



PC-1

Revamping of THQ Hospital, Bhalwal District Sargodha

ORIGINAL APPROVED COST	PKR Million. 361.429/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Bhalwal District Sargodha

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. SARGODHA

2.2. TEHSIL(S)

I. BHALWAL

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: 5262
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

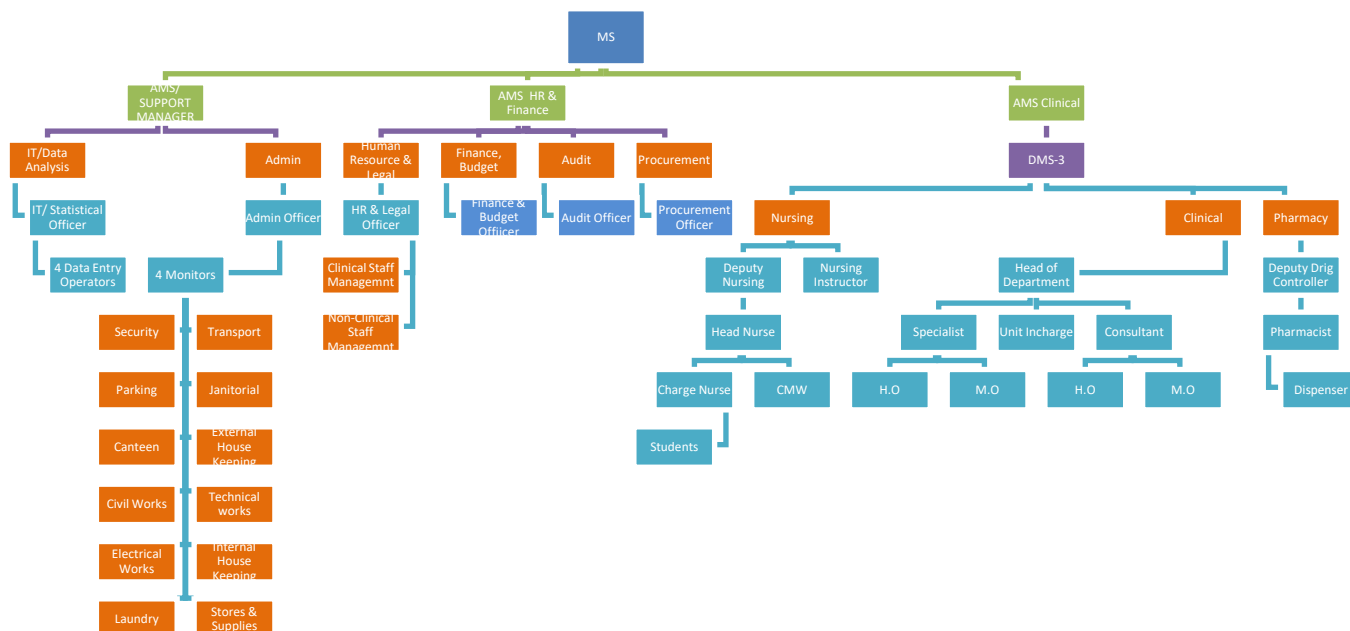
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

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/Matresses
- 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-1. The Population of Bhalwal District Sargodha is more than 0.492 million. The area of the THQ Hospital Bhalwal District Sargodha is 350,567 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 Bhalwal District Sargodha

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

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

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

Justification for 3rd Revision of PC-I

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

Name of Posts	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:LO17011139
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	103.541	0.000	100.000	0.000	100.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	103.541	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:LO21010596
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	37.888	0.000	20.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	37.888	0.000	20.000	0.000	0.000	0.000

Abstract of Cost

Name of THQ Hospital	Revamping of THQ Hospital of Bhalwal District Sargodha														
	Original			1st Revised			2nd Revised			Amended Cost			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	25.678	25.678	0.000	25.678	25.678	42.374	10.000	52.374	42.671	10.000	52.671	44.031	10.000	54.031
External development	0.000	3.389	3.389	0.000	3.389	3.389	3.315	0.000	3.315	4.067	0.000	4.067	12.015	0.000	12.015
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	1.953	0.000	1.953	3.141	0.000	3.141	1.842	0.000	1.842
Total Capital Component	0.000	34.667	34.667	0.000	34.667	34.667	47.643	10.000	57.643	49.879	10.000	59.879	57.888	10.000	67.888
Emergency	0.000	20.238	20.238	0.000	20.238	20.238	0.000	27.786	27.786	0.000	27.786	27.786	0.000	47.106	47.106
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	49.130	49.130	0.000	49.130	49.130	0.000	67.371	67.371	0.000	67.371	67.371	0.000	104.938	104.938
Electricity	0.000	14.225	14.225	0.000	14.225	14.225	0.000	14.225	14.225	0.000	14.225	14.225	0.000	27.451	27.451
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	3.371	3.371	0.000	3.371	3.371	0.000	4.695	4.695	0.000	4.695	4.695	0.000	4.695	4.695
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	36.500	36.500	0.000	36.500	36.500	0.000	53.093	53.093
LC Deficit during procurement (currency fluctuation)								2.312	2.312		2.312	2.312		2.312	2.312
Total Revenue component	0.000	142.450	142.450	0.000	142.450	142.450	0.000	194.362	194.362	0.000	194.362	194.362	0.000	293.541	293.541
Outsourcing component															
Janitorial Services	0.000	15.300	15.300	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	6.370	6.370	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	40.027	40.027	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	1.670	1.670	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	3.681	3.681	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	3.691	3.691	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	78.786	78.786	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	255.903	255.903	0.000	177.117	177.117	47.643	204.362	252.005	49.879	204.362	254.241	57.888	303.541	361.429
Contingency (1%) only on Civil Component	0.000	0.347	0.347	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	2.559	2.559	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	2.559	2.559	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	261.368	261.368	0.000	177.117	177.117	47.643	204.362	252.005	49.879	204.362	254.241	57.888	303.541	361.429

Emergency Equipment

Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity	Unit Price	Total Cost(Rs)	Required Quantity	Unit Price	Total Cost(Rs)	Required Quantity	Unit Price	Total Cost(Rs)	Required Quantity	Unit Price	Total Cost(Rs)
				(T=5+S=0+E=7)			(T=5+S=0+E=7)			(T=5+S=0+E=7)			(T=5+S=0+E=7)		
1	Reception Area	Table	0		99,750	-		99,750	-		99,750	-		99,750	-
2		Chairs	0		26,775	-		26,775	-		26,775	-		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	5	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	5	15,750	78,750	5	15,750	78,750	5	30,000	150,000	5	30,000	150,000
7		Gurney WITH FOOT STEP)*(N)	3	5	420,000	2,100,000	5	420,000	2,100,000	5	460,000	2,300,000	5	800,000	4,000,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paed's & adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped) *(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17		MEDICINE TROLLEY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	2,500,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-		420,000	-		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-		259,350	-		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-		125,265	-		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-		420,000	-		-	-		-	-
32		Resuscitation Trolley (fully equipped) *(N)	1		237,618	-		237,618	-		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-		302,605	-		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-		104,000	-		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-		301,665	-		550,000	-		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-		169,785	-		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-		15,750	-		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-		3,150	-		4,000	-		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-		5,250	-		8,000	-		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	7	210,000	1,470,000	7	210,000	1,470,000	7	400,000	2,800,000	7	600,000	4,200,000
41	7	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42		Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Unit Price	Total	Required Quantity	Unit Price	Total	Required Quantity	Unit Price	Total	Required Quantity	Unit Price	Total
44	Emergency ward	B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped) *(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paed with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				20,237,695			20,237,695		#####	27,786,235		#####	47,106,200
						20.238			20.238		350,000.00	27.786		350,000.00	47.106

MSDS

Sr. No.	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	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	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	Total Cost(Rs)	Quantity Required	Unit Price	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	Required Quantity	Cost per Unit	Total Cost	Required Quantity	Cost per Unit	Total Cost	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	2	0	449,295	-	0	449,295	-	0	550,000	-	0	550,000	-
2		Hematology Analyzer	1	0	1	427,350	427,350	1	427,350	427,350	1	550,000	550,000	1	750,000	750,000
3		Electrolyte Analyzer	1	1	0	427,350	-	0	427,350	-	0	550,000	-	0	550,000	-
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	2,744,858	-	0	3,200,000	-	0	1,400,000	-
5		Clinical Microscope	1	2	0	132,825	-	0	132,825	-	0	180,000	-	0	250,000	-
6		Water Bath	1	0	1	60,000	60,000	1	60,000	60,000	1	157,500	157,500	1	325,000	325,000
7		Hot air Oven	1	0	1	210,000	210,000	1	210,000	210,000	1	385,000	385,000	1	450,000	450,000
8		Distilled water plant	1	0	1	52,500	52,500	1	52,500	52,500	1	75,000	75,000	1	125,000	125,000
9		Auto pipettes	10	5	5	31,500	157,500	5	31,500	157,500	5	40,500	202,500	5	45,000	225,000
10		glass wares	0	1	0	105,000	-	0	105,000	-	0	105,000	-	0	105,000	-
11		Centrifuge Machine	2	3	0	149,336	-	0	149,336	-	0	250,000	-	0	400,000	-
12	X-Rays	Static X-ray Machine	1	1	0	4,200,000	-	0	4,200,000	-	0	6,000,000	-	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	3,850,524	-	0	4,300,000	-	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	4,018,245	-	0	4,500,000	-	0	4,500,000	-
15		Dental X-Ray	0	0	0	282,975	-	0	282,975	-	0	350,000	-	0	525,000	-
16		Lead apron and PPE	2	1	1	52,500	52,500	1	52,500	52,500	1	60,000	60,000	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	210,000	-	0	210,000	-	0	250,000	-
18		Lead glass /shield	0	2	0	105,000	-	0	105,000	-	0	105,000	-	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	525,000	-	0	525,000	-	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	1,371,331	-	0	1,500,000	-	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	1	3,698,310	3,698,310	1	4,500,000	4,500,000	1	5,500,000	5,500,000
22	CCU	ICU MONITOR	2	0	2	301,665	603,330	2	301,665	603,330	2	900,000	1,800,000	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	315,000	-	0	315,000	-	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
25		ECG Machine Three Channel	2	0	2	169,785	339,570	2	169,785	339,570	2	169,785	339,570	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	2,021,838	-	0	2,200,000	-	0	3,000,000	-
27		Color doplor RADIOLOGY	0	0	0	4,681,790	-	0	4,681,790	-	0	4,800,000	-	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
29		Blood Cabinet	1	1	0	690,539	-	0	690,539	-	0	700,000	-	0	1,500,000	-
30	Blood Bank	Centrifuge Machine	2	1	1	149,336	149,336	1	149,336	149,336	1	250,000	250,000	1	400,000	400,000
31		Slide viewer	1	1	0	42,000	-	0	42,000	-	0	55,000	-	0	55,000	-
32		Clinical Microscope	1	1	0	132,825	-	0	132,825	-	0	180,000	-	0	250,000	-
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	5	1,050,000	5,250,000	5	1,600,000	8,000,000	5	3,200,000	16,000,000
34	Nursery	Baby Cot	10	1	9	14,669	132,017	9	14,669	132,017	9	16,000	144,000	9	16,000	144,000
35		Phototherapy Unit	2	1	1	130,200	130,200	1	130,200	130,200	1	655,000	655,000	1	850,000	850,000
36		Infant Warmer	2	1	1	335,638	335,638	1	335,638	335,638	1	985,000	985,000	1	1,050,000	1,050,000
37		Pulse Oximeter	6	1	5	104,500	522,500	5	104,500	522,500	5	160,000	800,000	5	225,000	1,125,000
38		Infant Incubator	2	1	1	858,932	858,932	1	858,932	858,932	1	900,000	900,000	1	1,750,000	1,750,000
39		Suction Pump	1	0	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	125,265	125,265	1	215,000	215,000	1	300,000	300,000
41	O.T (04)	Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	0	2,509,554	-	0	3,000,000	-	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	2	441,000	882,000	2	550,000	1,100,000	2	1,200,000	2,400,000
43		Defibrillator	2	0	2	308,713	617,425	2	308,713	617,425	2	650,000	1,300,000	2	800,000	1,600,000
44		Electrosurgical Unit	1	1	0	507,530	-	0	507,530	-	0	700,000	-	0	900,000	-
45		Operation Table	1	2	0	1,426,215	-	0	1,426,215	-	0	2,000,000	-	0	2,500,000	-
46		Ceiling Operating Light	1	2	0	413,013	-	0	413,013	-	0	800,000	-	0	950,000	-
47		STEAM STERILIZER	1	2	0	3,465,000	-	0	3,465,000	-	0	4,000,000	-	0	7,800,000	-
48		Suction Pump	2	0	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	1	1	244,733	244,733	1	244,733	244,733	1	400,000	400,000	1	600,000	600,000
50		mayo table	4	0	4	21,000	84,000	4	21,000	84,000	4	23,000	92,000	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	1	304,220	304,220	1	400,000	400,000	1	900,000	900,000

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	Required Quantity	Cost per Unit	Total Cost	Required Quantity	Cost per Unit	Total Cost	Required Quantity	Cost per Unit	Total Cost
52	Orthopedic	Operation Table	0	0	0	1,426,215	-	0	1,426,215	-	0	2,000,000	-	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	1,108,740	-	0	1,500,000	-	0	4,000,000	-
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	1	276,250	276,250	1	450,000	450,000	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	262,500	-	0	262,500	-	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	432,623	-	0	550,000	-	0	550,000	-
57	Gynea (20 beds)	Portable/Mobile Ultrasound	1	1	0	1,418,958	-	0	1,418,958	-	0	1,500,000	-	0	2,400,000	-
58		Autoclave	1	4	0	441,000	-	0	441,000	-	0	550,000	-	0	850,000	-
59		Delivery Set	10	3	7	31,500	220,500	7	31,500	220,500	7	40,000	280,000	7	65,000	455,000
60		Delivery Table	2	2	0	47,250	-	0	47,250	-	0	47,250	-	0	55,000	-
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	2	294,000	588,000	2	550,000	1,100,000	2	1,200,000	2,400,000
62		D & C Set	2	3	0	34,650	-	0	34,650	-	0	40,000	-	0	60,000	-
63		Vacume Extractor	1	0	1	259,350	259,350	1	259,350	259,350	1	300,000	300,000	1	350,000	350,000
64		CTG Machine	1	1	0	628,049	-	0	628,049	-	0	725,000	-	0	900,000	-
65		ECG Machine Three Channel	1	2	0	169,785	-	0	169,785	-	0	180,000	-	0	300,000	-
66		Portable O.T Light	2	4	0	304,220	-	0	304,220	-	0	400,000	-	0	900,000	-
67		Baby Cot	2	1	1	14,669	14,669	1	14,669	14,669	1	16,000	16,000	1	16,000	16,000
68		Delivery trolley	2	2	0	47,250	-	0	47,250	-	0	47,250	-	0	47,250	-
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	0	144,375	-	0	175,000	-	0	200,000	-
70		Surgical Emergency (10 beds)	Steam Sterilizer	0	0	0	3,355,849	-	0	3,355,849	-	0	4,000,000	-	0	7,800,000
71	Operation Table		0	2	0	1,426,215	-	0	1,426,215	-	0	2,000,000	-	0	2,500,000	-
72	MOBILE OPERATING LIGHT		0	1	0	285,466	-	0	285,466	-	0	400,000	-	0	900,000	-
73	Suction Pump		0	1	0	259,350	-	0	259,350	-	0	275,000	-	0	300,000	-
74	Laryngoscope		0	0	0	9,744	-	0	9,744	-	0	12,000	-	0	20,000	-
75	Others	Set of Surgical Instruments	0	4	0	141,750	-	0	141,750	-	0	160,000	-	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	10	68,250	682,500	10	69,300	693,000	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	10	31,500	315,000	10	35,000	350,000	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	6	4,200	25,200	6	4,500	27,000	6	5,148	30,888
79		Resuscitation trolley With Crash Cart	5	0	5	237,618	1,188,091	5	237,618	1,188,091	5	400,000	2,000,000	5	600,000	3,000,000
80		BP Appratus	15	3	12	15,750	189,000	12	15,750	189,000	12	16,000	192,000	12	16,000	192,000
81		Ventilator	0	0	0	2,195,080	-	0	2,195,080	-	0	3,500,000	-	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	1	1,098,510	1,098,510	1	2,100,000	2,100,000	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	1	858,440	858,440	1	925,000	925,000	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	2	94,500	189,000	2	100,000	200,000	2	140,000	280,000
85	ICU	Image Intensifier	0	0	0	4,667,460	-	0	4,667,460	-	0	4,667,460	-	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	7	850,000	5,950,000	7	-	-	7	-	-
87		Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	4	210,000	840,000	4	400,000	1,600,000	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	4	15,750	63,000	4	30,000	120,000	4	35,000	140,000
89		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
90		Defibrillator	1	0	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	330,750	-	0	650,000	-	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	169,785	-	0	180,000	-	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	1	108,780	108,780	1	125,000	125,000	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	259,350	-	0	275,000	-	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	298,200	-	0	900,000	-	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	1	55,000	55,000	1	55,000	55,000	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	-	-	0	-	-	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	2	1,600,000	3,200,000	2	3,500,000	7,000,000	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	1,098,510	-	0	2,100,000	-	0	2,800,000	-
100		DELIVERY TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	1	23,835	23,835	1	47,250	47,250	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	4	17,325	69,300	4	19,000	76,000	4	19,000	76,000
102	Ambu-Bag, paed	4	0	4	17,325	69,300	4	17,325	69,300	4	19,000	76,000	4	19,000	76,000	

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	Required Quantity	Cost per Unit	Total Cost	Required Quantity	Cost per Unit	Total Cost	Required Quantity	Cost per Unit	Total Cost
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	1	2,470,546	2,470,546	1	3,000,000	3,000,000	1	3,500,000	3,500,000
104		Dental Unit	2	0	2	2,190,000	4,380,000	2	2,190,000	4,380,000	2	2,820,000	5,640,000	2	2,820,000	5,640,000
105	Dental Unit	Autoclave	1	0	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	1	282,975	282,975	1	350,000	350,000	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	94,500	-	0	150,000	-	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	84,000	-	0	160,000	-	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	1	120,750	120,750	1	175,000	175,000	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	1	52,500	52,500	1	95,000	95,000	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	1	199,601	199,601	1	265,000	265,000	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	42,000	-	0	70,000	-	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	4	157,500	630,000	4	175,000	700,000	4	175,000	700,000
114		Shortwave diathermy	1	0	1	844,562	844,562	1	844,562	844,562	1	1,500,000	1,500,000	1	2,750,000	2,750,000
115	Physiotherapy unit	Infrared Radiation	1	0	1	142,916	142,916	1	142,916	142,916	1	315,222	315,222	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	1	132,577	132,577	1	275,000	275,000	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	4	10,080	40,320	4	75,000	300,000	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	3	6,300	18,900	3	20,000	60,000	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	1	131,782	131,782	1	253,485	253,485	1	1,053,000	1,053,000
120		C. Paraffin bath	1	0	1	154,082	154,082	1	154,082	154,082	1	308,071	308,071	1	819,000	819,000
121		Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	1	141,748	141,748	1	275,000	275,000	1	819,000	819,000
122		Treadmill	1	0	1	335,111	335,111	1	335,111	335,111	1	950,000	950,000	1	1,404,000	1,404,000
123		Mats	1	0	1	75,817	75,817	1	75,817	75,817	1	150,000	150,000	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	1	189,164	189,164	1	425,000	425,000	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	1	66,087	66,087	1	175,000	175,000	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	1	24,640	24,640	1	45,000	45,000	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	1	87,821	87,821	1	150,000	150,000	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	1	41,826	41,826	1	128,594	128,594	1	409,500	409,500
129		Trolleys	4	0	4	2,520	10,080	4	2,520	10,080	4	35,000	140,000	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	4	2,520	10,080	4	7,000	28,000	4	10,000	40,000
131	Beds	Fowler beds with Mattress	60	0	60	70,000	4,200,000	60	70,000	4,200,000	60	110,000	6,600,000	60	150,000	9,000,000
		Total					49,130,458			49,130,458			67,371,191			104,938,138
							49.130			49.130			67.371			104.938

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
5	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	1	4,500,000	4,500,000
6	2 Ton air conditioners (split)	40	55,500	2,220,000	40	55,500	2,220,000	40	55,500	2,220,000	40	139,150	5,566,000
7	2 Ton air conditioners (Cabinet)	9	78,000	702,000	9	78,000	702,000	9	78,000	702,000	9	187,200	1,684,800
8	4 Ton air conditioners (Cabinet)	5	120,000	600,000	5	120,000	600,000	5	120,000	600,000	5	353,899	1,769,495
9	Ceiling Fans 56"	100	3,090	309,000	100	3,090	309,000	100	3,090	309,000	100	6,975	697,500
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	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total	266	12,912,870	14,225,160	266	12,912,870	14,225,160	266	12,912,870	14,225,160	268	16,546,824	27,450,995
				14.225			14.225			14.225			27.451

IT & QMS & Surveillance

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Desktop, UPS, LED	30	75,000	2,250,000	30	75,000	2,250,000	30	130,000	3,900,000	30	216,000	6,480,000
2	MS Windows License	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000
3	Scanner Flatbed with ADF	3	90,000	270,000	3	90,000	270,000	3	150,000	450,000	3	150,000	450,000
4	Heavy duty Printer	7	40,000	280,000	7	40,000	280,000	7	50,000	350,000	7	110,000	770,000
5	Multimedia Projector with Screen	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
6	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

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	7	10,017	70,119	7	10,017	70,119	7	13,951	97,657	7	13,951	97,657
2	A2	External Platform/Road Signage (Triangular)	7	9,163	64,141	7	9,163	64,141	7	12,762	89,337	7	12,762	89,337
3	B1	Main Directional Board	1	111,359	111,359	1	111,359	111,359	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	12	14,308	171,696	12	14,308	171,696	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	22,268	22,268	1	22,268	22,268	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,854	29,854	1	29,854	29,854	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,867	36,867	1	36,867	36,867	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,771	44,771	1	44,771	44,771	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,274	52,274	1	52,274	52,274	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,864	23,592	3	7,864	23,592	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	46,729	327,103	7	46,729	327,103	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	3	40,771	122,313	3	40,771	122,313	3	56,788	170,365	3	56,788	170,365
		Internal Signage	0	-	-	0	-	-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,955	449,775	5	89,955	449,775	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	68,489	342,445	5	68,489	342,445	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	5	50,724	253,620	5	50,724	253,620	5	70,651	353,255	5	70,651	353,255
4	F4	Internal Hanging Signage (Corridor 2)	5	51,312	256,560	5	51,312	256,560	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	7	12,974	90,818	7	12,974	90,818	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,729	74,580	20	3,729	74,580	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	110	858	94,380	110	858	94,380	110	1,194	131,362	110	1,194	131,362
8	K1	Internal Wall Signage	110	1,408	154,880	110	1,408	154,880	110	1,961	215,754	110	1,961	215,754
9	L1	Room Numbers Fixed on Wall	60	3,574	214,440	60	3,574	214,440	60	4,978	298,704	60	4,978	298,704
10	M1	Advance Fire Exit Sign	10	1,819	18,190	10	1,819	18,190	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,258	12,580	10	1,258	12,580	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,410	48,200	20	2,410	48,200	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,875	104,375	5	20,875	104,375	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,151	53,775	25	2,151	53,775	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	647	3,235	5	647	3,235	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,132	11,320	10	1,132	11,320	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	879	13,185	15	879	13,185	15	1,225	18,375	15	1,225	18,375
		Total			3,272,715			3,272,715			4,558,390			4,558,390
		Designing and Site Supervision			98,181			98,181			136,752			136,752
		Grand Total			3,370,896			3,370,896			4,695,142			4,695,142
					3.371			3.371			4.695			4.695

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
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
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

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
	TOTAL			1,600,000			1,600,000			1,600,000			1,600,000
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of 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 OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17.220				17.220				28.140					40.473
	Utilization of HR Component								8.360				12.62					
	Total of HR Component												36.50					53.093

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:</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>
Covered area excluding residential area	53,351	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	7	Persons	
Road and ROW area	77,203	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	5	Persons	
Number of washroom blocks	12	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	4	Persons	
Total sweeper in morning shift	16	Persons	
Total number of sweepers in evening shift	8	Persons	
Total number of sweepers in night shift	8	Persons	
Total number of sweepers in all shifts	32	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	33	22,000	8,771,910
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)			15,299,910
15,300			

15.300

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-I.</p>
Covered area excluding residences	53,351				
Covered Area per guard	15,000				
Number of guards	4				
Open area excluding parking area	77,203				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	5				
Number of gates	3				
Number of guards at gates	6				
Total No of Guard	15				
Total number of all guards for second shift	7				
Lady Searcher	4				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
Type of worker	No of workers	Salary per month	Salary per Month for all Person	Salary for One year	No of workers
Supervisors	2	24,675	49,350	592,200	2
Ex-Army	7	21,525	150,675	1,808,100	7
Civilian	10	21,000	210,000	2,520,000	10
Lady Searcher	4	21,525	86,100	1,033,200	4
Parking	2	21,525	43,050	516,600	2
Sub total				6,470,100	
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				6,370,100	
				6.370	

Laundry Services

	Original			From 1st Revised to onward
Type of Item	Qunatity	Unit cost	Total cost	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&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>
Hygwine Barrier Washer 50 KG	4	4,481,490	17,925,960	
Drying Tumbler (100kg Lenin) 40 kg/Each Machine	2	1,252,519	2,505,038	
Drying Tumbler (100kg Lenin) 20 kg/Each Machine	1	942,262	942,262	
Flat Work Ironer	1	2,591,910	2,591,910	
Utility Press	1	1,264,010	1,264,010	
Hand Ironer with Table	1	551,568	551,568	
Spotting Machnie / Stain Removal	1	367,712	367,712	
Sewing Machine	1	115,000	115,000	
Packing / Sorting Table (Local / Imported)	1	85,000	85,000	
Dirty Linen Collection Trolley (Local / Imported)	2	65,000	130,000	
Clean Linen Distribution Trolley (Local / Imported)	2	105,000	210,000	
Storage Racks (Local/Imported)	2	112,000	224,000	
Dirty Linen Storage Bin (Local / Imported)	30	55,000	1,650,000	
Clean Linen Storage Cupboard(Local / Imported)	30	115,000	3,450,000	
Weighing Scale	1	115,000	115,000	
Electric Power Generator (200 KVA)	1	4,900,000	4,900,000	
Sub total of laundry items			37,027,460	
Type of Item	No of Beds	Per bed cost per year	Cost of One year	
No of Bed	60	30,000	1,800,000	
Transport Charges			1,200,000	
Sub total of laundry items	60	30,000	3,000,000	
Total for laundry items			40,027,460	
Total			40.027	

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)	-	300,000	-	
Number of Generators (50 KVA)	1	175,000	175,000	
Repairs Cost	1	175,000	175,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	-	-	
Total			1,670,000	
			1.670	

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	66	6,665	439,890	439,890	
Fridge	4	4,000	16,000	16,000	
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				1,076,890	
General Total				3,680,890	
				3.681	

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)	<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>
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				
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	10,537	20	210,740
1.2	STONE / PEBBLES				
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375	34,375
1.3	GRASSING				
a	GRASSING (EXISTING NON MAINTANE LAWNS)				
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	14,451	7	101,157
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	18,064	11.25	203,220
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, Pliken, Mangifera etc.	No's	74	1,500	111,000
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestral, Pliken, Palms etc.	No's	17	270	4,590
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	25	600	15,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagress, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	6,569	69	453,261
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	1,032	195	201,240
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(Dailyly), Duranta etc	No's	7,015	12	84,180
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	8	3,675	29,400
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	11	1,800	19,800
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	35	195	6,825
2	HARD LANDSCAPE				
2.1	WALK WAYS				
a	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	1445	150	216,750
2.2	BENCHES				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	14,698	102,886
2.3	DUSTBINS				

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.

