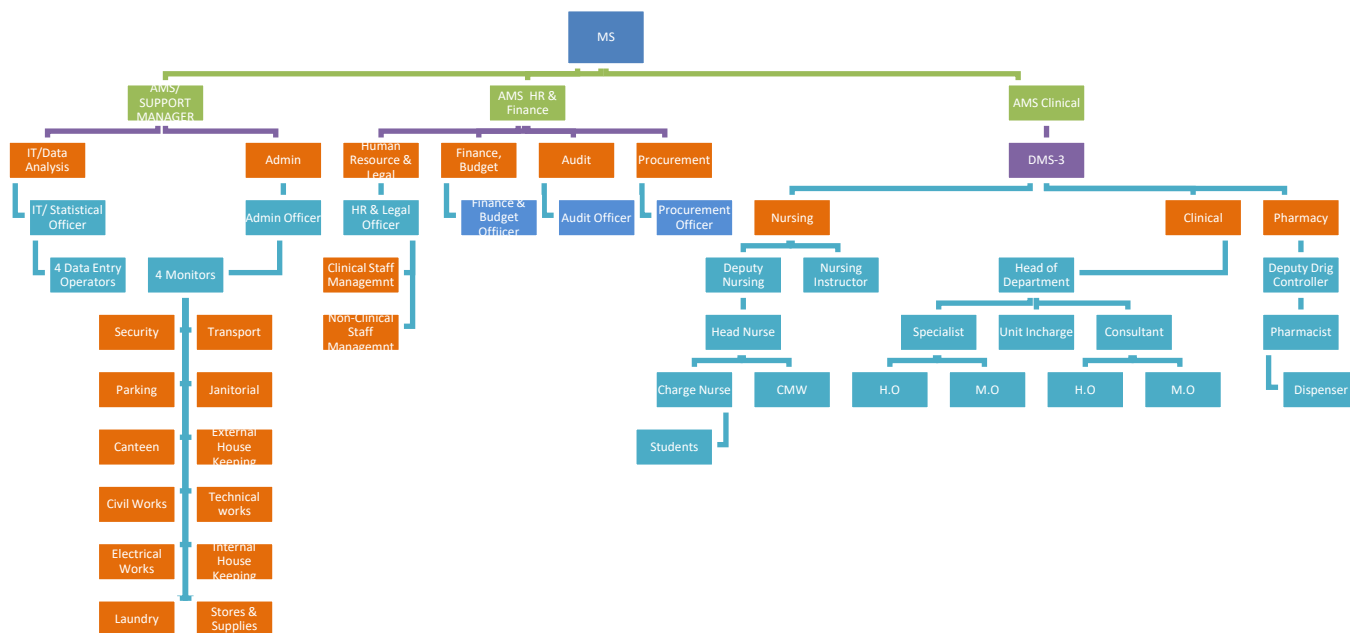
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Haroonabad District Bahawalnagar is more than 0.445 million. The area of the THQ Hospital Haroonabad District Bahawalnagar is 549,602 SFT land.

6.1 Description and Justification

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

Revamping of THQ Haroonabad District Bahawalnagar 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 unclear or polluted water is devastating for human health. A key consideration was made while selecting furniture and its compatibility with hospital grade cleaners, detergents and disinfectants. Signage is an effective interface between the user and intended facility. Effective signage promotes the healthcare facility in a patient friendly manner. Access is an important part of quality of care. A crucial aspect for patient satisfaction is their comfort levels with the facility itself i.e. a person's ease in navigating a facility, and the timeliness in receiving care. Clear and proper signage at strategic points helps patients in reaching their destination without losing much of their valuable time and saves lot of their efforts in unnecessary enquiring from persons. In this regard, the Equipment of Emergency, Bio-Medical, Non-Bio-Medical, Electricity, Signage, Janitorial, Security, Laundry, Maintenance of Generator and Horticulture have been added as per actual requirement of the Hospital. The Equipment of MSDS, IT, Furniture Fixture, Day Care Center, HR, Medical Gases, Cafeteria are fixed in all hospitals as per yardstick

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

Justification for 3rd Revision of PC-I

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

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

Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000
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Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I.

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

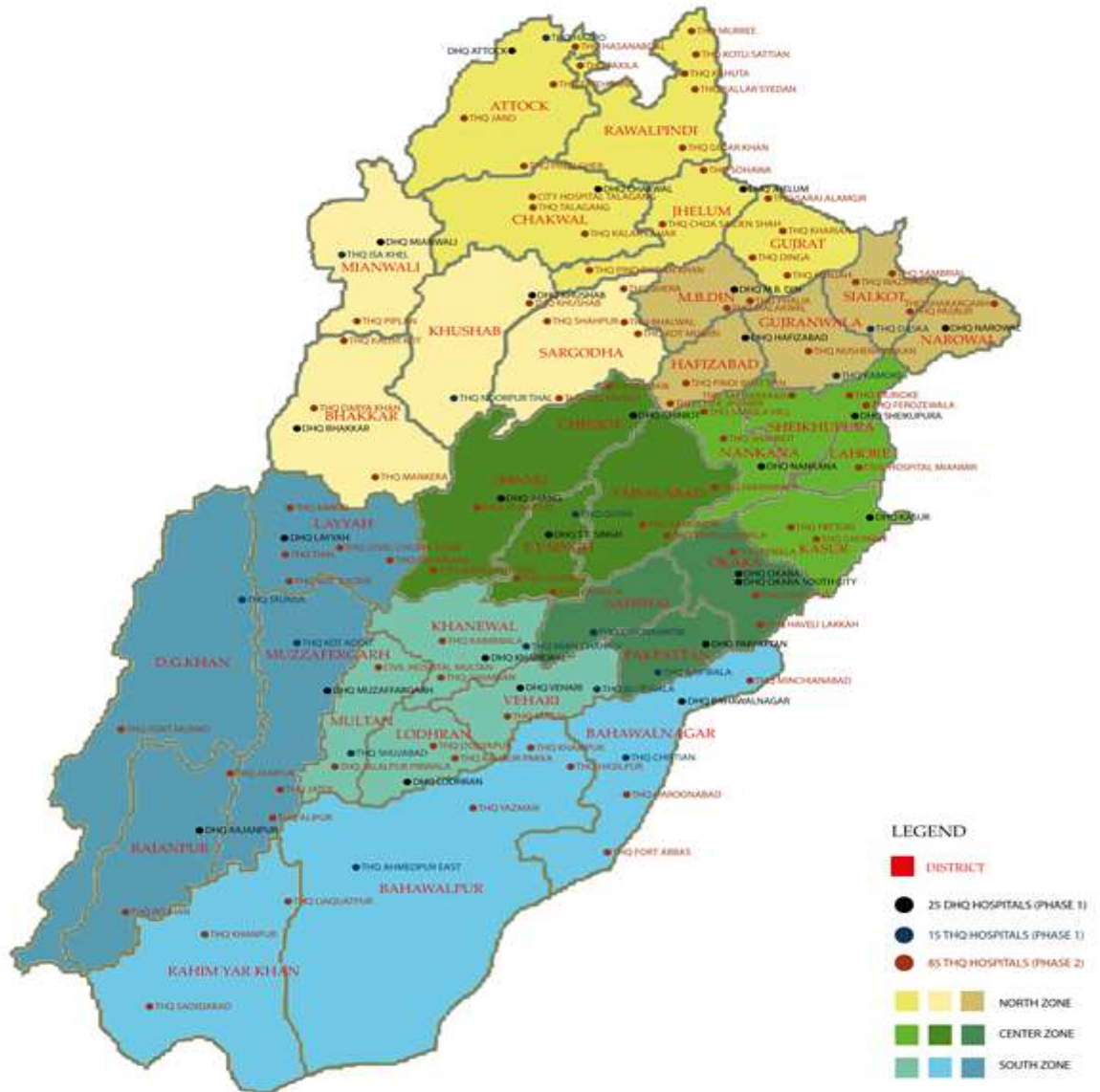
85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number:Development - (PC22036)
LO NO:LO17011144
A/C To be Credited:Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	75.213	0.000	100.000	0.000	100.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	75.213	0.000	100.000	0.000	100.000	0.000

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO21010598
A/C To be Credited:Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	31.434	0.000	40.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	31.434	0.000	40.000	0.000	0.000	0.000

Abstract of Cost															
Revamping of THQ Hospital Haroonabad															
	Original			1st Revised			2nd Revised			Amended 2nd Revised			3rd Revised		
Scope of work	Cost in million														
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component															
Internal development	0.000	26.278	26.278	0.000	26.278	26.278	7.385	10.000	17.385	8.485	10.000	18.485	48.426	10.000	58.426
External development	0.000	2.755	2.755	0.000	2.755	2.755	4.850	0.000	4.850	5.725	0.000	5.725	23.008	0.000	23.008
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	0.000	0.000	0.000
Total Capital Component	0.000	34.633	34.633	0.000	34.633	34.633	12.235	10.000	22.235	14.210	10.000	24.210	71.434	10.000	81.434
Revenue component															
Emergency	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	49.938	49.938	0.000	49.938	49.938	0.000	67.471	67.471	0.000	67.471	67.471	0.000	104.672	104.672
Electricity	0.000	19.048	19.048	0.000	19.048	19.048	0.000	29.048	29.048	0.000	29.048	29.048	0.000	45.221	45.221
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	4.337	4.337	0.000	4.337	4.337	0.000	5.980	5.980	0.000	5.980	5.980	0.000	5.980	5.980
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	37.760	37.760	0.000	37.760	37.760	0.000	53.538	53.538
LC Deficit during procurement (currency fluctuation)								1.857	1.857		1.857	1.857		1.857	1.857
Total Revenue component	0.000	128.809	128.809	0.000	128.809	128.809	0.000	183.588	183.588	0.000	183.588	183.588	0.000	265.213	265.213
Outsourcing component															
Janitorial Services	0.000	19.315	19.315	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	6.364	6.364	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.520	2.520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.865	3.865	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	6.955	6.955	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	0.000	50.066	50.066	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	213.507	213.507	0.000	163.442	163.442	12.235	193.588	205.823	14.210	193.588	207.798	71.434	275.213	346.647
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	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	0.000	2.135	2.135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Validation (TPV) (1%)	0.000	2.135	2.135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	0.000	218.124	218.124	0.000	163.442	163.442	12.235	193.588	205.823	14.210	193.588	207.798	71.434	275.213	346.647

MSDS

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

MSDS

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

Medical Equipment

			Original					1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	3	0	132,825	-	3	0	132,825	-	3	0	180,000	-	3	0	250,000	-
6		Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7		Hot air Oven	1	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	3	7	31,500	220,500	3	7	31,500	220,500	3	7	40,500	283,500	3	7	45,000	315,000
10		glass wares	0	100	0	105,000	-	100	0	105,000	-	100	0	105,000	-	100	0	105,000	-
11		Centrifuge Machine	2	2	0	149,336	-	2	0	149,336	-	2	0	250,000	-	2	0	400,000	-
12	X-Rays	Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15		Dental X-Ray	0	2	0	282,975	-	2	0	282,975	-	2	0	350,000	-	2	0	525,000	-
16		Lead apron and PPE	2	1	1	52,500	52,500	1	1	52,500	52,500	1	1	60,000	60,000	1	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	2	0	105,000	-	2	0	105,000	-	2	0	105,000	-	2	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	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	CCU	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		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 Bank	Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30		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
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	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	Nursery	Baby Cot	10	0	10	14,669	146,685	0	10	14,669	146,685	0	10	16,000	160,000	0	10	16,000	160,000
35		Phototherapy Unit	2	1	1	130,200	130,200	1	1	130,200	130,200	1	1	655,000	655,000	1	1	850,000	850,000
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	1,050,000	2,100,000
37		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	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000
41	O.T (04)	Anesthesia Machine with Ventilator	1	0	1	2,509,554	2,509,554	0	1	2,509,554	2,509,554	0	1	3,000,000	3,000,000	0	1	7,000,000	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	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45		Operation Table	1	7	0	1,426,215	-	7	0	1,426,215	-	7	0	2,000,000	-	7	0	2,500,000	-
46		Ceiling Operating Light	1	3	0	413,013	-	3	0	413,013	-	3	0	800,000	-	3	0	950,000	-
47		STEAM STERILIZER	1	3	0	3,465,000	-	3	0	3,465,000	-	3	0	4,000,000	-	3	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	2	2	21,000	42,000	2	2	21,000	42,000	2	2	23,000	46,000	2	2	23,000	46,000
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	0	1	304,220	304,220	0	1	400,000	400,000	0	1	900,000	900,000
52	Orthopedic	Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	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	Gynea (20 beds)	Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-	
57		Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	2,400,000	2,400,000	
58		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000	
59		Delivery Set	10	8	2	31,500	63,000	8	2	31,500	63,000	8	2	40,000	80,000	8	2	65,000	130,000	
60		Delivery Table	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	55,000	-	
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000	
62		D & C Set	2	9	0	34,650	-	9	0	34,650	-	9	0	40,000	-	9	0	60,000	-	
63		Vacume Extractor	1	2	0	259,350	-	2	0	259,350	-	2	0	300,000	-	2	0	350,000	-	
64		CTG Machine	1	2	0	628,049	-	2	0	628,049	-	2	0	725,000	-	2	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	0	2	304,220	608,440	0	2	304,220	608,440	0	2	400,000	800,000	0	2	900,000	1,800,000	
67		Baby Cot	2	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000	
68		Delivery trolley	2	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	200,000	-	
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	0	0	3,355,849	-	0	0	3,355,849	-	0	0	4,000,000	-	0	0	7,800,000	-	
71		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-	
72		MOBILE OPERATING LIGHT	0	2	0	285,466	-	2	0	285,466	-	2	0	400,000	-	2	0	900,000	-	
73		Suction Pump	0	7	0	259,350	-	7	0	259,350	-	7	0	275,000	-	7	0	300,000	-	
74		Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-	
75		Set of Surgical Instruments	0	4	0	141,750	-	4	0	141,750	-	4	0	160,000	-	4	0	220,000	-	
76		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 trolley With Crash Cart	5	1	4	237,618	950,473	1	4	237,618	950,473	1	4	400,000	1,600,000	1	4	600,000	2,400,000	
80		Others	BP Appratus	15	27	0	15,750	-	27	0	15,750	-	27	0	16,000	-	27	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	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83			X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84	Hand wash Scrub Double Bay		2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000	
85	Image Intensifier		0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	12,000,000	-	
86	Central Medical Gass Pipe Line System		7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-	
87	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 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	
90	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	
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	ICU	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 TROLLEY 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, paed	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	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 Unit	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	Physiotherapy unit	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 Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000
120		C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121		Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122		Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	1,404,000	1,404,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127	Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000	
128	Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500	
129	Trolleys	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000	
130	Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000	
131	Beds	Fowler beds with Mattress	60	0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	150,000	9,000,000
		Total				49,938,042				49,938,042				67,470,691				104,671,638	
						49.938				49.938				67.471				104.672	

Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	112	55,500	6,216,000	112	55,500	6,216,000	112	55,500	6,216,000	112	139,150	15,584,800
7	2 Ton air conditioners (Cabinet)	33	78,000	2,574,000	33	78,000	2,574,000	33	78,000	2,574,000	33	187,200	6,177,600
8	4 Ton air conditioners (Cabinet)	12	120,000	1,440,000	12	120,000	1,440,000	12	120,000	1,440,000	12	353,899	4,246,788
9	Ceiling Fans 56"	40	3,090	123,600	40	3,090	123,600	40	3,090	123,600	40	6,975	279,000
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"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	6,600	475,200
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	15,000,000	15,000,000	1	15,000,000	15,000,000
Total				19,047,760			19,047,760			29,047,760			45,221,388
				19.048			19.048			29.048			45.221

IT & QMS & Surveillance

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

Furniture and Fixtures

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

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	Type	Kinds of Sign Boards	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	10	10,119	101,190	10	10,119	101,190	10	13,951	139,510	10	13,951	139,510
2	A2	External Platform/Road Signage (Triangular)	10	9,257	92,570	10	9,257	92,570	10	12,762	127,624	10	12,762	127,624
3	B1	Main Directional Board	2	112,496	224,992	2	112,496	224,992	2	155,107	310,215	2	155,107	310,215
4	C1	Directional Board (Single Sheet)	12	14,454	173,448	12	14,454	173,448	12	19,929	239,148	12	19,929	239,148
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)	2	30,158	60,316	2	30,158	60,316	2	41,581	83,163	2	41,581	83,163
7	C4	Directional Board (Four Sheets)	2	37,243	74,486	2	37,243	74,486	2	51,351	102,701	2	51,351	102,701
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	7	47,206	330,442	7	47,206	330,442	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	4	41,187	164,748	4	41,187	164,748	4	56,788	227,153	4	56,788	227,153
		Internal Signage	0	-	-	0	-	-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	7	90,873	636,111	7	90,873	636,111	7	125,294	877,061	7	125,294	877,061
2	F2	Internal Hanging Signage (Main Entrance 2)	7	69,188	484,316	7	69,188	484,316	7	95,396	667,772	7	95,396	667,772
3	F3	Internal Hanging Signage (Corridor)	6	51,241	307,446	6	51,241	307,446	6	70,651	423,906	6	70,651	423,906
4	F4	Internal Hanging Signage (Corridor 2)	5	51,835	259,175	5	51,835	259,175	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	10	13,107	131,070	10	13,107	131,070	10	18,071	180,712	10	18,071	180,712
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	120	866	103,920	120	866	103,920	120	1,194	143,304	120	1,194	143,304
8	K1	Internal Wall Signage	120	1,423	170,760	120	1,423	170,760	120	1,961	235,368	120	1,961	235,368
9	L1	Room Numbers Fixed on Wall	80	3,611	288,880	80	3,611	288,880	80	4,978	398,272	80	4,978	398,272
10	M1	Advance Fire Exit Sign	15	1,837	27,555	15	1,837	27,555	15	2,534	38,010	15	2,534	38,010
11	M2	Fire Exit Sign Mounted Above the Door	15	1,271	19,065	15	1,271	19,065	15	1,753	26,292	15	1,753	26,292
12	N1	Fire Safety/Equipment Signage	25	2,434	60,850	25	2,434	60,850	25	3,357	83,930	25	3,357	83,930
13	P1	Floor Map Board	8	21,088	168,704	8	21,088	168,704	8	29,075	232,602	8	29,075	232,602
14	Q1	Caution Signage	30	2,173	65,190	30	2,173	65,190	30	2,996	89,880	30	2,996	89,880
15	Q2	Caution Signage	10	653	6,530	10	653	6,530	10	902	9,016	10	902	9,016
16	Q3	Caution Signage	15	1,143	17,145	15	1,143	17,145	15	1,576	23,646	15	1,576	23,646
17	Q4	Caution Signage	25	888	22,200	25	888	22,200	25	1,225	30,625	25	1,225	30,625
		Total			4,210,812			4,210,812			5,805,793			5,805,793
		Designing and Site Supervision			126,324			126,324			174,174			174,174
		Grand Total			4,337,136			4,337,136			5,979,967			5,979,967
					4.337			4.337			5.980			5.980

DAY CARE CENTER

Yard Stick as per Women Development Department

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

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

DAY CARE CENTER

Yard Stick as per Women Development Department

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

DAY CARE CENTER

Yard Stick as per Women Development 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
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

Sr. No.	NAME OF POST	Original				1st Revised				2nd Revised				3rd Revised				
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17,220				17,220				28,140					40,473
	Utilization of HR Component								9,620				13,06					
	Total of HR Component												37.76					53,538

Janitorial Services

	Original		From 1st Revised to onward
Assumptions			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	49,130	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	7	Persons	
Road and ROW area	114,290	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	8	Persons	
Number of washroom blocks	29	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	10	Persons	
Total sweeper in morning shift	24	Persons	
Total number of sweepers in evening shift	12	Persons	
Total number of sweepers in night shift	12	Persons	
Total number of sweepers in all shifts	48	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	48	22,000	12,786,752
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)			19,314,752

19,315

19.315

Security and Parking

		Original		From 1st Revised to onward	
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-L.</p>	
Covered area excluding residences	49,130				
Covered Area per guard	15,000				
Number of guards	3				
Open area excluding parking area	114,290				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	8				
Number of gates	2				
Number of guards at gates	4				
Total No of Guard	15				
Total number of all guards for second shift	7				
Lady Searcher	2				
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	11	21,000	231,000	2,772,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				6,463,800	
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				6,363,800	
				6.364	

Laundry Services

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

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

Maintenance of Generator

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

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

MEP

Original					From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			217,000	2,604,000	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	90	6,665	599,850	599,850	
Fridge	10	4,000	40,000	40,000	
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				1,260,850	
General Total				3,864,850	
				3.865	

Medical Gases

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

1.304

Cafeteria						
Pre-Fabrication Cateen (Procurement)						
Sr. No.	Description of work	Original				From 1st Revised to onward
		Unit	Qty	Rate (Rs)	Amount (Rs)	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 glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwiched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
Total Cost of Pre-Fabrication of Canteen Structure					3,307,052	
Total Amount (Rs)					4,532,121	
22	Electrification				998,735	
23	Plumbing and Sanitary				410,000	
24	Kitching Fixtures				802,000	
Grand Total Amount (Rs)					6,742,856	

6.743

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original			From 1st Revised to onward	
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	
1	SOFT LANDSCAPE				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.	
1.1	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	22,167	22		487,674
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	2	34,375		68,750
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	30,400	7		212,800
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	38,000	11.25		427,500
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	155	1,500	232,500	
b	Trees 12" pot 3'-4" - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, ficus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestral, Pilken, Palms etc.	No's	36	270	9,720	
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	150	600	90,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagress, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	13,818	69	953,442	
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	2,171	195	423,345	
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	14,757	12	177,084	
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	18	3,675	66,150	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	24	1,800	43,200	
1.8	CREEPERS					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	74	195	14,430	
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	3040	150	456,000	
2.2	BENCHES					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	14	14,698	205,772	
2.3	DUSTRINS					

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	9	27,700	249,300
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	13	3,850	50,050
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	76,000	9.00	684,000
4	CONSTRUCTION OF PLANTERS				
	Large Size				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	296	550	162,800
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	38	550	20,900
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	71	550	39,050
5	GAZEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
	Total Amount of - Landscaping				5,909,406
	PRA(16%)				945,505
	Design Consultancy				100,000
	Grand Total				6,954,911
					6.955

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/

3122

/Dev. Dated 7.11.2022

Subject:


**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME
REVAMPING OF ALL THQ HOSPITAL IN PUNJAB ONE AT
THQ HOSPITAL HAROONABAD DISTRICT
BAHAWALNAGAR" ADP NO.658 FOR THE YEAR 2022-23.**

71.434(M)

~~66.843(M)~~ Please find enclosed copy of Revised Rough Cost Estimate amounting to
Rs.75.170(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 for the work yet to be allotted.

DA/As Above.


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

Endst: No.

/Dev, Dated .11.2022.

A copy is forwarded for information to:-

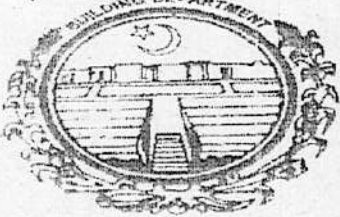
- 1 The Superintending Engineer, Buildings Circle, Bahawalpur for information with reference to his letter No.2054/DB, dated 29.10.2022.
- 2 The Executive Engineer, Buildings Division, Bahawalnagar.
- 3 The Chief Draftsman (Local).

DA/Nil.

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

2

PUNJAB BUILDINGS DEPARTMENT



BAHAWALNAGAR.

PROVICE

PUNJAB

DISTRICT

BAHAWALNAGAR

DIVISION

BUILDINGS DIVISION, BAHAWALNAGAR.

SUB DIVISION

BUILDINGS SUB DIVISION, HAROONABAD.

NAME OF WORK

REVISED ROUGH COST ESTIMATE FOR THE WORK
REVAMPING OF THQ HOSPITAL HAROONABAD

ESTIMATED COST

71.434 (M)
~~56.843 (M)~~
75.170
Rs. 74.240/- (M)

(3)

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL AT HAROONABAD.

HISTORY.

The Govt of Punjab primary and Secondary Healthcare Department has Launched a Programme " **Revamping of DHQ/THQ Hospitals**" throughout the province. The basic purpose of this programme to improve the infrastructure of these Hospitals to facilitate the Public. Administrative Approval was Issued on 1st Bi-annual 2022 by Worthy Secretary P&SHD vide his letter No. ~~POL-D-11~~ ^{237/2021} Dated: 21-01-2022. Work was Alloted to the Contractor vide letter No.473 Dated:28-02-2022 of Amounting to Rs. 13744183/- and is near to Completion.