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	4	27,700	110,800
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	6	3,850	23,100
2.6	WATER POINTS (Injector Pump 1HP)	No's	1	45,000	45,000
3	SOFT LANDSCAPE MAINTENANCE (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	36,127	7.50	270,953
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	141	550	77,550
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	18	550	9,900
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	34	550	18,700
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				3,095,366
	PRA(16%)				495,258
	Design Consultancy				100,000
	Grand Total				3,690,624
					3.691

To,

The Superintending Engineer,
Buildings Circle,
Sargodha.

No.

/EST,

Dated

/ 2022.

Subject:

REVISED ROUGH COST ESTIMATE FOR THE WORK"
REVAMPING OF THQ HOSPITAL BHALWAL DISTRICT
SARGODHA.

Revised Rough Cost Estimate for the work cited as subject
57.888 (M)
amounting to **Rs.53.921 Millions** prepared on 1st Bi-Annual 2022 District
Sargodha is submitted herewith for arranging Revised Administrative Approval /
Funds from the competent authority please.

DA / Estimates

Executive Engineer,
Buildings Division,
Sargodha

No. **2776-77**

/EST

Dated **15/12** / 2022.

A copy is forwarded for information to:-

1. The Project Manager Civil PMU P&SHD Lahore.
2. The Sub Divisional Officer, Buildings Sub Division, Bhalwal.

DA / NIL

RECEIVED & ENTERED	
Diary No:	6926
Date:	19-12-2022
PM/PO I&C:	SD
PMU, P&SHD	
Deputy PD	
Finance & Admin	
Procurement	
Outsourcing	
Infrastructure	✓
Planning & HR	
ICT	
Operations	
Health	
Legal	
I & C	
BERC	
MARKING	
SIGNATURES	

Executive Engineer,
Buildings Division,
Sargodha



No. PMU/P&SHD/ 0574
GOVERNMENT OF THE PUNJAB
P&S HEALTHCARE DEPARTMENT
Dated Lahore 12-12-2022

To,
Executive Engineer,
Building Division Sargodha,
Communication & Works Department,
Sargodha.

**SUBJECT: SUBMISSION OF ACTUAL PRICE VARIATION OF "REVAMPING OF ALL THQs
IN PUNJAB (ONE AT THQ HOSPITAL BHALWAL)"**

1. It is stated that please submit revised Rough Cost Estimate of the subject scheme along with detail working of 10% price variation in the light of P&D letter no. 594/AC(Tech)/P&D/2022-23 dated 09-09-2022. It is further stated that the said PC-I is planned to be revised in upcoming DDSC which is going to be held in next week mainly due to revision of revenue component. Hence, it is requested to submit the estimate of civil work by incorporating actual price variation whether it exceeds 10% or not by 14-12-2022 positively.
2. Submitted for further necessary action please.

M. Ali
14/12/22

**Project Manager Civil
PMU P&SHD**

CC:

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

CIRCLE

SARGODHA

DEPARTMENT

WORKS & SERVICES

DISTRICT

SARGODHA

DIVISION

BUILDING DIVISION SARGODHA

SUB DIVISION

BUILDING SUB DIVISION BHALWAL

NAME OF WORK

**REVISED ROUGH COST ESTIMATE FOR
THE WORK" REVAMPING OF THQ
HOSPITAL TEHSIL BHALWAL
DISTRICT SARGODHA.**

MRS

**1st BI-ANNUAL 2022 (1ST January 2022 TO 30th
june 2022)**

HEAD OF ACCOUNT

HEALTH DEPARTMENT

ESTIMATED COST

RS=

**57.888 (M)
53.921 (M)**

REVISED ROUGH COST ESTIMATE ON DETAILED BASIS FOR THE WORK " REVAMPING OF T.H.Q HOSPITAL BHALWAL DISTRICT SARGODHA.

HISTORY

The Scheme was approved by the Secretary P&SH Department Lahore Vide No. PO(D-ii) 1-237/2021 dated 17-12-2021 amounting to Rs. 49.879 (M), and Technical Sanctioned by the Superintending Engineer Building Circle Sargodha N. 2010/DRG dated 08-02-2022 For Rs. 47.758 (M)

Work was allotted to contractor vide Executive Engineer Building Division Sargodha No. 912/PC dated 01-04-2022 for Rs. 4,07,65,674/- i/c 5% PRA

price variation has been added due to impact of inflation of construction material, thus the Revised Rough Cost Estimate amounting to Rs. 53.921(M) has framed for Revised administrative approval and funds please.

SCOPE OF WORK.

1	MAIN BUILDING (GROUND FLOOR)
2	PROVISION OF RO PLANT
3	STREET LIGHTS
4	EXTERNAL SEWERAGE
5	EXTERNAL WATER SUPPLY
6	EXTERNAL APPROCH
7	PROVISION OF MACHINERIES FOR W/SUPPLY
8	PROVISION OF MACHINERIES FOR DISPOSIL

SPECIFICATION.

The work will be carried out in accordance with Building department specification latest edition and entire satisfaction of Engineer In charge

RATE.

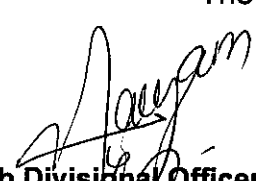
Rate 1st Bi-annual 2022

TIME LIMIT

It will take (15) Months for actual date of Acceptance.

COST

The Total Cost comes to Rs: ~~57.888~~ ^{57.888} (M)


Sub Divisional Officer
Buildings Sub Division
Bhalwal


Executive Engineer
Buildings Division
Sargodha.

ORDER

POD-III/1-237/2021. In supersession of this Department's order of even number, as per instructions issued by Planning & Development Board vide letter No. 2/78/PO/PS/PS/2021, dated 17.12.2021, the Governor of the Punjab is pleased to accord attended Administrative Approval of 03 sub-schemes under block scheme filed against each scheme, with gestation period upto 30-06-2023.

Sr. No.	Hospital	Capital Component	Revenue Component	Total Cost
1	Reamping of THQ Hospital, Bhalwal District Sargodha	48,879	204,362	253,241
2	Reamping of THQ Hospital, Sadiqabad District Rahim Yar Khan	49,349	218,902	268,251
3	Reamping of THQ Hospital, Sillanwali District Sargodha	49,941	180,979	230,920

(Rs. in million)

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

Capital Component

Grant No. 12042 (042) Government Buildings & Construction
Affairs-045 Construction and Refreshment
Construction Work 0457-02 Building and Structure

Revenue Component

Grant No. PC-22036 (036) Development of Health
Hospital Services-0731 General Hospital Services
073101 General Hospital Services

(Muzammar Hussain)
SECRETARY, GOVERNMENT OF PUNJAB

DATE: 17.12.2021

4

Name of Work

AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF T.H.Q HOSPITAL BHALWAL DISTRICT SARGODHA".

Administrative Approval

Rs.47.643 (M)

No. & Date

Govt. of the Punjab Primary & Secondary Health Care Department Lahore
No.(SPO-II)1-46/2021 Dated 29-Sep-2021

Amount of Amended Estimate

Rs.49.879 (M)

42

Description	As per Approved R/C Estimate Based on 2nd BI-annual 2021				As per Amended R/C Estimate Based on 1st BI-annual 2022				Excess (10-6)	Saving (6-10)	Remarks
	Pilnth Area	Unit	Rate	Amount	Pilnth Area	Unit	Rate	Amount			
2	3	4	5	6	7	8	9	10	11	12	13
Renovation / Improvement of Existing Main Building.				39073819				42871484	3597665	0	Estimate based on 1st BI Annual 2022 circulated by Chief Engineer Buildings Department (North Zone) Lahore
Construction of Room; for P.O Plant (20 x 18 1/2)	430	P.Sft	2446	1051780	430	P.Sft	3020	1298600	246820	0	
Providing / Installing of R.O Plant with Chiller.				1842750				1842750	0	0	
Provision of Parking Shed (60 x 18) = 1080 Sft	1080	P.Sft	601	649080					0	649080	
Provision of Street Lights.				1565850				980000	0	585850	
Credit of Old Material.				-150000				-150000	0	0	
Add 15% External Development				157767				129860	0	27907	
Total				44191046				46772694	3844485	1282837	

#	Description	Pilnth Area	Unit	Rate	Amount	Pilnth Area	Unit	Rate	Amount	(10-5)	(10-6)	
2		3	4	5	6	7	8	9	10	11	12	13
	Add WAPDA Connection Charges.				800000				300000	0	500000	
	Add 1% Tree Plantation / Horticulture.				441910				487727	25816	0	
	Add 5% PRA Charges.				2209552				2338635	129082	0	
	Total				47642509				49879056	3998384	1762837	
	SAY				47643000				49879100	7236547		
	In Million				47.643 (M)				49.879 (M)			

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Bhalwal

Executive Engineer,
Buildings Division,
Sargodha

Voted for Rs 49.879M

Superintendent Engineer

The Executive Engineer,
Buildings Division,
Sargodha.

Dated: 08/02/2022.

Subject:

AMENDED TECHNICAL SANCTION.

AMENDED DETAILED ESTIMATE FOR THE WORK "REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL BHALWAL DISTRICT SARGODHA".

Reference: Your office letter No.2003/EST dated 17.01.2022.

In exercise of powers delegated to the undersigned under para 1(a)(iii) of chapter C&W Department Delegation of Financial Power Rules 2016, Technical Sanction is hereby accorded to the detailed estimate based on MRS rates for 1st Bi annual 2022, of the following scheme for the amount and head of account noted against each:-

No.	Name of work	Amount of Amended T.S.	Amount of Amended A.A	Head of Account
1.	"Revamping of all THQ Hospitals in Punjab One at THQ Hospital Bhalwal District Sargodha".	47.758(M)	Rs.49.879(M) vide Secretary to Govt. of the Punjab Primary & Secondary Healthcare Department Lahore No.PO (D-II)1-237/2021, dated 17.01.2022	Grant No.PC12042 (042) Govt: Buildings 04- Economic Affairs 045- Construction and Transport 0457- Construction (Works) 0457-02 Buildings and Structures.

The technical sanction is hereby accorded subject to the following conditions.

- 1 The non standardized items provided in the estimate are for the purpose of estimation. Proper analysis should be prepared and got approved from the competent authority before making payment. The N.S rates are specifically for this work and should not be made base for payment of any other works.
- 2 The quantity of Steel in RCC and other structural members provided in the estimate are tentative and only for the purpose of estimation.
- 3 Proper foundation design and structural design of RCC members should be arranged from P&D Directorate of Punjab Building Department Lahore in the light of soil investigation report issued by the Building Research Station Lahore and work should be executed accordingly and to the entire satisfaction of the Engineer, Incharge and payment made after recording actual measurements according to the design.
- 4 The lead taken for carriage of the earth is only for the estimation purpose payment may be made after verification of lead by the Executive Engineer, Incharge of the work.
- 5 The responsibility for the stability of the Building and structure will rest with the Executive Engineer, Incharge.
- 6 The quantities of work do not exceed there provided in the estimate technically sanctioned.

W/Estimate,

Dist: No.

Dated.

/2022.

A copy is forwarded for information to:-

1. The Director General Audit (Works) Punjab, Lahore.
2. The Chief Engineer, Punjab Buildings Department, North Zone, Lahore.
3. The Circle Head Draftsman (Local).

Superintending Engineer,
Buildings Circle,
Sargodha.

Superintending Engineer,
Buildings Circle,
Sargodha

**DETAILED ESTIMATE FOR THE WORK " REVAMPING OF THE
HOSPITAL BHALWAL DISTRICT SARGODHA**

GENERAL ABSTRACT OF COST *R=19167426/-*

1 BUILDING (Part i) <i>main</i>	Rs. 20295015
2 BUILDING (Part ii) <i>Tramcutor</i>	<i>15288307/-</i> Rs. 16463600
3 EXTERNAL DEVELOPMENT	<i>✓ R=31090481</i> Rs. 3505471
4 TUFF PAVER	<i>✓</i> Rs. 1687695-1730930/-
5 WATER FILTERATION PLANT	Rs. 2762500-3209600/-
6 STREET LIGHT	<i>✓</i> Rs. 980000-1383919/-

Total Rs. 45674281
R=43689230/-

D/d cost of old material Rs. 150000

Net Rs. 45524281
R=43539230/-

Add 3% Contingency Rs. 1365728
R=1306177/-

Add 5% P.R.A Rs. 2276214
R=22176962/-

Add 1% Plantation Charges Rs. 455243
R=435392/-

Add Wapda connection Rs. 363000

R=47757761/-
G.Total Rs. 49984486

Say=47758000/-
SAY RS. 49984000

SAY RS (Million) 47.75849.984

[Signature]
Executive Engineer
Building Division
SARGODHA

[Signature]
Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

47.75849.984
Rupees *Forty Seven Point Seven Five Eight Million*
Subject to strict adherence to Regularities &
Cost Norms of Govt. of Punjab 2022

[Signature]
Superintending Engineer,
Buildings Circle
Sargodha

To,

Engineer Irshad Ahmad,
Govt. Contractor,
77-Gulshan Bashir, Main Road,
Near Kanchi More, Sargodha

No.

/G Dated

/2022

Subject:

**REVAMPPING OF TEHSIL HEADQUARTER HOSPITAL AT
BHALWAL, DISTRICT SARGODHA**

Agreement Amount

Rs.4,07,65,674/- i/c 5% PRA tax
(Rupees Four Crore Seven Lac
Sixty Five Thousand Six Hundred
and Seventy Four Only)

Time Limit
Earnest Cost

15 Months
= 2% CDR RS: 10,00,000/-

Reference:

Your Tender dated 10-02-2022.

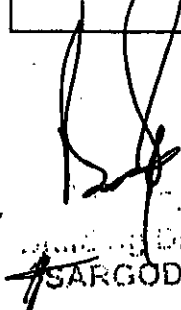
Your competitive lowest tender for the work cited as subject at the following item Rates / Premium has been accepted by Superintending Engineer, Buildings Circle, Sargodha letter No.595/G dated 09-03-2022 with a time limit of 15-Months to reckoned from the date of issue of this acceptance letter.

Sr. #	Description of Item	Unit	Rate	Rate in figures
	STANDRIZED ITEMS			
	All Composite rates of standardized items as depicted in the approved DNIT and as per input rates of material / Labour equipment notified by the Finance Department at It's website www.punjab.gov.pk for the 1st Biannual 2022 for District Sargodha.		10.25% Below	Ten point two five percent below
	NON STANDRIZED ITEMS		10.25% Below	Ten point two five percent below
1	P/F press dully frame made of M.S sheet 14 SWG complete as approved by the Engineer incharge.	P.Sft	403.88	(Rupees Four hundred three and paise eighty eight only) per square foot
2	S/E of Special Lead sheet 1-16" thick for X-Ray C.T. Scan Unit best Quality complete as approved by the Engineer incharge.	P.Sft	942.38	(Rupees Nine hundred forty two and paise thirty eight only) per square foot
3	Provision of Vinyl Paneling complete as approved by the Engineer incharge.	P.Sft	107.70	(Rupees One hundred seven and paise seventy only) per square foot

Page 1 of 4

Executive Engineer
Buildings Division
SARGODHA

Sr. #	Description of Item	Unit	Rate	Rate in figures
4	P/L Vinyl door with Chowkhat complete as approved by the Engineer incharge.	P.Sft	664.15	(Rupees Six hundred sixty four and paisa fifteen only) per square foot
5	S/E of energy savor bulb 24 Watt complete as approved by the Engineer incharge.	Each	403.88	(Rupees Four hundred three and paisa eighty eight only) each
6	S/E of LED Bulb 13 watt (Phillips) complete as approved by the Engineer incharge.	Each	493.63	(Rupees Four hundred ninety three and paisa sixty three only) each
7	S/E of Street Light pole Complete as approved by the Engineer incharge.	Each	44875.00	(Rupees Forty four thousand eight hundred and seventy five only) each
8	S/E of centrifugal pump size 2"x2.1/2" KSB horizontal type coupled with A.C electric Motor 15 BHP 3 Phase 2900 RPM (PECO/CLIMAX) diamond or new man) discharge of 90 Gallons per minutes with total head 140' to 150' ft with switch starter MEM England made 15 to 30 AMP Volt meter amp meter warning lights fixed on M/S angle iron board with cement concrete foundation and angle iron frame i/c electrification connection to bore with all type of special i/c 3" i/d brass check valve (Diamond) complete working order as approved by the Engineer Incharge (fixing only)	Each	499010.00	(Rupees Four lac ninety nine thousand and ten only) each
9	P/F of Water Filter plant. i/c chiller plant complete as approved by the Engineer incharge.	Each	1653868.13	(Rupees Sixteen lac fifty three thousand eight hundred sixty eight and paisa thirteen only) each
10	P/F of Alex composite panel complete as approved by the Engineer incharge.	P.Sft	673.13	(Rupees Six hundred seventy three and paisa thirteen only) per square foot
11	P/F Stainless steel corner protector 16SWG complete as approved by the Engineer incharge.	P.Rft	179.50	(Rupees One hundred seventy nine and paisa fifty only) per running foot
12	S/E of panel board 24"x14"x6" complete as approved by the Engineer incharge.	Each	31412.50	(Rupees Thirty one thousand four hundred twelve and paisa fifty only) each
13	S/E of panel board 38"x18"x6" complete as approved by the Engineer incharge.	Each	125650.00	(Rupees One lac twenty five thousand six hundred and fifty only) each


 SARGODHA

Please start the work immediately under the instruction of Sub Divisional Officer, Buildings Sub Division Bhalwal and complete the same within stipulated period.

Please also attend this office within a fortnight to sign the agreement.

DA/ Nil

Executive Engineer,
Buildings Division,
Sargodha

No. / AC, Dated: / 2022.

A copy is forwarded to the Superintending Engineer, Buildings Circle, Sargodha for information with reference to his letter No. No. 595/G dated 09-03-2022.

DA/ Nil

Executive Engineer,
Buildings Division,
Sargodha

No. 913 / AC, Dated: 01/4 / 2022.

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

1. The Sub Divisional Officer, Buildings Sub Division Bhalwal for information and necessary action subject to strict financial regularities and codal formalities.


The approval is subject to the following conditions:-

- 1- The detailed estimate for the scheme stands technically sanctioned by this office for Rs.47.758(M) vide No.2010/DRG dated 08.02.2022.
- 2- In case of any mistake omission / deficiency in the description of items alongwith relevant specifications, the description of items and specifications displayed on website Govt. of the Punjab shall be applicable for standardized items & non standardized items original detailed estimate is to be referred.
- 3- The quantities of items should not exceed those provided in the technically sanctioned estimate in any case.
- 4- No non standardized items shall be executed without prior approval of competent authority.
- 5- Schedule of payment to the contractors will be followed as per tender conditions.
- 6- The availability of funds be ensured before the start of work.
- 7- The foundation/ structural design of P&D Directorate of Buildings Department may be followed.
- 8- Performance security in shape of Bank Guarantee No. MCIB/005-2022-09 dated 25-02-2022 amounting to Rs.47,00,000/- should not be returned to Engineer Irshad Ahmed, Government Contractor in any case till 03 months after the successful completion of the project within the stipulated period or the extended period if any.
- 9- Tender has been approved with a saving of 10.25% on approved DNIT.

A Deposit at Call No. 0128250 dated 07-02-2022 for Rs.10,00,000/- (Zarai Taraqiati Bank Kayyam Chowk Sargodha) is also enclosed for taking into account and necessary Government receipt may also be supplied to this office for the record.

2. The Divisional Accounts Officer / Head Clerk / Head Draftsman Buildings Division, Sargodha.

DA/Sr. No.1 Call Deposit No. 0128250 dated
07-02-2022 for Rs.10,00,000/- (Zarai Taraqiati
Bank Kayyam Chowk Sargodha)


Executive Engineer,
Buildings Division,
Sargodha

28.4.11

REVISED ROUGH COST ESTIMATE FOR THE WORK" REVAMPING OF THQ HOSPITAL TEHSIL BHALWAL DISTRICT SARGODHA.																		
I)	Name of Work.																	
(A)	Administrative Approval:-	Vide Secretary, P&SH Department Lahore																
(B)	No. & Date	No.PO(D-II)1-237/2021 dated 17-12-2022.																
(C)	A.A Amounts Rs	49.879 Millions																
II)	Amounts of Revised Estimates Rs.	51.888 Millions 54.798 Millions																
Sr. No.	Description	As per approved Estimate (A)				Work allotted (B)				Work yet to allotted (C)				Total (B+C)		Excess (16-6)	Saving (6-16)	Reason for Revision
		Plinth area	Unit	Rate	Amount	Plinth area	Unit	Rate	Amount	Plinth area	Unit	Rate	Amount	P.Area (7+11)	Amount (10+14)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Renovation/ Improvement of Existing Main Buildings				42671484				42671484						44030781 42671484			Estimate prepared on Plinth Area Rates for the 1st Bi-Annual 2022.
2	Construction of R.O Plant (20x18.1/2)	430	P.Sft	3020	1298600				1298600						1298600			
3	Providing / Installing of R.O Plant with Chillar				1842750				1842750						1842750			
5	Provision of Street Light				980000				980000						980000			
	Total:-				46792834				46792834						48152131 46792834			
	D/d cost of old Material			(-)	150000			(-)	150000					(-)	150000			
	Net Total				46642834				46642834						48002131 46642834			
	Add 15% External Development				129860				129860						129860			
	Total:-				46772694				46772694						48131991 46772694			

2

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REVISED ROUGH COST ESTIMATE FOR THE WORK "
REVAMPING OF THE HOSPITAL BHALWAL DISTRICT
SARGODHA

GENERAL ABSTRACT OF COST

1 NEW BUILDING (Part I & ii)

38536182
Rs. ~~37216485~~

2 EXTERNAL DEVELOPMENT

Rs. 4212149

Total

Rs. ~~41428634~~ 42748331

Add 3% contingency item 1 to 2 on

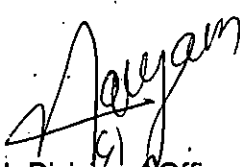
Rs. ~~1242859~~ 1282450


Rs. ~~41428634~~
42748331

G.Total

Rs. ~~42671493~~

44030781


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.


Executive Engineer
Building Division
SARGODHA

7

REVISED ROUGH COST ESTIMATE FOR THE WORK "
REVAMPING OF THQ HOSPITAL BHALWAL DISTRICT
SARGODHA

MAIN ABSTRACT

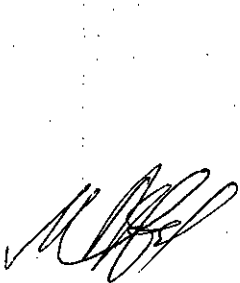
1 Building Portion ²⁵⁴⁷⁶³⁶²
Rs. 23560042

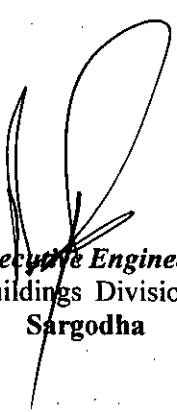
2 E.I. Portion ¹²⁵¹⁰⁴⁹⁰
Rs. 13107413

3 S.I. Portion Rs. 549330

³⁸⁵³⁶¹⁸²

Total:- Rs. 37216485


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.


Executive Engineer,
Buildings Division,
Sargodha

1

**REVISED ROUGH COST ESTIMATE FOR THE WORK " REVAMPING OF
THQ HOSPITAL BHALWAL DISTRICT SARGODHA**

(MAIN BUILDING)

1	Excavation in foundation of buildings bridges & other str. i/c dag belling dressing refilling around the structure in ordinary soil. upto 5' depth.			
D/Rooms	2*83.75*4*2	1340		
	1*57*4*2	456		
	1*14.75*4*2	118		
	5*11.125*4*2	445		
	1*32.312*4*2	259		
	1*56*3.25*2	364		
	1*8.50*5.50*.75	35		
	2*30*2*1.50	180		
	1*26.75*2*1.50	80		
	4*9.75*1.50*2	117		
		3394 Cft		
		@ 8949.60	%0Cft	Rs. 30375
2	Cement concrete brick or stone ballest 1.1/2" to 2" gauge in F&P.			
D/Rooms	2*83.75*4*0.75	503		
	1*57*4*0.75	171		
	1*14.75*4*0.75	44		
	5*11.125*4*0.75	167		
	1*32.312*4*0.75	97		
	1*55*3.25*0.75	134		
		1116 Cft		
		@ 14289.60	%Cft	Rs. 159472
3	Pacca brick work 1:6 in F&P.			
D/Rooms	2*83.75*3*0.25	126		
	2*83.75*2.605*0.25	110		
	2*83.75*2.25*0.25	94		
	2*83.75*1.875*0.25	79		
	2*83.75*1.50*0.25	63		
	1*57*3*0.25	43		
	1*57*2.625*0.25	37		
	1*57*2.25*0.25	32		
	1*57*1.875*0.25	27		
	1*57*1.50*0.25	21		
	1*16.125*3*0.25	12		
	1*16.50*2.625*0.25	11		
	1*16.875*2.25*0.25	9		
	1*17.25*1.875*0.25	8		
	1*17.625*1.50*0.25	7		
	5*12.125*3*0.25	45		
	5*12.50*2.625*0.25	41		
	(4+1)*12.875*2.25*0.25	36		
	(4+1)*13.25*1.875*0.25	31		
	(4+1)*13.625*1.50*0.25	26		
	1*31.875*3*0.25	24		
	1*32.25*2.625*0.25	21		
	1*32.625*2.25*0.25	18		
	1*33*1.875*0.25	15		
	1*33.375*1.50*0.25	13		
	1*55*2.25*0.25	31		

1*55*1.875*0.25	26
1*55*1.50*0.25	21
1*55*1.125*1	62

Toe Wall 1*(94.75+54+57+9.5+97.375+76.5+97.375)*0.75*2.5	912
1*(9.5+54+54+10.25+10.25+21.125+21.125+35+27.5+20)*0.75*2.5	493
1*(91.5+3.25+3.25)*0.75*2.5	184

2678 Cft
@ 24784.80 %Cft Rs. 663737

4 P/L 1-1/2" thick DPC of CC (1:2:4) i/c one coat of bitumen & one layer of polythene sheet 500

D/Rooms 2*83.75*1.125	188 Sft
6*16*1.125	108
2*18*1.125	41
Total	337 Sft
Deduction 1*5*1.125	6 Sft

Total 6
Net Total 331 Sft
@ 6729.55 %Sft Rs. 22275

6 Pacca brick work in (1:6) C/S mortar in Ground Floor

D/Rooms 3*20*0.75*10	450 Cft
2*24.75*0.75*10	371
2*83.75*0.75*7	879
1*58.25*0.75*7	305
1*18*0.75*7	95
1*20.25*1.125*7	159
1*33.75*1.125*7	266
D/Rooms 2*83.75*0.75*5	628
1*58.125*0.75*5	218
1*18*0.75*5	68
1*20.25*1.125*5	114
1*33.75*1.125*5	190
5*14*0.75*5	263
1*33.75*0.75*5	127
1*33.75*1.25*5	190
5*14*0.75*7	368
1*33.75*0.75*7	177
1*33.75*1.125*7	266

Parapet 1*57*0.75*1.50	64
1*19*0.75*1.50	21
1*16*0.75*1.50	18
1*84*0.75*1.50	95
1*39*0.75*1.50	44
1*36*0.75*1.50	41
1*61*0.75*1.50	68

2*7.50*0.75*1.50	17
4*9.75*0.75*(7.75+1)	256
1*61*0.75*1.50	69
1*6.50*0.75*1.50	7
1*26*0.75*1.50	29
1*25.50*0.75*1.50	29
1*58*0.75*1.50	65
1*84*0.75*1.50	95
1*77*0.75*1.50	87
1*4*.75*7	21
1*9.50*1.125*10	107
Total	6267 Cft

Deduction

3*5*0.75*6	68 Cft
1*5*0.75*7	26
4*6.50*0.75*0.75	15
10*6*0.75*4	180
7*3.50*0.75*7	129
3*1.125*1.50*7	35
5*5*0.75*0.75	14
2*5*1.125*0.75	8
10*7.50*0.75*0.75	42
1*20.25*1.125*3	68
1*33.75*0.75*3	76
1*4*1.125*7	32
1*3.50*0.75*7	18
1*4*0.75*5	15
Total	726 Cft

Net Total 5541 Cft

@ 26632.80 %Cft

Rs. 1475723

- 7 P/L RCC in roof slab, beam
columns lintels etc. with
shuttering curing finishing etc.
Ratio (1:2:4) c/con. in G.Floor

Lab Counter	1*7.25*2*0.25	4 Cft
	1*10.5*2*0.25	5
	1*15*2*0.25	8
	4*1.125*0.75	3
	4*2.5*1.125*0.75	8
	4*6.50*0.75*0.75	15
	1*20*1*1	20
	1*21.50*0.833*1	18
	5*5*.075*0.75	14
	2*5*1.125*0.75	8
	10*7.50*0.75*0.75	42
Roof Slab	1*33.25*21.416*0.458	333
	1*84*29.75*0.458	85
	1*57*10.50*0.458	1145
	1*75*1*1	274
Counter	4*17.25*1*1.50	75

2*19.25*1*1.50	104
2*22.50*1*1.50	59
2*22.50*1*1.50	68
1*11*11*0.333	40
2*16.75*3.25*0.25	27
1*16.75*0.25*1.25	5
1*16.75*1.50*0.25	6
	<u>2366</u>

@ 477.80 P.Cft Rs. 1130475

- 8 P/L RCC in roof slab, beam
columns lintels etc. with
shuttering curing finishing etc.
Ratio (1:2:4) c/con. in G.Floor

Plinth Beam 2*83.75*1.125*1	188 Cft
1*57*1.125*1	64
1*18*1.125*1	20
5*14*1.125*1	79
1*33.75*1.125*1	38
	<u>389</u>

@ 354.15 P.Cft Rs. 137764

- 9 Fabrication of mild steel
reinforcement I/c cutting bending
binding laying in position D-bar

(2366+389)x6.75x0.454 **8443 Kgs**
8443 Kgs

@ 25988.30 %Kg Rs. 2194192

- 10 S/F sand under floor.

new bldg 37.875*18.625*0.333	232 Cft
1*12.50*23.625*0.333	97
1*16.25*11.625*0.333	62
1*11*10.75*0.333	39
1*11.75*10.25*0.333	36
1*8.25*3.50*0.333	10
1*7.50*5.125*0.333	13
1*10*11.25*0.333	37
1*20*9.25*0.333	64
1*20*80.333	53
1*20*10*0.333	66
1*8.125*5*0.333	13
1*20*20*0.333	132
1*20*20.25*0.333	134
1*36.75*8*0.333	98
1*15*8*0.333	40
1*10*8*0.333	27
1*16*10*0.333	53
1*4.625*1.625*0.333	2
1*4*4*0.333	5
10*10*8.50*0.333	28
10*10*7*0.333	23
1*20*18.50*0.333	122
1*20*4*0.333	26
D/Rooms 5*16*14.25*0.333	380
1*18.333*17.25*0.333	105
1*18.333*16*0.333	98
1*84**8.333*0.333	233
1*57*9*0.333	171
1*23*10*0.333	77
	<u>2476 Cft</u>

11

P/L watering/ramming brick or stone ballast 1.1/2" to 2" guage with 25% sand mix.

1*37.875*18.625*0.333	232 Cft
1*12.50*23.625*0.333	97
1*16.25*11.625*0.333	62
1*11*10.75*0.333	39
1*11.75*9.25*0.333	36
1*8.25*3.50*0.333	10
1*7.50*5.125*0.333	13
1*10*11.25*0.333	37
1*20*9.25*0.333	64
1*20*8.0*0.333	53
1*20*10*0.333	66
1*8.125*5*0.333	13
1*20*20*0.333	132
1*20*20.25*0.333	134
1*36.75*8*0.333	98
1*15*8*0.333	40
1*10*8*0.333	27
1*16*10*0.333	53
1*4.625*1.625*0.333	2
1*4*4*0.333	5
10*10*8.50*0.333	28
10*10*7*0.333	23
1*20*18.50*0.333	122
1*20*4*0.333	26
1*84*3*0.333	83
1*76.50*3*0.333	76
5*16*14.25*0.333	380
1*18.333*17.25*0.333	105
1*18.333*16*0.333	98
1*84*8.333*0.333	233
1*57*9*0.333	171
1*23*10*0.333	77
<hr/>	
	2635 Cft

@ 5275.80 %Cft Rs. 139017

12

P/L PCC 1:2:4 c/con. I/c curing finishing etc.

new bldg 1*37.875*18.625*0.166	118 Cft
1*12.5*23.625*0.166	49
1*16.25*11.625*0.166	32
1*11.10.75*0.166	20
1*11.75*9.25*0.166	18
1*8.25*3.50*0.166	5
1*7.50*5.125*0.166	6
1*10*11.25*0.166	19
1*20*9.50*0.166	32
1*20*8*0.166	27
1*20*10*0.166	33
1*8.125*5*0.166	7
1*20*20*0.166	67
1*20.25*20*0.166	68
1*36.75*8*0.166	49
1*15*8.0*0.166	20
1*10*8*0.166	13
1*16*10*0.166	27
1*4.625*1.625*0.166	1

	1*4*4*0.166	3
	1*10*8.50*0.166	14
	1*10*7*0.166	12
	5*5*0.75*0.75	14
	2*5*1.125*0.75	8
	10*7.50*0.75*0.75	42
Waiting Hall	1*107.50*24.25*0.166	435
	1*43.75*7.25*0.166	53
	1*35*7.25*0.166	42
	1*24.25*7.25*0.166	33
	1*24.25*7.25*0.166	29
	1*20.50*2.375*0.166	8
	5*16*14.25*0.166	190
	1*18.333*17.25*0.166	52
	1*18.333*16*0.166	49
	1*84*8.333*0.333	117
	1*57*9*0.166	85
	1*23*10*0.166	38
	1*5*6*0.166	5
MO Office	1*8*8*0.166	11
Corr. Part-I	1*16*6.625*0.166	18
	3*5*3.25*0.166	8
	1*10*5*0.166	8
Lab	1*5*5*0.166	4
MS	1*8*8*0.166	11
Toilet MS	1*8*8*0.166	11
Part-II	2*10*6.25*0.166	21
	2*12*8.25*0.166	33
	(2*6)*5*3.75*0.166	37
	1*9.875*9.75*0.166	16
	1*26.333*8.75*0.166	38
	1*13.5*4*0.166	9
	1*20.625*5.375*0.166	18
	1*13*14.5*0.166	31
	1*9.75*9.75*0.166	16
	1*(5.5*5)/2*0.166	2
	1*(1*6.25)/2*0.166	1
	1*(6*6)/2*0.166	3
	1*15.75*17.25*0.166	45
Corr.	1*70.75*8*0.166	94
	1*14*8*0.166	19
D.Cills	1*8*0.75*0.166	1
	2*5*0.375*0.166	1
	1*3.5*0.375*0.166	0
	1*15.75*9*0.166	24
		<hr/>
		2200 Cft
		@ 29211.60 %Cft
		Rs. 642655

13

Dismantling of brick work in
lime or cement mortar

$1 \times (16 + 27 + 16) \times 0.75 \times 1$	44 Cft
$1 \times 61 \times 0.75 \times 1.50$	69
$1 \times 6.50 \times 0.75 \times 1.50$	7
$1 \times 26 \times 0.75 \times 1.50$	29
$1 \times 25.50 \times 0.75 \times 1.50$	29
$1 \times 58 \times 0.75 \times 1.50$	65
$1 \times 84 \times 0.75 \times 1.50$	95
$1 \times 77 \times 0.75 \times 1.50$	87
	<hr/>
	425

@ 3590.40 %Cft

Rs. 15259

14 Dismantling of RCC (1:2:4) i/c
separator of steel bar
1*27*16*0.50 216 Cft
216
@ 15206.40 %Cft Rs. 32846

15 Providing and fixing 2" wide MS Chowkat singel/double
rebate made of 16 SWG MSsheet 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
lock hole covered with MS Box,coating with antirust paint
including filling with cement sand mortar (1:8) and
embedding hold fast in cement concrete (1:2:4),complete in
all respect as approved and directed by Engineer Incharge
15" wide
door 1*6.333*9 57 Sft
3*5*9 135
1*3*7 21
1*3.50*7 25
2*3.50*7 49
287 Sft
@ 675.50 P.Sft Rs. 193869

B 10.5" wide
door 2*2.75*7 39 Sft
4*3.50*7 98
5*3.50*7 123
260 Sft
@ 573.65 P.Sft Rs. 149149

b Pacca brick work 1:4 c/s in G.F.
Pillars 8*1.125*1.125*12 122 Cft
D/Rooms 1*18*0.375*12.50 84
1*17.50*0.375*12.50 82
2*16*0.375*12.50 150
1*8*0.375*12.50 38
1*8*0.75*12.50 75
3*1.125*1.125*12.50 47
1*42.375*0.375*12.50 199
2*17*3.25*0.50 55
2*4*3.25*0.50 13
2*17*1.125*1.50 57
2*6.50*1.125*1.50 22
Bath Rooms 1*12*0.375*7 32
3*5*0.375*7 39
1*11.375*7 29
2*5*0.375*7 26
1*100.375*7 26
2*5*.375*7 26
1122

DEDUCTION

1*6*0.375*6 14
1*3.50*0.375*7 9
10*2.50*0.375*7 66
Total D/D:- 89

Net:- 1033 Cft
@ 27799.60 %Cft Rs. 287170

16	Pacca brick work 1:6 c/s in F.F.	
	Mumty 1*2*(14.75+10)*0.75*4	149 Cft
	1*28.50*1.125*8	257
	1*17.25*0.75*8	104
	Lift well 1*12*1.12*8	108
	Parapit 1*28.50*0.75*1	21
	1*17.25*0.75*1	13
	1*13*0.75*1	10
		<u>662</u>

@ 27768.00 %Cft Rs. 183824

17	3/8" thick cement plaster under soffit of RCC roof slab ratio 1:2 complete in all respect.	
	Beams (2*2)*15*1.25	75 Sft
	(2*1)*15*1	30
	(1*2)*24*1.25	60
	(1*1)*24*1	24
	(1*2)*6.5*1.25	16
	(1*1)*16.5*1	17
	3*22.25*2.5	167
	1*31*5	155
	L.side Mumty 1*12.5*15.5	194
	Waiting 1*20*18.50	370
	1*18.50(1+1)	37
	1*2(27.50+26.25)*3.50	376
	1*20*4	80
	1*20*(1+1)	60
	D/Rooms 5*16*14	1120
	1*18*17	306
	1*18*16	288
	Corridor 1*84*8	672
	1*57*9	513
	1*23*10	230
		<u>4789 Sft</u>

@ 3038.10 %Sft Rs. 145495

18	1/2" thick cement plaster 1:4 upto 20' height.	
	Burn Ward 2*2*(20+20)*8	1280 Sft
	Nursing R 2*15.125*8	242
	Toilet 1*2*(8+5)*8	208
	N/Q 1*8*8	64
	(1*4)*1.125*7	32
	1*12.5*12	150
	7*3.5*5.5	135
	(2*2)*5*10	200
	(5*2)*5*5.5	275
	1*11*5.5	61
	1*12*5.5	66
	1*2*(20+18.50)*9.50	732
	1*(20+4+4)*6	168
	D/Rooms 5*2*(16+14)*12	3600
	2*1*(18+16)*12	816
	2*1*(18+17)*12	840
	1*42.75*12	513
	1*2*(84+8)*6.50	1196
	1*36.875*6.50	240
	1*26*6.50	169
	1*2*(20.50+2.375)*4	183
	L.side Mumty 1*(12.5+15.5+28.25)*9	506

	M/Bldg	1*2(21+24.75)*13.25	1212 Sft		
		1*84.75*12.50	1059		
		1*14.75*12.50	184		
		1*(100+100+100+100+31)*5.25	2263		
		1*54.75*1.50	127		
		1*14.75*1.50	22		
		2*7.50*1.50	23		
		1*61*1.50	92		
		1*6.50*1.625	11		
		1*26*1.625	42		
		1*25.50*1.625	41		
		1*58*1.625	94		
		1*84.50*1.625	137		
		1*77.1.625	126		
		1*571.625	93		
		1*2*(14.75+12.50)*4	218		
		1*17.25*9	155		
		1*28.50*9	257		
		2*(100+100+100+100+31)*5.25	4526		
		1*14.50*9	131		
			22488 Sft		
			@ 2661.85 %Sft		Rs. 598597
19		1½"(40 mm) thick mosaic flooring, consisting of ½ "(13mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete			
	Plant	1*18.50*20	370 Sft		
		1*5*0.75	4		
		1*84*4.375	369		
		1*76.50*4.375	335		
			1078 Sft		
			@ 15967.75 %Sft		Rs. 172132
20		P/L marble strip of any shade for dividing floor into pannels.			
		1078x0.60	647 Rft		
			647 Rft		
			@ 15.85 P.Rft		Rs. 10255
21		P/L Cement pointing deep struck joint in (1:2) C/S mortar			
	M/Bldg	1*2(21+24.75)*13.25	1212 Sft		
		1*84.75*12.50	1059		
		1*14.75*12.50	184		
		1*(100+100+100+100+31)*5.25	2263		
		1*54.75*1.50	127		
		1*14.75*1.50	22		
		2*7.50*1.50	23		
		1*61*1.50	92		
		1*6.50*1.625	11		
		1*26*1.625	42		
		1*25.50*1.625	41		
		1*58*1.625	94		
		1*84.50*1.625	137		
		1*77.1.625	126		

1*571.625	93
1*2*(14.75+12.50)*4	218
1*17.25*9	155
1*28.50*9	257
2*(100+100+100+100+31)*5.25	4526
1*14.50*9	131
	<u>10813 Sft</u>

D/Decution;-

3*5*6	120
5*6*4	90
1*5*7	35
1*5*5	25
	<u>270 Sft</u>
	<u>10543 Sft</u>

@ 2898.25 %Sft Rs. 305562

- 22 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

3*5*6	90 Sft
10*6*4	240
15*3.50*4.50	236
2*11.75*2.50	59
	<u>625 Sft</u>

@ 656.85 P.Sft Rs. 410531

- 24 P/F steel door with chowkat iron 1 1/2" x 1 1/2: x 1/4" welded with M.S flat 2" x 1/4" i/c shutter 1 1/4" x 1 1/4" x 3/16" complete.

1x5x7	35 Sft
2x3.5x7	49
	<u>84 Sft</u>

@ 1139.25 P.Sft Rs. 95697

- 25 Providing and fixing 24" Deep Box type Ward robe consisting of 3/4" thick UV coated MDF board (Medium density Fiber board) Sheet both side glazed shutter sand box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters /panels /drawers etc .,with machine i/c the cost of self closing box type hinges, handles ,screws, Glue and rawal plugs, Drawers & locking arrangement complete in 1x15x12 1x14x12

180 Sft
168

1x4x12	48
1x10x12	120
	<u>516 Sft</u>

@ 1073.80 P.Sft Rs: 554081

26 Emulsion painting two coat on surface

New Bldg 2*26*20	1040 Sft
1*11*20	220
1*7.75*16	124
5*12*16	960
2*8*7.25	116
2*8*9.50	152
2*17*18	612
1*15.75*18	284
1*16*12	192
1*16*16	256
1*60*8	480
2*6.125*6	74
1*13*8	104
1*13*6.25	81
1*63*8	504
1*17*15.125	257
1*14.375*16	230
2*6*7.75	93
1*20*16	320
1*25*18	450
1*20*18.50	370
1*8*12	96
1*16*12	192
1*8*12	96
10*10*8.25	83
1*14*13	182
1*13.75*8	110
1*6.25*13.50	84
1*10*10	100
1*14.25*17.50	249
2*12*8.25	198
2*27.125*18	977
1*115*18	920
2*2(26+20)*7	1288
1*2(11+20)*7	434
1*2(7.75+16)*7	333
5*2*(12+16)*7	1960
2*2*(8+7.25)*7	427
2*2*(8+9.25)*7	483
2*2*(17+18)*7	980
1*2(15.75+18)*7	473
1*2(16+12)*7	392
1*2(16+16)*7	448
1*2(60+8)*7	952
2*2(6.125+6)*7	340
1*2(13+8)*7	294
1*2(13+6.25)*7	270
1*2(63+8)*7	994
1*2(17+15.125)*7	450
1*2(14.375+16)*7	425
2*2(6+7.75)*7	385
1*2(20+16)*7	504

Store	1x15x11.5	173
X Ray	1x16x19	304
	1x8x9	72
	1x8x10.75	86
Lab	1x25x20	500
	1x7.75x7.5	58
	1x7.75x11.75	91
	1x9.75x12	117
Labour	1x12x12	144
Clerk	1x20x12	240
	1x15x12	180
Lav	1x20.75x9	187
Passage	1x8x40	320
sotre	1x20.75x16.75	348
Bath	5x5x6	150
Ward	2x65.5x19	2489
Passage	2x65.5x8	1048
	2x5.5x7	77
	2x5x9	90
	2x10x16	320
Toilet	2x4.75x7	67
Store	2x10x13.5	270
	1x10x15.5	155
linen	1x10x15.5	155
	1x15x15.5	233
	1x9x15.5	140
Nursing	1x10x15.5	155
Stre	1x10x15.5	155
Nursing	1x10x15.5	155
Dr. room	1x10.5x15.5	163
	1x10x15.5	155
	1x10.5x15.5	163
Ward	1x40x19	760
	1x34x19	646
	1x88x8	704
	1x20.75x16.75	348
	1x44x12	528
	1x20.75x9	187
	5x6x6	180
	1x36x12	432
Coridoor	1x87x7	609
	2x55x7	770
	1x107x7	749
	1x78x7	546
	1x125x7	875
	2x45x7	630
Wall	1(7.5+9.5)2x7	238
	1(4+5)2x7	126
	1(12+15.75)2x7	389
	1(8.5+15.75)2x7	340
	1(12+15.75)2x7	389
	1(18.5+16.5)2x7	490
	1(12.75+15.75)2x7	399
	1(7.5+6)2x7	189
	1(7.5+9)2x7	231
	1(22+45)2x7	938

$1(22+30)2x7$	728
$1(60+7.25)2x7$	942
$1(15.75+15.5)2x7$	438
$1(7.5+6)2x7$	189
$1(7.5+9)2x7$	231
$1(16+15.5)2x7$	441
$1(11+17)2x7$	392
$1(7.5+15.5)2x7$	322
$1(12+15.5)2x7$	385
$1(7.5+9.5)2x7$	238
$1(7.5+6)2x7$	189
$1(12+15)2x7$	378
$1(7.25+9.25)2x7$	231
$1(18.5+15.5)2x7$	476
$1(11.875+15.5)2x7$	383
$1(12+15.5)2x7$	385
$1(8+10)2x7$	252
$1(16+25)2x7$	574
$2(15.75+11.5)2x7$	763
$1(15.75+18.5)2x7$	480
$2(7.75+7)2x7$	413
$2(16+11.5)2x7$	770
$1(16+15)2x7$	434
$1(20+20)2x7$	560
$1(12+13)2x7$	350
$1(15+20)2x7$	490
$1(16.5+6)2x7$	315
$1(16.5+9)2x7$	357
$1(5.875+8)2x7$	194
$1(10.75+11.75)2x7$	315
$1(8.75+7.25)2x7$	224
$1(15+11.5)2x7$	371
$1(17+11.5)2x7$	399
$1(6.25+6.25)2x7$	175
$1(17+11.5)2x7$	399
$1(15+11.5)2x7$	371
$1(8+9)2x7$	238
$1(8+10.75)2x7$	263
$1(25+20)2x7$	630
$1(7.75+7.5)2x7$	214
$1(7.75+11.75)2x7$	273
$1(9.75+12)2x7$	305
$1(12+12)2x7$	336
$1(20+12)2x7$	448
$1(15+12)2x7$	378
$1(20.75+9)2x7$	417
$1(8+40)2x7$	672
$1(20.75+16.75)2x7$	525
$5(5+6)2x7$	770
$2(65.5+19)2x7$	2366
$2(65.5+8)2x7$	2058
$2(5.5+7)2x7$	350
$2(5+9)2x7$	392
$2(10+16)2x7$	728
$2(4.75+7)2x7$	329
$2(10+13.5)2x7$	658

1(10+15.5)2x7	357
1(10+15.5)2x7	357
1(15+15.5)2x7	427
1(9+15.5)2x7	343
1(10+15.5)2x7	357
1(10+15.5)2x7	357
1(10+15.5)2x7	357
1(10.5+15.5)2x7	364
1(10+15.5)2x7	357
1(10.5+15.5)2x7	364
1(40+19)2x6	708
1(34+19)2x7	742
1(88+8)2x7	1344
1(20.75+16.75)2x7	525
1(44+12)2x7	784
1(20.75+9)2x7	417
5(6+6)2x7	840
1(36+12)2x7	672
1(87+7)2x7	1316
2(55+7)2x7	1736
1(107+7)2x7	1596
1(78+7)2x7	1190
	<u>98669</u> Sft

D/Decution:-

32*6*2	384
20*3.50*3	210
7*4*3	84
3*6*3	54
6*4*2	48
5x1x7.25x5.5	199
8x1x7.25x5.5	319
10x1x6.75x7	473
6x1x6.75x5.5	223
10x1x9.5x6.5	618
8x1x9.5x5	380
2x1x3x5	30
2x1x4x7	56
8x1x9.5x7	532
2x1x3x7	42
2x1x12x6.5	156
2x1x4x5	40
2x1x8x6.5	104
2x1x8x6.5	104
2x1x4.5x5	45
2x8x6x8.5	816
2x5x3x2	60
2x2x3x7	84
30x2x7x8.5	3570
	<u>8631</u> Sft
	<u>90038</u> Sft

@ 1814.90 %Sft

Rs. 1634100

27

Appling weather shield one coat
on old surface

1*(23+20+10)*3	159 Sft
1*(100+40)*16	2240
1*2*(100+20)*12	2880

@ 1750.20 %Sft Rs. 92393

- 28 Pacca brick work 1:4 c/s in other than building

1*22*1.125*4	99 Cft
1*22*0.75*4	66
2*2.375*0.75*4	14
	<u>179</u>

@ 26874.00 %Cft Rs. 48104

- 29 Dismantling of PCC 1:2:4 without foundation

Waiting Area 1*107.50*24.25*0.166	435 Cft
1*43.75*7.25*0.166	53
1*35*7.25*0.166	42
1*24.25*7.25*0.166	33
1*24.25*7.25*0.166	29
	<u>592</u>

@ 9292.80 %Cft Rs. 55013

- 30 Dismantling of cement concrete with brick aggregate

Waiting Area 1*107.50*24.25*0.166	435 Cft
1*43.75*7.25*0.166	53
1*35*7.25*0.166	42
1*24.25*7.25*0.166	33
1*24.25*7.25*0.166	29
	<u>592</u>

@ 2534.40 %Cft Rs. 15004

- 31 P/L porcelain tile 24"x24" thick size 3/4" laid over (1:3) cement mortar complete in floor

D/Rooms 5*16*14.25	1140 Sft
1*18.333*17.25	316
1*18.333*16	293
Coridor 1*84*8.333	700
1*23*10	230
Waiting Area 1*107.50*24.25	2607
1*43.75*7.25	317
1*35*7.25	254
1*27.25*7.25	198
D/Rooms 1*11.50*15.50	178
1*11.50*15.50	178
1*11.50*15.50	178
1*15.75*8	126
1*15.50*16.75	260
1*11*16.75	184
1*12*15.75	189
1*11.75*15.75	185
1*8.75*11.75	138
1*16.25*11.625	189
Truama Center 1*11*10.75	118
1*11*9.25	109
1*8.25*3.50	29
1*10*11.25	113
1*20*9.25	185
1*20*10	200
1*20*20	400
1*20*20.25	405

1*36.75*8	294
1*15*8	120
1*10*8	80
1*16*10	160
1*4.625*1.625	8
1*4*4	16
1*37.875*18.625	705
1*12.50*23.625	295
1*23*25	575
1*20*15.75	315
1*30*20	600
	<u>12587 Sft</u>