Director infrastructure PMU. P&SHD team visited the site and general decision were taken for Revamping of Additional work THQ Hospital Haroonabad vide his letter No.-Nil- Dated:01-08-2022.

Keeping in view this Revised rough cost estimate ammounting to Rs. 74.240 (M)/- on 2nd Bi-annual 2022 has been framed by incorporating the Additional Scope/work as Discussed with PMU Team During the visit. for arranging Revised administrative approval and funds.

The estimate has been framed as per specifications finalized by the Chief Architect vide letter No. CA/DA-I/DDA-1/1456-64 dtd=13-07-22

SCOPE OF WORK.

Provision of the following items exists in the estimate.

- 1- Revamping of Main Building, Degnostic Unit, Gyane Unit, ENT & Artho Block, Dialysis Block
- 2- Construction of Sewer Line.
- 3- Provision of Street Lights
- 4- Provision of External Water Supply System
- 5- Provision of External E.I Work
- 6- Construction of Waiting Room. (18.5' x 27.25')

SPECIFICATIONS

Work will be carried out according to PWD specifications.

COST.

Estimated cost of the work comes to Rs. ~~66,843(M)~~ ^{71.43(M)} ~~75.170~~ **74.240 (M)**

RATES.


Estimate is prepared on The basis of Plinth area Rates and MRS Rates of 2nd Bi-Annual 2022(1st July 2022 - 31 Dec 2022)

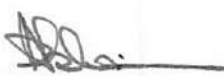
TIME LIMIT

It will take 06 Months to complete the work.

CARRYING OUT OF WORK

Work will be carried out through apperoved Govt Contractor After calling Competitive Tenders as per usual practice of the Department


Executive Engineer
Buildings Division
Bahawalnagar


Sub Divisional Officer
Buildings Sub Division
Haroonabad

OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS DIVISION BAHAWALNAGAR.

NAME OF WORK. REVISED ROUGH COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL AT HAROONABAD.

Sr. No.	Description	As Per Approved & Alloted Work E.E No.473 Dated:28-02-2022				Work Yet to be Alloted				Total Amount	Difference		Remarks
		1st Bi-Annual 2022				2nd Bi-Annual 2022							
		Plinth Area/Qty	Plinth Area Rates.	Unit	Amount	Plinth Area/Qty	Plinth Area Rates.	Unit	Amount				
											A				B				A+B
1	Cost of Revamping of Main Building, Degnostic Unit, Gyane Unit, ENT & Arthro Block, Dialysis Block (Detail Attached)	1 Job	8485000	P.Job	Rs. 8485000	1 Job	35568700 36188000	P.Job	35568700 Rs. 36188000	44053700 Rs. 44673000	35568700/- 36188000	0	Detail Attached
2	Supply and Erection of Car Parking Shed Consisting of 3-mm thick fiber glass sheet roof (3-Layers) fixed/ riveted on moulded curved frame of M.S Box pipe 1-1/2" x 1-1/2" x3/16" all around duly supported on M.S sheet 6" x 6" x 1/4" welded on G.I Pipe post(Medium Quality) of specified diameter embedded in P.C.C. (1,2,4) i/c the cost of excavation, cutting streightning assembling, bending as per design, welding/grinding met joints and painting three coats complete in all respect as approved by the Engineer Incharge.	8450 Sft	517.4	P.Sft	Rs. 4372030	0 Sft	0	P.Sft	Rs. 0	Rs. 4372030	0	0	As Per MRS
3	Construction of Sewer Line.	1 Job	679900	P.Job	Rs. 679900	1 Job	6803300	P.Job	Rs. 6803300	Rs. 7483200	6803300	0	Detail Attached

Sr. No.	Description	As Per Approved & Allotted Work E.E No.473 Dated:28-02-2022				Work Yet to be Allotted				Total Amount	Difference		Remarks
		1st Bi-Annual 2022				2nd Bi-Annual 2022					Excess	Saving	
		Plinth Area/Qty	Plinth Area Rates.	Unit	Amount	Plinth Area/Qty	Plinth Area Rates.	Unit	Amount				
4	Provision of External E.I Work					1 Job	6813710		Rs. 6813710	Rs. 6813710	6813710	0	...do...
5	Provision of Street Lights					1 Job	4340850 2835660		Rs. 4340850 Rs. 2835660	Rs. 4340850 Rs. 2835660	4340850 2835660	0	...do...
6	Provision of External Water Supply System					1 Job	2538200		Rs. 2538200	Rs. 2538200	2538200	0	...do...
7	Construction of Waiting Room (18.5' x 27.25')					504 Sft	3950		Rs. 1991293.75	Rs. 1991293.75	1991294	0	As Per Notified Rates

60960 M

75.170 (M) 60.960

66843 (M)

71.434 (M)

Sub Divisional Officer
Buildings Sub Division
Haroonabad

Executive Engineer
Buildings Division
Bahawalnagar

Superintending Engineer
Buildings Circle Bahawalpur

Name of work:-

i) Administrative approval.

a) Amount.

b) Number and date.

Rs: 14,210 (M)

Government of the Primary & Secondary Healthcare Department No.P.O(D-II)-1-237/2021 Dated 21.01.2022

iii) Amount of revised estimate

Rs: 75,170(M)

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL AT HAROONABAD.

Sr. No	DESCRIPTION	APPROVED ESTIMATE										REVISED ESTIMATE										REMARKS.
		Work Already Allotted EE No.473 Dated:28-02-2022					Work Yet to be Allotted 2nd Bi-Annual 2022					TOTAL (B+C)	DIFFERENCE (B+C)-A									
		Qty	Unit	Rate	Amount	6(A)	Qty	Unit	Rate	Amount	10 (B)		Qty	Unit	Rate	Amount	14 (C)	Qty	Amount	Qty	Amount	
1	2	3	4	5	6(A)	7	8	9	10 (B)	11	12	13	14 (C)	15	16	17	18	19				
A)	Work allotted																					
	i) Cost of Revamping of Main Building Diagnostic unit, Surgical Ward & Maternity Center.	1 Job	P Job	8485000	8485000	1 Job	P Job	8485000	8485000	-	-	-	-	-	8485000	-	-	Work already allotted & near to completion				
	ii) Supply and Erection of Car Parking Shed Consisting of 3-mm thick fiber glass sheet roof (3-Layers) fixed/ riveted on moulded curved frame of M.S Box pipe 1-1/2" x 1-1/2" x3/16" all around duly supported on M.S sheet 6" x 6" x 1/4" welded on G.I Pipe post(Medium Quality) of specified diameter embedded in P.C.C (1:2:4) i/c the cost of excavation, cutting, straightening, assembling, bending as per design, welding/grinding not joints and painting three coats complete in all respect as approved by the Engineer Incharge.	8450 Sft	P.Sft	517.4	4372030	8450 Sft	P.Sft	517.4	4372030	-	-	-	-	8450	4372030	-	-	Work already allotted & near to completion				
	Construction of Sewer Line																					
	iii) Construction of Sewer Line.	1 Job	P Job	679900	679900	1 Job	P Job	679900	679900	-	-	-	-	1	679900	-	-	Work all ready allotted & near to completion				
	B Work Yet to be allotted																					
	i) Cost of Main Building	-	-	-	-	-	-	-	-	1	Job	P Job	17145000	17145000	1	17145000	1	17145000	New Work yet to be allotted 2nd Bi-annual, 2022.			
	ii) Cost of Diagnostic unit	-	-	-	-	-	-	-	-	1	Job	P Job	4300900	4300900	1	4300900	1	4300900	do...			
	iii) Cost of Orthopaedic /Eye Ward	-	-	-	-	-	-	-	-	1	Job	P Job	8956000	8956000	1	8956000	1	8956000	do...			
	iv) Cost of Gayane	-	-	-	-	-	-	-	-	1	Job	P Job	4308000	4308000	1	4308000	1	4308000	do...			
	v) Cost of Dialysis Unit	-	-	-	-	-	-	-	-	1	Job	P Job	857000	857000	1	857000	1	857000	do...			
	vi) Construction of Sewer Line.	-	-	-	-	-	-	-	-	1	Job	P Job	6803300	6803300	1	6803300	1	6803300	New Work yet to be allotted 2nd Bi-annual, 2022.			
	vii) Provision of External E.I Work	-	-	-	-	-	-	-	-	1	Job	P Job	5813710	5813710	1	5813710	1	5813710	do...			
	viii) Provision of Street Lights	-	-	-	-	-	-	-	-	1	Job	P Job	4340850	4340850	1	4340850	1	4340850	do...			
	ix) Provision of External Water Supply System	-	-	-	-	-	-	-	-	1	Job	P Job	2538200	2538200	1	2538200	1	2538200	do...			

Sr. No	DESCRIPTION	APPROVED ESTIMATE				REVISED ESTIMATE										REMARKS.		
		Qty	Unit	Rate	Amount	Work Already Allotted E.E No.473 Dated:28-02-2022				Work Yet to be Allotted 2nd Bi-Annual 2022				TOTAL (B+C)	DIFFERENCE (B+C)-A			
						Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount					
1	2 x) Construction of Waiting Room. (418.5' x 27.25')	3	4	5	6(A)	7	8	9	10 (B)	11	12	13	14 (C)	15	16	17	18	19
										504 Sft	P Sft	3950	1991294	504	1991294	504	4991294	As Per Notified Rate; 2nd Bi Annual 2022
									</									

~~66.843~~
71.434

71.434

Sub Engineer

**Sub Divisional Officer,
Buildings SubDivision ,
Haroonabad**

**Executive Engineer,
Buildings Division,
Bahawalnagar.**

Superintending Engineer,
Buildings Circle,
Bahawalpur.



REVISED MINUTES OF MEETING

Communication & Works Department

Meeting Title/Project: Kick-off Meeting THQ Haroonabad with PMU Team

Date: 02/08/2022

Time: 02:00

Location: THQ Hospital Haroonabad

ATTENDEES

NAME	Designation
Mr. Hamza Naseem	Project Manager (Civil), PMU
Mr. Saad Zulfiqar	Consultant (Electrical), PMU
Mr. Nadeem	Executive Engineer (Building), C&W
Mrs. Shaista	Admin Officer THQ Hospital Haroonabad

MINUTES

Sr. #	AGENDA ITEM	Remarks
1	Meeting Agenda: 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work	
2	1. Introduction: Mr. Hamza Naseem, Project Manager Civil, led the kick-off meeting for THQ Haroonabad. He introduced his team to C&W and from Building Department Mr. Nadeem, Executive Engineer C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C & W that any civil or electrical work not mentioned in the minutes of meeting and taken in the estimate should not be executed without the written approval from PMU. 2. Generalized Site Decision: 2.1 Internal Development (To be Executed in Non-Revamped Areas) a. Flooring and Skirting/Dado Flooring and dado should be fixed in areas where existing tiles are damaged/ broken. b. Paint Paint work should be done in all areas and on all doors Vinyl emulsion Ash white paint should be used on walls and Matt Enamel Ash white on doors. c. Windows All damaged windows should be replaced/repared. d. Doors All damaged doors should be replaced/repared or existing wooden doors should be repainted. e. UPVC doors All washrooms (used for patient/attendants) should be replaced with UPVC doors.	



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f. Seepage Mitigation

All the areas facing seepage issues need to be assessed to locate the seepage source and necessary action may be taken accordingly.

g. Water Proofing

Water Proofing on entire Hospital Clinical building and cleaning all blockages of storm water lines. Water proofing of brick tiles should be proposed to avoid extra load on Hospital Building for its structural stability.

h. Internal Electrification Works

All the internal electrical works as internal wiring, cables and LEDs/SMDs Lights need to be carried out according to the requirement. Further, Internal electrical works should be carried out including

- ❖ Wires and Breakers of SMDBs (PSMDBs and LSMDBs) should be replaced as per requirement.
- ❖ SMDBs should be connected to Main DBs through concealed wiring and open wiring should be removed.

2.2 External Development

a. Sewerage System

C&W to assess the existing sewerage system and worked accordingly as per requirement.

b. Water Supply System

Assessment of existing water supply system and rectification required to be done as per Hospital Requirement.

c. Water supply system from Filtration Plant

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

d. Roads

Existing Road conditions need to be re-assessed prior starting execution

e. External Electrification Works

External Electrification works may be carried out including external 4 core cables (concealed) at all following points as per required electrical load of the hospital.

- ❖ Overhead LT lines should be removed and underground cables should be installed.
- ❖ All external cables should be laid underground in trench and should be laid in conduits at road crossings and traffic routes.
- ❖ Outgoing wires of generators should be replaced as per requirement.
- ❖ All extra turnover switches and generator switches should be removed.
- ❖ New ATS Panels should be installed as per requirement inside Electrical Room.
- ❖ All cables going over the roof should be removed and replaced with underground cables.
- ❖ New MDBs should be installed if not already present



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		<p>inside el existing M</p> <ul style="list-style-type: none">❖ ATS Pan should b LSMDBs)❖ Minor re instalatio of Electri❖ Supply Electrical improven respects.❖ Comple Conducto <p>standard</p>	<p>and wires and breakers of e replaced as per requirement connected to MDBs and MDBs ed to SMDBs (PSMDBs and underground wiring.</p> <p>of Electrical Control Room for Distribution Panels and connection y to Hospital.</p> <p>Installation of Main Panel Board in Control Room including power factor and voltage regulator complete in all</p> <p>Working System including Circuit Protective for the Hospital to be provided as per</p>	
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3. Specified Instructions Area-wise

The following general decision were taken for THQ Haroonabad

3.1 Internal Development

a. OPD Block

- Entrance door of Aluminum needs to be retained and only broken glass needs to be fixed.
- All Cemented windows in outer corridor at top opening, fixed Aluminum with glass panel to be fixed and at down opening, mesh with safety grill to be fixed and at center MS pipe safety grill from outside with mesh needs to be fixed.
- All inner windows in outer corridor needs to be replaced with Aluminum windows with safety grills fixed from inner side and marble sill.
- Chemical polishing of marble done in outer corridor on floor and walls need to be retained.
- All AC's water pipes in outer corridor needs to be discharged in to sewer line and should be made underground.
- At Entrance Reception counter needs to be made as per C&W specifications/standards.
- All floor and wall/dado marble in main and inner corridor of OPD Block needs to be retained.
- All cemented benches in OPD Block needs to be dismantled.
- All doors of Aluminum in OPD Block needs to be replaced with Aluminum windows with safety grill fixed on all windows from inner side opening in external areas and marble sill.
- Note No safety grill needs to be fixed on windows opening in inner corridor and windows inside rooms/offices.**
- All Patient/Attendant washrooms in OPD Block needs to be revamped completely by fixing floor tiles full body porcelain and wall/dado tiles full body porcelain up to height of 7 ft. Replacing all damaged water supply and sewerage connections with new connections. Replacing all washroom accessories with new accessories providing common vanities and looking mirror. Replacing all doors with new UPVC doors and fixing two to three or as per requirement exhaust fans of 24" dia. with Aluminum ventilators.
- Room in OPD Block as indicated during visit to be converted in to QMS by extending room and making its new door in main corridor as instructed during Hospital visit for flow management of patients/attendants.
- In main corridor leading from OPD to Diagnostic/OT block all cemented windows need to have mesh with safety grills as stated above for cemented windows in outer corridor of OPD Block.
- b. Diagnostic & OT Block**
- All Patient/Attendant washrooms in Diagnostic Block (Next to X-Ray Room) needs to be revamped completely by fixing floor tiles full body porcelain and wall/dado tiles full body porcelain up to height of 7 ft. Replacing all damaged water supply and sewerage connections with new connections.



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Replacing all washroom accessories with new accessories providing common vanities and looking mirror. Replacing all doors with new UPVC doors and fixing two to three or as per requirement exhaust fans of 24" dia. with Aluminum ventilators.

- At right most end of Diagnostic block MS window need to be replaced with Aluminum window with safety grill fixed on inner side and marble sill.
- Entrance door of X-Ray room needs to be replaced with Aluminum door half solid and half glazed glass door.
- Door inside X-Ray room of Dark room needs to be replaced with new wooden door.
- Store door in Diagnostic block needs to be replaced with new wooden door.
- Floor and wall/dado marble needs to be retained in entire Diagnostic and OT block.
- Inside washing area in OT all sewerage and water supply pipes need to be made underground and wall/dado marble only in washing area up to height of existing wall/dado level matching with existing marble fixed in OT needs to be done.
- Windows inside OT opening outside needs to be closed by doing brick work followed by plaster and paint works.
- Antimicrobial flooring, Antimicrobial wall paneling and non-porous ceiling needs to be done inside 2 x OT's only where surgery takes place.
- 2 x Entrance doors of OT needs to be replaced with new wooden double hinged doors with half SS plate fixed on it.
- 2 x Aluminum doors in inner corridor of OT needs to be retained.
- All doors in OT block other than OT (where surgery takes place) needs to be replaced with new wooden doors.
- All windows other than OT (where surgery takes place) inside recovery and pre operate wards all existing MS windows need to be replaced with Aluminum windows.
- Nursing counter as per C&W standards need to be made in OT block.
- Door to be made in OT block (opening in outer corridor of OT Block) for removing dirty linen from OT Block and room in outer corridor at end as indicated during visit with wooden door for entrance from outer corridor needs to be made.
- All cemented windows in main corridor leading from Diagnostic/OT block to Indoor block needs to have safety grill from outer side with mesh fixed on it as stated above for cemented windows in outer corridor of OPD and in main corridor leading from OPD block to Diagnostic/OT block.
- On Entrance in main corridor leading from Diagnostic/OT block to Indoor block marble needs to be fixed on podium with antiskid tiles and SS railing fixed on ramp at entrance.
- All cemented benches need to be dismantled in main corridor leading from Diagnostic/OT block to Indoor block.
- Marble on stairs leading to first floor in main corridor leading from Diagnostic/OT block to indoor block marble on steps of



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stairs need to be retained and railing also needs to be retained, Railing only needs to be repainted.

c. Indoor Block

- All existing internal MS windows in entire Indoor block needs to be replaced with Aluminum windows.
- 2 x Entrance doors of male and female wards need to be retained.
- Inside male and female wards only all floor and wall/dado tiles full body porcelain up to height of 6ft. needs to be fixed with SS edge protection on all corners up to height of wall/dado tiles.
- Doors of all rooms/offices in Indoor block needs to be replaced with new wooden doors.
- All Patient/Attendant washrooms in Indoor Block (Male and Female wards) need to be revamped completely by fixing floor tiles full body porcelain and wall/dado tiles full body porcelain up to height of 7 ft. Replacing all damaged water supply and sewerage connections with new connections. Replacing all washroom accessories with new accessories providing common vanities and looking mirror. Replacing all doors with new UPVC doors and fixing two to three or as per requirement exhaust fans of 24" dia. with Aluminum ventilators.

Note Washroom recently revamped by Hospital needs to be retained and only existing MS ventilators need to be replaced with Aluminum ventilators.

- Both Nursing counters in Indoor block for male and female ward needs to be retained only washroom at back of nursing counters to be revamped completely and its entrance door to be replaced with UPVC doors.

d. Diagnostic and Gyane OPD.

- On all entrances of Gyane OPD all marble needs to be fixed on podium and entrance steps SS railing with antiskid tiles need to be fixed on ramps at entrances. All entrance doors need to be replaced with Aluminum doors half solid and half glazed glass.
- Old wooden door in inner corridor leading from Entrance to Gyane ward/labor room block needs to be removed.
- All Patient/Attendant washrooms in Diagnostic/OT Block needs to be revamped completely by fixing floor tiles full body porcelain and wall/dado tiles full body porcelain up to height of 7 ft. Replacing all damaged water supply and sewerage connections with new connections. Replacing all washroom accessories with new accessories providing common vanities and looking mirror. Replacing all doors with new UPVC doors and fixing two to three or as per requirement exhaust fans of 24" dia. with Aluminum ventilators.
- In inner corridor of Gyane OPD all cemented benches to be removed.
- Inside entire Gyane Block (inside gyane wards and in inner corridor) all new floor and wall/dado tiles fixed recently by C&W needs to be retained.

Note only on columns in inner corridor of Gyane OPD where



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at present terrazzo exists need to have SS cladding from FF level till roof top.

- All old wooden doors to be removed and new wooden doors to be fixed in entire Gyane OPD.
- All existing internal MS windows and ventilators in Gyane OPD needs to be replaced with Aluminum windows.
- In lab marble needs to be fixed on shelves with floor and wall/dado tiles full body porcelain to be fixed up to height of 6 ft. All sewerage and water supply connections in lab to be made underground.

e. Gyane and Labor Room Block

- All floor and wall/dado tiles up to height of 6ft. needs to be fixed in entire labor room inside main/side corridors and inside wards (Gyane ward and Labor Room).

Note Wall/dado must be 6ft. inside main/side corridors and inside wards. Only 6" skirting needs to be done inside rooms/offices.

- All doors in labor room and gyane block offices/rooms needs to be replaced with new wooden doors. All wards entrance and exit doors need to be replaced with Aluminum doors half solid and half glazed glass door.
- All internal MS windows and ventilators in Gyane and Labor room block needs to be replaced with Aluminum windows and ventilators.
- 2 x Patient/Attendant washrooms in Labor room and Gyane block needs to be revamped completely by fixing floor tiles full body porcelain and wall/dado tiles full body porcelain up to height of 7 ft. Replacing all damaged water supply and sewerage connections with new connections. Replacing all washroom accessories with new accessories providing common vanities and looking mirror. Replacing all doors with new UPVC doors and fixing two to three or as per requirement exhaust fans of 24" dia. with Aluminum ventilators.

f. OT Block (ENT & Ortho)

- 2 x Main entrance doors of OT Block needs to be replaced with Aluminum doors in inner corridor of OT half solid and half glazed glass door.
- Replace OT entrance door with double swing wooden door with half SS kick plate fixed on both sides of door.
- Replace existing Badal Marble flooring in entire OT block with full body porcelain tiles and replace mosaic dado with full body porcelain tiles up to height of 6ft with SS edge protection on all corners.

Note Tiles not to be fixed inside OT (where surgery takes place). Wall/dado must be 6ft. inside main/side corridors and inside wards. Only 6" skirting needs to be done inside rooms/offices.

- All doors inside OT Block needs to be replaced with new wooden doors.
- All existing internal MS windows and ventilators need to be replaced with Aluminum windows and ventilators.
- Inside 2 x OT's (where surgery takes place) Anti-microbial



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flooring, Anti-microbial wall paneling and non-porous ceiling needs to be done.

g. Dialysis Block

- Only wall/dado tiles full body porcelain up to height of 6 ft. needs to be fixed inside 2 x wards floor tiles in these wards need to be retained.
- 2 x Patient/Attendant washrooms in Dialysis block needs to be revamped completely by fixing floor tiles full body porcelain and wall/dado tiles full body porcelain up to height of 7 ft. Replacing all damaged water supply and sewerage connections with new connections. Replacing all washroom accessories with new accessories providing common vanities and looking mirror. Replacing all doors with new UPVC doors and fixing two to three or as per requirement exhaust fans of 24" dia. with Aluminum ventilators.
- Floor settlement in RO Plant room needs to be rectified after treatment.
- 2 x Entrance doors of wards need to be replaced with Aluminum doors half solid and half glazed glass door.
- Doctors room entrance door to be replaced with new wooden door.
- Door frame/Chowkat of RO plant room rusted only chowkat/door frame of RO plant needs to be changed its door need to be refixed on new chowkat/door frame fixed

3.2 External Development

- a. Roof treatment of entire hospital clinical blocks need to be done.
- b. External Sewerage line to be assessed, repaired and rehabilitated by retaining the existing functional sewerage system components. Construction of new detention tank along with proper disposal to collecting body.
- c. All exterior weather shield of Hospital Clinical blocks need to be done.
- d. All expansion joints inside building needs to be treated by fixing SS plates vertically and horizontally and treating all expansion joints from roof top so that rain water not enters in to building from these expansion joints.