D/Decution;-

2*17.25*3.333	115
2*4.375*3.333	29
	<u>144 Sft</u>
	<u>12443 Sft</u>

@ 304.75 P.Sft Rs. 3792004

32 P/L porcelain tile 24"x24" thick
size 3/4" laid over (1:3) cement
mortar complete in floor

D/Rooms	5*2*(16+14)*0.50	151 Sft
	1*2*(18.333+17.25)*0.50	36
	1*2*(18.333+16)*0.50	34
	(1+1)*84*5	840
	(1+1)*10*5	100
	(1+1)*10.50*5	1075
Waiting Area	2*43.75*5	438
	2*35*5	350
	2*27.25*5	273
	2*16.75*4.50	151
	2*5.125*4	41
	3*2*(11.50+15.50)*0.50	81
	1*2*(8+15.50)*0.50	24
	1*2*(15.50+16.75)*0.50	32
	1*2*(11+16.75)*0.50	28
	1*2*(11.75+15.75)*0.50	28
	1*2*(11+15.75)*0.50	27
	1*2*(8.75+15.75)*0.50	25
Truama Center	1*2*(10+11.25)*0.50	21
	1*2*(20+9.25)*5	293
	1*2*(20+20)*5	400
	1*2*(20+20.25)*5	403
	1*(36.75+8)*2*5	448
	2*15*5	150
	2*10*5	100
	1*(37.875+23+37.875)*5	494
		<u>6043 Sft</u>

D/Decution;-

2*7.25*5	73
1*17*5	85
12*3.50*5	210
12*3.50*0.50	21
4*4*5	80
6*3.50*5	105
8*4*2.50	80
6*3.50*2.50	53
2*8*5	80
4*10*2.50	100

		887 Sft		
		5156 Sft		
		@ 304.75	P.Sft	Rs. 1571291
33	P/F 3/4" thick pre-polished granite stone over 3/4" thick cement plaster on counter			
	2*16.916*1.583	54 Sft		
	2*15.625*3	94		
		148 Sft		
		@ 843.85	P.Sft	Rs. 124890
34	P/L single layer of roof tile 9"x4.1/2"x1.1/2" i/c grouting in (1:3) cement sand mortar only			
	1*13.25*10	133 Sft		
	1*15.75*13*0.50	102		
	1*20.75*5*0.50	52		
		287 Sft		
		@ 4615.30	%Sft	Rs. 13246
35	Single layer of tile 9"x4.1/2"x1.1/2" laid over 4" earth 1" mud plaster, 1:3 c/s grouting with bitumen coating and polythene sheet 500 gauge			
	1*58*9	522 Sft		
	1*83.50*14	1169		
	1*35.75*18	644		
	1*23*10	230		
	1*50*25.5	1275		
	1*152*49	7448	8723 Sft	
		11288 Sft		
	D/Decution:-			
	25*2*2	100		
		100 Sft		
		11188 Sft		
		@ 9909.45	%Sft	Rs. 1108669
36	Fabrication of heavy steel work with angle tees flat iron round iron and girders i/c erection etc			
	Tee Iron 1*(168+240)*2.23*0.454	413 Kg		
	Girder 1*(28+24)*13*0.454	307		
		720 Kg		
		@ 27394.00	%Kg	Rs. 197237
37	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Ash ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges & Lacquar Polishing charges sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge			
	12*3.50*7	294 Sft		
	3*4.75*7	100		
	1*6*7	42		
	2*2.50*7	35		
	1*2.75*7	19		

490 Sft

@ 453.75

P.Sft

Rs. 222338

19

- 38 P/F 1-1/2" thick deodar wooden paneled
or glazing door without chowkat

(1+2)*4.75*1.75

17 Sft

1*6*1.75

11

28 Sft

@ 1253.20

P.Sft

Rs. 35090

- 39 Providing and fitting all types of glazed
aluminium windows of anodised bronze
colour partly fixed and partly sliding
using delux sections of approved
manufacturer
section thickness is 1.2 mm. having frame
size of 100 x 20 mm (4"x3/4") and leaf
frame sections of 50 x 20 mm (2"x3/4"),
all of 1.6mm thickness including 5 mm
thick imported tinted glass with rubber
gasket using approved standard latches,
hardware sections are of dull aluminium
etc., as approved by the Engineer in-

10*6*4

240 Sft

15*3.50*4.50

236

2*11.75*2.50

59

535 Sft

@ 614.30

P.Sft

Rs. 328804

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

take 1/2 Qty of item no. 37

268 Sft

268 Sft

@ 690.25

P.Sft

Rs. 158756

- 41 Filling expansion joint with
special chemical

6*32

192 Rft

192 Rft

@ 250.00

P.Rft

Rs. 48000

- 42 P/F 1/8" thick 3" wide aluminum
strip on horizontal and vertical
expension joints in walls &
columns, ceiling and floors
complete item.

As above

192 Ft

192 Rft

@ 112.95

P.Rft

Rs. 21686

43	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge			
	R.W.D. Pipe 2*(10.5)+(58*13)	775 Rft		
	60*13.5	810		
		<u>1585 Rft</u>		
		@ 205.00	P.Rft	Rs. 324925
44	P/F CP sliding bolts 12" long.	14 Nos.		
		<u>14 Nos.</u>		
		@ 399.75	Each	Rs. 5597
45	Glazing with pans 24oz to 26 oz using putty etc			
	W1 8*4*6	192 Sft		
	Amended W1 8*4*4.5	144		
	W3 2*6*6	72		
	W4 2*8*6	96		
	W5 1*9*6	54		
	W6 1*10*6	60		
	W7 1*6*4	24		
	W9 1*13.625*6	82		
	W12 2*3*6	36		
	W11 2*2*4	16		
	W13 6*1*4	24		
	CW1 8*4*2	64		
	Cw2 2*6*2	24		
	CW2 2*6*2	24		
	Mumty 4*4*6	96		
		<u>1008 Sft</u>		
		@ 176.00	P.Sft	Rs. 177408
46	Painting to seshes fan light & grills etc 3 coats on new surface double qty as above	2016		
	Total	<u>2016 Sft</u>		
		@ 1366.45	%Sft	Rs. 27548
47	P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge in F&P			
	1*8.50*5.50*0.333	15 Cft		
	2*30*2*0.333	40		
	1*26.75*2*0.333	18		
	1*22.50*5*0.333	37		
	Total	<u>110 Cft</u>		
		@ 4554.00	%Cft	Rs. 5009
48	Painting to door and window any type new surface 3 coats.			
	8*(22/7)*1.25*11	346		
		<u>346 Sft</u>		
		@ 2303.25	%Sft	Rs. 7969

49	P/L ceramic tile for floor of lav. blocks complete item as approved by the Engineer incharge.			
	1*7.625*5	38		
	1*8*5	40		
	1*16*12	192		
	1*12*6.75	81		
	1*10*9	90		
	10*3*5	150		
	2*3*0.75	5		
	10*2.5*0.375	9		
	2*2.5*0.75	4		
		<u>609 Sft</u>		
		@ 204.75	P.Sft	Rs. 124693
b	P/L ceramic tile for dado/skirting of lav. blocks complete item as approved by the Engineer incharge.			
	1*2*(7.625+5)*7	177		
	1*2*(8+5)*7	182		
	1*2*(16+12)*7	392		
	1*2*(12+6.75)*7	263		
	1*2*(10+9)*7	266		
	10*2*(3+5)*7	1120		
		<u>2399</u>		
		@ 212.00	P.Sft	Rs. 508588
50	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			
	1*7.25*2	15 Sft		
	1*10.5*2	21		
	1*15*2	30		
	6*6*(0.25+1.625)/2	34		
	18*6*1	108		
	2*5*24*1.25	300		
		<u>507 Sft</u>		
		@ 371.40	P.Sft	Rs. 188300
b.	1/2 " thick			
	2*5*24*0.5	120		
	6*6*0.5	18		
	18*6*0.5	54		
		<u>192 Sft</u>		
		@ 318.15	P.Sft	Rs. 61085
52	P/F 1.1/2" thick UPVC Door with chowkhat			
	17*2.5*7	298 Sft		
		<u>298 Sft</u>		
		@ 740.00	P.Sft	Rs. 220150
53	P/F Stainless steel edge protector			
		<u>2012.5 Rft</u>		
		<u>2012.5 Rft</u>		
		@ 220.00	P.Rft	Rs. 442750

Anti-microbial Floor	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

$$\text{OT. } 1 \times 16 \times 22 = 352 \text{ sfr @ } 460/- \\ = 16420/-$$

Non-porous false ceiling	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.
	(A) 0.6 mm thick
	(b) Bevelled edges & flange 21.5 mm
	(iii) 600 mmX 600 mm
	If 0.7 mm thick used increase composite rate by 5 %.

$$\text{OT } 1 \times 16 \times 22 = 352 \text{ sfr @ } 450/- \\ = 158400/-$$

Anti-microbial wall panelling	Supply and installation premium graded/scratch-resistant Hygenic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge
	(a) 2.5mm thick

$$\text{OT } 2 \times 16 \times 12 = 384 \text{ sfr} \\ 2 \times 22 \times 12 = 528 \text{ sfr} \\ \underline{912 \text{ sfr @ } 1750/-} \\ = 1596000/-$$

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

4x17

68 Rft

68 Rft

@ 1784.30

P.Rft

Rs. 121332

54


Uplifting of Façade Work front of main building

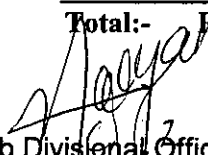
Detailed Attached

1 Job

1 Job

Rs. 2056800


Executive Engineer,
Buildings Division,
Sargodha

Total:- Rs. 23560042/-
25476362/-

Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

REVISED ROUGH COST ESTIMATE FOR THE WORK " REVAMPING OF THQ HOSPITAL BHALWAL DISTRICT SARGODHA

Uplifting / Façade Work front of main building

- 1 Excavation in foundation of building, bridges and other structures, including dag belling, 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

Design	1	x	76 1/4	x	3 1/4	x	2	496
	1	x	85	x	3 1/4	x	2	553
	1	x	27 3/8	x	3 1/4	x	2	178 "
	2	x	14 1/4	x	3 1/4	x	2	185 "
	2	x	8	x	2 1/2	x	2	80

Total:- 1492 Cft

@ 8949.80 %Cft

Rs. 13353/-

- 2 P/L Cement concrete brick or stone ballast 1-1/2" to 2" gauge in (1:6:12)

Design	1	x	76 1/4	x	3 1/4	x	3/4	186 Cf
	1	x	85	x	3 1/4	x	3/4	207
	1	x	27 3/8	x	3 1/4	x	3/4	67 "
	2	x	14 1/4	x	3 1/4	x	3/4	69 "
	2	x	8	x	2 1/2	x	1/2	20

Total 549 Cft

@ 14289.60 %Cft

Rs. 78450/-

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

	1	x	76 1/4	x	2 1/4	x	1/4	43 Cft
	1	x	76 1/4	x	1 7/8	x	1/4	36
	1	x	76 1/4	x	1 1/2	x	1/4	29
	1	x	76 1/4	x	1 1/8	x	1 7/8	161
	1	x	5	x	3/8	x	2 5/8	5
	1	x	85	x	2 1/4	x	1/4	48
	1	x	85	x	1 7/8	x	1/4	40
	1	x	85	x	1 1/2	x	1/4	32
	1	x	85	x	1 1/8	x	1 7/8	179
	1	x	9 1/2	x	3/8	x	2 5/8	9
	1	x	26 3/8	x	2 1/4	x	1/4	15
	1	x	26	x	1 7/8	x	1/4	12
	1	x	25 5/8	x	1 1/2	x	1/4	10
	1	x	25 1/4	x	1 1/8	x	1 7/8	53
	2	x	14 1/4	x	2 1/4	x	1/4	16
	2	x	14 1/4	x	1 7/8	x	1/4	13
	2	x	14 1/4	x	1 1/2	x	1/4	11
	2	x	14 1/4	x	1 1/8	x	1 7/8	60
	2	x	8	x	1 1/8	x	1/4	5
	2	x	8	x	3/4	x	2	24

Total:- 801 "

@ 24784.80 %Cft

Rs. 198526/-

- 4 Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating :-(a) with one coat of bitumen and one coat of polythene sheet 500 gauge: i) 1-1/2" thick.

	1	x	76 1/4	x	1 1/8	86 Sft
	1	x	5 1/2	x	3/8	2
	1	x	85	x	1 1/8	96 Sft
	1	x	9 1/2	x	3/8	4
	1	x	25 1/4	x	1 1/8	28
	2	x	14 1/4	x	1 1/8	32

D/d

Total:- 248 Sft

1 x 10 x 1 1/8 11
2 x 6 x 1 1/8 14

Total:- 25 Sft

Net. (248 - 25) 223 Sft

@ 6729.55 %Sft

Rs. 15007/-

4 Pacca brick work with cement sand mortar in G/Floor. Ratio 1:6

2 x 3 x 1 1/8 x 16 108 Cft
1 x 4 1/2 x 3/4 x 16 54
4 x 3/4 x 1 x 16 48
1 x 9 1/2 x 3/4 x 16 114
8 x 3/4 x 1 x 16 96
8 x 10 x 1 1/8 x 3 270
8 x 4 x 1 1/8 x 10 360
8 x 10 x 1 1/8 x 4 3/4 428
1 x 25 1/4 x 1 1/8 x 14 3/4 419
2 x 14 1/4 x 1 1/8 x 14 3/4 473

Total:- 2370 Cft

DD

1 x 10 x 1 1/8 x 8 1/2 96
2 x 6 x 1 1/8 x 8 1/2 115
1 x 11 1/2 x 1 1/8 x 3/4 10
10 x 7 1/2 x 1 1/8 x 3/4 63

Total:- 284 Cft

Net. (2370 - 284) 2086 Cft

@ 26632.80 %Cft

Rs. 555560/-

5 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:- (3) (c) Type C (nominal mix

Lintols 1 x 11 1/2 x 1 1/8 x 3/4 10 Cft
10 x 7 1/2 x 1 1/8 x 3/4 63
slab 1 x 24 1/2 x 20 x 3/7 204
1 x 76 1/4 x 5 1/2 x 3/7 175
1 x 85 x 5 1/2 x 3/7 195

Total:- 647 Cft

@ 477.80 P-Cft

Rs. 309137/-

7 Fabrication of M.S reinforcement i/c cutting bending binding lying in position complete D bars

647 x 6 3/4 / 2.204 1982 Kg

Total:- 1982 "

@ 25988.30 %Kg

Rs. 515088/-

8 Single layer of tiles 9"x4 1/2"x1 1/2" (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 supplying and laying polythene shee on roofs etc 500 gauge.

1 x 23 x 20 460 Sft

Total:- 460 Sft

d/d 1 x 2 x 2 (-) 4

Net. 456 Sft

@ 9909.45 %Sft

Rs. 45187/-

9 1/2" thick cement plaster 1:4 upto 20' (6.00 mm) height:-

C/Room 1 (23 + 28 1/2) 1 x 14 3/4 760 Sft

Ver. 1 (24 1/4 + 30 3/4) 1 x 14 3/4 811

2 x 3 x 16 96

2 x 4 3/4 x 16 152

2	x	4 1/2	x	16	144
2	x	9 1/2	x	16	304
20	x	1	x	16	320
16	x	10	x	14 3/4	2360
Total:-					4947 Sft

D/d.

8	x	6	x	10	480
Total:-					480 Sft
Net. (4947 - 480)					4467 Sft
@ 2661.85 %Sft					Rs. 118905/-

10 3/8" thick cement plaster 1:3 under soffit of RCC slab.

Design	1	x	76 1/4	x	4 3/4	362	Sft
	1	x	85	x	4 3/4	404	
Podium	1	x	23	x	20	460	
						<hr/>	
Total:-						1226	Sft
						@ 3038.10	% Sft

11 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: 1 coat

Take as above

					4467 Sft
Total:-					4467 Sft
@ 1750.20 %Sft					Rs. 78181/-

12 Providing and fixing aluminium U Shape Channel

Podium	8	x	8	x	10	640	Rft
Podium	8	x	24 1/4			194	
Podium	2	x	8	x	15 5/8	250	
Total:-						1084	Rft
@						85.00	P-Rft
Total:-							Rs. 92140/-
							Rs. 2056781/-

Say. Rs. 2056800/-

Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

Executive Engineer,
Buildings Division,
Sargodha

T.H.Q HOSPITAL BHALWAL					
Provision/Installation of Electrical Equipment.					
S.#	Description	Qty	Unit	Rate	Amount
A	L.T. (LV) SUB-STATION EQUIPMENT:				
1	Supply, installation, testing, commissioning of MAIN SWITCH BOARD-630A (with SPD IP-64) with Incoming From 200KVA Transformer-1 & 2 Indication Lamp, Insutement Protection Fuse, including 600A Main copper bus bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make.of 14 SWG miled steel sheet fabricated, Outdoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu. etc. shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.	2			
	MAIN SWITCH BOARD-630A (with SPD IP-64) (3'6"X2.5)				
	Incoming from 200KVA Transformer.				
	630A TP MCCB 36KA	Terasaki/Schneider	01 No.	62417.8	
	Digital Volt Meter 0-600V	Entes/Schneider	01 No.		
	Volt Selector Switch	GGT/Camsco	01 No.		
	Digital Ampere Meter 0-600A	Entes/Schneider	01 No.		
	Ampere Selector Switch	GGT/Camsco	01 No.		
	Current Transformer 600/5A	Fico/Metelx	03 Nos.		
	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.		
	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.		
	600A Copper Bus Bar		01 Job.	62417.8	124835.6
2	Electrical Room should be built as per requirement.				
3	Providing and fixing screwless cable tray cover fabricated with 18 SWG G.I. Sheet of required size i/c the cost of hardware as approved and directed by the Engineer Incharge.	500	ft	123.6	61800
	(ii) 6" wide				
4	Supply, installation, testing, commissioning of MAIN LT & WAPDA CHANGE OVER PANEL 600A with Incoming-1 & 2 From 200 kVA Transformer 1 & 2, ON-OFF Indication Lamp, Insutement Protection Fuse, including 600A Main copper bus bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C and shall be of one make only and not to be mixture.	1			
	MAIN LT & WAPDA CHANGE OVER PANEL				
	MAIN LT & WAPDA CHANGE OVER PANEL				
	800A 4P Automatic & Manual Transfer Switch (400 kVA)	LKE/EQV	01 No.	3047825.08	
	Digital Volt Meter 0-600V	Entes/Camsco	02 No.		
	Volt Selector Switch	GGT/Camsco	02 No.		
	Digital Ampere Meter 0-1000A	Entes/Camsco	01 No.		
	Ampere Selector Switch	GGT/Camsco	01 No.		
	Current Transformer 1000/5A	Fico/Metelx	03 Nos.		
	Auxiliary Relay 8-Pin (for automatic operation)	Iskra/Finder	02 Nos.		
	Timer with Base (for time delay operation)	FotekEqv.	02 Nos.		
	Auto Manual Switch (for Byoass module)	GGT/Camsco	01 No.		
	Push Button ON/OFF	Himel/Schneider	04 Nos.		
	Indication Lamp (R+Y+B+ON+OFF) 220VAC	Schneider/Himel	10 Nos.		
	6A Control MCB for Instrument Protection.	Terasaki/Legrand/Eqv.	01 No.		
	Electrically Interlocking systems		01 Job.		
	OUTGOING				
	200A TP MCCB 36KA	Terasaki/Schneider	04 Nos.	149831.2	
				3197656.28	3197656.28
5	Supply, installation, testing, commissioning of 250 KVAR POWER FACTOR IMPROVEMENT PLANT with 4-step 12.5Kvar, 8 step 25Kvar Couplng arrangement of L.T. PANEL, Power Capacitors, Magnatic Contactor 220VAC,125A HRC Fuse, 6-Step PFI Controller, ON-OFF Indication Lamp, ON/OFF Push Button, Auxiliary Contactor 4NO+4NC, Auto Manual Switch, Insutement Protection Fuse, including 800A Main copper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 12/14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95 -100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above Component Make Togami/Schenider/Mitsubishi/Hatachi/ABB, Capacitor Entes, Iskra,Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. and shall be of one make only and not to be mixture (PLANT COUPLE WITH MAIN PANEL.)	1			
	250 KVR PFI PLANT				
	Power Capacitor 12.5KVAR	Iskara/Entes/Enerlux/ZEZ/Amber/	04 Nos.		
	Power Capacitor 25KVAR	Iskara/Entes/Enerlux/ZEZ/Amber/	08 Nos.		
	Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsubis/Hathi/	04 Nos.		
	Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsubis/Hathi/	08 No.		
	32/63A HRC Fuses with bases	Efen/Jennmuller/DF-Electric/Himel	36 Nos.		
	Power Factor Controller 6-Steps	Entes/Inter/Mikro	01 No.		
	ON indication Lights	Himel/Schneider	08 Nos.		
	Push Button ON/OFF	Himel/Schneider	24 Nos.		
	CTs 1000/5A	Fico/Metelx	01 No.		
	Auxiliary Contactor	Togami/Hatachi/Eqv.	03 Nos.		
	Control MCB S/P	Terasaki/Legrand/Eqv.	03 Nos.		
	Auto/Manual Switch	GGT/Camsco/Eqv	01 No.		
	Surge Suppressors		45 Nos.		
	Exhaust Fan Cassettes.	Imported.	01 No.		
	Temperature Regulator 0-60C	Alfa Elec/Finder	01 No.		635765.06

ELECTRIC INSTALLATION (Internal + External)

- ~~27560~~ Rft
12000
Total ~~27560~~ Rft

@ 82.65 P.Rft ~~-2277834-~~
991800

- | | | |
|--------------|-------------|------------|
| 0+100 | 1450 | Rft |
| Total | 1450 | Rft |

@ 180.55 P.Rft ~~261798~~

- 24710 Rft
Total ~~24710~~ Rft
10000

@ 21.35 P.Rft ~~527559~~

- 27863 Rft
Total ~~27863~~ Rft
10000

Rft 334,000
@ 33.40 P.Rft -930624

- | | |
|------------------------|-----|
| 12901 | Rft |
| Total 12901 | Rft |
| 3000 | @ |

Rft 183300
@ 61.10 P.Rft 788251

- 6920 Rft
Total 6920 Rft
@

@ 141.65 P.Rft ~~980218~~

- | | | |
|--------------|-------------|-----|
| | 1150 | Rft |
| | 485 | |
| Total | 1635 | Rft |
| | | @ |

@ 1673.35 P.Rft ~~-2735927~~

- | | | |
|--------------|-----------|------------|
| | 82 | Rft |
| Total | 82 | Rft |
| | | @ |

@ 6989.00 P.Rft 573098

- | | | |
|--------------|-----------|------------|
| | 9 | Cft |
| | 9 | Cft |
| | 3 | Cft |
| | 11 | |
| Total | 32 | Cft |

@ 41912.65 P.Cft ~~1341205~~

- | | | |
|-----------|----|-----|
| 2*(2*3*1) | 12 | Cft |
| 2*(2*3*1) | 12 | Cft |
| 4*2*3*1 | 24 | Cft |
| 1*4*5*1 | 20 | |

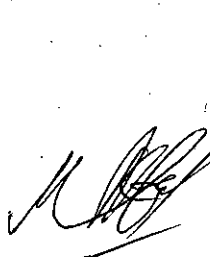
S.#	Description	Qty	Unit	Rate	Amount
6	Supply, installation, testing, commissioning of ATS-1 & 2 200A PANEL with Incoming-1 from 100KVA GENSET-1 & Incoming-2 from 100KVA GENSET-2, Indication Lamp, Instrument Protection Fuse, including 200A Main copper bus bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals assembled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make of 14 SWG mild steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.	2			
	ATS-1&2 630A PANEL				
	Incoming-1 from 100KVA GENSET-1 & Incoming-2 from 100KVA GENSET-			799341.74	
1	200A 4P Auto Transfer Switch (ATS) (100 kVA)		LKE/Eqv.	02 Nos.	
2	Digital Volt Meter 0-600V		Entes/Schneider	04 Nos.	
3	Volt Selector Switch		GGT/Camsco	06 Nos.	
4	ATS Module with Battery & Battery Charges 12/24VDC		DSE UK/Eqv.	02 Nos.	
5	Miniature Auxiliary Relay 8-Pin		Finder/Iskra	08 Nos.	
6	Phase Indication Lamps. (R+Y+B)		Schneider/Himel	12 Nos.	
7	6A Control MCB for instrument Protection.		Terasaki/Schneider	12 Nos.	
8	Electrically/Mechanically/Interlocking ATS.			02 No.	
	OUTGOING				
1	200A TP MCCB 36KA		Terasaki/Schneider	3	112373.4
					911715.14
7	Supply, installation, testing, commissioning of MDB-1 & 2 200A (From ATS-1 & 2) with Incoming From ATS-1 & 2, Indication Lamp, Instrument Protection Fuse, including 200A Main copper bus bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals assembled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG mild steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture	2			1823430.28
	MDB-1 & 2 200A (From ATS-1 & 2) (3*4*1')				
	Incoming			149313.6	
1	200A TP MCCB 36KA		Terasaki/Schneider	01 No.	
2	Digital Volt Meter 0-600V		Entes/Schneider	01 No.	37457.8
3	Volt Selector Switch		GGT/Camsco	01 No.	
4	Digital Ampere Meter 0-600A		Entes/Schneider	01 No.	
5	Ampere Selector Switch		GGT/Camsco	01 No.	
6	Current Transformer 600/5A		Fico/Metelx	03 Nos.	
7	Phase Indication Lamps. (R+Y+B)		Schneider/Himel	03 Nos.	
8	6A Control MCB for Instrument Protection		Terasaki/Schneider	03 Nos.	
	OUTGOING				
1	63A TP MCCB 25KA		Terasaki/Schneider	07 Nos.	95674.6
1	30A TP MCCB 25KA		Terasaki/Schneider	07 Nos.	95674.6
					378120.6
8	Supply, installation, testing, commissioning of PDB-1,2,3,4 63A (From MDB-1) and PDB-5,6 63A (From MDB-2) with Incoming From Main DB 1 (for PDB-1,2,3,4) and Main DB 2 (for PDB-5,6), Indication Lamp, Instrument Protection Fuse, including 60A Main copper bus bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals assembled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG mild steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture	6			756241.2
	PDB-1,2,3,4,5,6 60A				
	Incoming			62868.975	
1	150A TP MCCB 25KA		Terasaki/Schneider	01 No.	
2	Digital Volt Meter 0-600V		Entes/Schneider	01 No.	31,654.30
3	Volt Selector Switch		GGT/Camsco	01 No.	
4	Digital Ampere Meter 0-200A		Entes/Schneider	01 No.	
5	Ampere Selector Switch		GGT/Camsco	01 No.	
6	Current Transformer 200/5A		Fico/Metelx	03 Nos.	
7	Phase Indication Lamps. (R+Y+B)		Schneider/Himel	03 Nos.	
8	6A Control MCB for Instrument Protection.		Terasaki/Schneider	03 Nos.	
	OUTGOING				
1	20,32,63A TP MCB 10KA		Terasaki/Schneider	07 Nos.	7954.8
					102478
9	Supply, installation, testing, commissioning of LDB-1,2,3,4 30A (From MDB-1) and LDB-5,6 30A (From MDB-2) with Incoming From Main DB 1 (for LDB-1,2,3,4) and Main DB 2 (for LDB-5,6), Indication Lamp, Instrument Protection Fuse, including 60A Main copper bus bar Suitable For Each Phase/Neutral & link as per above outgoing circuit breaker, installed in cubicals assembled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG mild steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.	6			614868
	LDB-1,2,3,4,5,6 30A				
	Incoming			62868.975	
1	30A TP MCCB 25KA		Terasaki/Schneider	01 No.	
2	Digital Volt Meter 0-600V		Entes/Schneider	01 No.	13841.8
3	Volt Selector Switch		GGT/Camsco	01 No.	
4	Digital Ampere Meter 0-200A		Entes/Schneider	01 No.	
5	Ampere Selector Switch		GGT/Camsco	01 No.	
6	Current Transformer 200/5A		Fico/Metelx	03 Nos.	
7	Phase Indication Lamps (R+Y+B)		Schneider/Himel	03 Nos.	

S.#	Description	Qty	Unit	Rate	Amount
8	6A Control MCB for Instrument Protection.	03 Nos.			
	OUTGOING				
1	10,20,30 A TP MCB 10KA	09 Nos.		10227.6	
				86938	521630
B	LT POWER CABLE.				
	Supply at site, installation, testing and commissioning of PVC insulated PVC sheathed non armoured copper conductor cable 600/1000V grade in prelaid conduits/ trenches or on cable trays as per routes and as per requirement discussed with site engineer, including supply and installation of all necessary fixing accessories, connections, identification tags, cables lugs properly crimped, at both ends all respect. Actual length of cables installed shall be measured for payment. Actual length of cables shall be measured at site by contractor before placing the order.				
1	240mm sq. 4-Core, PVC/PVC non armored Cable.	120	rft	9173	1100760
2	95mm sq. 4-Core, PVC/PVC non armored Cable.	250	rft	3605.35	901337.5
3	25mm sq. 4-Core, PVC/PVC non armored Cable.	264	rft	995.35	262979
C	EARTHING SYSTEM				
	Supply, Installation, Drilling of earth bore 3" (75mm) dia 70 to 80-ft deep or up to permanent water table, back filling ramming, with G.I pipe 50mm dia 14-SWG and tinned spike to be installed in premade bore all G.I pipe accessories like tees bends sockets etc G.I pipe shall be connected to tinned copper spike be installed at bottom of G.I pipe all nuts and bolts & earthing leads consisting of standard electrolytic copper conductor 70mm sq; to be installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location, earth connecting points consisting of copper plate 300mm longx50mm widex12.5mm thick to be installed, Construction of man hole 450mmx450mm x600mm deep with 225mm thick wall with cement mortar internal plaster 1:4, RCC 100mm thick man hole cover lifting hooks and the following words written with paint on cover "Earthing Pit", horizontal and vertical rising copper strip of size 25mm wide and 3mm thick as main circuit protective conductor. Terminating on earthing connection points and also fixed both sides for H.T/L.T/SMPB/DB Panel & Cable tray or in cable ladder as per detail site engineer.				
	a) Earthing system with Bores for body of transformer No. 1 & 2	1		8118.05	8118.05
					10009422

		Total	21	Nos			
				@	13841.80	Each	290678
C	125 to 250 Amp						
	1+1		2	Nos			
	1+1		2	Nos			
	1+1+1+1		4	Nos			
	Total	8	Nos				
				@	23477.80	Each	487822
D	630 Amp						
			1	Nos			
	Total	1	Nos				
				@	102437.00	Each	102437
	S/E of bus-bar for 500b volt 3-phase AC supply with copper bar as approved (i) 200 Amp (2"x1/8") size						
	1+1		2	Nos			
	1+1		2	Nos			
	1+1		2	Nos			
	Total	6	Nos				
				@	5228.55	Each	31371
10	P/F pvc concealed switch kit box i/c cost of screws small size						
		310	Nos				
	Total	310	Nos				
				@	137.10	Each	42501
b.	...do... large size						
		160	Nos				
	Total	160	Nos				
				@	158.70	Each	25392
11	S/E pvc double layer face plat of Hilife with specific hole cost of switch socket 6-gange						
		160	Nos				
	Total	160	Nos				
				@	1259.40	Each	201504
12	S/E of fan dimmer of hilife						
		50	Nos				
	Total	50	Nos				
				@	449.40	Each	22470
13	S/E of 3-pin power plug hilife						

		Total	80	Nos			
				@	673.80	Each	53904
14	S/E of button holder bakelite 1*200		350	Nos			
		Total	350	Nos			
				@	46.15	Each	16153
16	S/E of LED bulb 18-watt 1*200		350	Nos			
		Total	350	Nos			
				@	403.00	Each	141050
17	S/E of ceiling fan hook 3/8" dia MS bar placed at the time of casting of slab..		20	Nos			
		Total	20	Nos			
				@	58.85	Each	1177
18	S/O 56" sweep ceiling fans complete item.		20	Nos			
		Total	20	Nos			
				@	5500.00	Each	110000
19	Errection of ceiling fans i/c carriage complete item.		20	Nos			
		Total	20	Nos			
				@	394.75	Each	7895
20	S/E of exhaust fan 12" dia plastic body complete as approved by the Engineer incharge.		12	Nos			
		Total	12	Nos			
				@	2201.85	Each	26422
21	S/E of LED Light 50 Watt		20	Nos			
		Total	20	Nos			
				@	6500.00	Each	130000

Total ~~43407113~~
12510490


Sub Divisional Officer,
Buildings Sub Division,
Bhailwal


Executive Engineer,
Buildings Division,
Sargodha

1

REVISED ROUGH COST ESTIMATE FOR THE WORK "
REVAMPING OF THQ HOSPITAL BHALWAL DISTRICT
SARGODHA

S.I. Portion

1	P/F glazed earthen ware WC squatter type combined with foot rest I/c P trap (coloured).	8 Nos. 8 Nos. @ 2418.45 Each	Rs. 19348.00
2	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 Nos. 4 Nos. @ 13915.80 Each	Rs. 55663.00
4	P/F low down flushing cistern 3 gallons capacity plastic(colour).	8 Nos. 8 Nos. @ 2401.85 Each	Rs. 19215.00
5	P/F glazed earthen ware low down flushing cistern 3 gallons capacity complete item.	4 Nos. 6 10 Nos. @ 4201.35 Each	Rs. 42014.00
6	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. (V) Under Counter Vanity	6 Nos. 6 Nos. @ 6627.00 Each	Rs. 39762.00
8	P/F gully trap complete item. Part-I,II,III	4 Nos. 4 Nos. @ 941.40 Each	Rs. 3766.00
9	Cutting holes 4"x6" in brick wall with chisel repairing masonry and removing dabri within one chain	4 Nos. 4 Nos. @ 454.00 Each	Rs. 1816.00
10	P/F CP Toilet Paper holder.	4 Nos. 4 Nos. @ 514.55 Each	Rs. 2058.00

11	P/F CP towel rail 3/4" dia 24" long.	10 Nos.		
		<u>10 Nos.</u>		
		@ 480.40	Each	Rs. 4804.00
12	P/F looking glass 5mm thick best quality 22"x16" complete.	10 Nos.		
		<u>10 Nos.</u>		
		@ 586.75	Each	Rs. 5868.00
14	P/F CP bib cock 1/2" dia.	12 Nos.		
		<u>12 Nos.</u>		
		@ 468.40	Each	Rs. 5621.00
15	P/F CP T stop cock 1/2" dia.	22 Nos.		
		<u>22 Nos.</u>		
		@ 888.40	Each	Rs. 19545.00
16	P/F CP mixer vale 1/2" dia.	6 Nos.		
		<u>6 Nos.</u>		
		@ 1980.50	Each	Rs. 11883.00
18	P/F CP shower rose complete item as MRS	2 Nos.		
		<u>2 Nos.</u>		
		@ 468.40	Each	Rs. 937.00
19	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain /socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge			
	(171+494+18+17+16+14+14+12+15+12)	783 Rft		
		<u>783 Rft</u>		
		@ 205.00	P.Rft	Rs. 160515.00
b	3" dia.			
	(7+6+14+11+28+12+15+25+20)	138 Rft		
		<u>138 Rft</u>		
		@ 121.10	P.Rft	Rs. 16712.00

21 P/L PPRC pipe with specials
complete

b 32 mm

Water Supply

700 Rft

700 Rft

@ 99.40

P.Rft

Rs. 69580.00

c 25 mm

M.Bldg W/S

500 Rft

500 Rft

@ 61.10

P.Rft

Rs. 30550.00

22 P/F gun metal gate peet valve
complete (2" dia)

1 No.

1 No.

@ 8064.60

Each

Rs. 8065.00

b 1.1/4" dia.

6 Nos.

6 Nos.

@ 4434.60

Each

Rs. 26608.00

23 (N.S.)
S/E of elbow action for operation theatre
complete item as approved by the
Engineer incharge.

1 Nos.

1 Nos.

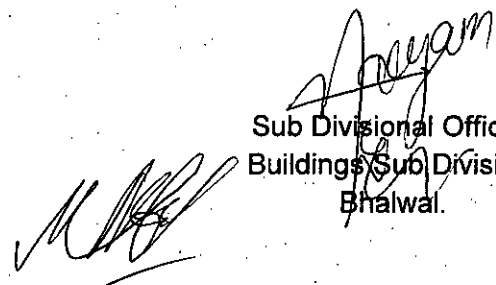
@ 5000.00

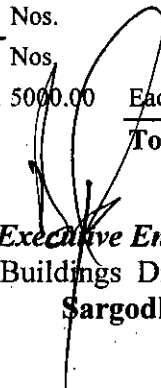
Each

Rs. 5000.00

Total:-

Rs. 549330.00


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.


Executive Engineer,
Buildings Division,
Sargodha


1


REVISED ROUGH COST ESTIMATE FOR THE WORK "
REVAMPING OF THQ HOSPITAL BHALWAL DISTRICT
SARGODHA

GENERAL ABSTRACT OF COST
EXTERNAL DEVELOPMENT

1	Installation of Tube Well	Rs. 311416
2	Machinery for Water Supply	Rs. 1295898
3	Machinery for Disposel	Rs. 1085000
4	Water Supply System	Rs. 195723
5	Sewerage System	Rs. 623985
6	Pumping Chamber	Rs. 204371
7	Tuff Paver	Rs. 495756

Total:- Rs. 4212149


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.


Executive Engineer,
Buildings Division,
Sargodha.

tuff Paver

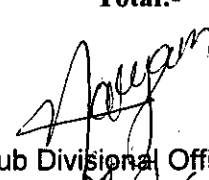
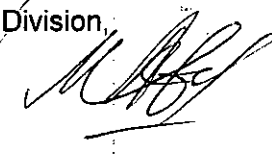
1 Dismantling Brick or flagged flooring
1*300*20 6000 Cft
Total 6000 Cft
@ 718.10 %Cft Rs. 43086.00

2 P/L brick or stone ballast 1:1/2"x2" size in F&P
1*300*20*0.5 3000 Cft
Total 3000 Cft
@ 4554.00 %Cft Rs. 136620.00

3 Labour for laying of old Tuff paver
1*300*20 6000 Sft
Total 6000 Sft
Take 70 % of Total Qty 4200
@ 20.80 P.Sft Rs. 87360.00

4 P/F Tuff paver 60mm thick of supper tuff / Izhar Ltd., Taxila (7000 PSI concrete concept) with sand grouted i/c carriage and labour over bed of 2" thick sand complete item as approved by the Engineer incharge.
1*300*20 6000 Sft
Total 6000 Sft
Take 30 % of Total Qty 1800
@ 127.05 P.Sft Rs. 228690.00
Total:- Rs. 495756.00


Executive Engineer,
Buildings Division,
Sargodha


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal


1

REVISED ROUGH COST ESTIMATE FOR THE WORK "
REVAMPING OF THQ HOSPITAL BHALWAL DISTRICT

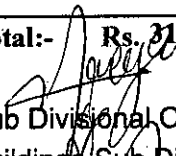
SARGODHA

EXTERNAL DEVELOPMENT

Installation of Tube Well

1	Boring of tube well except shingle/rock soil complete. 8" i/dia.	100 Rft <hr/> 100 Rft @ 1007.40	P.Rft	Rs. 100740.00
2	P/Installing PVC strainer BSS class 'D' complete item 6" dia.	60 Rft <hr/> 60 Rft @ 905.00	P.Rft	Rs. 54300.00
3	P/Installing PVC bail end plug in tube well hole 6" dia BSS class 'D'.	1 No. <hr/> 1 No. @ 217.00	Each	Rs. 217.00
4	P/Installing PVC blind pipe BSS class 'D' 6" dia.	40 Rft <hr/> 40 Rft @ 1459.90	P.Rft	Rs. 58396.00
5	Sharouding with pea gravel 3/8" to 1/8" around tube well in bore hole. $(22/28) \times (2/3 - 1/2)^2 \times 60$	9 Cft <hr/> 9 Cft @ 120.25	P.Cft	Rs. 1082.00
6	Furnishing sample of water from bore hole. 1*10	10 Nos. <hr/> 10 Nos. @ 174.00	Each	Rs. 1740.00
7	Providing extra subsequently box of deodar wood 4'x2.1/2'x9" with locking arrangment complete item.	1 No. <hr/> 1 No. @ 27863.05	Each	Rs. 27863.00
8	P/L GI pipe with specials complete item, medium quality. 2" i/dia.	40 Rft <hr/> 40 Rft @ 735.40	P.Rft	Rs. 29416.00
b.	3" i/dia.	40 Rft <hr/> 40 Rft @ 941.55	P.Rft	Rs. 37662.00


Executive Engineer,
Buildings Division,
Sargodha

Total:- Rs. 311416.00

Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

EXTERNAL DEVELOPMENT

2

Machinery for Water Supply

- 1 S/E of centrifugal pump size 2"x2.1/2" KSB horizontal type coupled with AC electric motor 15 BHP 3 phase 2900 RPM (Peco/Climax) diamond or new man) discharge of 90 gallons per minutes with total head 140' to 150' ft with swithc starter MEM England made 15 to 30 Amp volt meter amp meter warning lights fixed on M/S angle iron board with cement concrete foundation and angle iron frame i/c electrification connection to bore with all type of special i/c 3" i/d brass check valve (Diamond) complete working order as approved by the Engineer incharge (Fixing

2 No.

2 No.

@ 556000.00 Each Rs. 1112000.00


- 2 P/F MS blind pipe 4" dia i/c special

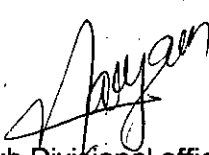
220 Rft

220 Rft

@ 835.90 Each Rs. 183898.00

Total:- Rs. 1295898.00


Executive Engineer,
Buildings Division,
Sargodha


Sub Divisional officer,
Buildings Sub Division,
Bhalwal

Machinery for Disposil

3

1

P/F Non clogging centrifugal pump
x3"x2.1/2" in position of centrifugal
pump coupled with electric motor
7.05 BHP (Siemens) made head 40
ft i/c bowl assembly impellers pump
shaft top set erection of suspension
clumps cable clamps sluice valves
reflex valves circuit breaker etc dry
running protection device complete
in all respects as approved and
directed by the Engineer In charge.


1 No.

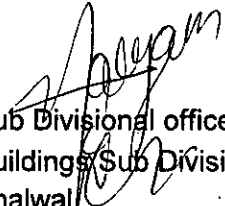
1 No.

@ 1085000.00 Each

Rs. 1085000.00

Total:- Rs. 1085000.00


**Executive Engineer,
Buildings Division,
Sargodha**


**Sub Divisional officer,
Buildings Sub Division,
Bhalwal**


EXTERNAL DEVELOPMENT


4

Water Supply

1. Excavation for water supply pipe
line in all kin of soil upto 5'
below Ground Level.
1*432*3*3 3888 Cft
 3888 Cft
 @ 6362.40 %0Cft Rs. 24737.00
2. Re-handling of earth upto single
throw of kassi.
Qty as item No.1 3888 Cft
 3888 Cft
 @ 2112.00 %0Cft Rs. 8211.00
3. P/F PVC pipe pipe BSS Class B
pressure
1) 3" 425 Rft
 425 Rft
 @ 383.00 P.Rft Rs. 162775.00

Total:- Rs. 195723.0


Executive Engineer,
Buildings Division,
Sargodha



Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

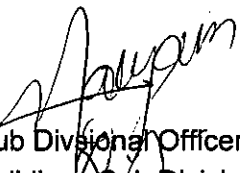
EXTERNAL DEVELOPMENT

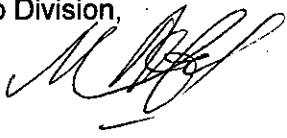
Sewerage i/c Manhole etc.

- 1 Excavation in open cutting for
sewer line & manhole etc. in
ordinary soil 0-7' depth
- Sewerline 1x450x3x2 2700 Cft
2700 Cft
@ 7554.25 %0Cft Rs. 20396.00
- 2 Re-handling of earth upto single
throw of kassi.
- Qty as item No.1-A 2700 Cft
2700 Cft
@ 2112.00 %0Cft Rs. 5702.00
- 3 Construction of manhole size
4'x2.5'x3.5' (analysis attached)
- 8 Nos.
8 Nos.
@ 33278.00 Each Rs. 266224.00
- 4 P/L RCC pipe moulded with
(1:1.1/2:3) complete item 9"
- 200 100 Rft
100 Rft
@ 439.10 P.Rft Rs. 43910.00
- b. 12" I/dia.
- 450 Rft
450 Rft
@ 639.45 P.Rft Rs. 287753.00

Total:- Rs. 623985.0



Executive Engineer,
Buildings Division,
Sargodha

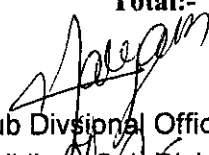

Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.



Analysis of Manhole 4'x2.1/2'x3.1/2' size

1	Excavation in open cutting for sewer and man holes. 1*6*4.5*3.5	95 Cft 95 Cft			
		Total:-	@ 7554.25	%Cft	Rs. 718.00
2	Cement concrete (1:6:18) in F&P. 1*6*4.5*0.5	14 Cft 14 Cft			
			@ 12867.60	%Cft	Rs. 1,801.00
3	Pacca brick work (1:4) C/S other than building. 2*5.5*.75*3 2*2.5*.75*3	25 Cft 11 36 Cft			
			@ 26874.00	%Sft	Rs. 9,675.00
4	1/2" thick cement plaster (1:4) 1*2*(4+2.5)*3.25 1*2*(5.5+2.5)*0.75	42 Sft 12 54 Sft			
			@ 2661.85	%Sft	Rs. 1,437.00
5	P.C.C plain (1:2:4) complete 1*4*2.5*0.25	3 Cft 3 Cft			
			@ 29211.60	%Cft	Rs. 876.00
6	Extra for making of finishing benching on main hole with 1/8" thick complete item. 1*2.5*4	10 Sft 10 Sft			
			@ 2367.80	%Sft	Rs. 237.00
7	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.	1 No. 1 No.			
			@ 5702.95	Each	Rs. 5,703.00
8	RCC (1:2:4) in roof slab etc. 1*5.5*4*0.5	11 Cft			
DEDUCTION					
Manhole cover $1*((22/7)*(22/12))*(22/12)*(1/4)*(1/2)$					
		1 1			
		Net:-	@ 477.45	P.Cft	Rs. 4,775.00
9	Fabrication of M.S 10*6.75*0.454	31 Kg 31 Kg			
			@ 25988.30	%Kg	Rs. 8,056.00
			Total:-		Rs. 33,278.00


Executive Engineer,
Buildings Division,
Sargodha


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

Construction of Pumping Chamber 8' i/dia.

1	Excavation in foundation of buildings bridges or other str. lead upto one chain lift upto 5' in ordinary soil.	4*9.75*1.5*2	117 Cft <u>117 Cft</u> @ 8949.60	%0Cft	Rs. 1047.00
2	Pacca brick work 1:6 c/s in F&P.	4*9.75*0.75*2.75	80 Cft <u>80 Cft</u> @ 24784.80	%Cft	Rs. 19828.00
3	Pacca brick work 1:6 in G.F.	4*9.75*0.75*8.75	256 Cft <u>256</u>		
DEDUCTION					
	D 1*3.5*0.75*7		18		
	Lint. 2*5*0.75*0.75		6		
	W 1*3*0.75*4		9		
	Total D/D:-		<u>33</u>		
	Net:-		223 Cft		
			@ 26632.80	%Cft	Rs. 59391.00
7	S/Filling sand under floor.	1*9.75*9.75*0.33	31 Cft <u>31 Cft</u> @ 2872.00	%Cft	Rs. 890.00
8	P/L watering ramming brick or stone ballast 1.1/2" to 2" gauge with 25% sand.	Qty as item No.7	31 Cft <u>31 Cft</u> @ 5275.80	%Cft	Rs. 1635.00
9	P/L conglomerate flooring (two coat work) with rubbing i/c finishing complete item.	2" thick.			
	1*9.75*9.75		95 Sft <u>95 Sft</u> @ 8596.10	%Sft	Rs. 8166.00
10	P/L 1/2" thick mosaic dado or skirting using grey cement with rubbing and polishing complete item.				
	1*(22/7)*8*0.5		13 Sft		
	Steps 1*5.5*6.5		36 <u>49</u>		
DEDUCTION					
	Door 1*3.5		3.5		
	Total D/D:-		<u>4</u>		
	Net:-		45 Sft		
			@ 17183.45	%Sft	Rs. 7733.00

11	Fabrication of MS re-inforcement for c/con. i/c cutting bending binding laying in (46*6.75)/2.204	141 Kgs <u>141 Kgs</u> @ 25988.30	%Kgs	Rs. 36644.00
12	P/L RCC 1:2:4 c/con in roof slab, beam, columns, lintels etc. complete. 1*11*11*0.333 Lintels 2*5*0.75*0.75	40 Cft 6 <u>46 Cft</u> @ 477.80	P.Cft	Rs. 21979.00
13	3/8" thick cement plaster 1:2 c/s under soffit of RCC slab. qty as item No.9	95 Sft <u>95 Sft</u> @ 3297.30	%Sft	Rs. 3132.00
14	1/2" thick cement plaster 1:4 c/s upto 20' h. 1*(22/7)*8*10	251 Sft <u>251 Sft</u> @ 2661.85	%Sft	Rs. 6681.00
15	Cement pointing deep struck joint 1:2 c/s with red oxide pigment upto 20' h. 1*(22/7)*9.5*11.5 Toe Wall 1*(22/7)*12.5*3	343 Sft 118 <u>461</u>		
DEDUCTION				
	Door 1*3.5*7	25		
	Window 1*4*4	16		
	Lintels 2*5*0.75	8		
	Total D/D:-	<u>49</u>		
	Net:-	412 Sft		
		@ 3486.25	%Sft	Rs. 14363.00
16	White washing 3 coats on new surface. Qty. as item No.13+14	346 Sft <u>346 Sft</u> @ 546.15	%Sft	Rs. 1890.00
17	P/F steel window with openable glazed pannels using beam, Z and T section, 3mm glass panes, 24 SWG wire gauze i/c painting complete.with ms flat grill 1*3*4	12 Sft <u>12 Sft</u> @ 1163.00	P.Sft	Rs. 13956.00

Single layer of tile
9"x4.1/2"x1.1/2" laid over 4"
earth 1" mud plaster, 1:3 c/s
grouting with bitumen coating
and polythene sheet 500 gauge.


1*(22/7)*(9.5*9.5)/4


71 Sft

71 Sft

@ 9909.45 %Sft Rs. 7036.00

Total:- Rs. 204371.00


Executive Engineer,
Buildings Division,
Sargodha


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal.

REVISED DETAILED ESTIMATE FOR THE WORK REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL
BHALWAL DISTRICT SARGODHA.