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5	<p>4. <u>Priority of work</u></p> <p>4.1 <u>Priority 1</u></p> <p><u>3.1a, b, c, d, e, f, g. 3.2 a, b, c, d.</u></p>
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Project Manager (Civil)
PMU, P & SHD

Project Manager (Electrical)
PMU, P & SHD

Admin Officer
THQ Hospital Haroonabad

Medical Superintendent
THQ Hospital Haroonabad

Buildings Sub Division,
Haroonabad

Sub Divisional Officer
Buildings District,
Bahawalnagar

Executive Engineer

Director Infrastructure
PMU, P & SHD

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ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL HAROONABAD

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

ABSTRACT OF COST

- 1 COST OF MAIN BUILDING
- 2 COST OF DIAGNOSTIC UNIT
- 3 COST OF ORTHOPADIC / EYE WARD
- 4 COST OF GAYANE
- 5 COST OF DIALYSIS BLOCK

15612293

Rs. 17057202/- ~~16646849/-~~
Rs. 3990266/- ~~4175597/-~~
Rs. 9226464/- ~~8695271/-~~
Rs. 4040665/- ~~4182808/-~~
Rs. 818988/- ~~832178/-~~

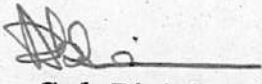
Add 03% Contingency


33008856

Total Rs. 35133585/- ~~34532703/-~~
990266 Rs. 1054008/- ~~1035981/-~~
Total ~~3399122~~ Rs. 36187593/- ~~35568684/-~~
Say Rs. 36187600/- ~~35568700/-~~
33999100 36.188 (M)
35.569

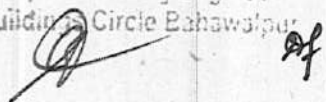
33.999
= 34.0


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad


Executive Engineer
Buildings Division
Bahawal Nagar.

Superintending Engineer
Buildings Circle Bahawalpur



ROUGH COST ESTIMATE REVAMPING OF MAIN BUILDING(OPD BLOCK)

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

1	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 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	60	6	6	2160	Sft	Double Tali	
				Total	2160		663.3 p.sft	1432728
2	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1- 1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge					3/4"	1 1/4" Squar bars.	
	(i) 3/8" Squar Bars					in, ire		
		62	4	6	1488	Sft		
		4	8	8.5	272	"		
		22	4	4	352	"		
		2	4	2	16	"		
		2	2	6	24	"		
		4	3	3.5	42	"		
				Total	2194		492.00 p.sft	1079448
3	Removing windows and sky lights with chowkat	97		97			341.5 each	33126
4	Removing door with chowkat	38		38			438 each	16644
5	Providing and fitting all types of glazed aluminium windows of windows of anodised/ powder coated partly fixed or Rs.215.20 per Sq-metre if and partly sliding using delux sections of approved manufacturer section thickness is 1.2 mm. having frame size of 100 x 30 mm (4"x1-1/4") and (2) Reduce rate by Rs.20.00 per Sft leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm or Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade.etc., as approved by the Engineer in-charge.							
		62	4	6	1488	Sft		
		4	8	8.5	272	"		
		22	4	4	352	"		
		2	4	2	16	"		
		2	2	6	24	"		
		4	3	3.5	42	"		
C.W		62	6	1.5	558	"		
				Total	2752		1,348.40 p.sft	3710797
6	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.							
	1/2 above item windows		(2194 / 2)	1097		Sft		
				Total	1097		493.05 p.sft	540876

- 7 Providing and fixing 2" wide MS/GI Chowkatsingel/doublerebatemade of 16 SWGMS sheet pressed/welded/supported with M.S.flat 1-

1/4"x1/8"i/c6"long M.S.Flat 1"x1/8"hold fasts(6-

Nos)welded/screwed,punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement and mortar (1:8) and embedding in concrete (1:2:4), complete in all respect as approved and i/c of 1-1/2" thick solid flush door Ash/Oak Ply with grooves

(ii) 10.50 " wide

9 beam No 52 Chn PP for 12

5	3	9	135	Sft
9	4.5	9	365	"
12	3.5	9	378	"
Total			878	

1300-20
4123.85 p.sft

1140926/-
986178

- 8 Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.

11	2.5	7	193	Sft
Total			193	

1500/-
700 p.sft

289500/-
134750

- 9 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge

1	8.25	9	74	Sft
Total			74	

1,437.60 p.sft

106742

- 10 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio

62	6	0.375	1.5	209.25	Cft
1	10	0.75	6	45	"
1	8	0.75	6	36	"
290				30526.30 %cft	

88603

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

62	2	6	1.5	1116	sft
1	2	10	6	120	"
1	2	8	6	96	"
1332				3,241.60 %sft	

43178

- 12 Dismantling glazed encaustic tile, etc

Floor	2	6.5	13.75	179	Sft
	1	6	13.75	83	Sft
	1	7.875	13.5	106	Sft
	1	7.5	13.5	101	Sft
Dadoo/dkiritina	6	13.75	7	578	Sft
	8	6.5	7	364	Sft
	4	6	7	168	Sft
	4	7.875	7	221	Sft
	4	7.5	7	210	Sft
	6	4	7	168	Sft
ward	2	36.5	47.5	3468	Sft
	2	6	9	108	Sft
Total				5752	

2,335.85 p.sft

134365

13 Dismantling cement concrete plain 1:2:4

2	6.5	13.75	0.125	22	Cft		
1	6	13.75	0.125	10	"		
1	7.875	13.5	0.125	13	"		
1	7.5	13.5	0.125	13	"		
2	36.5	47.5	0.125	433	"		
2	6	9	0.125	14	"		
				506		9142.85 %cft	46221

14 Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth

Same as above item	506	8891.50 %cft	44950
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15 Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).

Same as above item. 10	506	38126.10 %cft	192742
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16 Providing and laying superb quality ceramic tile floor (size 12"x24")of master brand of specified size,Glossy/matt/taexture of approved color and shade as per approved design with adhesive bond ,over 3/4" thick (1:2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and drieved by the engineer incharge (ii)2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

Floor	2	6.5	13.75	179	Sft		
	1	6	13.75	83	Sft		
	1	7.875	13.5	106	Sft		
	1	7.5	13.5	101	Sft		
			Total	469		239.9 p.sft	137198

17 Providing and laying superb quality ceramic tile dado of master brand of specified size,Glossy/matt/taexture skirting/dado of approved color and shade as with adhesive bond ,over 1/2" thick (1:2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and drieved by the engineer incharge (ii)2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

	8	6.5	7	364	Sft		
	4	6	7	168	Sft		
	4	7.875	7	221	Sft		
	4	7.5	7	210	Sft		
	6	4	7	168	Sft		
o.p	2	10	6	120	Sft		
	62	6	1.5	558	Sft		
			Total	1809		292.65 p.sft	483165

18 ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTE Rbrandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/ bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthej ointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm

ward	2	36.5	47.5	3468	Sft		
	2	6	9	108	Sft		
			Total	3576		340.5 p.sft	1217458

- 19 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2" thick (1:2) cement plaster or the cost of sand sealer for finishing the joints, cutting grinding complete in all respects as approved and directed by the Engineer Incharge.

ward	4	36.5	6	876	Sft		
	4	47.5	6	1140	Sft		
	4	9	6	216	Sft		
	2	6	6	72	Sft		
	8	27	4	864	Sft		
			Total	3168		340.5 p.sft	1078704

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

Verona							
seats	6	12	2	144	Sft		
	3	14	2	84	Sft		
sill	84	4	1.125	378	Sft		
	4	8	1.125	36	Sft		
	2	2	1.5	6	Sft		
	4	3	1.5	18	Sft		
VN	8	4	2	64	Sft		
			Total	730		412.3 p.sft	300979

- 21 P/F glazed earthen ware water closet squarer type (orisa pattern) combined with foot rest with P trap 4" dia glazed

6	6	2501.4 each	15008.4
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- 22 Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

3	3	19987.9 each	59963.7
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- 23 P/F glazed earthen ware wash hand basin 22"x16" with pedestal (v) Under Counter Vanity Basin

8	8	7329.95 each	58640
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- 24 P/F looking glass 22"x16" with glass shelf

8	10	638.15 each	6381.5
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- 25 P/F C.P bib cock 1/2" dia

10	30	775.00 each	23250
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- 26 P/F C.P T stop cock 1/2" dia

17	25	955.00 each	23875
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- 27 P/F C.P swan neck cock 1/2" dia single way

8	8	511.00 each	4088
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- 28 Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.

7	7	4453.00 each	31171
---	---	--------------	-------

29 Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe

25mm dia	340	57.95 p.rft	19703
32mm dia	150	93.65 p.rft	14047.5

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

62	6	1.5	558	Sft		
		Total	558		330.9 p.sft	184642

30 P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii) Type (SDR 32.5/SN-8)

250	260.60 p.rft	65150
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31 Painting to door and windows 3 coat new surface.

1	2	878	1756	Sft		
		Total	1756		2714.8 %sft	47672

32 Anti-Microbial Floor .. Opration thether ?

1	20	19	380	Sft		
1	14.75	19	280	Sft	1440	950400/-
		Total	660		4450 p.sft	957363

(ii) Anti-Microbial WALL PANELS (SPM) .. ?

2	19	12	456	Sft		
2	13.75	12	330	Sft		
4	18	12	864	Sft	2000	2970000
		Total	1650		2220 p.sft	3360000/-

(iii) Non-porous Ceiling System Alumnum Ceiling Non pours size 600mm x 600mm & 0.7 mm thick. ?

1	19	18	342	Sft		
1	13.75	18	248	Sft	500	29500/-
		Total	590		900 p.sft	530550

33 Distemping 2 coat old surface After scraping.

Main Building	2	19.25	9.25	356	Sft	
	2	17.25	9	311	"	
	2	20	47.5	1900	"	
	2	8	22.5	360	"	
	2	35.625	41.5	2957	"	
	2	8	21.375	342	"	
	2	8	12.375	198	"	
	2	4	9	72	"	
	2	5.625	6.625	75	"	
	2	5	6.625	66	"	
	2	5	6.5	65	"	
	2	11	12	264	"	
	4	11	1.25	55	"	
	2	5	12	120	"	
	2	10	15.625	313	"	
	1	11	10	110	"	
	2	12	19	456	"	
	2	5	12	120	"	
	2	5	6.625	66	"	
	2	19	19	722	"	
	1	11	19	209	"	

1	67.5	8	540	"
1	39.5	9.5	375	"
1	27	19	513	"
1	6.5	9.5	62	"
1	6.5	8.75	57	"
1	10.25	6	62	"
1	13	10	130	"
1	18.75	9	169	"
1	8	12.833	103	"
1	8	5	40	"
1	12	8	96	"
1	12	9.652	116	"
1	13.625	18	245	"
1	7.625	13.625	104	"
1	16	13.625	218	"
1	8	13.625	109	"
1	10	13.625	136	"
1	31.25	8.625	270	"
1	54	8.625	466	"
1	80	7	560	"
1	38	9	342	"
3	18	9.875	533	"
1	25	15	375	"
1	9.75	12	117	"
1	11.5	16.25	187	"
1	11.5	10	115	"

15174 1467.05 %sft 222617
 16451493

Total 17486049 47782065

839200 724862.5

N.Total 47057202


16646849


15612293

D/d Cost of old material

Detail Attached


 Sub Engineer


 Sub Divisional Officer
 Buildings Sub Division,
 Haroonabad


 Executive Engineer
 Building Division
 Bahawal Nagar.

COST OF OLD MATERIAL MAIN BUILDING

1 COST OF OLD WINDOW *with grill*

62	x	4	x	6	=	1488	Sft
4	x	8	x	8.5	=	272	"
22		4		4	=	352	"
2		4		2	=	16	"
2		2		6	=	24	"
4		3		3.5	=	42	"

Total 2194

@ 200

P.sft

Rs. 438800/-

1 COST OF OLD DOORS *B.wood with Chawka.*

5	x	3	x	9	=	135	Sft
9	x	4.5	x	9	=	365	"
12	x	3.5	x	9	=	378	"
11	x	2.5	x	7	=	193	"
1	x	8.25	x	9	=	74	"

Total 1144

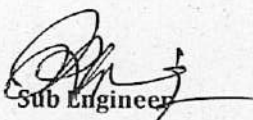
@ ~~250~~
350


P.sft


400400/-
Rs. 286063/-

Total Rs. 724863/-

839200/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haronabad


Executive Engineer
Buildings Division
Bahawal Nagar.

ROUGH COST ESTIMATE REVAMPING OF DIAGNOSTIC UNIT

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

1	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 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	6	6	6	216	Sft		
				Total	216		663.3 p.sft	143273
2	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	35	2	8	560	Sft		
				Total	560		492.00 p.sft	275520
3	Removing windows and sky lights with chowkat	48			48		341.5 each	16392
4	Removing Door With chowkat.	50			50		438 each	21900
5	Providing and fitting all types of glazed aluminium windows of windows of anodised/ powder coated partly fixed or Rs.215.20 per Sq-metre if and partly sliding using delux sections of approved manufacturer section thickness is 1.2 mm. having frame size of 100 x 30 mm (4"x1-1/4") and (2) Reduce rate by Rs.20.00 per Sft leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm or Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade etc. as approved by the Engineer in charge	35	2	8	560	Sft		
		3	4	5	60	"		
		6	4	2	48	"		
		4	2	8	64	"		
				Total	732		1,348.40 p.sft	987029
6	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.							
	1/2 above item windows (60/ 2)				30	Sft		
				Total	30		493.05 p.sft	14792
7	Providing and fixing 2" wide MS/GI Chowkatsingel/double rebat made of 16 SWG MS sheet pressed/welded/supported with M.S.flat 1- 1/4"x1/8" i/c 6" long M.S.Flat 1"x1/8" hold fasts (6- Nos) welded/screwed, punching of flock hole covered with MS Box, coating with anti rust paint including filling with cements and mortar (1:8) and embedding in hold fast cement concrete (1:2:4), complete in all respect as approved and i/c of 1-1/2" thick solid flush door Ash/GRD Ply with Grooves (ii) 10.50 " wide	30	4	7	840	Sft		
		6	3.5	7	147	"		
		7	3	7	147	"		
				Total	1134		1300.20 p.sft	147442
							1123.85 p.sft	1274446

8 Providing and fixing UPVC Doors 38mm thickness i/c Deluex matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.									
	7	2.5		7	123	Sft	1500	184500/-	
				Total	123		700 p.sft	85750	
9 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge									
	1	8		8	64	Sft			
				Total	64		1,437.60 p.sft	92006	
10 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio									
c/w	10	4	0.75	2	60	Cft			
					60		30526.30 %cft	18316	
11 Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick									
	10	2	4	2	160	sft			
					160		3,241.60 %sft	5187	
12 Dismantling glazed encaustic tile, etc									
Lab	2	24.5		6	294	Sft			
	2	16		6	192	Sft			
Waiting room	1	24.5		16	392	Sft			
sheleve	1	24.5		2	49	Sft			
W.R	1	7.5		8	60	Sft			
	4	4		7	112	Sft			
	3	3		6	54	Sft			
Dadoo/dkiriting	2	7.5		6	90	Sft			
	2	8		6	96	Sft			
	8	4		6	192	Sft			
	8	7		6	336	Sft			
	6	3		6	108	Sft			
	6	6		6	216	Sft			
				Total	2191		2,335.85 p.sft	51178	
13 Dismantling cement concrete plain 1:2:4									
	1	7.5	8	0.125	8	Cft			
	4	4	7	0.125	14	"			
	3	3	6	0.125	7	"			
					28		9142.85 %cft	2583	
14 Dry-rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth									
Same as above item									
					28		8891.50 %cft	2512	
15 Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggregate).									
Same as above item. 10									
					28		38126.10 %cft	10771	

- 16 Providing and laying superb quality ceramic tile floor (size 12"x24") of master brand of specified size, Glossy/matt/taexture of approved color and shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge. (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

Floor	1	7.5	8	60	Sft
	4	4	7	112	Sft
	3	3	6	54	Sft
			Total	226	
				239.9	p.sft

66139

- 17 Providing and laying superb quality ceramic tile dado of master brand of specified size, Glossy/matt/taexture skirting/dado of approved color and shade as with adhesive bond, over 1/2" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge. (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

	2	7.5	6	90	Sft
	2	8	6	96	Sft
	8	4	6	192	Sft
	8	7	6	336	Sft
	6	3	6	108	Sft
			Total	822	
				292.65	p.sft

240558

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

Waiting room	1	24.5	16	392	Sft
			Total	392	
				340.5	p.sft

133476

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

	2	24.5	6	294	Sft
	2	16	6	192	Sft
			Total	486	
				340.5	p.sft

165483

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

(i) China Verona

sheleve	1	24.4	2	49	Sft
sill	39	2	1.125	88	Sft
	9	4	1.125	41	Sft
VN	8	4	2	64	Sft
			Total	241	
				412.3	p.sft

99385

- 21 P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih P trap 4" dia glazed

4	4	2501.4	each
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10005.6

22	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	4	19987.9 each	79951.6			
23	P/F glazed earthen ware wash hand basin 22"x16" with pedestal (v) Under Counter Vanity Basin white, with pedestal	8	8	7329.95 each	58640			
24	P/F looking glass 22"x16" with glass shelf	8	10	638.15 each	6381.5			
25	P/F C.P bib cock 1/2" dia	8	30	775.00 each	23250			
26	P/F C.P T stop cock 1/2" dia	16	25	955.00 each	23875			
27	P/F C.P swan neck cock 1/2" dia single way	8	8	511.00 each	4088			
28	Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cost of solvent & special making jharries , complete in all respects, PN-20 pipe							
	25mm dia	255		57.95 p.rft	14777.25			
	32mm dia	135		93.65 p.rft	12642.75			
29	Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.	5	5	4453.00 each	22265			
30	P/F Muslim shower	4	4	2250.00 each	9000			
31	Providing and laying flooring with China Verona Marble having uniform texture (Spotless)of required sizeand specified thickness,withadhesivebondover3/4"thick beddingof(1:2) cement sand mortori/c the cost of matching sealer,cutting,grindingandchemicalpolishingcompleteinallrespectasa pprovedanddirectedbytheEngineer Incharge. (i)1/2" thick(12"x12"/12"x24")	8	6	1.5	72	Sft		
				Total	72		330.9 p.sft	23825
32	P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii)Type (SDR 32.5/SN-8)			160			260.60 p.rft	41696
33	Painting to door and windows 3 coat new surface.	1	2	1134	2268	Sft		
				Total	2268		2714.8 %sft	61572
34	Distemping 2 coat old surface After scraping.	1	12	11.5	138	"		
		1	52	18	936	"		
		1	22	8	176	"		
		1	6.5	8	52	"		
		1	11	8	88	"		
		1	8	9.5	76	"		
		1	6.25	14	88	"		

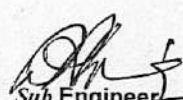
1	11	11.25	124	"
1	10	14	140	"
1	4.25	18	77	"
1	12.5	14	175	"
1	16.75	14	235	"
1	30.5	7	214	"
1	24.5	17.5	429	"
1	10	5	50	"
1	14.5	9.5	138	"
1	15.5	4	62	"
1	14	12.5	175	"
2	19.25	9.25	356	"
2	17.25	9	311	"
2	20	47.5	1900	"
2	8	22.5	360	"
2	35.625	41.5	2957	"
2	8	21.375	342	"
2	8	12.375	198	"
2	4	9	72	"
2	5.625	6.625	75	"
2	5	6.625	66	"
2	5	6.5	65	"
2	11	12	264	"
4	11	1.25	55	"
2	5	12	120	"
2	10	15.625	313	"
1	11	10	110	"
2	12	19	456	"
2	5	12	120	"
2	5	6.625	66	"
2	19	19	722	"
1	11	19	209	"
1	67.5	8	540	"
1	39.5	9.5	375	"
1	27	19	513	"
1	6.5	9.5	62	"
1	6.5	8.75	57	"
1	10.25	6	62	"
1	13	10	130	"
1	18.75	9	169	"
1	8	12.833	103	"
1	8	5	40	"
1	12	8	96	"
1	12	9.652	116	"
1	13.625	18	245	"
1	7.625	13.625	104	"
1	16	13.625	218	"
1	8	13.625	109	"
1	10	13.625	136	"
1	31.25	8.625	270	"
1	54	8.625	466	"
1	80	7	560	"
1	38	9	342	"
3	18	9.875	533	"
1	25	15	375	"
1	9.75	12	117	"
1	11.5	16.25	187	"
1	11.5	10	115	"


1	12	11.5	138	"
1	52	18	936	"
1	22	8	176	"
1	6.5	8	52	"
1	11	8	88	"
1	8	9.5	76	"
1	6.25	14	88	"
1	11	11.25	124	"
1	10	14	140	"
1	4.25	18	77	"
1	12.5	14	175	"
1	16.75	14	235	"
1	30.5	7	214	"
1	24.5	17.5	429	"
1	10	5	50	"
1	14.5	9.5	138	"
1	15.5	4	62	"
1	14	12.5	175	"


21915 1467.05 %sft 321503
4394886
- Total 4420166.6
543300
429900
N.Total 3000266.6
418597
3851586

D/d Cost of old material

Detail Attached


Sub Engineer


Sub Divisional Officer
Buildings Sub Division,
Haroonabad


Executive Engineer
Building Division
Bahawal Nagar.

COST OF OLD MATERIAL DIAGNOSTIC UNIT

1 COST OF OLD WINDOW *with Grille.*

35	x	2	x	8	=	560	Sft
3	x	4	x	5	=	60	"
6		4		2	=	48	"
4		2		8	=	64	"

Total 732

@ 200

P.sft

Rs. 146400/-

1 COST OF OLD DOORS *B-wood with chawent.*

30	x	4	x	7	=	840	Sft
6	x	3.5	x	7	=	147	"
7	x	3	x	7	=	147	"

Total 1134


@ ~~250~~
350


P.sft

396900
Rs. ~~283500/-~~

Total Rs. 429900/-
543300/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad


Executive Engineer
Buildings Division
Bahawal Nagar.

ROUGH COST ESTIMATE REVAMPING ORTHOPADIC/EYE WARD

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

1	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 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	18	6	6	648	Sft	663.3 p.sft	429818
	gauze.			Total	648			
2	Pr 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						1/4" Square bar.	
	inc ga (i) 3/8" Squar Bars							
	W4	6	4	6	144	Sft		
	W3	1	6	5.5	33	"		
	W2	1	8	11	88	"		
	HW1	4	4	4	64	"		
				Total	329		492.00 p.sft	161868
3	Removing windows and sky lights with chowkat	12			12		341.5 each	4098
4	Removing Door With chowkat.	13			13		438 each	5694
5	Providing and fitting all types of glazed aluminium windows of windows of anodised/ powder coated partly fixed or Rs.215.20 per Sq-metre if and partly sliding using delux sections of approved manufacturer section thickness is 1.2 mm. having frame size of 100 x 30 mm (4"x1-1/4") and (2) Reduce rate by Rs.20.00 per Sft leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm or Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware							
	W4	6	4	6	144	Sft		
	W3	1	6	5.5	33	"		
	W2	1	8	11	88	"		
	HW1	4	4	4	64	"		
	C/W	18	6	1.5	162	"		
				Total	329		1,348.40 p.sft	443624
6	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.							
	1/2 above item windows		(329 / 2)		165	Sft		
				Total	165		493.05 p.sft	81107
7	Providing and fixing 2" wide MS/GI Chowkatsingel/double rebated made of 16 SWG MS sheet pressed/welded/supported with M.S.flat 1- 1/4"x1/8" i/c 6" long M.S.Flat 1"x1/8" hold fasts (6-Nos) welded/screwed, punching of flock hole covered with MS Box, coating with anti-rust paint including filling with cements and mortar (1:8) and embedding in hold fast cement concrete (1:2:4), complete in all respect as approved and i/c of 1-1/2" thick solid flush door Ash/oka Ply with groove							
	(ii) 10.50 " wide							
	D1	3	4.5	9	122	Sft		

D3	3	3.5	9	95	"
D4	4	3	9	108	"
D5	1	2.25	7	16	"
			Total	340	"
					1300.20
					1123.85 p.sft

442068/-
301828

8 Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.