WATER COLD CHILLER

- 1 Supply of water filter plant. i/c chiller plant
complete as approved by the Engineer Incharge

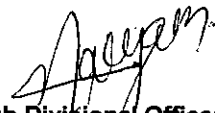
1 Nos

Total 1 Nos

@ 1842750.00 Each 1842750

Total 1842750


Sub Engineer


Sub Divisional Officer,
Buildings Sub Division,
Bhalwal



**ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF T.H.Q
BHLAWAL DISTRICT SARGODHA.**

STREET LIGHT

1	Excavation in foundation of building, bridges and other structures, i/c dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30m) and lif upto 5 ft (1.5m) (in ordinary soil)				
	1*3*3*4	36	Cft		
		@	8949.60 %Cft		322
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge				
	1*6*12 36*5/4	5	Cft		
		@	14289.60 %Cft		714
3	P.C.C 1:2:4 Plain				
	1*2-1/2*2-1/2*4	25	Cft		
	Total	25	Cft		
		@	29211.60 %Cft		7303
4	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 sperials 2" dia				
	1*(50+4)	54	Cft		
	Total	54	Cft		
		@	160.05 P.Cft		8643
5	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- twin core 7/0.036"				
	1*72	72	Rft		
	Total	72	Rft		
		@	88.80 P.Rft		6394
6	S/E of street light pole complete as approved by the Engineer Incharge.				
		1	Nos		
	Total	1	Nos		
		@	66600.00 Each		66600
7	Supply and erection of street light pole bracket 30 mm (1 1/4") G.I. pipe 2 metre long, complete with 2 No. pole clamp.i/c street light holder shad and glass i/c fitting of murcary vapour lamp 125 watt				
		1	Nos		
	Total	1	Nos		
		@	8031.80 Each		8032

10 x 100408

Total Rs. 98008
980077
Say Rs. 980000

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Bhalwal

Executive Engineer
Building Division
Sargodha

ABSTRACT COST OF PRICE VARIATION

Name of Work: REVAMPING OF THQ HOSPITAL BHALWAL

Name of Contractor: Engineer Irshad Ahmad (Govt. Contractor)

Date of Tender: 28-02-2022

Date of Acceptance: 01-04-2022

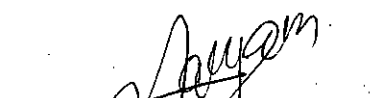
S.#	Description of Items	Total Qty	Unit	Period	Current Rate	Base Rate February 2022	Difference	Reference	Amount	
									Excess (+)	Savings (-)
1	2	3	4	5	6	7	8	9	10	11
1	Cement Grey	417.54	P.Bag	April 2022	850	720	130	//	54280	-
2	Cement Grey	613.03	P.Bag	June 2022	860	720	140	//	85824	-
3	Cement Grey	188.64	P.Bag	July 2022	1020	720	300	//	56592	-
4	Cement Grey	677.94	P.Bag	September 2022	1010	720	290	//	196603	-
5	Cement Grey	217.82	P.Bag	November 2022	1000	720	280	//	60990	-
6	Fabrication of M.S Steel (D Bars)	2.429	P.Ton	April 2022	200220	185220	15000	//	36435	-
7	Fabrication of M.S Steel (D Bars)	7.525	P.Ton	June 2022	203220	185220	18000	//	135450	-
8	1 st Class Bricks 9" X 4 ½ " X 3"	32603	%o Nos	April 2022	10000	10000	Nil	//	No Difference	
9	1 st Class Bricks 9" X 4 ½ " X 3"	60521	%o Nos	June 2022	10500	10000	500	//		
10	Brick Tile 9" X 4 ½ " X 1 ½ "	8838	%o Nos	September 2022	10600	9100	1500	//	Increase within 5%	
11	Bitumen Packed	389	P.Kg	September 2022	161.83	125.38	36.45	//	13257	-
									14179	-

12	M.S Section	740	P.Kg	June 2022	198.22	187.22	11	//	8140	-
13	M.S Section	381	P.Kg	July 2022	223.22	187.22	36	//	13716	-
14	M.S Section	160	P.Kg	November 2022	223.22	187.22	36	//	5760	-
15	M.S Section	2665	P.Kg	September 2022	223.22	187.22	36	//	95940	-
16	PVC Pipe Conduit Pipe 1"φ	2286	P.Mtr	April 2022	78	78	Nil	//	No Difference	
17	PVC Pipe Conduit Pipe 1"φ	1416	P.Mtr	June 2022	78	78	Nil	//	No Difference	
18	PVC Pipe Conduit Pipe 1"φ	2566	P.Mtr	July 2022	85	78	7	//	17962	-
19	PVC Pipe Conduit Pipe 1"φ	1098	P.Mtr	November 2022	85	78	7	//	7686	-
20	PVC Pipe 50mm φ	198	P.Rft	September 2022	296	270	26	//	5148	-
21	PVC Pipe 80mm φ	442	P.Rft	September 2022	401	365	36	//	15912	-
22	PVC Pipe BSS Class B 4"φ	390	P.Rft	June 2022	321	321	Nil	//	No Difference	
23	PVC Pipe BSS Class B 4"φ	715	P.Rft	November 2022	352	321	31	//	22165	-
24	PVC Pipe BSS Class B 6"φ	167	P.Rft	November 2022	702	638	64	//	10688	-
25	M.S Blind Pipe 4"φ	220	P.Rft	September 2022	679	589	90	//	19800	-
26	G.I Pipe 3"φ	40	P.Rft	September 2022	781	678	103	//	4120	-
27	G.I Pipe 4"φ	40	P.Rft	September 2022	1134	984	150		6000	-
H.S Diesel										
1	VOW Rs. 2999727/-	$\frac{0.07 \times 2999727 \times 0.47}{144.62}$		April 2022	144.15	144.62	0.47	//	Increase within 5%	

2	VOW Rs. 7726410/-	$\frac{0.07 \times 7726410 \times 59.53}{144.62}$	June 2022	204.15	144.62	59.53	//	222630	-
3	VOW Rs. 3595504/-	$\frac{0.07 \times 3595504 \times 131.92}{144.62}$	July 2022	276.54	144.62	131.92	//	229583	-
4	VOW Rs. 12561092/-	$\frac{0.07 \times 12561092 \times 102.81}{144.62}$	September 2022	247.43	144.62	102.81	//	625075	-
5	VOW Rs. 5165394/-	$\frac{0.07 \times 5165394 \times 90.68}{144.62}$	November 2022	235.30	144.62	90.68	//	226717	-
Labour Unskilled									
1	VOW Rs. 2999727/-	$\frac{0.15 \times 2999727 \times \text{Nil}}{800}$	April 2022	800	800	Nil	//	No Difference	
2	VOW Rs. 7726410/-	$\frac{0.15 \times 7726410 \times \text{Nil}}{800}$	June 2022	800	800	Nil	//	No Difference	
3	VOW Rs. 3595504/-	$\frac{0.15 \times 3595504 \times 165}{800}$	July 2022	965	800	165	//	111236	-
4	VOW Rs. 12561092/-	$\frac{0.15 \times 12561092 \times 165}{800}$	September 2022	965	800	165	//	388609	-
5	VOW Rs. 5165394/-	$\frac{0.15 \times 5165394 \times 165}{800}$	November 2022	965	800	165	//	159804	-
Total								Rs.2850301/-	-

Net Amount Payable to Contractor Rs. 28,50,301/-


Sub Engineer.


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal

Name of Work: **REVAMPING OF THQHOSPITAL BHALWAL**

Name of Contractor: **Engineer Irshad Ahmed (Govt. Contractor)**

Date of Tender: 28-02-2022

Date of Acceptance: 01-04-2022

CEMENT STATEMENT

S.#	Description of Items	Date of Entry	Reference	Quantity	Rate %	P.Bag
April 2022						
1	C.con (1:6:12) F&P	08/04/2022	MB 434/4703 P.3	239Cft	6.50 %	15.53Bg
2	P.B.W (1:6) F&P	//	P.6	754Cft	3.40 %	25.63Bg
3	DPC of C.con (1:2:4) 1 1/2" thick	//	P.7	165 Sft	2.25 %	3.71Bg
4	P.B.W (1:6) G.F	//	P.10	712 Cft	3.40 %	24.20Bg
5	P.C.C (1:2:4) Roof Slab	//	P.12	15 Cft	17.60 %	2.64Bg
6	R.C.C (1:2:4) Plain	12/04/2022	P.18	640Cft	17.60 %	112.64Bg
7	C.con (1:6:12) F&P	22/04/2022	P.31	982 Cft	6.50 %	63.83Bg
8	P.B.W (1:6) F&P	//	P.34	949Cft	3.40 %	32.26Bg
9	R.C.C (1:2:4) Roof Slab	27/04/2022	P.39	390Cft	17.60 %	68.64Bg
10	R.C.C (1:2:4) Raft Strip	//	P.40	389 Cft	17.60 %	68.46 Bg
Total						417.54Bg
June 2022						
1	C.con (1:6:12) F&P	01/06/22	P.60	527 Cft	6.50 %	34.25 Bg
2	P.B.W (1:6) F&P	//	P.61	722 Cft	2.40 %	24.54 Bg
3	DPC of C.con (1:2:4) 1 1/2" thick	//	P.62	249 Sft	2.25 %	5.60 Bg
4	P.B.W (1:6) G.F	//	P.64	2171Sft	3.40 %	73.81Bg
5	R.C.C (1:2:4) Roof Slab	//	P.66	64Cft	17.60 %	11.26Bg
6	P.B.W (1:6) G.F	//	P.68	1590Cft	3.40 %	54.06Bg
7	P.B.W (1:4) G.F	18/06/22	P.120	122Cft	4.80 %	5.85Bg
8	R.C.C (1:2:4) Roof Slab	//	P.121	2143Cft	17.60 %	377.16Bg
9	P.B.W (1:6) G.F	//	P.122	283Cft	3.40 %	9.62Bg
10	P.B.W (1:6) in F&P	//	P.124	70Cft	3.40 %	2.38Bg
11	3/8" th: C/S Plaster (1:3) under sofit	//	P.124	923 Sft	0.86 %	7.93Bg
12	1/2" th: C/S Plaster (1:4)		P.125	900 Sft	0.75 %	6.57 Bg
Total						613.03Bg

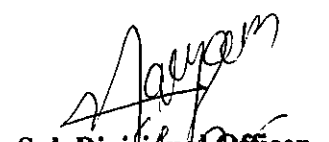
July 2022						
1	P.B.W (1:6) G.F	13/07/22	P.154	85 Cft	3.40 %	2.89 Bg
2	P.B.W (1:4) G.F	//	P.156	652 Cft	4.80 %	31.29 Bg
3	P.B.W (1:6) F&P	//	P.158	389 Cft	3.40 %	13.22 Bg
4	P.C.C (1:2:4) Plain	//	P.160	62 Cft	17.60 %	10.91 Bg
5	Mosaic floor ½ " thick	//	P.161	374 Sft	2.77%	10.35 Bg
6	Cement Pointing (1:2)	//	P.163	4473 Sft	0.72 %	32.20 Bg
7	3/8" th: C/S Plaster (1:3) under sofit	//	P.165	3129 Sft	0.86 %	26.90 Bg
8	1/2" th: C/S Plaster (1:4)	//	P.166	7374 Sft	0.73 %	53.83 Bg
9	P.B.W (1:4) G.F	28/07/22	P.167	147 Cft	4.80 %	7.05 Bg
Total 188.64 Bg						
September 2022						
1	P.C.C (1:2:4) Plain	02/09/22	<u>MB 477/6581</u> P.34	592 Cft	17.60 %	104.19Bg
2	P.B.W (1:4) OTB	//	P.36	179Cft	4.80 %	8.59Bg
3	P.C.C (1:2:4) Plain	//	P.36	8 Cft	17.60 %	1.40Bg
4	1/2" th : C/S Plaster (1:4)	//	P.37	183 Cft	0.73 %	1.33Bg
5	P.B.W (1:4) G.F	//	P.38	112 Cft	4.80 %	5.37Bg
6	P.B.W (1:6) F&P	//	P.39	80 Cft	3.40 %	2.72Bg
7	P.B.W (1:6) G.F	//	P.40	223 Cft	3.40 %	7.58Bg
8	R.C.C (1:2:4) Roof Slab	//	P.41	40 Cft	17.60 %	7.04 Bg
9	P.B.W (1:6) G.F	//	P.42	381 Cft	3.40 %	12.95 Bg
10	P.B.W (1:6) F.F	//	P.43	618 Cft	3.40 %	21.01 Bg
11	P.B.W (1:6) F.F	10/09/22	P.46	44 Cft	3.40 %	1.49 Bg
12	Cement Pointing (1:2)	//	P.48	1544Sft	0.72 %	11.11 Bg
13	Mosaic flooring (½ " thick)	//	P.50	704Sft	2.77 %	19.50 Bg
14	R.C.C (1:2:4) Roof Slab	//	P.51	27 Cft	17.60 %	4.75 Bg
15	P.C.C (1:2:4) Plain	21/09/22	P.62	531 Cft	17.60 %	93.45 Bg
16	Porcelain tile 24 " x 24" for flooring	21/09/22	P.65	7527 Sft	2.16 %	162.58 Bg
17	R.C.C (1:2:4) Roof Slab	26/09/22	P.66	7527Cft	17.60 %	1.93 Bg
18	Porcelain tile 24 " x 24" for flooring.	//	P.68	3468 Sft	2.16 %	74.90 Bg
19	Porcelain tile 24 " x 24" for skirting	//	P.73	5156 Sft	2.16 %	111.36 Bg

Name of Work: REVAMPING OF THQ HOSPITAL BHALWAL

Name of Contractor: Engineer Irshad Ahmad (Govt. Contractor)

20	Pre polished Granite Special Thickness in (1:2) C/S Master (Counter)	//	P.73	148 Sft	1.69 %	2.50 Bg
21	P.B.W (1:6) G.F	//	P.74	96 Cft	3.40 %	3.26 Bg
22	Single layer of tile 9 " x 4 ½ " x 1 ½ "size	//	P.76	2525 Sft	0.75 %	18.93 Bg
Total 677.94 Bg						
November 2022						
1	Ceramic Tile Flooring	01/11/22	P.142	562 Sft	2.16%	12.13 Bg
2	Ceramic Tile Skirting	//	P.143	2288 Sft	2.16%	49.42 Bg
3	Cement Pointing 1:2	//	P.154	5796 Sft	0.72%	41.73 Bg
4	PBW 1:4 OTB	//	P.156	217 Cft	4.80%	10.41 Bg
5	PBW 1:6 In G.F	//	P.157	292 Cft	3.40%	9.92 Bg
6	PCC 1:2:4 Plain	21/11/22	P.159	61 Cft	17.60%	10.73 Bg
7	Porcelain Tile Flooring	//	P.160	557 Sft	2.16%	12.03 Bg
8	Mosaic Flooring 1 ½" Thick	//	P.161	386 Sft	2.77%	10.69 Bg
9	Porcelain tile 24 " x 24" for flooring	//	P.163	1094 Sft	2.16%	23.63 Bg
10	Porcelain tile 24 " x 24" for skirting	//	P.164	463 Sft	2.16%	10.00 Bg
11	1/2" th : C/S Plaster (1:4)	//	P.169	3717 Sft	0.73%	27.13 Bg
Total 217.82 Bags						


Sub Engineer.


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal

Name of Work: REVAMPING OF THQ HOSPITAL BHALWAL


Name of Contractor: Engineer Irshad Ahmad (Govt. Contractor)


Date of Tender: 28-02-2022

Date of Acceptance: 01-04-2022

STEEL STATEMENT

S. No	Description of Items	Date of Entry	Reference	Q.ty	Rate	In Ton
April 2022						
1	Fabrication of M.S Steel (D bars)	08/4/22	MB 434/4703 P.11	65 Kg		
2	Fabrication of M.S Steel (D bars)	22/04/22	P.38	2364 Kg		
Total				2429 Kg	/1000	2.429 Tons
June 2022						
1	Fabrication of M.S Steel (D bars)	01/06/22	P.66	345 Kg		
2	Fabrication of M.S Steel (D bars)	18/06/22	P.119	7180 Kg		
Total				7525 Kg	/1000	7.525 Tons
3	Secured Advance	18/06/22	P.150	25500 Kg	/1000	25.500 Tons
September 2022						
1	Fabrication of M.S Steel (D bars) Used	02/09/22	MB 477/6581 P.40	145 Kg		
2	Fabrication of M.S Steel (D bars)	10/09/22	P.51	170 Kg		
3	Fabrication of M.S Steel (D bars)	21/09/22	P.65	131 Kg		


Sub Engineer.


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal

Name of Work: REVAMPING OF THQ HOSPITAL BHALWAL


Name of Contractor: Engineer Irshad Ahmad (Govt. Contractor)


Date of Tender: 28-02-2022

Date of Acceptance: 01-04-2022

BRICKS STATEMENT

S. No	Description of Items	Date of Entry	Reference	Q.ty	Rate (%)	Nos
April 2022						
1	PBW (1:6) in F&P	08/04/22	M.B 434/4703 P.6	754 Cft		
2	PBW (1:6) in G.F	//	P.10	712 Cft		
3	PBW (1:6) in F&P	22/04/22	P.34	949 Cft		
Total				2415 Cft	1350%	32603 Nos
June 2022						
1	PBW (1:6) in F&P	01/6/22	P.61	722 Cft		
2	PBW (1:4) in G.F	//	P.64	2171 Cft		
3	PBW (1:4) in G.F	//	P.68	1590 Cft		
Total				4483 Cft	1350%	60521 Nos
4	Secured Advance	18/06/22	P.151			449000 Nos
5	PBW (1:4) in G.F (Used)	//	P.120	122 Cft		
6	PBW (1:6) in G.F	//	P.124	70 Cft		
July 2022						
1	PBW (1:6) in G.F	13/7/22	P.154	65 Cft		
2	PBW (1:4) in G.F	//	P.156	652 Cft		
3	PBW (1:6) in F&P	//	P.158	389 Cft		
4	PBW (1:4) in G.F	28/7/22	P.167	147 Cft		
September 2022						
1	PBW (1:4) OTB	02/09/22	M.B# 477/6581 P.36	179 Cft		
2	PBW (1:4) in G.F	//	P.38	112 Cft		
3	PBW (1:6) in F&P	//	P.39	80 Cft		
4	PBW (1:6) in G.F	//	P.40	223 Cft		
5	PBW (1:6) in G.F	//	P.42	381 Cft		
6	PBW (1:6) In F.F	//	P.48	618 Cft		
7	PBW (1:6) In F.F	10/09/22	P.46	44 Cft		
8	PBW (1:6) In G.F	26/09/22	P.74	96 Cft		
November 2022						
1	PBW (1:4) OTB	01/11/22	P.156	217 Cft		
2	PBW (1:4) in G.F	//	P.157	292 Cft		
3	Brick on edge Soling	21/11/21	P.157	1289 Cft		
Total				4996 Cft	1350%	67446 Nos


Sub Engineer.


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal

Name of Work: REVAMPING OF THQ HOSPITAL BHALWAL

Name of Contractor: Engineer Irshad Ahmad (Govt. Contractor)


Date of Tender: 28-02-2022

Date of Acceptance: 01-04-2022

BRICKS TILE / BITUMEN

S.#	Description of Items	Date of Entry	Reference	Q.ty	Rate	Nos
September 2022						
1	Single Layer of Tiles 9" x 4 1/2" x 1 1/2"	26/09/22	M.B# $\frac{477/6681}{P.76}$	2525 Sft		
			Total	2525 Sft	350 %	8838 Nos
BITUMEN						
September 2022						
1	Bitumen Packed	26/09/22	2525 x 34 % ÷ 2.204			389 Kg
					Total	389 Kg


Sub Engineer


Sub Divisional Officer
Buildings/Sub Divisions
Bhalwal

Name of Work: REVAMPING OF THQ HOSPITAL BHALWAL

Name of Contractor: Engineer Irshad Ahmad (Govt. Contractor)

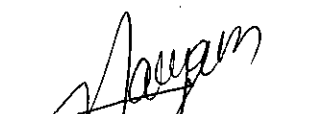
Date of Tender: 28-02-2022

Date of Acceptance: 01-04-2022

M.S SECTION

S.#	Description of Items	Date of Entry	Reference	Q.ty	Rate	Kg
June 2022						
1	P/F 2" Wide M.S Chowkath of 16SWG Single/Double 15" Wide	01/06/22	M.B# 434/4703 P.70	287 Sft		
@1.49 Kg P. Sft						428 Kg
2	P/F 2" Wide M.S Chowkath of 16SWG Single/Double 10 1/2" Wide	01/06/22	P.40	260Sft		
@1.20 Kg P. Sft						312 Kg
Total						740 Kg
July 2022						
1	P/F M.S Grill 3/8" x 3/8"	13/07/22	P.163	330 Sft		
@1.02 Kg P. Sft						337 Kg
2	P/F M.S angle Iron Chowkath 1 1/2" x 1 1/2" x 1/4" welded with M.S flat 2" x 1/4"	//	P.164	35 Sft		
@1.25 Kg P. Sft						44 Kg
Total						381 Kg
September 2022						
1	Fabrication of heavy steel work	02/09/22	M.B# 477/6581 P.44			720 Kg
2	P/F M.S flat Grill 3/8" x 3/8"	10/09/22	P.53	847 Sft		
@2.11 Kg P. Sft						1787 Kg
3	P/F Steel door of angle iron 1 1/2" x 1 1/2" x 1/4" welded with M.S flat 2" x 1/4" 18 SWG	10/09/22	P.53	49 Sft		
@3.23 Kg P. Sft						158 Kg
Total						2665 Kg
November 2022						
1	P/F M.S flat Grill 3/8" x 3/8"	21/11/22	P.164			
@1.02 Kg P. Sft						129 Kg
2	P/F M.S angle Iron Chowkath 1 1/2" x 1 1/2" x 1/4" welded with M.S flat 2" x 1/4"	//	P.165	25 Sft		
@1.25 Kg P. Sft						31 Kg
Total						160 Kg


Sub Engineer


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal

Name of Work: **REVAMPING OF THQ HOSPITAL BHALWAL**

Name of Contractor: **Engineer Irshad Ahmed (Govt. Contractor)**

Date of Tender: 28-02-2022


Date of Acceptance: 01-04-2022

PVC/GI PIPE

S. No	Description of Items	Date of Entry	Reference	Q.ty	Rate	In Mtr
April 2022						
1	PVC Pipe 1"dia	27/04/22	M.B $\frac{434/4703}{P.42}$	7500Rft	3.28	2286 Mtr
June 2022						
1	PVC Pipe BSS Class 'B'4"dia	01/06/22	P.71	390 Rft	--	--
2	PVC Pipe 1"dia	14/06/22	P.97	4643 Rft	3.28	1416 Mtr
July 2022						
1	PVC Pipe 1"dia	28/07/22	P.171	8417 Rft	3.28	2566 Mtr
September 2022						
1	P/LM.S Blind Pipe 4"dia	10/09/22	M.B $\frac{477/6581}{P.51}$	220 Rft	--	--
2	P/L G.I Pipe line 3"dia	//	P.52	40 Rft	--	--
3	P/L G.I Pipe line 4"dia	//	P.52	40 Rft	--	--
4	PVC Pipe for wiring 50 mm	//	P.84	650 Rft	3.28	198 Mtr
5	PVC Pipe for wiring 80 mm	26/09/22	P.85	1450 Rft	3.28	442 Mtr
November 2022						
1	PVC Pipe 1"dia	21/11/22	P.165	3600 Rft	3.28	1098 Mtr
2	PVC Pipe BSS Class 'B'4"dia	//	P.147	715 Rft	-	-
3	PVC Pipe BSS Class 'B'6"dia	//	P.147	167 Rft	-	-


Sub Engineer.


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal


Executive Engineer
Building Division
Bhalwal

Name of Work: **REVAMPING OF THQ HOSPITAL BHALWAL**

Name of Contractor: **Engineer Irshad Ahmad (Govt. Contractor)**

Date of Tender: 28-02-2022

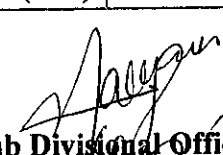
Date of Acceptance: 01-04-2022


VALUE OF WORK

	Description of Items	Date of Entry	Reference	Q.ty	Rate	Amount
April 2022						
1	1 st & 2 nd Running Bill	27/4/22	M.B. $\frac{434/4703}{P.56}$			Rs. 2999727/-
VOW April 2022					Total	Rs.2999727/-
June 2022						
1	3 rd & 4 th R/ Bill	18/06/22	P.150			Rs.10869647/-
D/d 2nd Bill						Rs. 2999727/-
(A)					Net	Rs.7869920/-
D/d: Cost of Chapter Tube well and W/S						
1	PVC pipe BSS Class B 4"φ	01/06/22	P.71	390 Rft	410/-	Rs.159900/-
D/d 10.25 % Below					(-)	16390
(B)					Net	Rs.143510/-
VOW June 2022 (A-B)						Rs.7726410/-
July 2022						
1	PBW 1:6 In G.F	13/07/22	M.B. $\frac{434/4703}{P.154}$	85 Cft	26632/80	22638
2	PBW 1:4 In G.F	//	P.156	652 Cft	27799/60	181253
3	Excavation in foundation	//	P.156	260 Cft	8949/80	2327
4	Dry Rammed brick ballast 1 ½ "to 2" Gauge	//	P.157	58 Cft	4454/-	2583
5	PBW 1:6 In F&P	//	P.158	389 Cft	24784/80	96413
6	S/Filling Sand under Floor	//	P.159	148 Cft	2872/-	4251
7	P/L W/R Brick Ballast 1 ½ "to 2" Gauge with 25% sand	//	P.159	148 Cft	5275/80	7808
8	P.C.C 1:2:4 Plain	//	P.160	62 Cft	29211/60	18111
9	P/F marble strip 1½ "x 3/8"	//	P.160	260 Rft	09/25	2405
10	Mosaic Flooring 1½" th	//	P.161	374 Sft	9800/-	36652
11	Cement Pointing 1:2	//	P.163	4473 Sft	2898/25	129639
12	M.S Grill 3/8"sq bar	//	P.163	330 Sft	650/-	214500
13	Steel door of angle iron 1½ "x 1½ "x 1/4" i.e M.S Sheet	//	P.164	35 Sft	850/-	29750
14	3/8"th C/S Plaster 1:3 Under soffit	//	P.165	3129 Sft	3038/10	95062
15	1/2" th C/S Plaster 1:4	//	P.166	7374 Sft	2661/85	196285
16	PBW 1:4 In G.F	28/07/22	P.167	147 Cft	27799/60	40865
17	P/F Ward robe 24" deep Box style	//	P.168	516 SFT	1073/80	554081
18	RCC Pipe 12" Dia	//	P.169	192 Rft	600/-	115200

19	PVC Pipe for wiring 1"φ	//	P.171	7889 Rft	80/-	631120
20	PVC Cable 3/0.029	//	P.179	4280 Rft	21/35	91378
21	PVC Cable 7/0.029	//	P.185	10550 Rft	33/40	352370
22	PVC Cable 7/0.044	//	P.187	1450 Rft	61/10	88595
23	PVC Cable 7/0.64	//	P.189	4740 Rft	141/65	671421
24	S/I of MCCB of specific 15 to 63 Amp	//	P.190	6 Nos	8717/80	52307
25	Emulsion One Coat	//	P.197	26881 sft	1029/45	276726
26	Applying weather shield paint one coat	//	P.198	5279 Sft	1750/20	92393
Total						4006133/-
D/d 10.25 %Below						410629
VOW July 2022 Net						3595504/-
September 2022						
1	5 th & Running Bill	26/09/22	P.136			Rs.27251494/-
D/d 4 th Bill						10869647
D/d VOW JULY 2022						3595504
(A) Net						Rs. 12786343/-
D/d: Cost of Chapter Tube well and W/S						
1	P/L M.S Blind Pipe 4"φ	10/09/22	P.51	220 Rft	835/96	Rs.183898/-
2	P/L G.I Pipe line 3"φ	//	P.52	40 Rft	735/40	Rs. 29416/-
3	P/L G.I Pipe line 4"φ	//	P.52	40 Rft	941/35	Rs. 37662/-
Total						Rs. 250976/-
D/d: 10.25 % Below						(-) 25725
(B) Net						Rs. 225251/-
VOW September 2022 (A-B) Total						Rs. 12561092/-
November 2022						
1	6 th & Running Bill	22/11/22	M.B. ^{506/9085} P.52			Rs.32969770/-
D/d 5 th Bill						27251494
(A) Net						Rs. 5718276/-
D/d: Cost of Chapter Tube well and W/S						
1	PPRC Pipe 32mm	21/11/22	P.145	649 Rft	94/43	64511
2	PPRC Pipe 63 mm	//	P.146	155 Rft	324/-	50220
3	PVC Pipe Class B 6"φ	//	P.147	167 Rft	755/40	126151
4	PVC Pipe Class B 4"φ	//	P.147	715 Rft	383/-	273845
5	PVC Bend Class B 4"φ	//	P.148	55 Nos	480/85	26447
6	PVC TEE Class B 4"φ	//	P.148	55 Nos	1360/90	74850
Total						Rs. 616024/-
D/d: 10.25 % Below						(-) 63142
(B) Net						Rs. 552882/-
VOW November 2022 (A-B) Total						Rs. 5165394/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Divisions
Bhalwal


Executive Engineer
Building Division
SARGODHA

112 No. 21 21-06-2022

Faisalabad Electric Supply Company (13431-BHALWAL)

Security Cost

13431100017 202206001118
20-06-2022
241343115181502
144/0000
BHALWAL
THQ Hospital C/O MS Khalid Mahmood (S/O) Muhammad Afzal
Sub-Division Office 13431-BHALWAL SDO Wapda
Line Superintendent 13431-BHALWAL SDO Wapda
Due Date: 20-07-2022

Security Cost
THQ Hospital C/O MS Khalid Mahmood (S/O) Muhammad Afzal
20-06-2022
20-06-2022
241343115181502
HBL Liaquat Shabeed Road Bhalwal
Sub Divisional Officer
Building Sub Division
BHALWAL
13431100017
202206001118
20-06-2022
20-06-2022
202206001118
20-06-2022

NOTE:- Computer generated demand notice. Hence no signature is required.
This subject cited case has been processed in accordance with documents submitted/received by the
Date & Time: (20-06-2022 13:28:04)

= Passed for Rs=220000/-
= Two Lac Twenty Thousand Only.
Divisional Accounts Officer
Building Division
Sargodha
Executive Engineer
Building Division
SARGODHA

PROVINCIAL

171

VR No. 22

21-06-2022

Faisalabad Electric Supply Company (13431-BHALWAL)

Capital Cost

of Load Application only.)

(فصلیہ قیامت)

2022-07-2022 13431100017 202206001118

24124315181582 20-06-2022

144 (KWH) BHALWAL

HBL Liaquat Shahnad Road Bhalwal

THQ Hospital C/O MS Khalid Mahmood (S/O) Muhammad Afzal

Sub-Division Office 13431-BHALWAL SDO Wapda

Line Superintendent 13431-BHALWAL SDO Wapda

DUE DATE: 20-07-2022

Entered on 14/06/2022 6728

P-33 to 34

THQ Hospital C/O MS Khalid Mahmood (S/O) Muhammad Afzal

1198000 20-06-2022

13431100017 20-06-2022

24124315181582 20-06-2022

HBL Liaquat Shahnad Road Bhalwal

Sub Divisional Officer

Buildings Sub Division

BHALWAL

Capital Cost

202206001118 13431100017 202206001118

1198000 20-06-2022

NOTE:- Computer generated demand notice. Hence re-signature is required.

This subject cited case has been processed in accordance with the provisions stipulated by the Government of Punjab. In case any discrepancy is found in the subject, the same shall be referred to the concerned authority for its disposal. The Government of Punjab is not responsible for the loss of any document or for the delay in the disposal of the subject.

Date & Time: (20-06-2022 12:20:04)

Approved for Rs. 1198000.

2 Eleven Lac nint eight thousand only.

Divisional Accounts Officer

Building Division

Sargodha

Executive Engineer

Building Division

SARGODHA

B	12	Cft	P-Cft	160- to 200 Amp (2'x3') size 12-deep	866.40	93571	99571
				S/E MCB specific rating made of terasaki in			



NATIONAL TELECOMMUNICATION CORPORATION
Office Of Divisional Engineer NTC Faisalabad
NTC Microwave Station, Tariqabad, Faisalabad



Ministry of Information
Technology & Telecom

File No. DE-FSD/PCC Bill/2021-22/
Dated: 16-05-2022

Medical Superintendent
THQ Hospital Bhalwal

PROVISIONAL CAPITAL COST (PCC)

ESTIMATE REGARDING SHIFTING OF NTC DP POLE DP # 25 OF CABINET
AT TEHSIL HEAD QUARTER HOSPITAL BHALWAL

Reference: Your office letter No.811/22/MS/THQ/BHL, dated. 14-05-2022

It is inform that NTC team have been conducted survey on effected area of NTC OSP network and prepared PCC bill for re-routing of NTC underground cable network being affected due to construction of new building near Emergency department. NTC have to shift existing UG cable and DP to new location near Admin block to spare the space for THQ building and to provide smooth telecom services to THQ hospital.

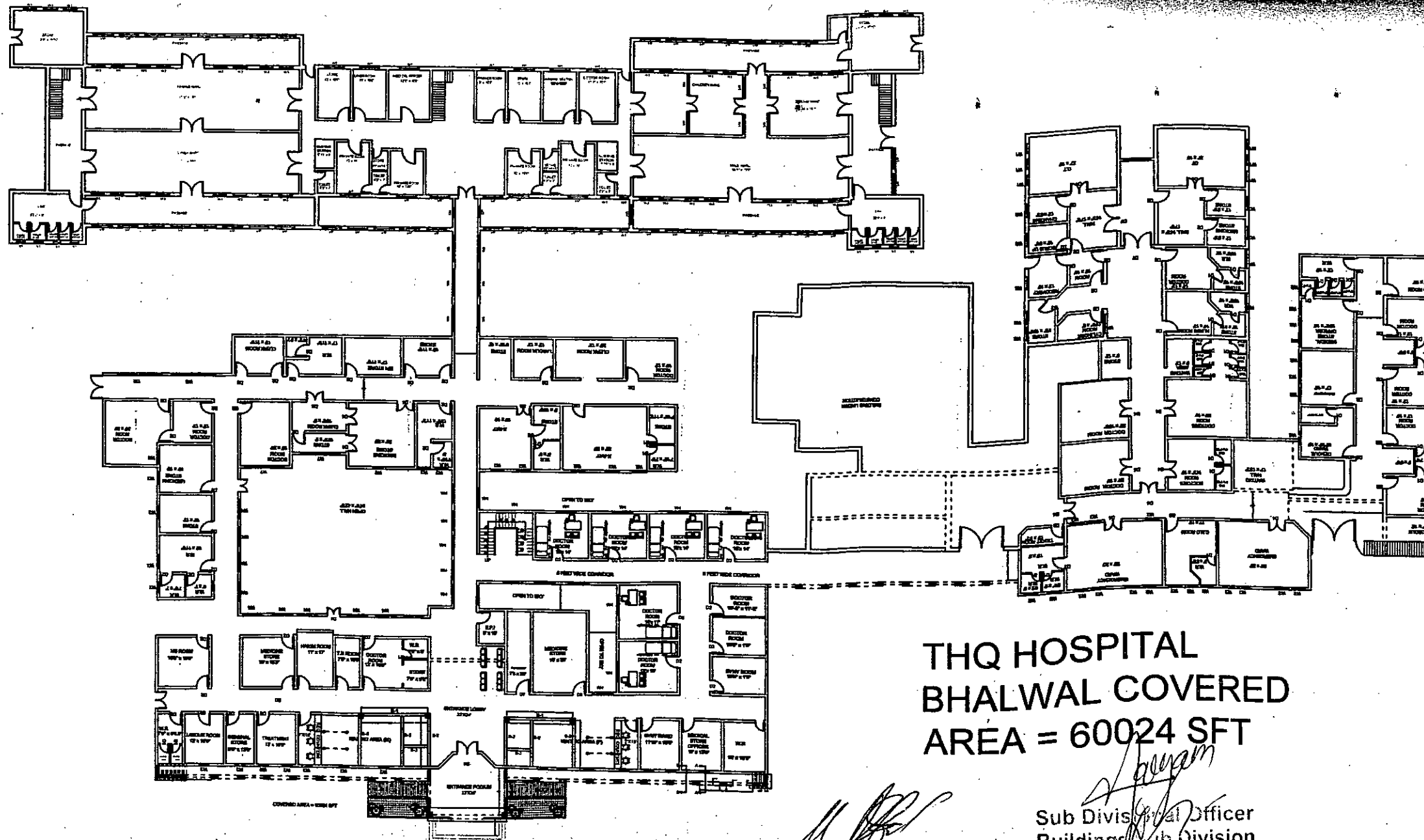
Detail is mention below of PCC bill and diagram is attached here for your ready reference.

S.No.	Name of Work	Quantity	Rate	Amount
1	UG Cable 10/0.4 Pair	55Mtr	161.00	8855.00
2	Jointing Kit 10 Pair	01 No.	962.00	962.00
3	Dismantling/Re-erecting of DP Pole	01 Job	8000.00	8000.0
4	Jointing/Testing Charges	01 Job	1500.00	1500.0
5	Ariel cable 10 Pair	80 Mtr	212.00	16960.00
6	Drop Wire	500 Mtr	25.00	12500.00
7	Digging (Kaccha/Tuff Tile)	50 Mtr	500.00	25000.0
8	Total			73777.00

Amount (in words) Rupees Seventy Three Thousand Seven Hundred, Seventy Seven

Please pay PCC Bill in favor of Divisional Engineer NTC Faisalabad, NTC Account No.4138909070, at National Bank of Pakistan, Abdullahpur Branch Distt. Faisalabad (Branch Code:0559) Sales Tax Registration No. 07-01-9802-64

Em - MD 35/6/25
P. 1456 197 order 19-5-2022
passed for Rs 73777
sent to
ZERESHAN-UL-HAQ
Divisional Engineer
NTC Faisalabad
Executive Engineer
Building Division
SARGUHA
Copy to: *for info*
• Director NTC Lahore
• AE NTC Bhalwal (co-ordinate with THQ Bhalwal for PCC bill payment)

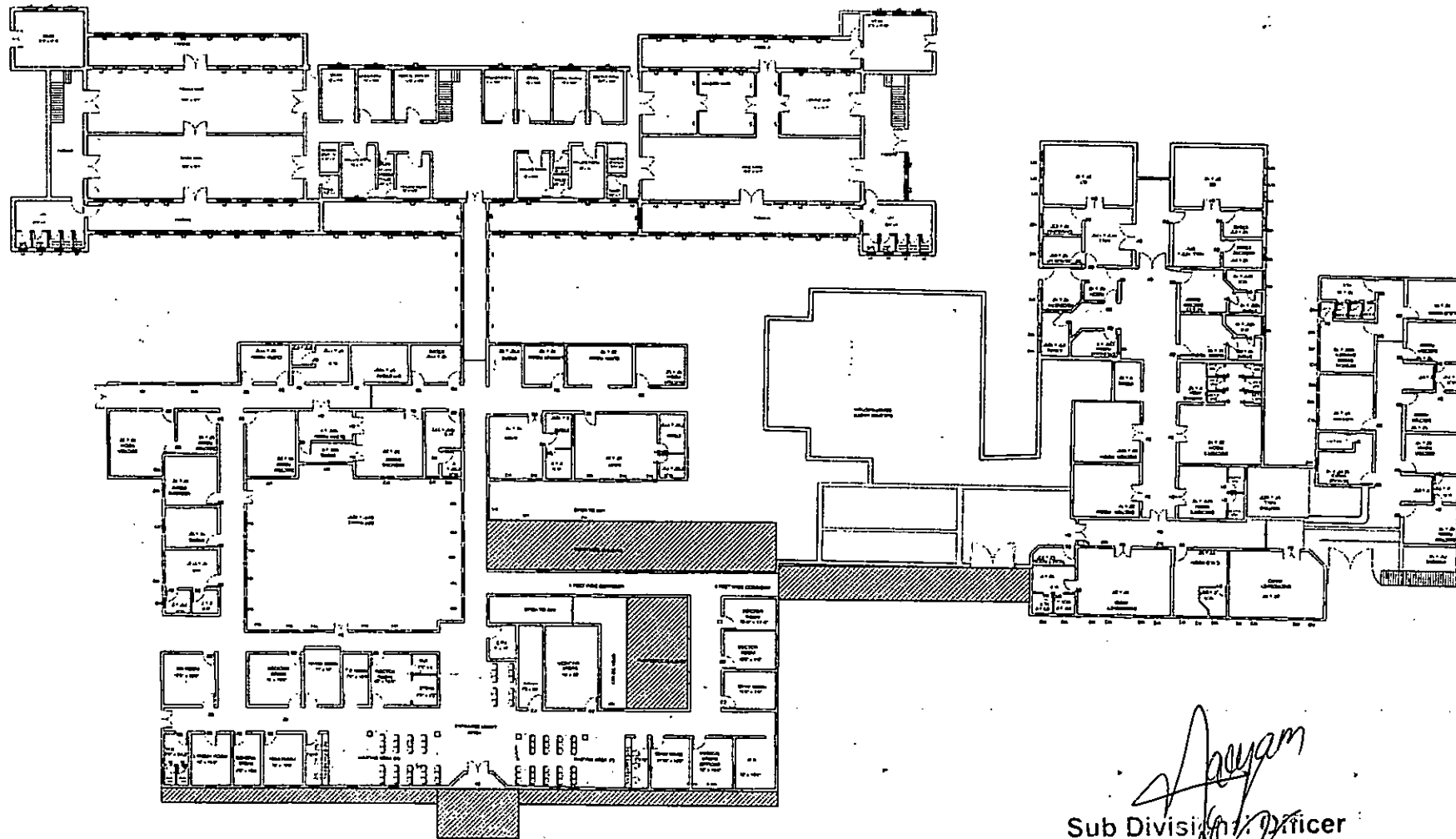


THQ HOSPITAL
BHALWAL COVERED
AREA = 60024 SFT

[Handwritten signature]

Sub Divisional Officer
Buildings Sub Division
BHALWAL

THQ BHALWAL



OPENING SCHEDULE OF DOORS AND WINDOWS					
DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	2'-0"	7'-0"	W1	4'-0"	4'-0"
D2	3'-6"	7'-0"	W2	6'-0"	4'-0"
			W3	8'-0"	4'-0"
			W4	8'-0"	4'-0"
			V1	2'-0"	2'-0"

AREA STATEMENT	
ADDITION IN GROUND FLOOR COVERED AREA	3,480 sq ft

Project:
REVAMPING OF THQ BHALWAL

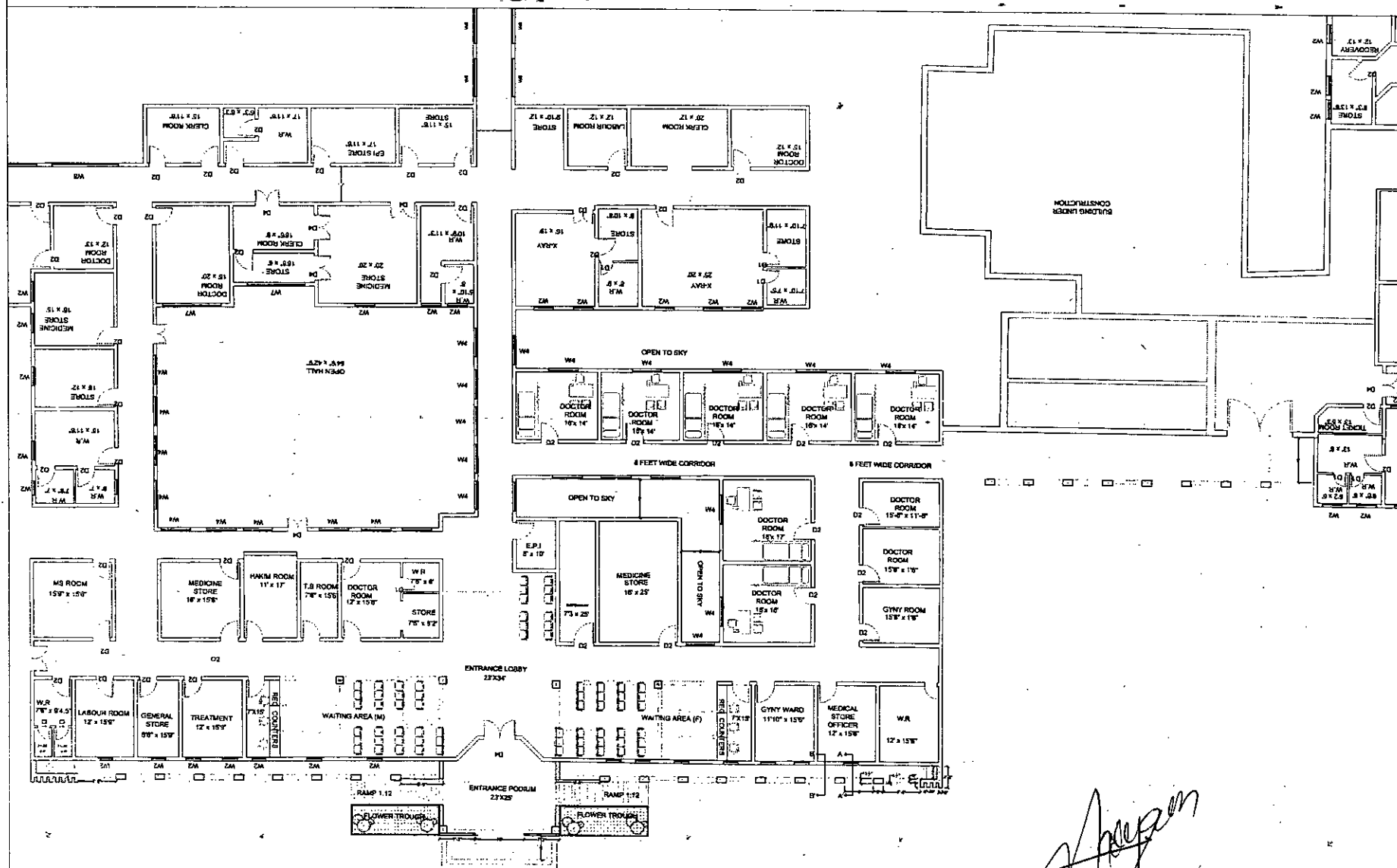
Drawing Title:
GROUND FLOOR PLAN
REVAMPING OF THQ BHALWAL



GOVERNMENT OF THE PUNJAB
PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY
HEALTHCARE DEPARTMENT

Sub Division Officer
Buildings Sub Division
BHALWAL

THQ BHALWAL



OPENING SCHEDULE OF DOORS AND WINDOWS					
DOORS	WCH	WCH-T	WINDOWS	WCH	HCH
D1	2'-8"	7'-0"	W1	4'-0"	4'-0"
D2	3'-5"	7'-0"	W2	6'-0"	4'-0"
			W3	8'-0"	4'-0"
			W4	6'-0"	4'-0"
			V1	2'-0"	2'-0"

AREA STATEMENT	
ADDITION IN GROUND FLOOR COVERED AREA	3,480 sq ft

Project:
REVAMPING OF THQ BHALWAL

Drawing Title:
GROUND FLOOR PLAN
REVAMPING OF THQ BHALWAL



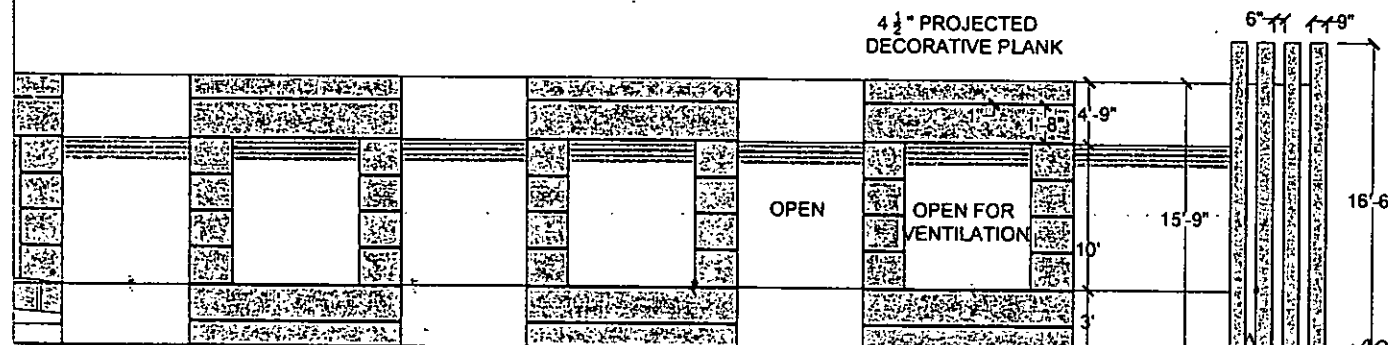
GOVERNMENT OF THE PUNJAB
PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY
HEALTHCARE DEPARTMENT

Sub Division Officer
Buildings Sub Division
BHALWAL

THQ BHALWAL



FRONT ELEVATION



4 1/2" PROJECTED
DECORATIVE PLANK

Sul Div. Officer
Building Division
BHALWAL

OPENING SCHEDULE OF DOORS AND WINDOWS					
NO.	DOOR	WIDTH	HEIGHT	NO.	WINDOW
D1	2'-0"	7'-0"	W1	4'-0"	4'-0"
D2	3'-0"	7'-0"	W2	6'-0"	4'-0"
			W3	6'-0"	4'-0"
			W4	6'-0"	4'-0"
			V1	2'-0"	2'-0"

AREA STATEMENT	
ADDITION IN GROUND FLOOR COVERED AREA	3480 sq ft

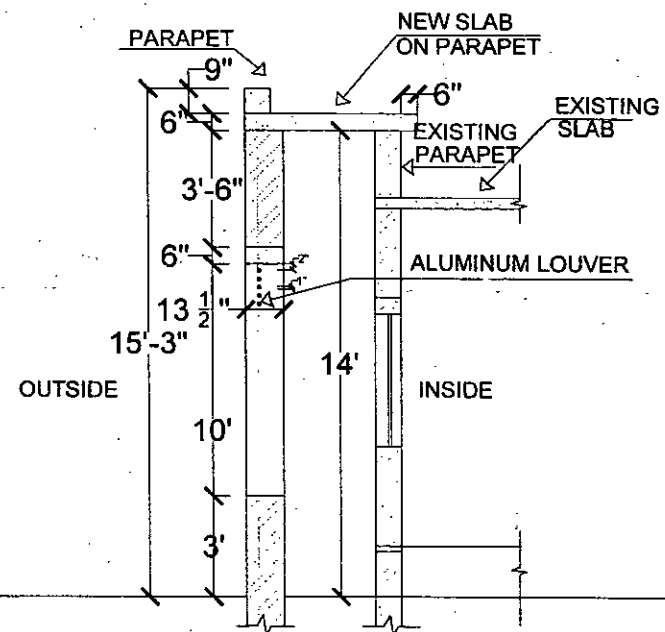
Project:
REVAMPING OF THQ BHALWAL

Drawing Title:
ELEVATION
REVAMPING OF THQ BHALWAL

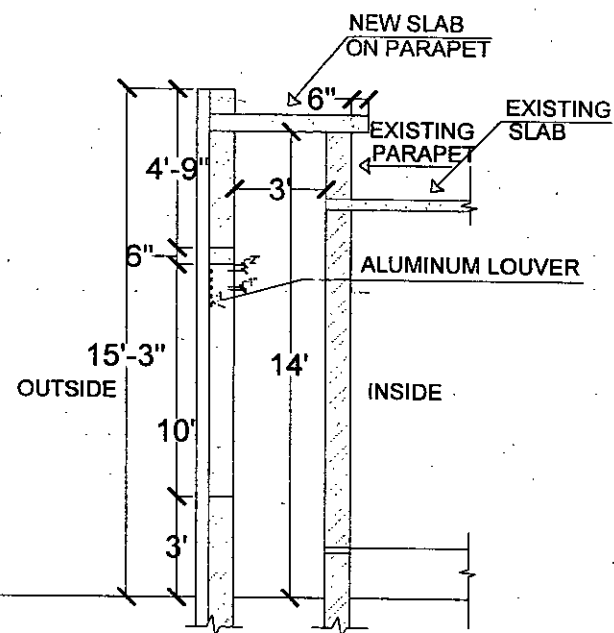


GOVERNMENT OF THE PUNJAB
PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY
HEALTHCARE DEPARTMENT

THQ BHALWAL



SECTION A-A'



SECTION B-B'

Sub Divisional Officer
Building Sub Division
BHAIWAL

OPENING SCHEDULE OF DOORS AND WINDOWS					
DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	2'-6"	7'-0"	W1	4'-0"	4'-0"
D2	3'-6"	7'-0"	W2	6'-0"	4'-0"
			W3	8'-0"	4'-0"
			W4	8'-0"	4'-0"
			V1	2'-0"	2'-0"

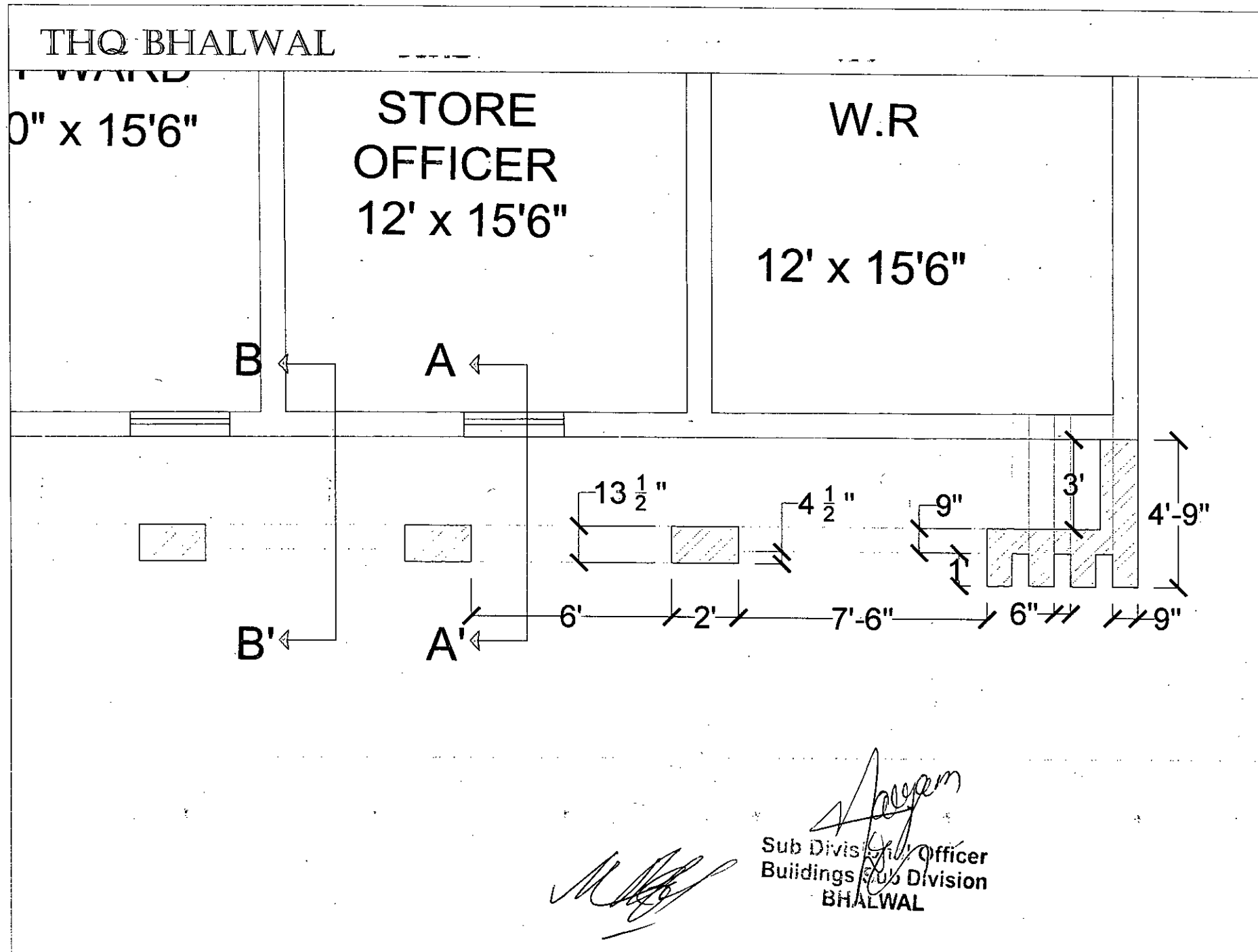
AREA STATEMENT	
ADDITION IN GROUND FLOOR COVERED AREA	3480 sq ft