2	2.5	6.5	33	Sft	1500
			Total	33	700 p.sft

49500/-
22750

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

1	8	9	72	Sft	
			Total	72	1,437.60 p.sft

103507

10 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio

1	6	0.75	5.5	24.75	Cft
18	6	0.375	1.5	61	Cft
			Total	86	30526.30 %cft

26100

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

1	2	6	5.5	11	sft
18	2	6	1.5	324	Sft
				335	3,241.60 %sft

10859

12 Dismantling glazed encaustic tile, etc

2	54.125	5	541	Sft
2	20	6	240	"
2	18	6	216	"
2	13.625	6	164	"
1	13.625	18	245	"
1	12	8	96	"
1	12	9.625	116	"
1	8	12.5	100	"
1	8	5	40	"
1	16	13.625	218	"
2	8	13.625	218	"
1	10	13.625	136	"
Total			2330	2,335.85 p.sft

54419

13 Dismantling cement concrete plain 1:2:4

1	7.625	13.625	0.125	13	Cft
1	13.625	18	0.125	31	"
1	12	8	0.125	12	"
1	12	9.625	0.125	14	"
1	8	12.5	0.125	13	"

1	8	5	0.125	5	"
1	16	13.625	0.125	27	"
2	8	13.625	0.125	27	"
1	10	13.625	0.125	17	"

159 9142.85 %cft 14547

- 14 Dry rammed brick or stone ballast 1 1/2" to 2" (40mm to 50mm) gauge, in foundation and plinth

Same as above item

159 8891.50 %cft 14147

- 15 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate).

Same as above item. 10

159 38126.10 %cft 60663

- 16 Providing and laying superb quality ceramic tile floor (size 12"x24") of master brand of specified size, Glossy/matt/taexture of approved color and shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge. (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

Floor	1	7.625	13.625	104	Sft
			Total	104	

239.9 p.sft 30404

- 17 Providing and laying superb quality ceramic tile dado of master brand of specified size, Glossy/matt/taexture skirting/dado of approved color and shade as with adhesive bond, over 1/2" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge. (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

2	7.625	6	92	Sft
4	13.625	6	327	"
2	5	6	60	"
		Total	479	

292.65 p.sft 140033

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

1	13.625	18	245	Sft
1	12	8	96	"
1	12	9.625	116	"
1	8	12.5	100	"
1	8	5	40	"
1	16	13.625	218	"
2	8	13.625	218	"
1	10	13.625	136	"
		Total	1169	

340.5 p.sft 398045

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

2	54.125	6	650	Sft
4	13.625	6	327	Sft

2	18	6	216	"
2	16	6	192	"
1	12	6	72	"
2	8	6	96	"
2	12	6	144	"
2	9.625	6	116	"
6	13.625	0.5	41	"
6	8	0.5	24	"
2	10	0.5	10	"
2	12.375	6	149	"
Total		2035	340.5 p.sft	693045

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

W4	6	4	1.125	27	Sft	
W3	1	6	1.125	7	"	
W2	1	8	1.125	9	"	
HW1	4	4	1.125	18	"	
Cont	1	8	2.5	20	"	
Total		61	412.3 p.sft	25047		

- 21 P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed

1	1	2501.4 each	2501.4
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- 22 Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1	1	19987.9 each	19987.9
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- 23 P/F glazed earthen ware wash hand basin 22"x16" with padestal (v) Under Counter Vanity Basin

i) white, with pedestal	2	2	7329.95 each	14660
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- 24 P/F looking glass 22"x16" with glass shelf

2	10	638.15 each	6381.5
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- 25 P/F C.P bib cock 1/2" dia

2	30	775.00 each	23250
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- 26 P/F C.P T stop cock 1/2" dia

4	25	955.00 each	23875
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- 27 P/F C.P swan neck cock 1/2" dia single way

2	2	511.00 each	1022
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- 28 Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe

25mm dia	130	57.95 p.rft	7533.5
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32mm dia	73	93.65 p.rft	6836.45
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- 29 P/F Muslim shower

1	1	2250.00 each	2250
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30 Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respects as approved and directed by the Engineer In Charge. (i) 1/2" thick (12"x12"/12"x24")

18	6	1.5	162	Sft		
		Total	162		330.9 p.sft	53606

31 P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii) Type (SDR 32.5/SN-8)

32	260.60 p.rft	8339.2
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32 Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.

2	2	4453.00 each	8906
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33 Painting to door and windows 3 coat new surface.

1	2	340	680	Sft		
		Total	680		2714.8 %sft	18461

34 Distemping 2 coat old surface after scraping.

ROOF	1	13.625	18	245	Sft	
	1	12	9.625	116	"	
	1	12	8	96	"	
	1	20	18	360	"	
	1	8	5	40	"	
	1	8	12.625	101	"	
	1	12.125	13.625	165	"	
	1	8	13.625	109	"	
	1	10	13.625	136	"	
	1	8	13.625	109	"	
	1	16	13.625	218	"	
	1	7.625	13.625	104	"	
Passage	1	27.375	9	246	"	
	1	49.375	7	346	"	
	1	54.75	8.625	472	"	
	2	13.625	+	18	7	443
	2	12	+	9.625	7	303
	2	12	+	8	7	280
	2	20	+	18	7	532
	2	8	+	5	7	182
	2	8	+	12.625	7	289
	2	12.125	+	13.625	7	361
	2	8	+	13.625	7	303
	2	10	+	13.625	7	331
	2	8	+	13.625	7	303
	2	16	+	13.625	7	415
	2	7.625	+	13.625	7	298
	2	27.375	+	9	7	509
	2	49.375	+	7	7	789
	2	54.75	+	8.625	7	887
			Total	9086	1467.05 %sft	433301

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

35

1	21	19	399	Sft
1	14.75	19	280	Sft
		Total	679	

1440
4450 p.sft
977760/-
884913

(ii) **Anti-Microbial WALL PANELS (SPM)**

2	20	12	480	Sft
2	13.75	12	330	Sft
4	18	12	864	Sft
		Total	1674	

2000
2220 p.sft
3348000/-
3716280

(iii) **Non-porous Ceiling System Auminum Ceiling Non pours size 600mm
x 600mm & 0.7 mm thick.**

1	20	18	360	Sft
1	13.75	18	248	Sft
		Total	608	

500
900 p.sft
8547806
Total
304000/-
546750
8149264
8680456.5

Provision of internal E.I

Detail Attached


9169806
Total
622000
8771264
9302456.5

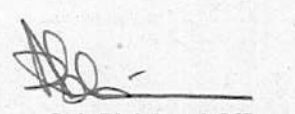
D/d Cost of old material

Detail Attached

75993
N.Total
9226464
8695271/-

9093813


Sub Engineer


Sub Divisional Officer
Buildings Sub Division,
Haroonabad



Executive Engineer
Buildings Division
Bahawal Nagar.

ROUGH COST FOR INTERNAL ELECTRIFICATION ORTHOPADIC WARD

Sr No.	Item No.	Description	Unit	Estimated Quantity	Rate	Amount
1		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials				
	i)	20mm	Rft	1200	81.70	98,040
	ii)	25mm	Rft	250	94.60	23,650
2		Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only)				
	i)	(3/0.029")	Rft	4800	25.7	123,360
	ii)	(7/0.029")	Rft	2400	40.75	97,800
	(iii)	(7/0.036")	Rft	2500	52.65	131,625
A		Supply and erection of copper conductor cables for service ditto connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts.				
	i)	(7/0.064") Twin Core for Service cable	Rft	210	306.30	64,323
3		P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
	(ii)	02 Gange	Each	18	634.50	11,421
	(i)	04 Gange	Each	18	802.5	14,445
	(iii)	06 Gange	Each	12	1,162.50	13,950
	(viii)	Three Pin Power Plug 15-32 Amp	Each	5	754.50	3,773
	(vi)	Fan Dimmer	Each	10	598.50	5,985
	(iv)	Three pin Light Plug 10/13 Amp	Each	12	610.50	7,326
4		Supply and erection of ceiling rose, bakelite.	Each	10	66.30	663
7		Supply and erection of button holder, bakelite large size	Each	30	53.75	1,613
9		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.	Job	1	9592.45	9,592
10		Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.	Each	1	4453	4,453
11		Providing and fixing at site of work Braacket fan 18" sweep made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.	Each	2	5000	10,000
TOTAL=						622,018
SAY=						622,000


Sub Engineer

Sub Divisional Officer
Building Sub Division


Executive Engineer
Building Division
Bahawal Nagar.

COST OF OLD MATERIAL ORTHOPADIC/EYE WARD

1 COST OF OLD WINDOW *with Grill :*

6	x	6	x	4	=	144	Sft
1	x	5.5	x	6	=	33	"
1		11		8	=	88	"
4		4		4	=	64	"

Total 329

@ 200

P.sft

Rs. 65800/-

1 COST OF OLD DOORS ONLY CHOWKAT

3	x	4.5	x	9	=	121.5	Sft
3	x	3.5	x	9	=	94.5	"
4	x	3	x	9	=	108	"
1	x	2.25	x	7	=	15.75	"

Total 339.8


@ 30

P.sft

Rs. 10193/-

Total Rs. 75993/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonaabad


Executive Engineer
Buildings Division
Bahawal Nagar.

ROUGH COST ESTIMATE REVAMPING OF GAYANE

2nd Bi Annual Period 01-07-2022 to 31.12.2022

1	Pr x in gauze.	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 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	2	9	6	108	Sft		
			2	3	6	36	Sft		
					Total	144		663.3 p.sft	95515
2		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	4	8	6	192	Sft		
		(i) 3/8" Squar Bars	6	4	6	144	"		
			1	6	6	36	"		
					Total	372		492.00 p.sft	183024
3	Removing windows and sky lights with chowkat		18		18			341.5 each	6147
4	Removing Door with chowkat		25		25			438 each	10950
5	Providing and fitting all types of glazed aluminium windows of windows of anodised/ powder coated partly fixed or Rs.215.20 per Sq-metre if and partly sliding using deluxe sections of approved manufacturer section thickness is 1.2 mm. having frame size of 100 x 30 mm (4"x1-1/4") and (2) Reduce rate by Rs.20.00 per Sft leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm or Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade etc. as approved by the Engineer in charge		6	4	6	144	Sft		
			4	8	6	192	"		
			1	6	6	36	"		
			4	4	2	32	"		
			3	8	2	48	"		
					Total	452		1,348.40 p.sft	609477
6	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.								
		1/2 above item windows		(452 / 2)		226	Sft		
					Total	226		493.05 p.sft	111429
7	Providing and fixing 2" wide MS/GI Chowkat singel/double rebat made of 16 SWG MS sheet pressed/welded/supported with M.S flat 1- 1/4"x1/8" i/c 6" long M.S Flat 1"x1/8" hold fasts (6- Nos) welded/screwed, punching of flock hole covered with MS Box, coating with anti rust paint including filling with cements and mortar (1:3) and embedding in ghold fast cement concrete (1:2:4), complete in all respect as approved and i/c of 1-1/2" thick solid flush door								
	(ii) 10.50 " wide		9	3.5	9	284	"	1300.20	368607
					Total	284		1123.85 p.sft	318611

8 Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.

11	2.5	7	193	Sft	1500
Total			193		700 p.sft

289500/-
~~134750~~

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

4	5	9	180	Sft	
1	7	10	70	Sft	
Total			250		1,437.60 p.sft

359400

10 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio

2	9	0.375	1.5	10.125	Cft	
2	3	0.375	1.5	3.375	"	
				14		30526.30 %cft

4121

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

2	2	9	1.5	54	sft	
2	2	3	1.5	18	"	
				72		3,241.60 %.sft

2334

12 Dismantling glazed encaustic tile, etc

Floor	1	18	10	180	Sft	
	1	4	10	40	Sft	
	1	10	14	140	Sft	
	1	10	7.75	78	Sft	
	1	10	10	100	Sft	
	1	10	12	120	Sft	
coridor	1	42	7	294	Sft	
	2	42	7	588	Sft	
room	1	16	14	224	Sft	
	1	16	18	288	Sft	
wall	2	10	7	140	Sft	
	2	18	7	252	Sft	
	8	4	7	224	Sft	
	2	4	7	56	Sft	
	2	10	7	140	Sft	
	2	14	7	196	Sft	
	4	4	7	112	Sft	

Total 3172 2,335.85 p.sft

74081

13 Dismantling cement concrete plain 1:2:4

	1	18	10	0.125	23	Cft	
	1	4	10	0.125	5	"	
	1	42	7	0.125	37	"	
	1	16	14	0.125	28	"	
	1	16	18	0.125	36	"	
	1	10	7.75	0.125	10	"	
	1	10	10	0.125	13	"	
	1	10	12	0.125	15	"	
				165		9142.85 %cft	15126

- 14 Dry rammed brick or stone ballast 1 1/2" to 2" (40mm to 50mm) gauge, in foundation and plinth

Same as above item

165 8891.50 %cft 14710

- 15 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate).

Same as above item. 10

165 38126.10 %cft 63075

- 16 Providing and laying superb quality ceramic tile floor (size 12"x24") of master brand of specified size, Glossy/matt/texture of approved color and shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge. (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

Floor	1	18	10	180	Sft
	1	4	10	40	Sft
	1	10	14	140	Sft
			Total	658	239.9 p.sft

192417

- 17 Providing and laying superb quality ceramic tile dado of master brand of specified size, Glossy/matt/texture skirting/dado of approved color and shade as with adhesive bond, over 1/2" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge. (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"

wall	2	10	7	140	Sft
	2	18	7	252	Sft
	8	4	7	224	Sft
	2	4	7	56	Sft
	2	10	7	140	Sft
	2	14	7	196	Sft
	4	4	7	112	Sft
			Total	1120	292.65 p.sft

327768

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

corridor	1	42	7	294	Sft
room	1	16	14	224	Sft
	1	16	18	288	Sft
	1	10	7.75	78	Sft
	1	10	10	100	Sft
	1	10	12	120	Sft
			Total	1104	340.5 p.sft

375742

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

corridor	2	42	7	588	Sft
room	2	16	6	192	Sft

	2	14	6	168	Sft		
	2	16	6	192	Sft		
	2	18	6	216	Sft		
	8	10	6	480	Sft		
	2	7.75	6	93	Sft		
	2	12	6	144	Sft		
			Total	2073		340.5 p.sft	705857
20	Providing and laying 3/4" thick full width Prepolished Marbles lab for Vanities/Shelves/Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar in the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. (i) China Verona						
cill	6	4	1.125	27	Sft		
	4	8	1.125	36	Sft		
	1	6	1.125	7	Sft		
	4	4	1.125	18	Sft		
	3	8	1.125	27	Sft		
VN	8	4	2	64	Sft		
			Total	179		412.3 p.sft	73699
21	P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed						
	6		6			2501.4 each	15008
22	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.						
	3		3			19987.9 each	59964
23	P/F glazed earthen ware wash hand basin 22"x16" with padestal (v) Under Counter Vanity Basin						
	8		8			7329.95 each	58640
25	P/F looking glass 22"x16" with glass shelf						
	8		10			638.15 each	6382
26	P/F C.P bib cock 1/2" dia						
	10		30			775.00 each	23250
27	P/F C.P T stop cock 1/2" dia						
	17		25			955.00 each	23875
28	P/F C.P swan neck cock 1/2" dia single way						
	8		8			511.00 each	4088
29	P/F Muslim shower						
	3		3			2250.00 each	6750
30	Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe						
	25mm dia		150			57.95 p.rft	8693
	32mm dia		110			93.65 p.rft	10302
31	P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii) Type (SDR 32.5/SN-8)						
			155			260.60 p.rft	40393
32	Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.						
	4		4			4453.00 each	17812

33 Painting to door and windows 3 coat new surface.

1	2	878 Total	1756 1756	Sft 2714.8 %sft	47672
---	---	--------------	--------------	--------------------	-------

34 Distemping 2 coat old surface After scraping.

1	12	11.5	138	"
1	52	18	936	"
1	22	8	176	"
1	6.5	8	52	"
1	11	8	88	"
1	8	9.5	76	"
1	6.25	14	88	"
1	11	11.25	124	"
1	10	14	140	"
1	4.25	18	77	"
1	12.5	14	175	"
1	16.75	14	235	"
1	30.5	7	214	"
1	24.5	17.5	429	"
1	10	5	50	"
1	14.5	9.5	138	"
1	15.5	4	62	"
1	14	12.5	175	"
2	19.25	9.25	356	"
2	17.25	9	311	"
2	20	47.5	1900	"
2	8	22.5	360	"
2	35.625	41.5	2957	"
2	8	21.375	342	"
2	8	12.375	198	"
2	4	9	72	"
2	5.625	6.625	75	"
2	5	6.625	66	"
2	5	6.5	65	"
2	11	12	264	"
4	11	1.25	55	"
2	5	12	120	"
2	10	15.625	313	"
1	11	10	110	"
2	12	19	456	"
2	5	12	120	"
2	5	6.625	66	"
2	19	19	722	"
1	11	19	209	"
1	67.5	8	540	"
1	39.5	9.5	375	"
1	27	19	513	"
1	6.5	9.5	62	"
1	6.5	8.75	57	"
1	10.25	6	62	"
1	13	10	130	"
1	18.75	9	169	"
1	8	12.833	103	"
1	8	5	40	"
1	12	8	96	"
1	12	9.652	116	"
1	13.625	18	245	"
1	7.625	13.625	104	"

1	16	13.625	218	"
1	8	13.625	109	"
1	10	13.625	136	"
1	31.25	8.625	270	"
1	54	8.625	466	"
1	80	7	560	"
1	38	9	342	"
3	18	9.875	533	"
1	25	15	375	"
1	9.75	12	117	"
1	11.5	16.25	187	"
1	11.5	10	115	"
1	12	11.5	138	"
1	52	18	936	"
1	22	8	176	"
1	6.5	8	52	"
1	11	8	88	"
1	8	9.5	76	"
1	6.25	14	88	"
1	11	11.25	124	"
1	10	14	140	"
1	4.25	18	77	"
1	12.5	14	175	"
1	16.75	14	235	"
1	30.5	7	214	"
1	24.5	17.5	429	"
1	10	5	50	"
1	14.5	9.5	138	"
1	15.5	4	62	"
1	14	12.5	175	"

21915 1467.05 %sft 321503

4008074 Total 452738 4312565


344500 271900


N.Total 4182808 4040665


3663574

D/d Cost of old material

Detail Attached


Sub Engineer


Sub Divisional Officer
Buildings Sub Division,
Haroonabad


Executive Engineer
Building Division
Bahawal Nagar.

COST OF OLD MATERIAL GAYANE

1 COST OF OLD WINDOW *with grill*

6	x	4	x	6	=	144	Sft
4	x	8	x	6	=	192	"
1	x	6	x	6	=	36	"
4	x	4	x	2	=	32	"
3	x	8	x	2	=	48	"

Total 452

@ 200

P.sft

Rs. 90400/-

1 COST OF OLD DOORS (*Old wood*) *with chowkul*

4	x	5	x	9	=	180	Sft
1	x	7	x	10	=	70	"
11	x	2.5	x	7	=	193	"
9	x	3.5	x	9	=	284	"

Total 726

@ ~~250~~

P.sft

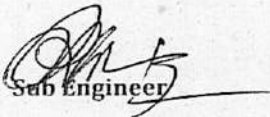
Rs. 181500/-


350


Total

Rs. 271900/-

344500/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad


Executive Engineer
Buildings Division
Bahawal Nagar.

ROUGH COST ESTIMATE REVAMPING OF DIALYSIS BLOCK

2nd Bi Annual Period 01-07-2022 to 31.12.2022

1	Removing Door with chowkat						
		6		6	438 each		2628
2	Providing and fixing 2" wide MS/GI Chowkatsingel/double rebate made of 16 SWG MS sheet pressed/welded/supported with M.S. flat 1-1/4"x1/8" i/c 6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded/screwed, punching of flock hole covered with MS Box, coating with anti-rust paint including filling with cement and mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and i/c of 1-1/2" thick solid flush door						
	(ii) 10.50 " wide	2	3.5	9	63 Sft		
				Total	63	1123.85 p.sft	70803
3	Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.						
		2	2.5	7	35 Sft	1500	52500
				Total	35	700 p.sft	24500
4	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge						
		2	4	9	72 Sft		
				Total	72	1,437.60 p.sft	103507
5	Dismantling glazed encaustic tile, etc						
	Floor	1	13	13	169 Sft		
		2	6	5.5	66 Sft		
		4	6	6	144 Sft		
		4	5.5	6	132 Sft		
				Total	511	2,335.85 p.sft	11936
6	Dismantling cement concrete plain 1:2:4						
		1	13	13	0.125 Cft		
		2	6	6.5	0.125 "		
					31	9142.85 %cft	2823
7	Dry rammed brick or stone ballast 1 1/2" to 2" (40mm to 50mm) gauge, in foundation and plinth						
	Same as above item				31	8891.50 %cft	2745
8	Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggregate).						
	Same as above item. 10				31	38126.10 %cft	11771

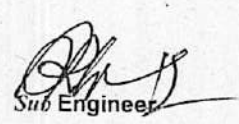
9	Providing and laying superb quality ceramic tile floor (size 12"x24") of master brand of specified size, Glossy/matt/taexture of approved color and shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"						
	2	6	5.5	66	Sft		
			Total	66		239.9 p.sft	19315
10	Providing and laying superb quality ceramic tile dado of master brand of specified size, Glossy/matt/taexture skirting/dado of approved color and shade as with adhesive bond, over 1/2" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the engineer incharge (ii) 2"x18"/12"x24"/10"x24"/8"x24"/12"x36"						
	4	6	7	168	Sft		
	4	5.5	7	154	Sft		
			Total	322		292.65 p.sft	94233
11	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (ii) 600mm x 600 mm						
	1	13	13	169	Sft		
			Total	169		340.5 p.sft	57545
12	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2" thick (1:2) cement plaster i/c the cost of sand sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.						
	4	13	0.5	26	Sft		
	4	18	6	432	Sft		
	4	14	6	336	Sft		
			Total	794		340.5 p.sft	270357
13	P/F glazed earthen ware water closet squarer type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed						
	1		1			2501.4 each	2501.4
14	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.						
	1		1			19987.9 each	19987.9
15	P/F glazed earthen ware wash hand basin 22"x16" with padestal						
	i) white, with pedestal	2		8		5169.65 each	41357
16	P/F looking glass 22"x16" with glass shelf						
		2		10		638.15 each	6381.5
17	P/F C.P bib cock 1/2" dia						
		2		30		775.00 each	23250

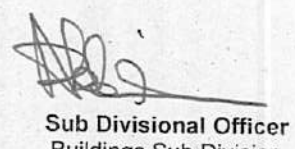
18	P/F C.P T stop cock 1/2" dia	4	25	955.00 each	23875
19	P/F C.P swan neck cock 1/2" dia single way	2	2	511.00 each	1022
20	Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe				
	25mm dia		80	57.95 p.rft	4636
	32mm dia		45	93.65 p.rft	4214.25
21	P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii)Type (SDR 32.5/SN-8)		35	260.60 p.rft	9121
22	Painting to door and windows 3 coat new surface.				
		1	2	135	270 Sft
				Total	270
23	Distemping 2 coat old surface After scraping.				2714.8 %sft 7330
	Roof	2	13	13	338 Sft
		2	18	14	504 "
		1	18	8	144 "
	wall	4	13	6	312 "
		4	18	6	432 "
		4	14	6	336 "
		2	18	6	216 "
				2282	1467.05 %sft 33478
24	Removing cement or Lime Plaster.				
	ward	4	18	6	432 "
		4	14	6	336 "
				768	423.3 %sft 3251


D/d Cost of old material

Detail Attached

847090 Total ~~871678~~ 852988
 59500 34000
 N.Total ~~832178~~ 818988
 787590


 Sub Engineer


 Sub Divisional Officer
 Buildings Sub Division,
 Haroonabad


 Executive Engineer
 Building Division
 Bahawal Nagar.

COST OF OLD MATERIAL DIALYSIS

1 COST OF OLD DOORS *with Choukati (D.wood)*

2	.	3.5	x	9	=	63	Sft
2	x	2.5	x	7	=	35	"
2	x	4	x	9	=	72	"

Total 170

@ ~~200~~
350

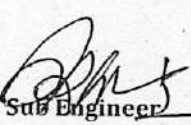
P.sft

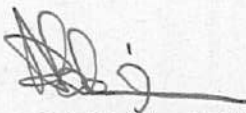
59500/-
Rs. 34000/-


Total

Rs. 34000/-

59500/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad


Executive Engineer
Buildings Division
Bahawalpur.


PROVISION OF DISPOSAL PUMPING MACHINERY, CONSTRUCTION OF PUMPING
CHAMBER, SCREENING CHAMBER
AND COLLECTING TANKS


ABSTRACT OF COST


1	Provision for Disposal Machinery	Rs.	1,154,400 /-
2	Construction of Pumping Chamber for Disposal	Rs.	886200 /-
3	Construction of Screening Chamber	Rs.	526500 /-
4	Construction of Collecting Tanks	Rs.	2811800 /-
5	Provision of Sewer Line	Rs.	1424400 /-

Total:- = 6803300 /-

Say:- = 6803300 /-


Sub Engineer



Sub Divisional Officer
Buildings Sub Division
Haroonabad.



Executive Engineer
Buildings Division
Bahawalnagar.

DETAILED ESTIMATE FOR PROVIDING DISPOSAL MACHINERY

<p>1 Providing/Installation in position and testing Horizontal Centifugal Pump Non Clogging Type 0.50 Cusecs Fnp 65-315/ 3"x2.5" duly coupled with i/c electric motor 7.5HP 1450 RPM 4 Pole Electric Mortar Siemens directly to give discharge 0.5 cusec against total head of 35', i/c Motor control unit ASD, common steel base frame i/c cost of foundation as per site required with angle iron frame nuts bolts as per site required, sluice and reflex valve i/c mechanical installation, electric wiring Amp: meter volt meter indicator bulbs 3-Nos, complete in all respects i/c GST as approved by the Engineer Incharge.</p>	<p>= 1 Set</p>	<p>@ 919800.00 P.Set = 919800 /-</p>
<p>2 P/F G.I. pipe i/c special for delivery.</p>		
<p>a) 4" dia</p>	<p>= 40 Rft</p>	<p>@ 1564.95 P.Rft = 62598 /-</p>
<p>a) 5" dia</p>	<p>= 55 Rft</p>	<p>@ 2121.05 P.Rft = 116658 /-</p>
<p>3 Providing and fixing cast iron specials of B.S.S. Class 'B' (such as bend, tee, cross collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch, plug, etc) for Asbestos cement pipe line, with comet joint and rubber ring, complete. 3" to 6" (75 to 150 mm) i/d</p>	<p>= 150 Kg</p>	<p>@ 124.45 P.Kg = 18667.5 /-</p>
<p>4 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):- 4" i/d (100 mm)</p>	<p>= 2 Nos.</p>	<p>@ 18331.50 Each = 36663 /-</p>
		<p>Total:- = 1154386 /-</p>
		<p>Say:- = 1,154,400 /-</p>


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonaabad.


Executive Engineer
Buildings Division
Bahawalnagar.

ANALYSIS OF RATE FOR PUMPING MACHINERY
HORIZONTAL NON CLOGGING SLUDGE PUMP 3" X 2.5" (KSB)

1

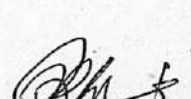
Providing/Installation in position and testing Horizontal Centifugal Pump Non Clogging Type 0.50 Cusecs Pump Fnp 65-250/ 3"x2.5" duly coupled with i/c electric motor 7.5HP 1450 RPM Electric Mortar Siemens directly to give discharge 0.5 cusec against total head of 35', i.c Motor control unit ASD, common steel base frame i/c cost of foundation as per site required with angle iron frame nuts bolts as per site required, sluice and reflex valve i/c mechanical installation, electric wiring Amp: meter volt meter inductor bulbs 3-Nos, complete in all respects i/c GST as approved by the Engineer Incharge.


One Job


@	876000/-	Each	876000/-
5% Profit			43800

Total 919800/-

Total 919800/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad.


Executive Engineer
Buildings Division
Bahawalnagar.

CONSTRUCTION OF PUMPING CHAMBER.

- 1 Excavation in foundation of building, Bridges and other structure the dag-belling dressing, refilling around structure with excavated earth watering ramming lead upto one chain and lift upto 5' o/soil.

1	x	2	x	16.375	x	3.25	x	2	213	Cft
1	x	2	x	8	x	3.25	x	2	104	Cft

Total 317 Cft
@ 10,677.75 %oCft 3385

- 2 Cement Concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth 1:4:8.

3.142	x	17.75x17.75	x	0.25	x	0.375	93	Sft
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Total 93 Cft
@ 24,738.85 %Cft 22959

- 3 Pacca brick work in foundation and plinth with cement sand mortor 1:6

1	x	40	x	1.875	x	0.25	19	Cft
1	x	40	x	1.5	x	0.25	15	Cft
1	x	40	x	1.125	x	0.25	11	Cft
1	x	40	x	0.75	x	10	300	Cft

1	x	8.875	x	2.25	x	0.25	4.9921875	Cft
1	x	9.25	x	1.875	x	0.25	4.3359375	Cft
1	x	9.625	x	1.5	x	0.25	3.609375	Cft
1	x	10	x	1.125	x	2.25	25.3125	Cft

Total 383.25 Cft
@ 27,768.70 %Cft 106424

- 4 P/I DPC 1-1/2" thic 1:2:4 cement concrete l/c bitumen coating & polythene sheet 500 guage.

1	x	1	x	40	x	0.75	x	1	30	Sft
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Total 30 Sft
@ 8,645.55 %Sft 2594

- 5 Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge:ii) Ratio 1:3 b) ¾ " thick (20 mm)

1	x	3.142	x	13.5	x	10	x	1	424	Sft
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Total 424 Sft
@ 6,466.30 %Sft 27417

- 6 Pacca brick work with cement sand mortor 1:6 in G/F

1	x	1	x	40	x	1.875	x	0.25	19	Cft
1	x	1	x	40	x	1.5	x	0.25	15	Cft
1	x	1	x	40	x	1.125	x	0.25	11	Cft
1	x	1	x	40	x	0.75	x	10	300	Cft

1	x	1	x	40	x	0.75	x	8	240	Cft
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1	x	1	x	51.825	x	0.75	x	1	39	Cft
---	---	---	---	--------	---	------	---	---	----	-----

Total 624 Cft

Deduction

1	x	1	x	4	x	0.75	x	7	21	Cft
1	x	1	x	5	x	0.75	x	0.5	2	Cft
1	x	2	x	3	x	0.75	x	4	18	Cft
1	x	2	x	4	x	0.75	x	2	12	Cft

Total 53 Cft

Net Total 571 Cft

@ 29,952.50 % Cft 171066

7 1/2" thick cement plaster 1:3 with 14Lbs bitumen coating & polythene sheet 500 gauge											
1	x	1	x	3.142	x	12.75			40	Sft	
									Total	40	Sft
									@	5886.9	%Sft 2355
8 P/L RCC work 1:2:4 in roof slab beams lintel column by using coarse sand and wash graded aggregates l/c lifting compaction finishing and curing etc. with shuttering											
3.14	x	16.5	x	16.5	x	0.41667	x	0.25	89	Cft	
1	x	3	x	4	x	1.125	x	0.5	7	Cft	
1	x	1	x	17.25	x	15.25	x	0.5	99	Cft	
									Total	195	Cft
									@	556.5	P.Cft 108518
9 Fabrication of Mild steel for RCC work l/c cutting bending complete at site using D											
109	x	6.5	x	0.454	x	1			321.659	Kgs	
									Total	321.659	Kgs
									@	31,403.05	%Kgs 101011
10 Extra for pacca brick work in steining of wells or any other circular masonry.											
1	x	1	x	40	x	1.875	x	0.25	19	Cft	
1	x	1	x	40	x	1.5	x	0.25	15	Cft	
1	x	1	x	40	x	1.125	x	0.25	11	Cft	
1	x	1	x	40	x	0.75	x	10	300	Cft	
1	x	1	x	40	x	0.75	x	8	240	Cft	
									Total	585	Cft
Deduction											
1	x	1	x	4	x	0.75	x	7	21	Cft	
1	x	1	x	5	x	0.75	x	0.5	1.875	Cft	
1	x	2	x	3	x	0.75	x	4	18	Cft	
1	x	2	x	4	x	0.75	x	2	12	Cft	
									Total	53	Cft
									Net Total	532	Cft
									@	2634	% Cft 14016
11 Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20/ height.b) 1:3											
3.142	x	12x12	x	0.25					113	Sft	
1	x	16.5	x	3.142	x	1.5			77.7645	Sft	
									TOTAL	190.7645	Sft
									@	3,705.55	%Sft 7069
12 1/2" thck cement plaster on walls. Ratio 1:3											
3.142	x	12	x	18					679		
									@	3,420.40	% Sft 23213
13 Filling watering ramming earth under floors											
317	x	0.67							212.39	Cft	
									Total	212.39	Cft
									@	5,090.45	%0 Cft 1081
14 Supplying and filling sand under floor or plugging in wells.											
3.14	x	12x12	x	0.25	x	0.333			38	Cft	
									Total	38	Cft
									@	2,823.30	% Cft 1073
15 Providing laying watering and ramming brick ballast 1 1/2" to 2" gauge mixed with 25% sand for floor foundation complete in all respects.											
									Total	38	Cft
									@	9,284.40	% Cft 3528
16 1/2" thck cement plaster on walls. Ratio 1:4											
3.142	x	16.5	x	2.75					143		
2	x	12.25	x	3.75					92		
									Total	234	
									@	3,241.60	% Sft 7600

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

1	x	12.75	x	10.75	137	Sft	
Total					137	Sft	
@					101627.55	P. Sft	139230

18 Making khurra on top roof

Total	1	No.	
@	854.35	Each	854

19 Cement pointing struck joint on walls upto 20' height ratio 1:2 i/c red oxide pigment.

3.142	x	13.5	x	8	339	Sft	
Total					339	Sft	

Deduction

1	x	4	x	7	28	Sft	
2	x	3	x	4	24	Sft	
Total					52	Sft	

Net Total	287.336	Sft	
@	4168.65	% Sft	11978

20 P/F 1 1/2" thick deodar wood panelled or panelled and glazed door and windows with MS chowkat etc complet in al respect as approved by the engineer icnahrgrne./

1	x	4	x	7	28	Sft	
@					1,930.25	Sft	54047

21 Painting to doors and windows three coats to new surface.

2	x	1	x	4	x	7	x	1	56	Sft	
@									2242.3	%Sft	1256

22 P/F MS box section window of 16 SWG, having frames of 2"x1-1/2", leave frame of T-type box section of 2"x1"x1", with ½"x1/2" box section using, Ushaped rubber for fixing 5mm thick glass panes i/c the cost of fixing of 24 SWG wire guaze on inner side by means of ½"x1/8" MS flat patti, MS grill fitted with in the window frame and screws including hinges, brass handles and painting 3 coats. Complete in all respect

2	x	3	x	4	24	Sft	
---	---	---	---	---	----	-----	--

TOTAL	24	Sft	
@	1,606.05	Sft	38545

23 P/F3/4"dia heavy duty sliding bolt of specified Material 12" long.

1	Nos		
@	470	Each	470

24 Distempering:- three coatss

item No. 9above

572	Sft		
@	1295	% Sft	7407

25 Provision for iternal EI

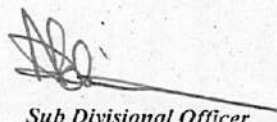
Detail attached

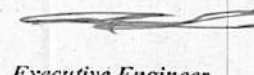
29100

Total 886195

Say 886200


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PROVIDING INTERNAL E.I. IN PUMPING CHAMBER


1	S/E of P.V.C. pipe for wiring recessed in walls i/c inspection boxes hooks cutting, jharries and repairing surface etc. i) 3/4" dia pipe	= 24 Mtr. @ 267.95 P.Mtr	= 6431 /-
2	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S.conduit/G.I pipe/ Wooden strip batten/wooden casing and capping/G.I wire/trenches 250/440 volts, PVC insulated cable.(rate for only cable) i) 3/0.029"	= 45 Mtr. @ 81.20 P.Mtr	= 3654 /-
3	S/E of M.S sheet box of 16 SWG 3/16" thick backlight sheet top for recessed wiring 4" deep i/c making holes for regulator switches plugs etc. i) 4" x 4" board.	= 1 Nos. @ 270.50 Each	= 271 /-
	iii) 8" x 10"	= 1 Nos. @ 685.50 Each	= 686 /-
4	P/F of switches 5 Amp Paino Type	= 4 Nos. @ 72.00 Each	= 288 /-
5	S/E 3 pin 5 Amp wall socket	= 1 Nos. @ 125.60 Each	= 126 /-
6	S/E of botton holder Bakelite large size	= 1 No. @ 53.75 Each	= 54 /-
7	S/E of wall type/pole type bracket with double cover water tight reflector, flexible wire and brass holder.	= 1 Nos. @ 989.70 Each	= 990 /-
8	Earthing of iron clad/aluminium switches. Etc. with G.I wire No. 8SWG in G.I. pipe 1/2" dia recessed or on surfae of wall and floor, complete with 1.5 metre long G.I pipe 2" dia with reducing socket 4 to 5 metre belos gound level and 2 metre away form bui	= 1 Jobs @ 9592.45 P.Job	= 9592 /-
9	Errection of ceiling fan alongwith regulator (all size) i/c carriage form local railway station/store to site of work.	= 1 Nos. @ 462.50 Each	= 463 /-
10	S/E A.C ceiling fan 56" sweep i/c regulaor.	= 1 Nos. @ 6500.00 Each	= 6500 /-

Total:- 29053 /-

Say:- 29100 /-


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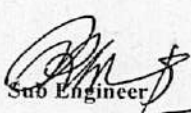

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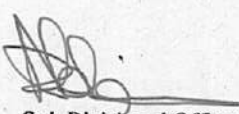

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CONSTRUCTION OF SCREENING CHAMBER.

1	Excavation in foundation of building, Bridges and other structure the dag-belling dreessing, refilling around structure with excavated earth watering ramming lead upto one chain and lift upto 5' o/soil.	1	x	1	x	14	7/8	x	12	7/8	x	10	1915	Cft		
													Total	1915	Cft	
													@	10677.75	%oCft	Rs.20448/-
2	Cement Concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth 1:4:8.	1	x	1	x	14	7/8	x	12	7/8	x	1	192	Cft		
													Total	192	Cft	
													@	24738.85	%Cft	Rs.47499/-
3	Pacca brick work in foundation and plinth with cement sand mortar 1:6	1	x	2	x	14	5/8	x	2	1/4	x	1/4	16	Cft		
		1	x	2	x	14	1/4	x	1	7/8	x	1/4	13	Cft		
		1	x	2	x	13	7/8	x	1	1/2	x	1/4	10	Cft		
		1	x	2	x	13	1/2	x	1	1/8	x	1/4	8	Cft		
		1	x	2	x	13	1/8	x	3	4	x	9	3/4	192	Cft	
		1	x	2	x	8	1/2	x	2	1/4	x	1/4	10	Cft		
		1	x	2	x	8	7/8	x	1	7/8	x	1/4	8	Cft		
		1	x	2	x	9	1/4	x	1	1/2	x	1/4	7	Cft		
		1	x	2	x	9	5/8	x	1	1/8	x	1/4	5	Cft		
		1	x	2	x	10		x	3	4	x	9	3/4	146	Cft	
		1	x	1	x	10		x	3	4	x	9	3/4	73	Cft	
		1	x	1	x	3	1/4	x	3	4	x	9	3/4	24	Cft	
		1	x	-2	x	1	1/2	x	3	4	x	2	-5	Cft		
													Total	507	Cft	
													@	27768.70	%Cft	Rs.140787/-
4	1/2" thick cement plaster 1:3 with 14Lbs bitumen caoting & polythene sheet 500 gauge	1	x	2	x	11	1/2	x	9	1/2	x	1	219	Sft		
		1	x	2	x	13	1/2	x	9	1/2	x	1	257	Sft		
													Total	476	Sft	
													@	5886.90	%Sft	Rs.28022/-
5	Cement plaster 3/8" thick under soffit of RCC roof slabs only upto 20' height.b) 1:3	1	x	1	x	11	1/2	x	4	1/2	x	1	52	Sft		
													Total	52	Sft	
													@	3705.55	% Sft	Rs.1927/-
6	1/2" thick cement plaster on wall upto 20' height Ratio 1:3	1	x	2	x	12		x	9	3/4	x	1	234	Sft		
		1	x	2	x	10		x	9	3/4	x	1	195	Sft		
		1	x	2	x	9	3/4	x	10		x	1	195	Sft		
		1	x	2	x	3	1/4	x	9	3/4	x	1	63	Sft		
													Total	687	Sft	
													@	3420.40	%Sft	Rs.23498/-
7	Cement concrete plain including placing, 20.1 compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	1	x	1	x	10		x	8		x	1/6	13	Cft		
		1	x	2	x	3	1/4	x	4	5/8	x	1/6	5	Cft		
													Total	18	Cft	
	Deduction												Total	0	Cft	
													Net Total	18	Cft	
													@	38126.10	% Cft	Rs.6863/-

8	Providing and fixing 1 1/4" x 1 1/4" x 3/ 16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels	Total @	32 590.75	No. Each	Rs.18904/-
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3"x3"x1/4" (75x75x6mm) angle iron frame, 22" (550 mm) i/d as per standard drawing STD/PD No. 7 of 1977, complete in all respects.	Total @	1 11093.60	No. Each	Rs.11094/-
10	Providing and fixing stock with clean / opening 1-1/2"x1-1/2"x1/2" complete in all respects as approved by the Engineer Incharge.	Total @	2 65000.00	No. Each	Rs.130000/-
11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, rebitting, handling, assembling and fixing, but excluding erection in position.	Total @	300 300 32486.35	Kg Kg % Kg	Rs.97459/-
					Total Rs.526501/-
					Say Rs.526500/-


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DETAILED ESTIMATE FOR CONSTRUCTION OF COLLECTING
TANK FOR DISPOSAL WORK

1	Excavation of well in dry dinessy upto 20' below ground level in ordanny soil.								
i)	0' to 5' depth	3.142	x	0.25	x	(25.0) ²	x	5	= 2455 Cft
							@	7547.85 ‰ Cft	= 18528 /-
ii)	6' to 10' depth	3.142	x	0.25	x	(25.0) ³	x	5	= 2455 Cft
							@	7883.15 ‰ Cft	= 19351 /-
iii)	11' to 15' depth	3.142	x	0.25	x	(25.0) ³	x	5	= 2455 Cft
							@	8868.55 ‰ Cft	= 21770 /-
iv)	16' to 20' depth	3.142	x	0.25	x	(25.0) ³	x	5	= 2455 Cft
							@	10179.05 ‰ Cft	= 24986 /-
v)	20.1' to 25' dept	3.142	x	0.25	x	(25.0) ³	x	5	= 2455 Cft
							@	12277.50 ‰ Cft	= 30137 /-

2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 20.1 -do- 50 mm) gauge, in foundation and plinth ratio 1 : 4 : 8								
		3.14	x	25.00	x	25.00	x	1	= 491 Cft
						4	@	24738.85 % Cft	= 121375 /-

3	Pacca brick work wi th cement sant mortor 1 : 4 in O.T.B								
	1 x $\frac{78+76}{2}$	x	2.25	x	10	=	1733	Cft	
	1 x $\frac{76+77}{2}$	x	1.5	x	15	=	1721	Cft	
							Total:-	=	3454 Cft

D/d	1 x $\frac{76.75+77.5}{2}$	x	0.75	x	10	=	578	Cft	
							Total:-	=	578 Cft
							Total:-	=	2876 Cft
							@	30526.30 %Cft	= 878013 /-

3	Extra for pacca brick work in steining of wells or any other circular masonry.								
	1 x $\frac{78+76}{2}$	x	2.25	x	10	=	1733	Cft	
	1 x $\frac{76+77}{2}$	x	1.5	x	15	=	1721	Cft	
							Total:-	=	3454 Cft
	1 x $\frac{76.75+77.5}{2}$	x	0.75	x	10	=	578	Cft	
							Total:-	=	578 Cft
							Total:-	=	2876 Cft
							@	2634.00 %Cft	= 75760 /-

- 4 Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-
- (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 members cast in situ, complete in all respects:- to factory made units.
- (3) (c) Type C (nominal mix 1: 2: 4)

$$1 \times \frac{76+77}{2} \times 0.75 \times 10 = 574 \text{ Cft}$$

$$\text{Total:-} = 574 \text{ Cft}$$

$$@ 350.30 \text{ P.Cft} = 200985 \text{ /-}$$

With shuttering

$$1 \times 3.14 \times \frac{25.5 \times 25.5}{4} \times 0.5 = 255 \text{ Cft}$$

$$2 \times 25.50 \times 1.5 \times 1.0 = 77 \text{ Cft}$$

$$\text{Total:-} = 332 \text{ Cft}$$

$$@ 656.50 \text{ P.Cft} = 217776 \text{ /-}$$

- 5 Providing, making and laying R. C. C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate :-
- b) ratio 1: 2: 4

$$\text{C.wall} \quad 1 \times 77.00 \times 2.5 \times 1.3 = 254 \text{ Cft}$$

$$\text{Total:-} = 254 \text{ Cft}$$

$$@ 634.10 \text{ P.Cft} = 161125 \text{ /-}$$

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

$$905 \times 6.5 \times 0.454 = 2672.0512 \text{ Kg}$$

$$@ 32486.35 \% \text{Kg} = 868052 \text{ /-}$$

- 7 1/2" thick cement plaster 1 : 4

$$1 \times 3.14 \times 25 \times 15 = 1178 \text{ Sft}$$

$$1 \times 3.14 \times 22.75 \times 15.75 = 1125 \text{ Sft}$$

$$\text{Total} = 2303 \text{ Sft}$$

$$@ 3241.60 \% \text{Sft} = 74641 \text{ /-}$$

- 8 Cement concrete plain including placing, 20.1 compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4

$$1 \times 3.14 \times \frac{23}{4} \times 23 \times 0.25 = 104 \text{ Cft}$$

$$@ 38126.10 \% \text{Cft} = 39581 \text{ /-}$$

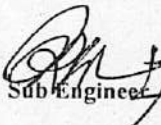
- 9 Providing and fixing structural steel for cutting edge.


$$1 \times 78.55 \times 2.5 = 196.375 \text{ Kg}$$


$$@ 30436.55 \% \text{Kg} = 59770 \text{ /-}$$

$$\text{Total:} = 2811849 \text{ /-}$$

$$\text{Say:} = 2811800 \text{ /-}$$


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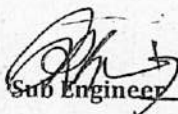

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M&R TO SEWERAGE SYSTEM

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

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:-												
	1	x	1	x	1128	x	2 1/2	x	3 1/2	=	9870	Cft	
									Total	=	9870	Cft	
									@		11740.40	%oCft	115878
3	Providing and laying R. C. C. pipe, moulded with cement Chapter - 8 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.												
	(1) 12" dia		1	x	625					=	625	Rft	
									Total	=	625	Rft	
									@		528.30	P.Rft	330188
	(1) 15" dia		1	x	500					=	500	Rft	
									Total	=	500	Rft	
									@		1047.70	P.Rft	523850
4	Cost of main Hole												
	Detailed attached		1	x	15					=	15	No	
									Total	=	15	No	
									@		30300.0	P.JOB	454500
											G.Total		1424415
											Say		1424400


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DETAIL OF MAIN HOLE

1	Excavation in open cutting for sewer and manhole 0-7' depth												
	Manhole	1 x	6.5 x	5 x	4 =	130	Cft						
					Total	130	Cft						
					@	11740.40	%o cft					1526	
2	P/L Cement concrete brick ballast 1.5" to 2" gauge 1:6:18												
	Manhole	1 x	6.5 x	5 x	0.5 =	16	Cft						
					Total	16	Cft						
					@	19583.65	%o cft					3182	
3	Pacca brick work in O.T.B 1:4												
	Manhole	1 x	2	5.5 x	0.75 x	4 =	33	Cft					
		1 x	2	2.5 x	0.75 x	4 =	15	Cft					
					Total	48	Cft						
					@	30528.30	% cft					14654	
4	P/L Cement concrete 1:2:4 plain												
	Manhole	1 x	4 x	2.5 x	0.25 =	3	Cft						
					Total	3	Cft						
					@	38126.10	% cft					953	
5	Cement plaster 1/2" thick 1:4 ratio												
	Manhole	1 x	2	(5 1/2 + 2 1/2)	3/4 =	12	Sft						
	Slab	1 x	2	(5 1/2 + 4)	1 =	19	Sft						
					Total	31	Sft						
					@	3241.60	% Sft					1005	
6	P/L R.C.C 1:2:4 using coarse sand screened graded and washed aggrigade without shutting i/c errection in position												
	Manhole	1 x	5.5 x	4 x	0.33 =	7	Cft						
					Total	7							
	D/d	1/3 x	3.14 x	1.875 x	3/4 =	1	Cft						
					Total	1	Cft						
					N.Total	6							
					@	457.75	P.Cft					2656	
7	Fabrication of mild steel reinforcement i/c cutting bending and laying in position d-bars												
		1 x	6	x 5	x 0.454 =	14	Kg						
					Total	14	Kg						
					@	31403.05	%Kg					4277	
8	Supply and fitting of cast iron manhole cover with frame, etc. complete.												
	iii) 60 cm (24") dia	1 x	1		=	1	Each						
					Total	1	Each						
					@	2051.15	Each					2051	

Total

Rs. 30305/-

Rs. 30300/-

Executive Engineer Say

Buildings Division
Bahawal Nagar.