Project:
REVAMPING OF THQ BHAIWAL

Drawing Title:
SECTIONAL DETAILS
REVAMPING OF THQ BHAIWAL



GOVERNMENT OF THE PUNJAB
PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY
HEALTHCARE DEPARTMENT



OPENING SCHEDULE OF DOORS AND WINDOWS					
NO.	WIDTH	HEIGHT	NO.	WIDTH	HEIGHT
D1	2'-6"	7'-0"	W1	4'-0"	4'-0"
D2	3'-6"	7'-0"	W2	6'-0"	4'-0"
			W3	8'-0"	4'-0"
			W4	6'-0"	4'-0"
			V1	2'-0"	2'-0"

AREA STATEMENT	
ADDITION IN GROUND FLOOR COVERED AREA	3480 sq

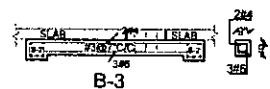
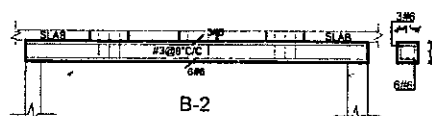
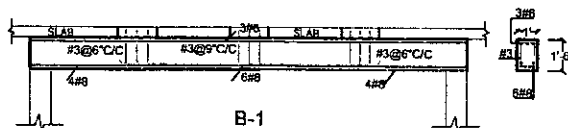
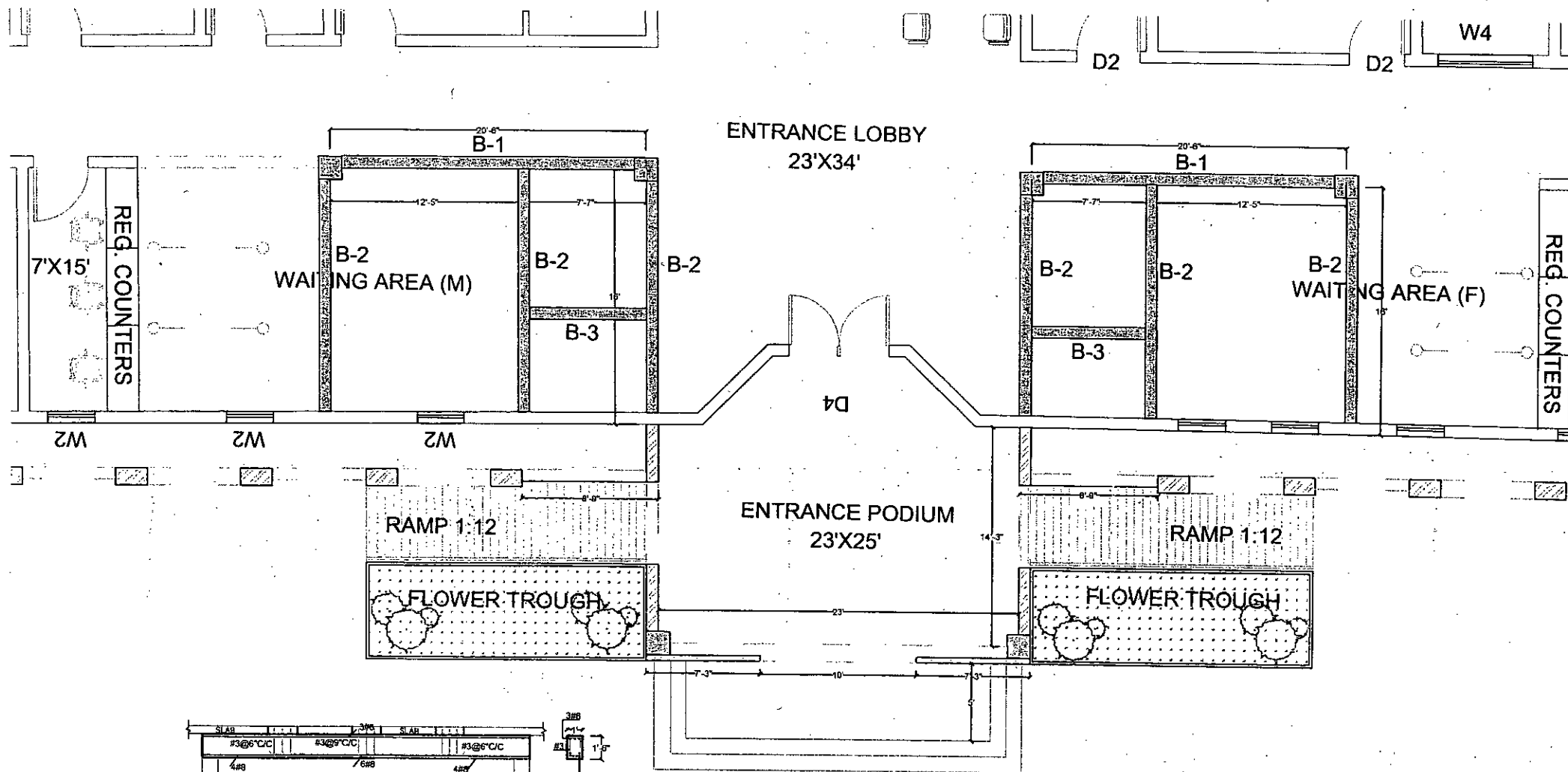
Project:
REVAMPING OF THQ BHALWAL

Drawing Title:
GROUND FLOOR DETAILS
REVAMPING OF THQ BHALWAL



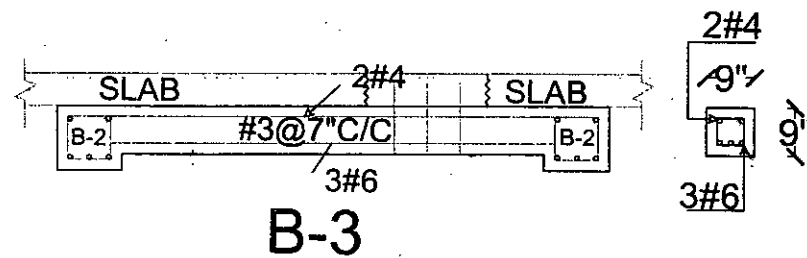
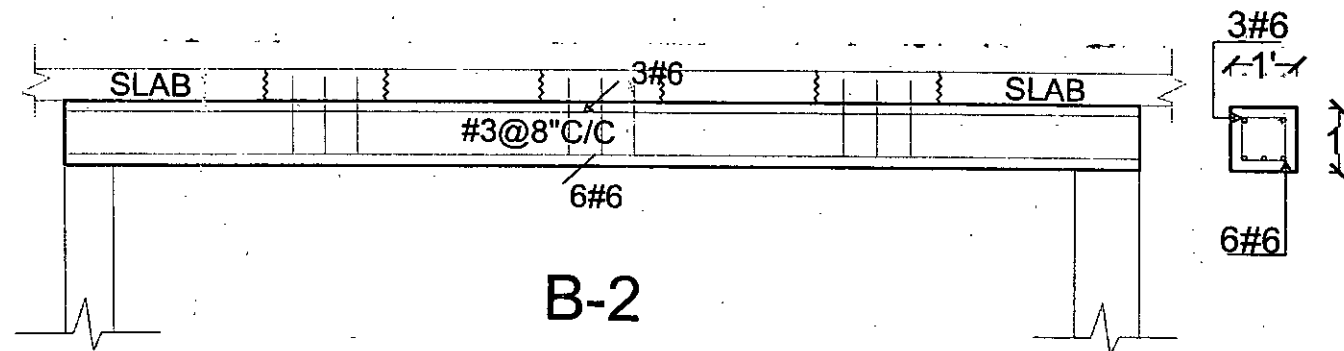
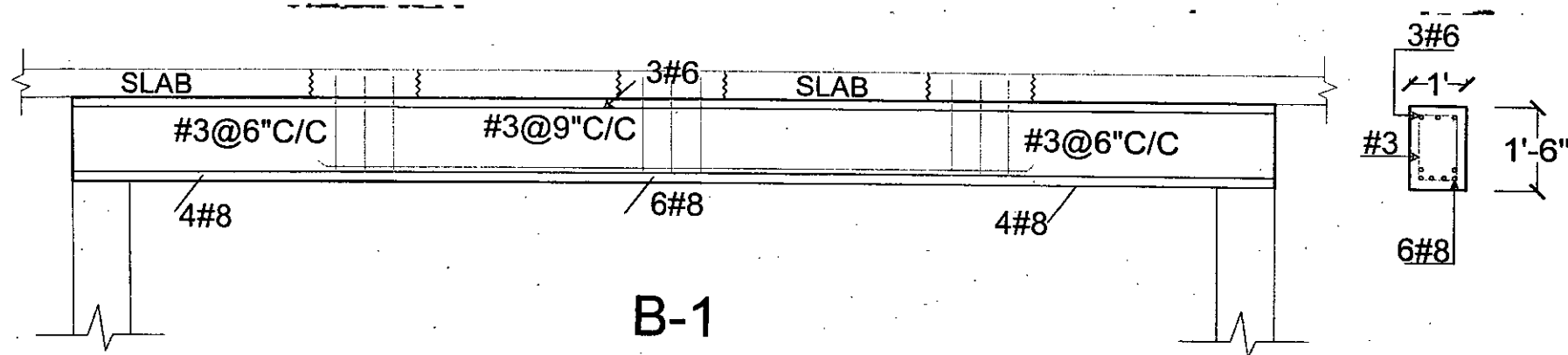
GOVERNMENT OF THE PUNJAB
PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY
HEALTHCARE DEPARTMENT

Sub Division Officer
Buildings Sub Division
BHALWAL

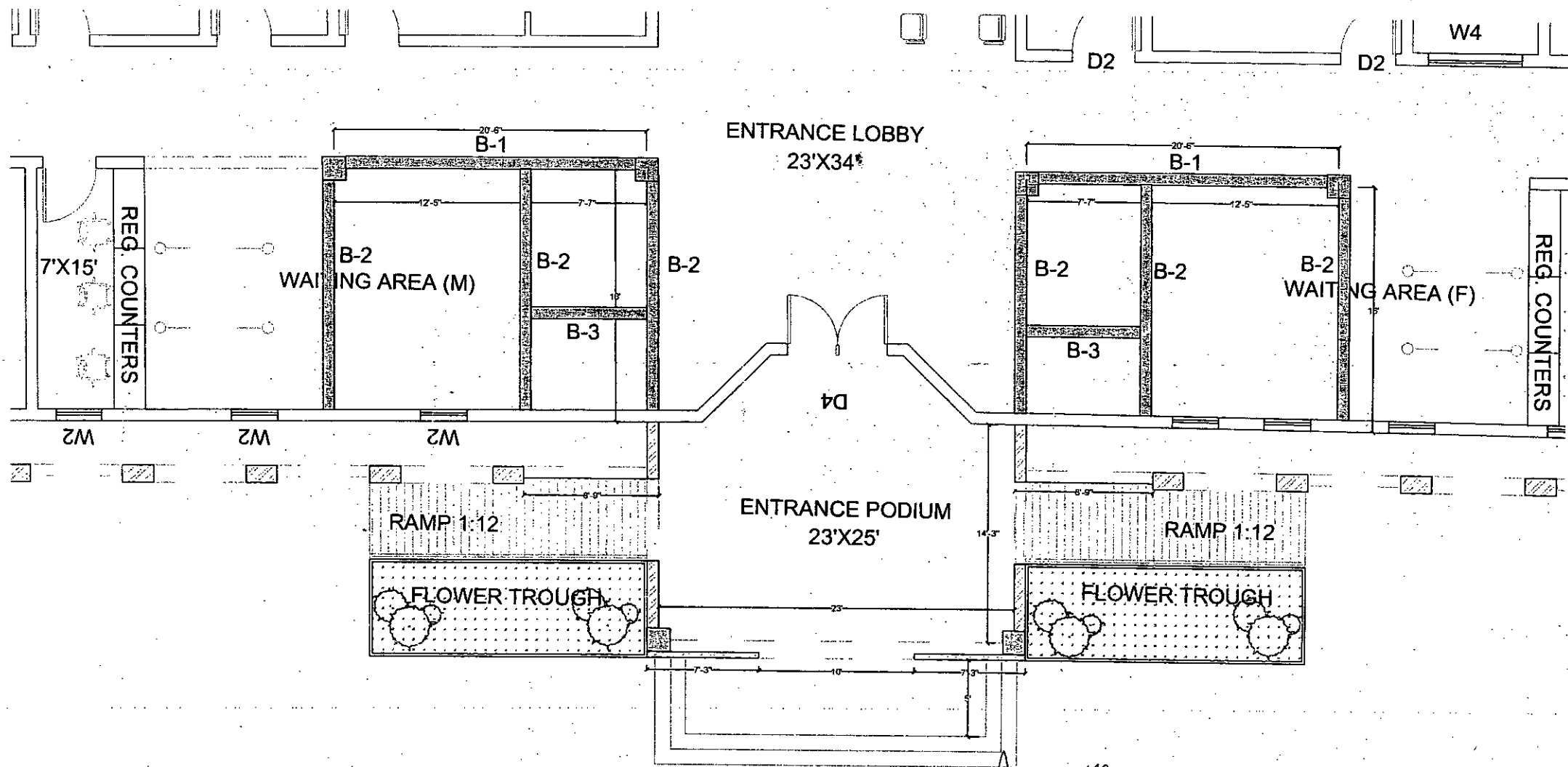


[Signature]

[Signature]
 Sub Division Officer
 Buildings Division
 BHALWAL



[Signature]
 Sub Division Officer
 Buildings Sub Division
 BHALWAL



Sub Division Officer
Buildings Sub Division
BHALWAL

Legend:

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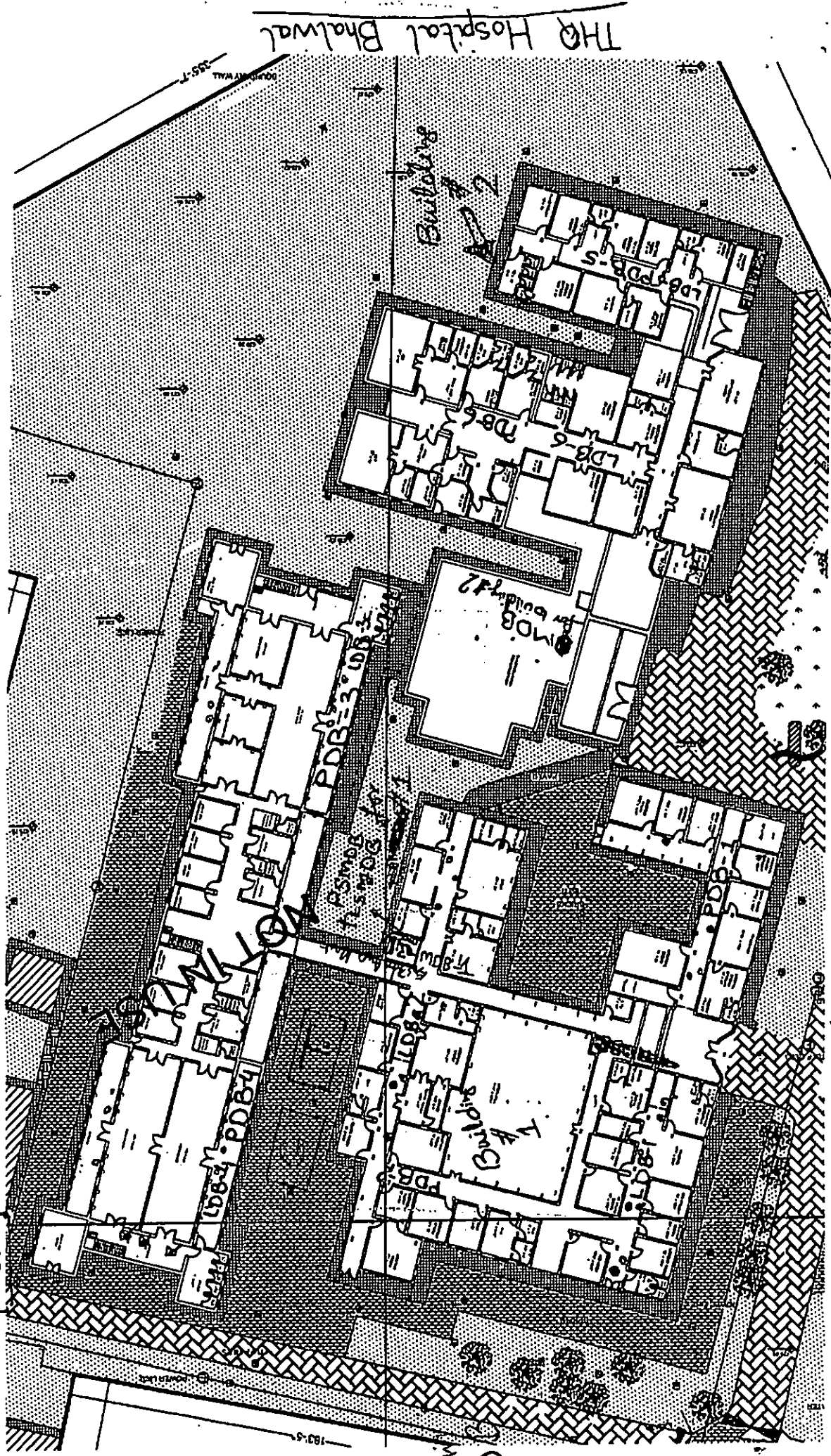
= Existing Transformer.

MP
Main
Panel

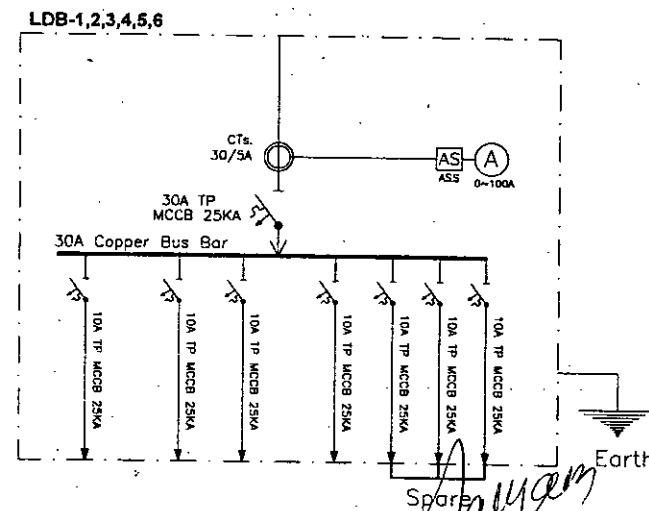
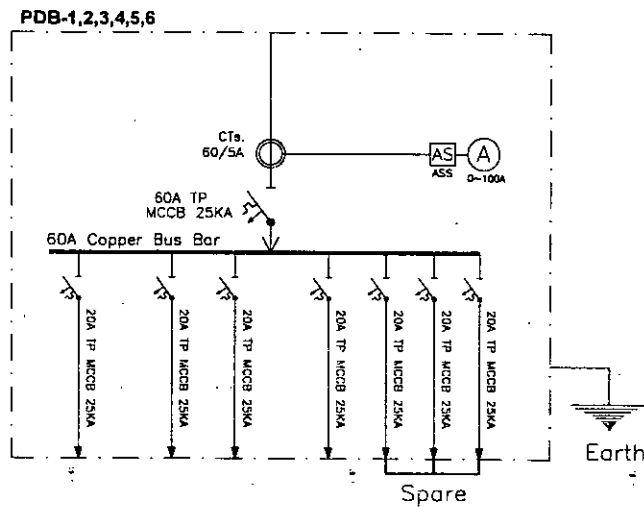
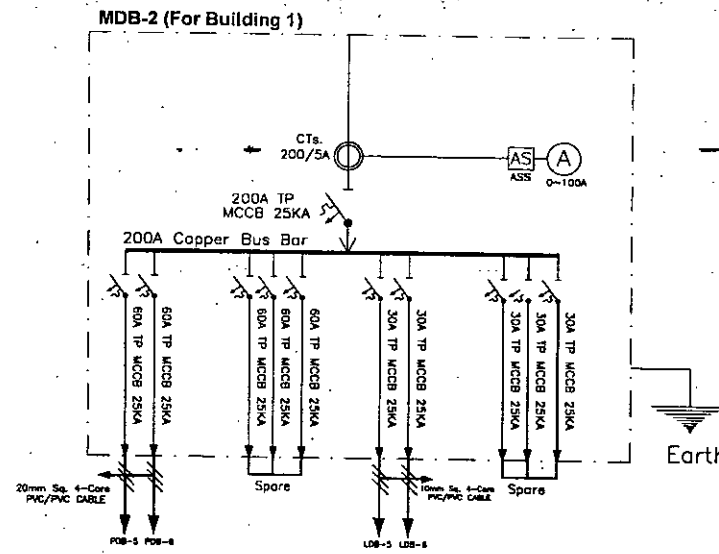
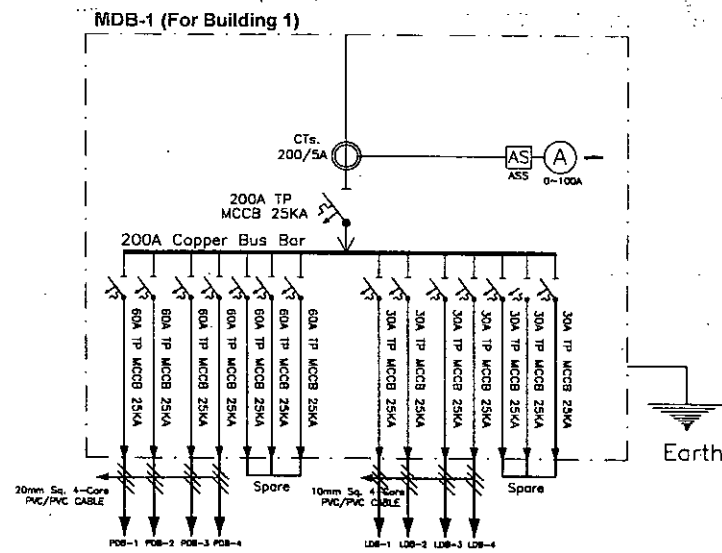
= Main Panel Board.

G

= Existing Generator.



The Hospital Bhalwal.



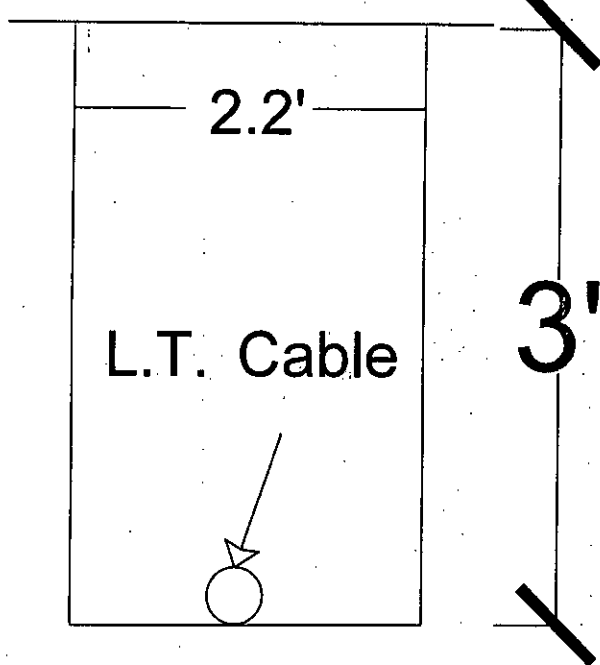
PROJECT:

THQ HOSPITAL
BHALWAL

Sub Division Officer
Buildings Sub Division
BHALWAL

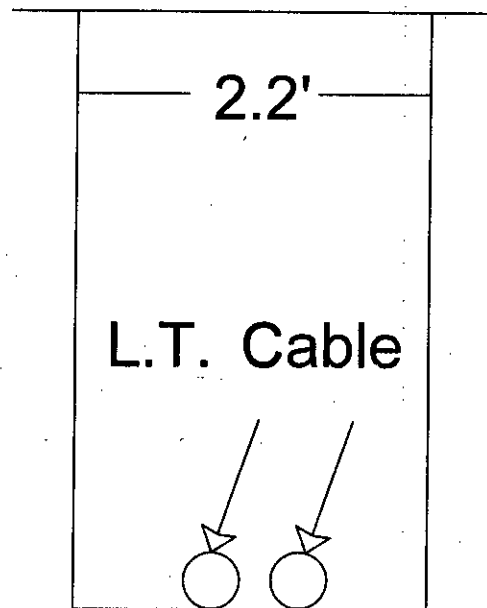
L.T. CABLE LAYING PLAN

P.C.C.



Single Circuit

P.C.C.



Double Circuit

Note: L.T. cables should be laid underground in trench as shown above. At road crossings and traffic routes, L.T. cables should be laid in 4" conduits instead of laying directly. If cable route is straight and does not have a lot of turns then armored cable should be used for main circuits otherwise non armored cable should be used.

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:LO21010596
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:LO21010596
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	49.000	23.312	2.783	3.017	4.510	7.990	90.612
Utilization	23.379	22.814	2.775	2.063	4.389	1.281	56.701

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	27.636	22.243	49.879
Utilization	0	0	0	0	27.636	0.000	27.636

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

11.3 PACT ANALYSIS

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11.4 ECONOMIC ANALYSIS

Impact of Delays on Project Cost and Viability

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

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

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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:

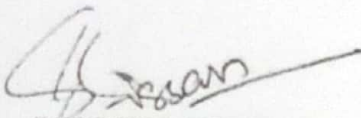
Tel. No.:

Fax No:

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

15. It is certified that the project titled "Revamping of THQ Hospital Bhalwal (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.

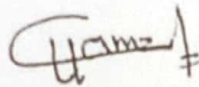
Prepared By:



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

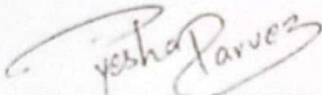


(RIZWAN SHOUKAT)
PROCUREMENT SPECIALIST, (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

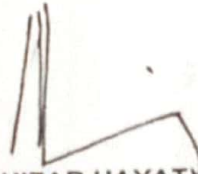


(HAMZA NASEEM)
PROJECT MANAGER CIVIL, PMU,
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

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, Bhalwal District Sargodha

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	