Sub Engineer

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Buildings Sub Division
Haroonaabad

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THO Haroonabad Provision/Installation of Electrical Equipment					
S#		Qty	Unit	Rate	Amount
A. L.T.&V SUB-STATION EQUIPMENT.					
Construction of ELECTRICAL ROOM					
1	P/F floor mounted Electric Panel board of required depth and size, fabricated 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, dummies, Copper Comb, Wiring, Neutral & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).	1		As per requirement	
MDB					
Incoming From Transformers					
(f)	LT Switchboards				
(b)	2.50' deep				
(i)	400A (3.0x6x2.5')	45	Cft	3,438.40	154728
MDB					
Incoming From Transformer					
	Triple Pole 400A/36 KA 1*2=1	1	each	62,434.30	62,434.30
	Triple Pole 300A/36 KA 1*2=2	2	each	62,434.30	124,868.60
3	P/F floor mounted Electric Panel board of required depth and size, fabricated 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, dummies, Copper Comb, Wiring, Neutral & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
MDB-1(For PDBs)					
Incoming From Transformers					
(f)	LT Switchboards				
(b)	12' deep				
(i)	200A(3x4x12")	12	Cft	4,512.80	54153.6
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 prelid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
(a)	Triple Pole 200A/36 KA 1*2=2	2	each	39,814.30	79628.6
Outgoing Breakers for MDB-1					
(a)	Triple Pole 150A/36 KA 1*2=2	2	each	18,094.30	36188.6
(b)	Triple Pole 150A/36 KA 1*2=2	2	each	18,094.30	36,188.60
P/F floor mounted ATS (Auto Transfer Switch) panel board . fabricated 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 V AC, 3-phase 4 wire, 50 HZ TP&KE system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accommodate given no of circuit components, instruments & accessories assembled & wired with Electrofitic 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, dummies, Copper Comb, Wiring, Neutral & Earth Bar, CT&C, Conectors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).					
ATS (for 100 KVA Generator Transformer)					
Incoming from Generator and ATS for dual supply					
(b)	2.00 Ft deep	1	each	801,447.70	801447.7
(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 prelid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
(a)	Triple Pole 200A/36 KA 1*2=2	2	each	39,814.30	79628.6
Outgoing Breakers For ATS (for 100 KVA Generator and Transformer)					

S#		Qty	Unit	Rate	Amount
	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 prelad DBs and Panels (ie the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A/36 KA/ (2* 5=10)	10	each	17,434.30	174343
5	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricated with 1.4S 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 V.A.C, 3-phase 4 wire, 50 HZ TP/N/EE system having rated service, short circuit breaking capacity at 400V AC conforming to IEC-947-2 to accommodate given no of circuit components, instruments & accessories assembled & wired with Electrofit Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over (ie the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Neutral & Earth Bar CTS, Connectors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge, (Breakers will be paid additionally).				
	ATS (for 100 KVA Generator Transformer)				
	Incoming from Generator and ATS for dual supply				
	(b) 2.00 Ft deep	1	each	801,447.70	801447.7
	(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 prelad DBs and Panels (ie the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 200A/36 KA/ (1* 2=1)	2	each	39,814.30	79638.6
	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 prelad DBs and Panels (ie the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A/36 KA/ (3* 3=9)	9	each	17,434.30	156908.7
6	P/F wall mounted DB (Distribution Board) made with 1.6S WG Sheet (Recessed/ Surface mounted Type), Powder coated Paint, (ie the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (For Male/Female Ward)				
	(a) 12" deep				
	(b) 150A (3X3X12") 3 BDs	27	CT	13,809.80	372864.6
	Incoming Breakers for PDBs (For Male/Female Ward)				
	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 prelad DBs and Panels (ie the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 150A/36 KA/ (1* 3=3)	3	each	18,094.30	54282.9
	Outgoing Breakers for PDBs (For Male/Female Ward)				
	2 Supplying, installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND in prelad DBs and Panels (ie the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A/10 KA (1* 3=3)	3	each	11,434.30	34302.9
	(b) Single Pole 32A/10 KA/ (3* 3=15)	15	each	1,299.95	19499.25
	(d) Single Pole 16A/10 KA/ (3* 3=15)	15	each	1,299.95	19499.25
7	P/F wall mounted DB (Distribution Board) made with 1.6S WG Sheet (Recessed/ Surface mounted Type), Powder coated Paint, (ie the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (2 For Emergency & 2 For OPD & 1 Gynall)				
	(a) 12" deep				
	(b) 150A (3X3X12") 5 BDs	45	CT	51,464.40	231588
	Incoming Breakers for PDBs (2 For Emergency & 2 For OPD & 1 Gynall)				

S#		Qty	Unit	Rate	Amount
8	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 prelad DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 150A(36 K.A) (1*5=5)	5	each	18,094.30	90471.5
	Outgoing Breakers for LDBs (2 For Emergency & 2 For OPD & 1 Gynall)				
	Supplying, installation and commissioning of MCCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN/GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelad DBs and Panels i/c the cost of screws necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A(36 K.A) (2*3=6)	6	each	17,434.30	104605.8
	(b) Single Pole 32A(10 K.A) (3*5=15)	25	each	1,299.95	32498.75
	(c) Single Pole 16A(10 K.A) (6*5=30)	30	each	1,299.95	38998.5
	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thumble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls. Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	LDBs (For Male/Female)				
	(a) 6" deep				
9	(ii) 63A (18"x24"x6") 4 DBs	6	CH	18,691.40	112148.4
	Incoming Breakers for LDBs (For Male/Female)				
	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 prelad DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A(36 K.A) (1*4=4)	4	each	17,434.30	69737.2
	Outgoing Breakers for LDBs (For Male/Female)				
	Supplying, installation and commissioning of MCCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN/GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelad DBs and Panels i/c the cost of screws necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Single Pole 20A(10 K.A) (4*4=16)	16		1,299.95	20799.2
	(b) Single Pole 16A(10 K.A) (4*4=16)	16		1,299.95	20799.2
	(c) Single Pole 10A(10 K.A) (6*4=26)	24		1,299.95	31198.8
	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thumble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls. Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
B	LDBs (2 For Emergency & 2 For OPD & 1 Gynall)				
	(a) 6" deep				
	(ii) 63A (18"x24"x6") 5 DBs	7.5	CH	18,691.40	140185.5
	Incoming Breakers for LDBs (2 For Emergency & 2 For OPD & 1 Gynall)				
	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 prelad DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A(36 K.A) (1*5=5)	5	each	17,434.30	87171.5
	Outgoing Breakers for LDBs (2 For Emergency & 2 For OPD & 1 Gynall)				
	Supplying, installation and commissioning of MCCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN/GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelad DBs and Panels i/c the cost of screws necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Single Pole 20A(10 K.A) (4*5=20)	20		1,299.95	25999
	(b) Single Pole 16A(10 K.A) (4*5=20)	20		1,299.95	25999
	(c) Single Pole 10A(10 K.A) (6*5=30)	30		1,299.95	38998.5
LT POWER CABLE.					

S#		Qty:	Unit	Rate	Amount
1	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer)	200	ft	3,676.95	735390
2	70 mm sq (19/0.085") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer and MDB-1)	600	ft	2,605.05	1563030
3	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For PDBs)	300	ft	1,859.25	557775
4	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelad pipe (GL wire trenches, etc (For LDBs and ACS)	500	ft	160.75	80375
5	7/0.91 mm (7/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelad pipe (GL wire trenches, etc (For Internal Wiring of Hospital))	500	ft	110.3	55150
6	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelad pipe (GL wire trenches, etc (For Internal Wiring of Hospital))	100	ft	87	8700
7	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelad pipe (GL wire trenches, etc (For Internal Wiring of Hospital))	600	ft	43.65	26190
TOTAL					6897821.45

THO Haroonabad
Provision/Installation of Electrical Equipment

S#		Qty	Unit	Rate	Amount
A L.T. (LV) SUB-STATION EQUIPMENT:					
1	Construction of ELECTRICAL ROOM	1		As per requirement	
2	P/F floor mounted Electric Panel board of required depth and size, fabricated with 14SWG M.S. sheet (Indoor/Outdoor Type), denesting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, timbles, Copper Comb, Wiring, Natural & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).	1			
	MDB				
	Incoming From Transformers				
	(i) LT Switchboards				
	(b) 2.50" deep				
	(i) 400A (3.0x6x2.5')	1	each	3,438.40	154728
	MDB				
	Incoming from Transformer				
	Triple Pole 400A(36 K.A) 1*2=1	1	each	62,434.30	62,434.30
	Triple Pole 300A(36 K.A) 1*2=2	2	each	62,434.30	124,868.60
3	P/F floor mounted Electric Panel board of required depth and size, fabricated with 14SWG M.S. sheet (Indoor/Outdoor Type), denesting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, timbles, Copper Comb, Wiring, Natural & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controls 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				
	(b) 12" deep				
	(i) 200A(3'x4'x12")	1	each	4,512.80	54153.6
	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 / TERA SAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respects as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 200A(36 K.A) 1*2=2	2	each	39,814.30	79628.6
	Outgoing breakers for MDB-1				
	(a) Triple Pole 150A(36 K.A) 1*2=2	2	each	18,094.30	36188.6
	(b) Triple Pole 150A(36 K.A) 1*2=2	2	each	18,094.30	36188.60

S#		Qty	Unit	Rate	Amount
4	<p>P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 1.5 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 accommodate given no of circuit components, instruments & accessories assembled & wired with Electrolytic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphoric, manual change Over i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Neutral & Earth Bar, C.T.s, Contactors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).</p>				
	ATS (for 100 KVA Generator Transformer)				
	Incoming from Generator and ATS for dual supply				
	(b) 2.00 Ft deep				
	(ii) 100KVA	1	each	801,447.70	801447.7
	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 IEC/FRANCE/GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respects as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 200A(36 KVA) (2*2=2)				
	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 IEC/FRANCE/GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respects as approved and directed by the Engineer Incharge.	2	each	39,814.30	79628.6
	(a) Triple Pole 63A(36 KVA) (2*5=10)				
5	P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 1.5 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 accommodate given no of circuit components, instruments & accessories assembled & wired with Electrolytic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphoric, manual change Over i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Neutral & Earth Bar, C.T.s, Contactors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).	10	each	17,434.30	174343
	ATS (for 100 KVA Generator Transformer)				
	Incoming from Generator and ATS for dual supply				
	(b) 2.00 Ft deep				
	(ii) 100KVA	1	each	801,447.70	801447.7
	Incoming Breakers For ATS (for 100 KVA Generator and Transformer)				

S.#		Qty	Unit	Rate	Amount
1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 200A(36 KA) (1*2=1)	2	each	39,814.30	79628.6
	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.				
6	(a) Tripole Pole 63A(36 KA) (3*3=9)	9	each	17,434.30	156908.7
	P/F wall mounted DB (Distribution Board) made with 16SW G Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indicator lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (For Male, Female Ward)				
	(a) 12" deep				
	(ii) 150A (3*3*12")	3	each	13,809.80	37286.46
	Incoming Breakers for PDBs (For Male, Female Ward)				
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) Tripole Pole 150A(36 KA) (1*3=3)	3	each	18,094.30	54282.9
	Outgoing Breakers for PDBs (For Male, Female Ward)				
2	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND 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) Tripole Pole 63A(10 KA) (1*3=3)	3	each	11,434.30	34302.9
	(b) Single Pole 32A(10 KA) (5*3=15)	15	each	1,299.95	19499.25
	(d) Single Pole 16A(10 KA) (5*3=15)	15	each	1,299.95	19499.25
	P/F wall mounted DB (Distribution Board) made with 16SW G Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indicator lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
7	PDBs (2 For Emergency & 2 For OPD & 1 Gynaii)				
	(a) 12" deep				
	(ii) 150A (3*3*12")	5	each	5,146.40	231588
	Incoming Breakers for PDBs (2 For Emergency & 2 For OPD & 1 Gynaii)				

S.#		Qty	Unit	Rate	Amount
	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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 150A(36 KA) (1*5=5)	5	each	18,094.30	90471.5
	Outgoing Breakers for PDBs (2 For Emergency & 2 For OPD & 1 Gynaii)				
	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 63A(36 KA) (2*3=6)	6	each	17,434.30	104605.8
	(b) Single Pole 32A(10 KA) (5*5=25)	25	each	1,299.95	32498.75
	(c) Single Pole 16A(10 KA) (6*5=30)	30	each	1,299.95	38998.5
	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/ Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indicator lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
8					
	LDBs (For Male/Female)				
	(a) 6" deep				
	(ii) 63A (18"x24"x6")	4	each	18,691.40	84111.3
	Incoming Breakers for LDBs (For Male/Female)				
	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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Triple Pole 63A(36 KA) (1*4=4)	4	each	17,434.30	69737.2
	Outgoing Breakers for LDBs (For Male/Female)				
	Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Single Pole 20A(10 KA) (4*4=16)	16		1,299.95	20799.2
	(b) Single Pole 16A(10 KA) (4*4=16)	16		1,299.95	20799.2
	(c) Single Pole 10A(10 KA) (6*4=26)	24		1,299.95	31198.8
	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/ Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indicator lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
9					
	LDBs (2 For Emergency & 2 For OPD & 1 Gynaii)				
	(a) 6" deep				

123

S.#		Qty:	Unit	Rate	Amount
(ii)	63A (18"x24"x6") Incoming Breakers for LDBs (2 For Emergency & 2 For OPD & 1 Gynaii) 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.	5	each	18,691.40	84111.3
(a)	Tripple Pole 63A(36 K.A) (4*5=5) Outgoing Breakers for LDBs (2 For Emergency & 2 For OPD & 1 Gynaii) Supplying, installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND 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.	5	each	17,434.30	87171.5
(a)	Single Pole 20A(10 K.A) (4*5=20)	20		1,299.95	25999
(b)	Single Pole 16A(10 K.A) (4*5=20)	20		1,299.95	25999
(c)	Single Pole 10A(10 K.A) (6*5=30)	30		1,299.95	38998.5
B LT POWER CABLE.					
1	95 mm sq (37/0.072") 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 MDB-1)	600	rft	2,605.05	1563030
3	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For PDBs)	300	rft	1,859.25	557775
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)	500	rft	160.75	80375
5	7/0.91 mm (7/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	500	rft	110.3	55150
6	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	100	rft	87	8700
7	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	600	rft	43.65	26190
TOTAL					6813710.15

Sub Engineer

Cancelled
check now
attached,

Sub Divisional Officer
Buildings Sub Division,
Haroonabad

Executive Engineer
Buildings Sub Division
Bahawalpur

ROUGH COST ESTIMATE FOR STREET LIGHT

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
1	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5mm thick (7SWG) galvanized steel, tapered from 225mm at bottom to 100mm at top, with 1500mm x 60mm x 4mm thick dia. arm for luminaire installation, duly G.I. welded with 470x470x20mm base plate with the help of 4 no triangular stiffeners 100x350x20mm of GI sheet, with builtin junction box with shutter, i/c the cost of nuts & lag bolts, duly fixed in pre-laid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer in charge.	1	x	15		= 15 Nos	
	a) Single Arm (i) 10 mtr height			@	106,232.75	Each	1593491
2	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	15	x	2.5	x	1.5 = 141 Cft	
				@	10,677.75	% Cft	1506
3	Cement concrete brick or stone ballast 1 1/2 " to 2" 50 mm) gauge, in foundation and plinth:- ratio 1:6:12	15	x	2.5	x	0.5 = 47 Cft	
				@	21,060.85	% Cft	9899
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	15	x	1.75	x	2 = 92 Cft	
				@	38126.10	% Cft	35076
5	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.	1	x	1350		= 1350 Rft	
	1" dia.			@	94.6	P.Rft	127710
6	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing as capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated:						
i)	7/0.029 wire	1	x	990		= 990 Rft	
				@	40.75	P.Rft	40343
ii)	7/0.044 wire	1	x	3055		= 3055 Rft	
				@	75.1	P.Rft	229431
7	P/F Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge of Flood 140 Lm/Watt (i) 50 Watt with 7000 lumens approved quality & grade etc complete in all respects as approved by the engineer incharge						
	3 no on each Pole			@	50,172.95	Each	752594

45 No
15 Nos 2257783/-
752594

- 8 Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") 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.

@ - - 9,592.45 Each 2 Nos 19185

- 9 Providing and fixing M.S. iron box for housing main switches, made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:-
(24"x14"x6")

@ - - 6,774.80 Each 2 Nos 13550

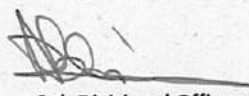
- 10 Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc.
i) 100 Amp Tripple pole.


@ - - 6,436.75 Each 2 Nos 12874

Total: ~~2835659~~ 4340848/-

Say Rs: ~~2,835,660~~ 4340850/-


Sub Engineer


Sub Divisional Officer,
Buildings Sub Division,
Haroonabad


Executive Engineer
Buildings Division
Bahawalnagar.

ROUGH COST ESTIMATE FOR WATER SUPPLY

2nd Bi Annual Period 01-07-2022 to 31.12.2022

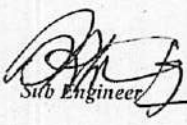
2 Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.


1 X 2700 X 1.5 X 2 = 8100 Cft
@ 7622.75 %o = 61744 /-


1 Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe

= 1200 Rft
(vi)(2") 63 mm @ 377.55 P.Rft = 453060 /-
= 1500 Rft
(ix) (3") 110 mm @ 1348.95 P.Rft = 2023425 /-

Total;- = 2538229 /-
Say:- = 2,538,200 /-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division,
Haroonabad


Executive Engineer
Buildings Division
Bahawalnagar.

Analysis of Rate for

Provision and Laying anti microbial wall panelling / Cladding SPM Walls Panels that can resist to heavy impacts non porous and 100 % Antibacteril material suitable for high intention risk areas,welded joints for perfect water tightness between panel resist to standard cleaning disinfection and antiseptic products heavy resistant sustainable formulation complete in all respect and as approved by Engineer Incharge.

Analysis purpose----- 10 x 10 = 100 Sfl

Unit----- P.sft

2nd Bi- Annual 2022

Provision and Laying anti microbial wall panelling / Cladding SPM Walls Panels that can resist to heavy impacts non porous and 100 % Antibacteril material suitable for high intention risk areas,welded joints for perfect water tightness between panel resist to standard cleaning disinfection and antiseptic products heavy resistant sustainable formulation complete in all respect and as approved by Engineer Incharge.

1	x	10	x	10	=	100	Sft	
		5 % Wastages			=	5	'	
				Total		105	Sft	
				@		1701	P.Sft	178605
				Total				178605
								21432.6
				G.Total				200037.6

Rate P.Sft	200037.6 /	100	=	2000
	Say P.Sft		RS:	2000 1800

sub. Eng

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Buildings Division
Bahawalnagar

Analysis of Rate for

P.F. Non- Porous aluminium Dampa ceiling size 600mm x 600mm and 0.7mm thickness complete in all respect as approved by the Engineer Incharge.

Analysis purpose----- 10 x 10 = 100 Sft

Unit----- P.sft


2nd Bi- Annual 2022


a P/F Non- Porous aluminium Dampa ceiling size 600mm x 600mm and 0.7mm thickness complete in all respect as approved by the Engineer Incharge.

1	x	10	x	10	=	100	Sft	
		5 % Wastages			=	5		
				Total		105	Sft	
				@		425	P.Sft	44625
				Total				44625
				12% contractor 's Profit and OHC				5355
				G.Total				49980

$$\text{Rate P.Sft} \quad 49980 / 100 = \text{Rs: } 500$$

sub. Eng.


Sub Divisional Officer
Building Sub Division
Bahawalnagar



Executive Engineer
Buildings Division
Bahawalnagar


180

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Add 12% contractor 's Profit and OHC

Rs: 1440 ~~1440.012~~ 1250/


Sub Divisional Officer
Building Sub Division
Bahawalnagar


Executive Engineer
Building Division
Bahawalnagar

MEDISYS

Specialist in Medical Equipment
Laboratory Equipment, Hospital Furniture
Special Gases & Pipe Line System

QUOTATION

Customer

Name	XEN
Address	Bahawalnagar
Site	DHQ
Phone	

Misc

Date	
Att.	
Job	

S/No.s	Qty	Description	Unit Price	Unit	Total
1	1390	Anti bacterial Flooring (With Installation) Anti-Bacterial, Heterogeneous flooring Anti-bacterial activity (T Group => best abrasion resistance, TVOC after 28 days < 10µg/m3 => Thickness: 2mm	1,450.00	SQFT	2,015,500.00
2	2335	Anti-Bacterial Wall Panelling (With Installation) Non porous, Easy to Clean, Sustainable formulation Thermoformable at corners for ease of Maintenance Resists to standard cleaning, disinfection and antiseptic products, (Imported) Size: 9.2 feet height x 4 feet width, Thickness: 2mm	4,050.00	SQFT	9,456,750.00
3	1306	Aluminum Nonporous Ceiling Size: 600mm x 600mm	1,000.00	SQFT	1,306,000.00
Terms & Conditions					Amount 12,778,250.00

17%	2,172,302.50
Total Amount	14,950,552.50

Payment 80% Advance

Validity 7- Days from the date of this Quotation.

Taxes Prices are with G.S.T

Note Company cannot be held responsible for customer imposed requirement
not Included in this quotation unless specially agreed to in writing by us.

Thanks and best regards

[Signature]

[Signature]
Sub. Eng

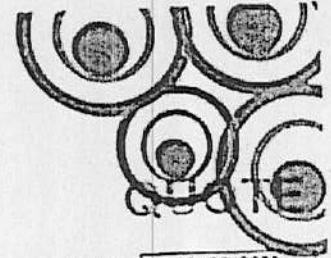
HEAD OFFICE: 17-T, Bilal Centre, 9-Nicholson Road, Lahore - Pakistan. Tel: 0423-6310677
Fax: 02-423-6364990 e-mail: medisys@hotmail.com. Cell: 0333-7177794



MULTI PLANNER

TRADING CORPORATION

A Medical, Industrial Equipment Sale & Service
and General Order Supplier



DATE 22/08/2022
QUOTE # 0101-W11
VALID UNTIL 15-Days

CUSTOMER

Executive Engineer Services,
Bahawalnagar

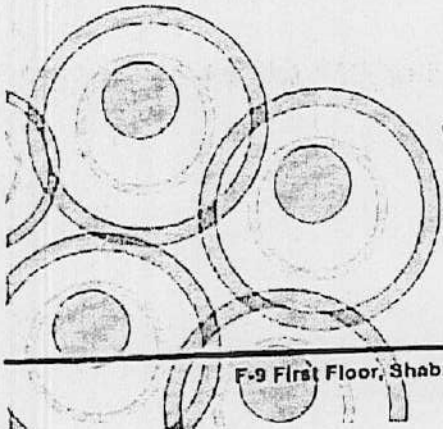
DESCRIPTION	UOM	QTY	RATE	AMOUNT
Anti Microbial Wall Paneling Including Installation Proven Anti-Microbial Technology with certifications Good chemical resistant properties, Easy to Clean, Accredited by: ECHA, CE, FDA, EPA, HACCP & is BDR Compliant ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 (Imported)	SQFT	2340	3990	9,336,600.00
Anti bacterial Flooring Including Installation Heterogeneous flooring, AntiBacterial European classification EN 685 class 34-43 (Imported)	SQFT	1390	1500	2,085,000.00
Nonprous Ceiling System Local	SQFT	1306	960	1,253,760.00
Subtotal				12,675,360.00

TERMS AND CONDITIONS

1. Customer will be billed after indicating acceptance of this quote
2. 60% Advance, 30% after delivery & 10% after work completion.
3. Please fax or mail the signed price quote for proceeding
4. Prices are excluding taxes.

TOTAL Rs12,675,360.00

Thank You For Your Business!



[Signature]

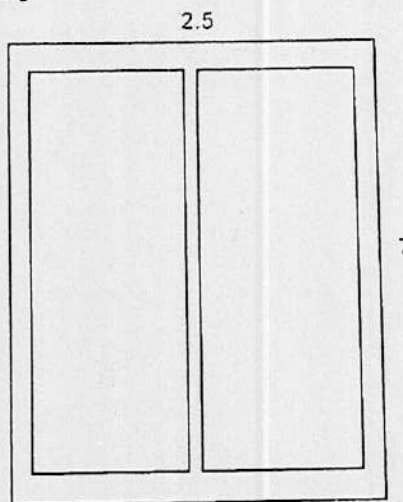
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F-9 First Floor, Shabnum Centre, Shallmar Link Road, Lahore-Pakistan, Ph: 042-36880667
Fax: 042-36880667 E-mail: mptc667@gmail.com

Analysis of Rate for

Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame, matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories execept locks complete in all respect as approval by the Engineer Incharge

Unit = 2.5 x 7 = 18 Sft



(A) COST OF MATERIAL

a) UPVC Doors 38mm thickness

1 No

1.00 No.

@ Rs.

22520

Rs.

22,520.00

Rs.

22,520.00

Contractor's 20% Profit

Rs.

4,504.00

Total

Rs.

27,024.00

TOTAL

27,024.00

Rate P.Sft =

1,501.33

Say Rs. =

1500.00

It is certificated that rate adopted in the analysis are as aper input rates displayed on website of Finance Department

It is certificated that the rate of items not availabe on website but involved in Non-Standardized item rate have been applied after ascertaining personality by me from the market.

The quantity of material taken in analysis and specifications of analysis is quite economical in the best interest of work and reasonable.

The rate as per analysis is quit reasonable and recommended for approval.

[Signature]
Sub Eng

[Signature]
Sub Divisional Officer
Building Sub Division
Bahawalnagar

[Signature]
Executive Engineer
Buildings Division
Bahawalnagar




Best Regards,

- | | |
|----|---|
| 12 | Terms of Payment: - |
| 11 | a. 80 % advance on confirmation of order |
| 10 | b. 10% before glass fixing |
| 9 | b. 10% on completion |
| 8 | Please make cheque in favour of Master upvc profiles & Ali Raza |
| 7 | Quotation validity: These prices are valid for 3 days from the date of issue. |
| 6 | <u>All Accessories and Hardware are Standard:</u> |
| 5 | Handles, Locks, Gear Locks, Brush, Rubber Gaskets, Screws and Self Tapping Screws (Galvanized Rust Free), |
| 4 | Steel Re-inforcement 1mm (Galvanized Rust Free Local), Screw Hole Covers, Water Hole Covers, Aluminium |
| 3 | Imported Spacers, Imported Corners, Imported Double Tape, Imported Chemical and Imported Dow Corning |
| 2 | All Accessories and Hardware come with two year warranty.No claim for damages due to rough usage of |
| 1 | Defaults in the payment shall terminate the warranty. |
| | The Quotation does not include any tax. |
| | if Folding or Ladder is required on site client is responsible to provide. |
| | Client provide guidance to deliver material on site. |
| | Client is responsible for providing electricity on site. |
| | When site is closed any breakage in glass not include in warranty. |

Once window designs are confirmed and fabrication has started changes will not be made to the window designs.

1-BURAQ/SKYPEN to be used and we give you guarantee for 15 years in case of color fading and cracking.
2-BURAQ/SKYPEN profile will be used for this project, Quotation is subject to final measurements.

NOTE:

		MASTER WINDOWS & DOORS(PV.LTD)		QUOTATION DATE : 26/10/2022 QUOTATION NO: MUP-22/2022 EXPECTED DELIVERY DATE: depend on order status Team Leader all raza Lead generation all raza Size Taker client	
		CLIENT NAME:Executive Engineer Building Division Bahawalnagar CONTACT NO: PROFILE USING: Skypen/Burqa 60mm CITY:			
WINDOWS & DOORS FABRICATION		www.masterupvcprofiles.com		QUOTATION DATE : 26/10/2022 QUOTATION NO: MUP-22/2022 EXPECTED DELIVERY DATE: depend on order status Team Leader all raza Lead generation all raza Size Taker client	



Quotation (Option# 02)

To,
Executive Engineer,
Buildings Division,
Bahawal Nagar.

Date: 18-08-2022
Due Date: 02-09-2022
Ref No: UNI-110793

Project: T.H.Q Hospital, Haroon abad.

Sr. No.	Description	UOM	Qty.	Rate	Amount (Rs)
1	Anti-microbial Floor Gerflor Flooring Ambiance Ultra Anti-Bacterial Anti-Static Homogeneous T Group => best abrasion resistance TVOC after 28 days < 10 μ g/m ³ => indoor air quality Exclusive and patented Evercare™ surface treatment => 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 Total Thickness: 2mm Roll Size: 66 x 6.6 = 430sqft	Sqft	1,300	1,200	1,560,000
2	SPM SPM Walls Panels Easy to clean Resists to 320 kg at 3 km/h impacts Size: 9.8 feet height x 4.3 feet width Non-porous 100% antibacterial material suitable for high infection risk areas Welded joints possible for perfect water tightness between panels or with vinyl flooring Resists to standard cleaning, disinfection and antiseptic products (Anios and Bioquell test reports) Bs2d0 - Heavy traffic 100% antibacterial Sustainable formulation	Sqft	2620	1850	4,847,000
3	Non-porous Ceiling System Aluminum Ceiling Non porous Size: 600mm x 600mm Thickness: 0.7mm	Sqft	1,206	750	904,500
				Amount	7,311,500.00
				G.S.T 17%	1,242,955.00
				Total Amount	8,554,455.00

Terms & Conditions

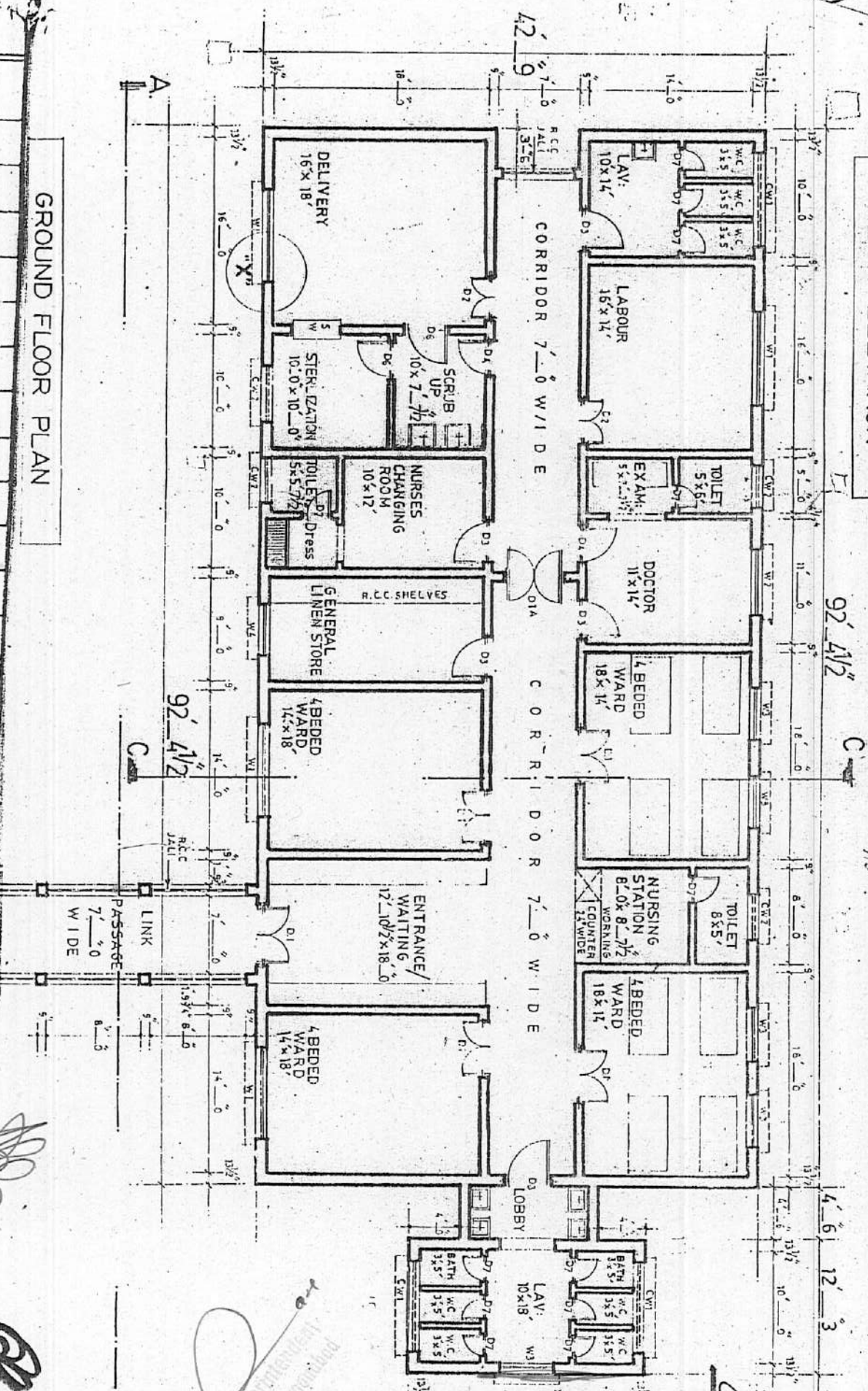
- 1- 70% advance payment 20% on delivery and balance upon completion of work.
- 2- Above prices are inclusive of G.S.T.
- 3- All civil work required will be under client's responsibility.
- 4- Final payment will be made as per actual material delivered at site after job completion.

Name: Affan Kaleem
Phone No: 0321-7177794
Email: affan@unimix.com.pk

Executive Engineer
Buildings Division
Bahawal Nagar.

REAR ELEVATION

GROUND FLOOR PLAN



Executive Engineer
Building Division
Bahawal Nagar.

GAYANE

Handwritten signature and date: 3/5

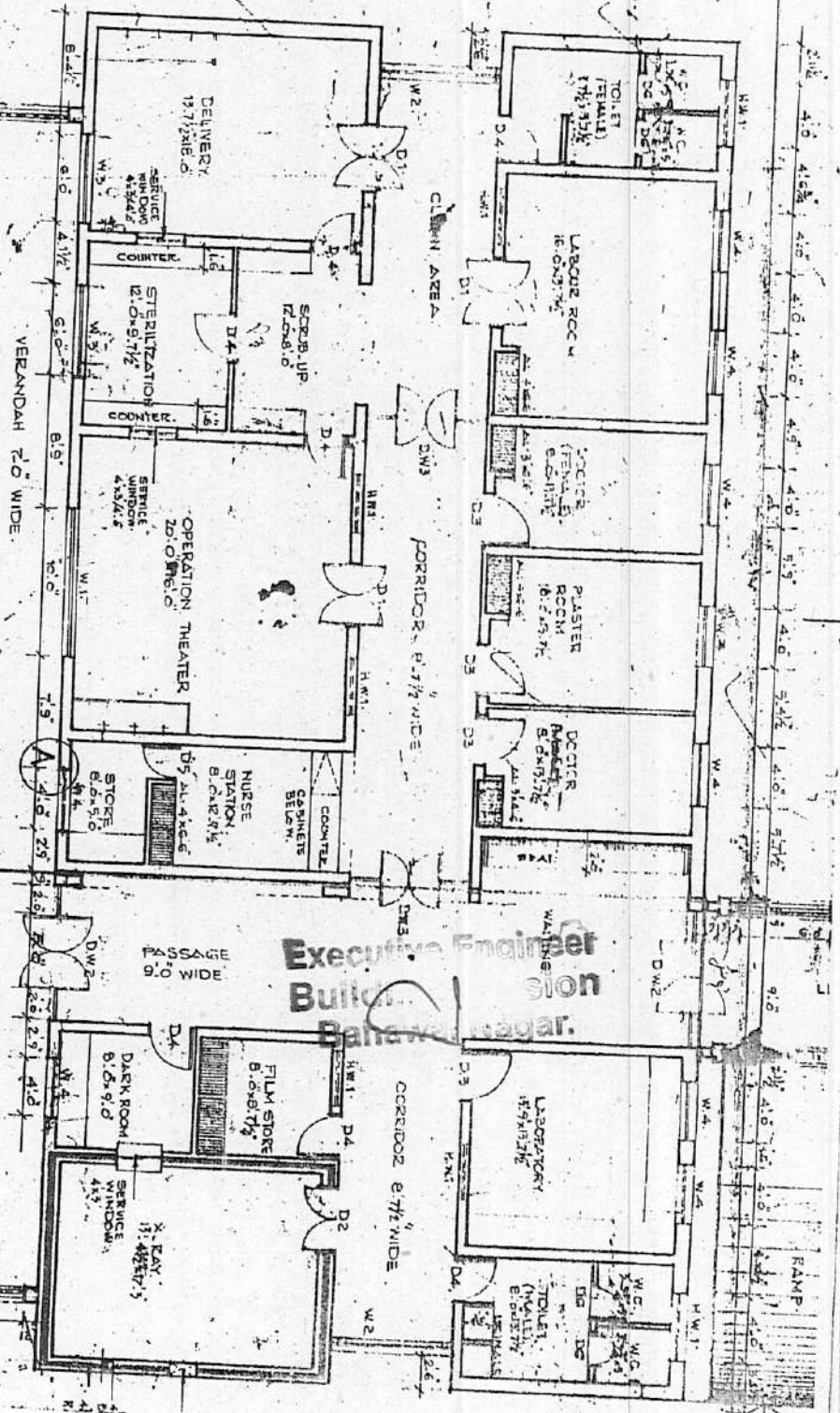
ORTHOPADIC/EYE

Medical Superintendent
Maharaja Hospital, Bikaner

PLAN

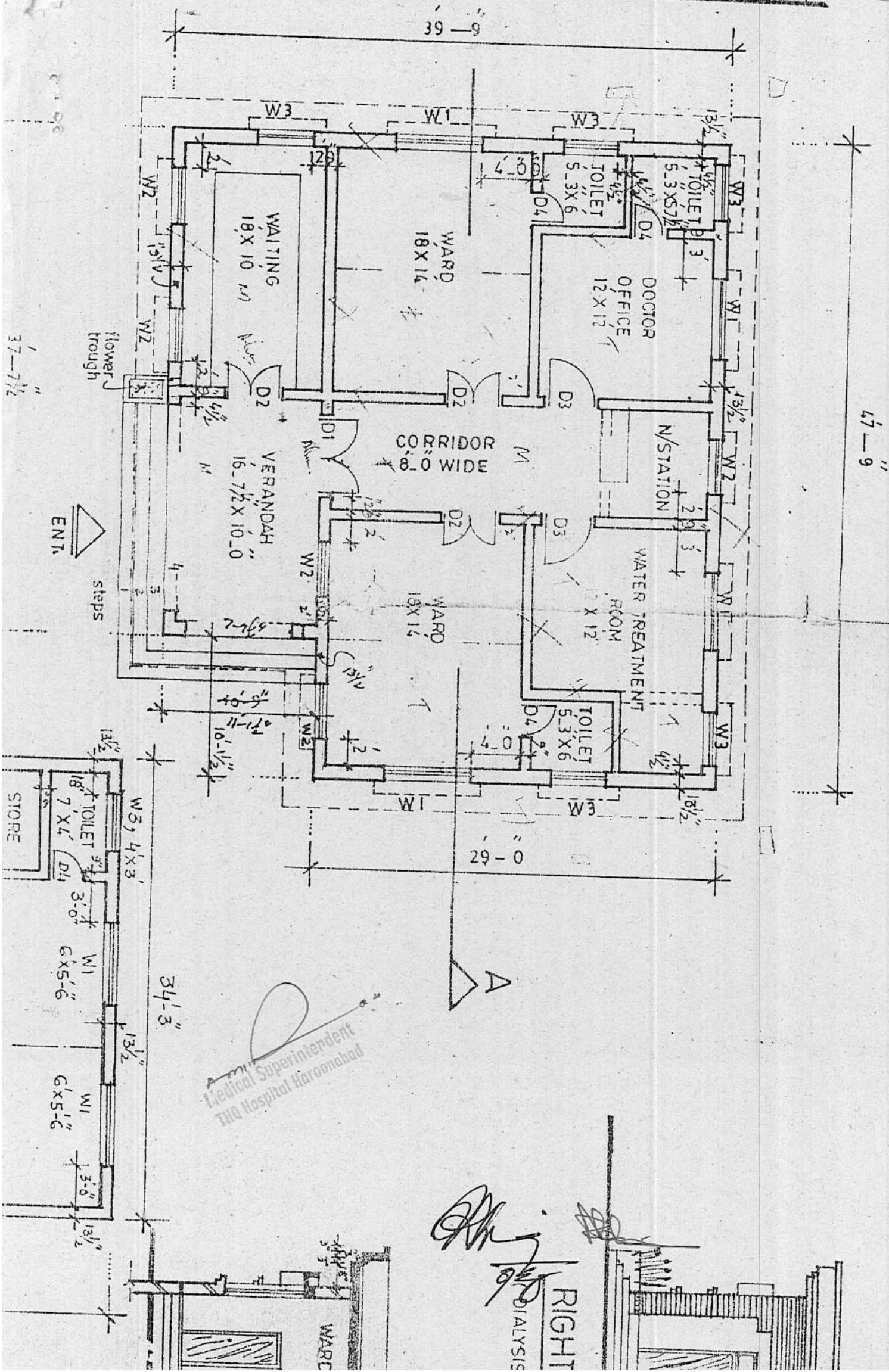
B.F.

LINK PASSAGE



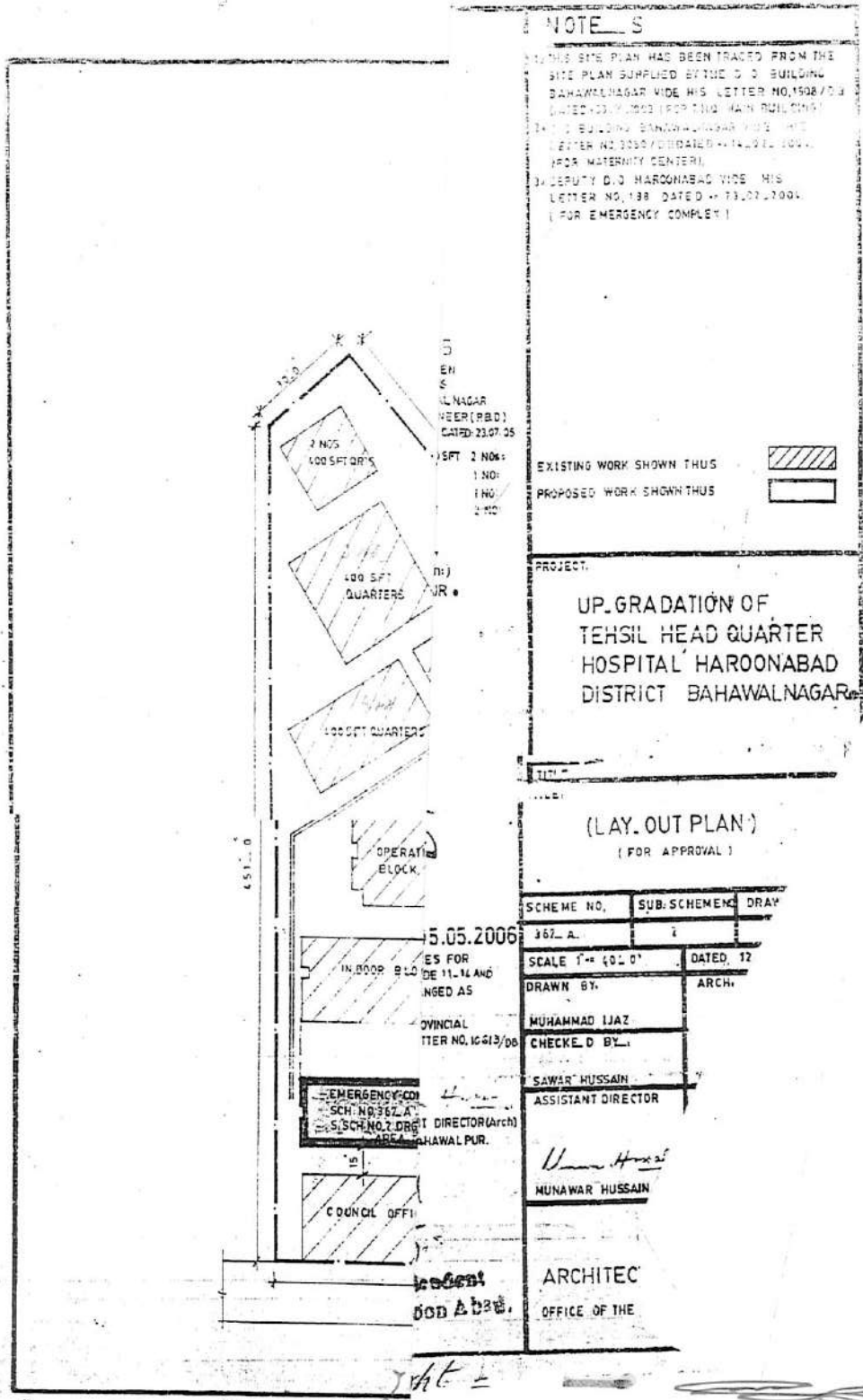
DIALYSIS Block

89



Medical Superintendent
Taq Hospital Haroonabad

RIGHT
DIALYSIS





NOTES

1. THIS SITE PLAN HAS BEEN TRACED FROM THE SITE PLAN SUPPLIED BY THE D.D. BUILDING BAHAWALNAGAR VIDE HIS LETTER NO.1508/03 DATED 23.07.2003 (FOR THE MAIN BUILDING)

2. D.D. BUILDING BAHAWALNAGAR VIDE HIS LETTER NO.3035/03 DATED 14.01.2004 (FOR MATERNITY CENTER)

3. DEPUTY D.D. HARONABAD VIDE HIS LETTER NO.198 DATED 19.07.2004 (FOR EMERGENCY COMPLEX)

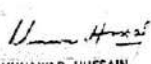
EXISTING WORK SHOWN THUS 

PROPOSED WORK SHOWN THUS 

PROJECT

UP. GRADATION OF
TEHSIL HEAD QUARTER
HOSPITAL HARONABAD
DISTRICT BAHAWALNAGAR

(LAY. OUT PLAN)
(FOR APPROVAL)

SCHEME NO.	SUB-SCHEME	DRAY
362. A.		
SCALE 1"= 40.0'	DATED 12	
DRAWN BY:	ARCH.	
MUHAMMAD IJAZ		
CHECKED BY:		
SAWIR HUSSAIN		
ASSISTANT DIRECTOR		
		
MUNAWAR HUSSAIN		

ARCHITECT
OFFICE OF THE

At = _____

e = _____

m = _____

System = _____

ply = _____

Executive Engineer
Building Division
Bahawalnagar.

5/12

PROVINCE

PUNJAB

DISTRICT

BHAWALNAGAR

DIVISION

BUILDINGS DIVISION
BAHAWALNAGAR

SUB DIVISION

BUILDINGS SUB DIVISION
HAROONABAD

NAME OF SCHEME

AMENDED DETAIL ESTIMATE FOR
REVAMPING OF THQ HOSPITAL AT
HAROONABAD

AMOUNT OF WORK

Rs. 14.210 (M)

DETAIL ESTIMATE FOR REVAMPING OF THQ HOSPITAL AT HAROONABAD

HISTORY.

The Govt of Punjab primary and Secondary Healthcare Department has Launched a Programme " Revamping of DHQ/THQ Hospitals" throughout the province. The basic purpose of this programme to improve the infrastructure of these Hospitals to facilitate the Public. Director infrastructure PMU, P&SHD desired vide his letter No. 7(78)/PO(PB)/P&D/2021 Dated 17-12-2021, The Governor of Punjab is pleased to accord amended Administrative Approval of 03 Sub schemes under block scheme titled " Programme for Revamping of all THQ Hospital in Punjab" GS No.792 of ADP 2021-22 one at THQ Hospital Haroonabad. A Detailed estimate amounting 14.210 (M) has been prepared for Technical Sanction

SCOPE OF WORK

Provision of the following items exists in the estimate

- 1- Improvement and renovation of main building.
- 2- Construction of 01 Fiber Glass Parking Shed (26' x 25')
- 3- Construction of 03 No. Fiber Glass Parking Shed (80' x 30')
- 4- Replacement of Sewer Line

SPECIFICATIONS

Work will be carried out according to PWD specifications.

COST.

Estimated cost of the work comes to Rs. 14.210 (M)

RATES.

Estimate is prepared on The basis of Plinth area Rates and MRS B Annual 1st 2022

TIME LIMIT

It will take 06 Months to complete the work.

CARRYING OUT OF WORK

Work will be carried out through approved Govt Contractor After calling Competitive Tenders as per usual practice of the Department

[Signature]
5/4

[Signature]
Sub Divisional Officer
Buildings Sub Division
Haroonabad

293

Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Lahore, the 21-01-2022

ORDER

No. PO(D-II)-237/2021: In supersession of this Department's order of even number, as per instructions issued by Planning & Development Board vide letter No. 7(78)-FO(PB)/P&D/2021, dated 17-12-2021, the Government of the Punjab is pleased to accord administrative approval of 03 sub-schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" GS No. 792 of ADP 2021-22 at a cost mentioned against each scheme, with a total of Rs. 203.588 million.

Sl. No.	Hospital	Capital Component	(Rs. in million)	
			Revenue Component	Total Cost
1	Revamping of THQ Hospital, Khairpur Tamawal District Bahawalpur	39.210	21.100	215.284
2	Revamping of THQ Hospital, Shakargarh District (Jalandhar)	108.522	20.424	534.243
3	Revamping of THQ Hospital, Haroonabad District Bahawalnagar	14.210	193.588	267.798

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

Capital Component

Grant No. 12042 (042) General and Building-Development Affairs-415 Construction and Transport-4153 Construction (Work and/or Building and structure)

Revenue Component

Grant No. FC-22936 (036) Development-377 Health-073 Hospital Services-0731-General Hospital Services-0731a-General Hospital Services


(IMRAN BIRKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN.

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

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


PLANNING OFFICER (D-II)

DETAIL ESTIMATE FOR REVAMPING OF THQ HOSPITAL AT HAROONABAD

ABSTRACT OF COST

<i>Improvement and Renovation of Main</i>			
1	Building, Degnostic Unit, Surgical Ward & Maternity Center.	Rs:	8414900
2	Construction of Fiber Glass Parking Sheds	Rs:	4061600
3	Improvement of Sewer System	Rs:	681300

Total	Rs:	13157800
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Add 3% Contingency	Rs:	394734
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Add 5% P.R.A	Rs:	657890
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Total	Rs:	14210424
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Say	Rs:	14210000
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14.210 (M)


Sub Engineer


Sub Divisional Officer
Buildings Sub Division,
Haroonaabad

Date

Estimate for the year 1981-82

Rupees 14,21,00,000

Executive Engineer
Buildings Division
Bahawal Nagar

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

Rate	3	5	6.5	55	SB
	1	8	8	182	
	1	6.5		251	
	1	10		140	
				651	

102 77 131856

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

	4	8	5	100	SB
	1	6.5	5	120	
	8	8	5	120	
	4	8	5	240	
	5	6.5	5	105	
	6	13	5	390	
	1	10	5	200	
	1	7	5	120	
				1715	

100 65 359550

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

Per sqm unit	2	10.75	5	172	SB
	1	18	5	181	
	1	18.25	5	186	
	1	30.5	5	484	
	1	12	5	126	
	1	13	5	183	
	1	13	5	187	
	1	23	5	242	
	1	17.5	5	193	
	1	45	5	315	
	1	16	5	256	
	1	11.5	5	184	
	2	8	5	172	
	1	16	5	256	
	1	13	5	180	
	1	12	5	188	
	1	12	5	182	
				3426	

102 17 1035471

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

Domestic unit Ver	2	121	5	1240	Sfr	
	2	90	5	900		
	2	50	5	500		
Operation Block	2	65	5	650		
	2	55	5	550		
	2	12 25	5	123		
	2	13 5	5	135		
	1	8	5	150		
	4	13 5	5	270		
	2	10	5	100		
	2	13 5	5	135		
	2	16	5	160		
	2	13 5	5	135		
	2	13 5	5	135		
	2	18	5	180		
	1	12	5	120		
	1	8	5	160		
	2	20	5	200		
	2	18	5	180		
	2	8	5	80		
	2	12	5	120		
	2	45	5	450		
			total	6833	302 25 Sfr	2065123
18 P/F P.V.C Pipe BSS clas B working presure 4" dia				250	382 70 Sfr	95675
19 1/2 thick cement plaster 1:4 after scraping old				3000	2934 70 Sfr	88041
20 Distemping 1 coat old surface						
Man Building	2	19 25	3 25	356	Sfr	
	2	17 25	6	311		
	1	20	47 5	1300		
	2	8	22 5	360		
	2	35 625	41 5	2957		
	2	8	21 375	342		
	2	8	15 375	198		
	2	4	0	72		
	6	5 625	6 625	75		
	2	5	6 625	65		
	2	5	6 5	65		
	2	11	12	264		
	4	11	1 25	55		
	2	5	12	120		
	2	10	14 625	313		
	1	11	10	110		
	2	12	15	456		
	2	5	12	120		
	2	5	6 625	65		
	2	13	15	722		
	1	11	10	219		
	1	67 5	8	540		
	1	30 5	0 5	375		
	1	27	15	513		
	1	6 5	12	65		
	1	6 5	9 75	67		
	1	10 25	8	62		
	1	13	15	130		
	1	18 25		143		

Diagnostic

1	8	12.833	103
1	8	5	40
1	12	8	96
1	12	9.652	116
1	13.625	18	245
1	7.625	13.625	104
1	16	13.625	218
1	8	13.625	109
1	10	13.625	136
1	31.25	8.625	270
1	54	8.625	466
1	80	7	560
1	38	9	342
3	18	9.875	632
1	25	15	375
1	9.75	12	117
1	11.5	16.25	187
1	11.5	10	115
1	12	11.5	138
1	52	18	936
1	22	8	176
1	6.5	8	52
1	11	8	88
1	8	9.5	76
1	6.25	14	88
1	11	11.25	124
1	10	14	140
1	4.25	18	77
1	12.5	14	175
1	16.75	14	235
1	30.5	7	214
1	24.5	17.5	429
1	10	5	50
1	14.5	9.5	138
1	15.5	4	62
1	14	12.5	175
2	19.25	9.25	356
2	17.25	9	311
2	20	47.5	1900
2	8	22.5	360
2	35.625	41.5	2957
2	8	21.375	342
2	8	12.375	198
2	4	9	72
2	5.625	6.625	75
2	5	6.625	65
2	5	6.5	65
2	11	12	264
4	11	12.5	55
2	5	12	120
2	10	15.625	313
1	11	10	110
2	12	14	456
2	5	12	120
2	5	6.625	65
2	19	19	722
1	11	19	209

1	67.5	5	540	"
1	39.5	9.5	375	"
1	27	19	513	"
1	6.5	9.5	62	"
1	6.5	8.75	57	"
1	10.25	6	62	"
1	13	10	130	"
1	18.75	9	169	"
1	8	12.833	103	"
1	8	5	40	"
1	12	5	96	"
1	12	9.652	116	"
1	13.625	18	245	"
1	7.625	13.625	104	"
1	16	18.625	218	"
1	8	13.625	109	"
1	10	13.625	136	"
1	31.25	8.625	270	"
1	54	8.625	466	"
1	80	-	560	"
1	38	9	342	"
3	18	9.875	533	"
1	25	15	375	"
1	9.75	12	117	"
1	11.5	16.25	187	"
1	11.5	10	115	"
1	12	11.5	138	"
1	52	18	936	"
1	22	8	176	"
1	6.5	8	52	"
1	11	8	88	"
1	8	9.5	76	"
1	6.25	14	88	"
1	11	11.25	124	"
1	10	14	140	"
1	4.25	18	77	"
1	12.5	14	175	"
1	16.75	14	235	"
1	30.5	7	214	"
1	24.5	17.5	429	"
1	10	5	50	"
1	14.5	9.5	138	"
1	15.5	4	52	"
1	14	12.5	175	"

37089

497.05 %off

184353

21 Distemping 2 coat old surface after scraping.

Main Building

2 x 2 (19.25 + 9.25) x 11.5	1311	SP
2 x 2 (17.25 + 9) x 11.5	1208	"
2 x 2 (20 + 47.5) x 11.5	3105	"
2 x 2 (8 + 22.5) x 11.5	1403	"
2 x 2 (35.625 + 41.5) x 11.5	3548	"
2 x 2 (8 + 21.375) x 11.5	1351	"
2 x 2 (8 + 12.375) x 11.5	937	"
2 x 2 (4 + 9) x 11.5	598	"
2 x 2 (5.625 + 6.625) x 11.5	564	"
2 x 2 (5 + 6.625) x 11.5	535	"
2 x 2 (5 + 6.5) x 11.5	529	"
2 x 2 (11 + 12) x 11.5	1058	"

$4 \times 2 (11 + 1.25) \times 11.5$	1127	"
$2 \times 2 (5 + 12) \times 11.5$	782	"
$2 \times 2 (10 + 15.625) \times 11.5$	1179	"
$1 \times 2 (11 + 10) \times 11.5$	483	"
$2 \times 2 (12 + 19) \times 11.5$	1426	"
$2 \times 2 (5 + 12) \times 11.5$	782	"
$2 \times 2 (5 + 6.625) \times 11.5$	535	"
$2 \times 2 (19 + 19) \times 11.5$	1748	"
$1 \times 2 (11 + 19) \times 11.5$	690	"
$1 \times 2 (67.5 + 8) \times 11.5$	1737	"
$1 \times 2 (39.5 + 9.5) \times 11.5$	1127	"
$1 \times 2 (27 + 19) \times 11.5$	1058	"
$1 \times 2 (6.5 + 9.5) \times 11.5$	368	"
$1 \times 2 (6.5 + 8.75) \times 11.5$	351	"
$1 \times 2 (10.25 + 6) \times 11.5$	374	"
$1 \times 2 (13 + 10) \times 11.5$	529	"
$1 \times 2 (18.75 + 9) \times 11.5$	638	"
$1 \times 2 (11 + 10) \times 11.5$	483	"
$2 \times 2 (12 + 19) \times 11.5$	1426	"
$2 \times 2 (5 + 12) \times 11.5$	782	"
$2 \times 2 (5 + 6.625) \times 11.5$	535	"
$1 \times 2 (8 + 12.833) \times 11.5$	479	"
$1 \times 2 (8 + 5) \times 11.5$	299	"
$1 \times 2 (12 + 8) \times 11.5$	460	"
$1 \times 2 (12 + 9.652) \times 11.5$	498	"
$1 \times 2 (13.625 + 18) \times 11.5$	727	"
$1 \times 2 (7.625 + 13.625) \times 11.5$	489	"
$1 \times 2 (16 + 13.625) \times 11.5$	681	"
$1 \times 2 (8 + 13.625) \times 11.5$	497	"
$1 \times 2 (10 + 13.625) \times 11.5$	543	"
$1 \times 2 (31.25 + 8.625) \times 11.5$	917	"
$1 \times 2 (54 + 8.625) \times 11.5$	1440	"
$1 \times 2 (80 + 7) \times 11.5$	2061	"
$1 \times 2 (38 + 9) \times 11.5$	1081	"
$3 \times 2 (18 + 9.875) \times 11.5$	1923	"
$1 \times 2 (25 + 15) \times 11.5$	920	"
$1 \times 2 (9.75 + 12) \times 11.5$	500	"
$1 \times 2 (11.5 + 16.25) \times 11.5$	638	"
$1 \times 2 (11.5 + 10) \times 11.5$	485	"
$1 \times 2 (12 + 11.5) \times 11.5$	541	"
$1 \times 2 (52 + 18) \times 11.5$	1610	"
$1 \times 2 (22 + 8) \times 11.5$	690	"
$1 \times 2 (6.5 + 8) \times 11.5$	334	"
$1 \times 2 (11 + 8) \times 11.5$	437	"
$1 \times 2 (8 + 9.5) \times 11.5$	403	"
$1 \times 2 (6.25 + 14) \times 11.5$	466	"
$1 \times 2 (11 + 11.25) \times 11.5$	512	"
$1 \times 2 (10 + 14) \times 11.5$	552	"
$1 \times 2 (4.25 + 18) \times 11.5$	512	"
$1 \times 2 (12.5 + 14) \times 11.5$	610	"
$1 \times 2 (16.75 + 14) \times 11.5$	707	"
$1 \times 2 (30.5 + 7) \times 11.5$	863	"
$1 \times 2 (24.5 + 17.5) \times 11.5$	966	"
$1 \times 2 (54 + 8.625) \times 11.5$	1440	"
$1 \times 2 (80 + 7) \times 11.5$	2061	"
$1 \times 2 (38 + 9) \times 11.5$	1081	"
$3 \times 2 (18 + 9.875) \times 11.5$	1923	"

Diagnostic

1 x 2 (25 + 15) x 11.5	320	"
1 x 2 (9.75 + 12) x 11.5	500	"
1 x 2 (11.5 + 16.25) x 11.5	638	"
1 x 2 (10 + 5) x 11.5	345	"
1 x 2 (14.5 + 9.5) x 11.5	552	"
1 x 2 (15.5 + 4) x 11.5	449	"
1 x 2 (14 + 12.5) x 11.5	610	"
1 x 2 (11.5 + 16.25) x 11.5	638	"
1 x 2 (11.5 + 10) x 11.5	495	"
1 x 2 (24.5 + 17.5) x 11.5	966	"
1 x 2 (10 + 5) x 7	210	"
1 x 2 (14.5 + 9.5) x 11.5	552	"
1 x 2 (15.5 + 4) x 11.5	449	"
1 x 2 (14 + 12.5) x 11.5	610	"
Total	72473	*23.45 S/sft 894785

22 Painting to door and windows 1 coat old surface

DOOR	2	2	3.5	9	126 SP
	13	2	2.75	8.5	608 "
	1	2	13.33	28.75	77 "
	1	2	11.75	28.75	68 "
	1	2	11.75	28.75	68 "
	1	2	7.375	28.75	42 "
	2	2	7.5	8.5	255 "
	1	2	3	9	54 "
	4	2	2.25	6.25	113 "
	4	2	4.5	9	324 "
	4	2	3.5	9	252 "
	5	2	3	9	324 "
	2	2	3	8.5	136 "
	1	2	6	8.5	102 "
	1	2	5	8.5	85 "
	1	2	4	7	56 "
	1	2	4.735	7.125	67 "
	1	2	3.33	7.125	47 "
	1	2	4.55	7	64 "
	1	2	3.5	7.125	50 "
	1	2	7.875	7.5	118 "
	1	2	5.525	7.125	80 "
	1	2	9.33	4	75 "
	1	2	4.5	4	36 "
	1	2	8	2.625	42 "
	1	2	5.125	2.875	29 "
	1	2	7.875	2.75	43 "
	1	2	13.5	2.75	74 "
	1	2	11.975	2.75	63 "
	2	2	4	7	112 "
	3	2	3	4	72 "
	2	2	2.5	2	20 "
	3	2	3.5	7	147 "
	2	2	4	7	112 "
	2	2	4	7	112 "
	1	4	3.5	7	98 "
	1	2	2.5	7	35 "
	2	2	3	8.5	102 "
	1	2	4	7	56 "
Total				4343	7647 S/sft 33214

23 Painting to saches fanliggts glazed gazed door and windows 1 coat old surface

W	25	3	4	5.5	1650 S ^h
	16	2	4	4	512 "
	1	2	3.5	8	56 "
	10	2	10.5	3	630 "
	11	3	3	4.5	446 "
	1	1	5	7	35 "
	1	1	4	7	28 "
	5	3	4	3.5	210 "
	10	2	4	3	240 "
	3	2	2	2	24 "
	6	2	3	5.5	198 "
	3	2	2.5	8.5	128 "
	3	2	5	2	60 "
	2	3	2	11	528 "
	9	3	10	5.5	1485 "
	2	3	5	5.5	198 "
	1	3	10	5.5	165 "

Total 6592 447 35 368 29489

24 Prepare surface and painting weatehr sheild paint of approved quality on external surface of building including prpration of surface and application of old surface

1	18.125	14.375	261 S ^h
1	11.375	14.375	164 "
1	10.625	14.375	153 "
1	17.75	14.375	255 "
1	18.125	14.375	261 "
1	11.375	14.375	164 "
1	77	14.375	1107 "
2	23	14.375	661 "
4	10.25	14.375	589 "
2	19.75	14.375	568 "
2	15	14.375	431 "
2	36	14.375	1035 "
4	7.5	14.375	431 "
4	11.75	14.375	675 "
2	21.75	14.375	625 "
1	31.5	14.375	453 "
1	4.5	14.375	65 "
1	10.5	14.375	151 "
1	31.75	14.375	456 "
1	87	14.375	1251 "
2	29	14.375	834 "
1	7.625	14.375	110 "
1	32.5	14.375	467 "
1	36.125	14.375	519 "
1	11	14.375	158 "
1	3.5	14.375	50 "
1	14.25	13	185 "
2	17	13	442 "
1	2.75	13	36 "
1	92.5	14.375	1330 "
1	8.125	14.375	117 "
1	6.25	14.375	90 "
1	39.75	14.375	571 "
1	107.5	14.375	1545 "

2	20.5	14.375	589 "
1	19	14.375	273 "
1	4.5	14.375	65 "
1	43.875	14.375	631 "
1	23.75	13	309 "
1	19	13	247 "
1	108.25	14.375	1556 "
1	8.125	14.375	117 "
1	10.5	14.375	151 "
1	39.75	14.375	571 "
1	115.75	14.375	1657 "
1	81.5	14.375	1172 "
1	8.125	14.375	117 "
1	8.5	14.375	122 "
1	43.875	14.375	631 "
1	58.5	14.375	841 "
1	36.5	14.375	525 "
1	10.625	20	213 "
1	17.75	20	355 "
1	18.125	14.375	261 "
1	11.375	14.375	164 "
1	10.625	14.375	153 "
1	17.75	14.375	255 "
1	10.5	14.375	151 "
1	10.625	14.375	153 "
1	3.5	14.375	50 "
1	31.75	14.375	456 "
1	87	14.375	1251 "
2	29	14.375	834 "
1	7.625	14.375	110 "
1	21.25	14.375	305 "
2	23	14.375	661 "
4	10.25	14.375	589 "
2	19.75	14.375	568 "
2	15	14.375	431 "
2	36	14.375	1035 "
4	7.5	14.375	431 "
4	11.75	14.375	676 "
1	11.375	14.375	164 "
1	77	14.375	1107 "
2	23	14.375	661 "
4	10.25	14.375	589 "
2	19.75	14.375	568 "
2	15	14.375	431 "
2	36	14.375	1035 "
4	7.5	14.375	431 "
1	8.125	14.375	117 "
1	6.25	14.375	90 "
1	39.75	14.375	571 "

40647 1722 15 758 700413

25 Providing and fixing of False ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9-10 mm over aluminium Tee's 1"x 1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminium angle of size 1" x 1" at corners/ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.

Operation Block	2	68	8	1088	SR
	1	55	7	385	"
	1	12.25	13.5	165	"
	2	8	13.5	216	"
	1	10	13.5	135	"
	1	16	13.5	216	"
	1	13.5	18	243	"
	2	12	8	192	"
	1	20	18	360	"
	1	8	12	96	"
	1	45	9	405	"
			total	3501	

76.75 p.sft 268731
Total 8431895


D/d cost of old material

1 Old door 17

@

17 No
1000 Each *17000
Total 17000
Net 8414895
Say 8414900


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad


Detailed Estimate for Construction of Fiber Glass Parking Shed

MRS, 1st BI-ANNUAL-2022 (1st JANUARY-2022 to 30th JUNE -2022)

Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2" 16-SWG supported on trusses of M.S angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in F:C:C (1:2:4) i/c the cost of excavation, cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge.

1	x	26	x	25.0	=	650	SH	
3	x	80	x	30.0	=	7200	SH	
Total						7850	SH	
					@	517.40	SH	Rs. 4061590/-
							Total	Rs. 4061590/-
							Say	Rs. 4061600/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haronabad


(108)

ROUGH COST ESTIMATE FOR REVAMPING (SEWERAGE SYSTEM) OF THQ HOSPITAL AT HAROONABAD

MRS, 1st BI-ANNUAL-2022 (1st JANUARY-2022 to 30th JUNE -2022)

Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: 0 ft. to 7.0 ft. (0 to 2.10 m) depth									
1	x	263	x	15	x	2	=	789	Cft
1	x	300	x	25	x	3	=	2250	Cft
Total								3039	Cft
@								7272.55	%o Cft
									Rs. 22101/-
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:									
2	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.								
	(9") i/d	1	x	263			=	263	Rft
Total								263	Rft
@								436.70	P.Rft
									Rs. 114852/-
	(12") i/d	1	x	300			=	300	Rft
Total								300	Rft
@								637.05	P.Rft
									Rs. 191115/-
3	Cost of manhole Detailed attached								
								=	15
@								23550	Each
									Rs. 353250/-
Total									Rs. 681318/-
Say									Rs. 681300/-



Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonaabad

DETAIL OF MANHOLE(4'x3'x3')

Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, in all types of soil except shingle, gravel and rock: 0 ft. to 7.0 ft. (0 to 2.10 m) depth												
1		1	x	5 1/2	x	4 1/2	x	4	=	99	Cft	
									Total	99	Cft	
									@	7272.55	% Cft	Rs. 720/-
Cement concrete brick or stone ballast 1 1/2 " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1 : 2 : 4												
2		1	x	5 1/2	x	4 1/2	x	1/2	=	12	Cft	
									Total	12	Cft	
									@	14069.10	% Cft	Rs. 1741/-
Pacca brick work other than building upto 10ft. (3 m) height cement, sand mortar: 1:4 ratio												
3		2	x	5 1/2	x	3/4	x	3	=	25	Cft	
		2	x	3	x	3/4	x	3	=	14	Cft	
									Total	38	Cft	
									@	23378.15	% Cft	Rs. 8942/-
Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate Ratio 1: 2: 4												
4	bed manhole	1	x	4	x	3	x	1/6	=	2	Cft	
									Total	2	Cft	
									@	28918.55	% Cft	Rs. 578/-
Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other complete in all respects.-Type C (nominal mix 1: 2: 4) i/correction in position												
5	slab manhole	1	x	5 1/2	x	4 1/2	x	1/3	=	8	Cft	
									Total	8	Cft	
									@	425.10	P.Cft	Rs. 3472/-
Fabrication of mild steel reinforcement for cement concrete,including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars): Plain bars Grade-40												
6		1	x	8 1/6	x	6 3/4	x	4/9	=	25	Kg	
									Total	25	Kg	
									@	25941.95	% Kg	Rs. 6493/-
Cement plaster 1:4 upto 20' (6.00 m) height:- 1/2" (13 mm) thick												
	inside	1 x 2	(	4	+	3	)	3 3/4	=	53	Sft	
	Out side	1 x 2	(	4	+	5 1/2	)	1/2	=	10	Sft	
									Total	62	Sft	
									@	2591.50	% Sft	Rs. 1607/-
									Total			Rs. 23553/-
									Say			Rs. 23550/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Haroonabad

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

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

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO21010598
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:LO21010598
A/C To be Credited:Account-I

		PKR Million
Sr #	Object Code	
Total		

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

10. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	56.000	15.858	2.796	3.414	4.892	7.570	90.531
Utilization	37.569	15.416	2.613	2.764	4.568	0.749	63.680

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	12.235	1.975	14.210
Utilization	0	0	0	0	12.235	0.640	12.875

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 employment 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

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

11.3 PACT ANALYSIS

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11.4 ECONOMIC ANALYSIS

Impact of Delays on Project Cost and Viability

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

11.5 FINANCIAL ANALYSIS

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

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12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

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13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. Adeel Aslam

Designation:Project Director, PMU P&SHD

Email:

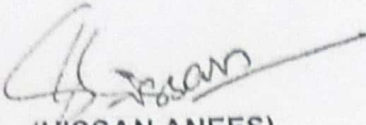
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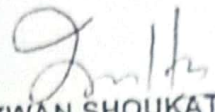
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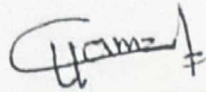
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

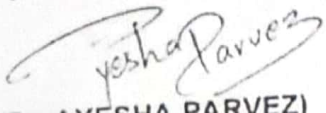
Prepared By:



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


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

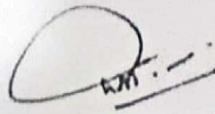

(HAMZA NASEEM)
PROJECT MANAGER CIVIL, PMU,
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

Checked By:


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


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

Approved By:


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

17. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Haroonabad District Bahawalnagar

20. MARGINALISATION OF PC-1

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

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