

PC-1

Balance Work of Revamping of THQ Hospital Gojra

ORIGINAL APPROVED COST	PKR Million. 162.880/-
ORIGINAL APPROVED GESTATION	43 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

Balance Work of Revamping of THQ Hospital Gojra

2. LOCATION OF THE PROJECT

- 2.1. DISTRICT(S)
 - I. TOBA TEK SINGH
- 2.2. TEHSIL(S)
 - I. GOJRA

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

• PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

• PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

• PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

• NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation:0.000
3	GS No: 5370
4	Total Allocation: 0.000
5	Funds Diverted:0.000
6	Balance Funds:0.000
7	Comments: Provision of Rs.1300 reflected at G.S. No.660 of ADP 2020-21 titled "Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

ATTACHED

. Brief Description / Background

The District Head Quarters (DHQ) Hospitals are located at District headquarters level and serve a population of 1 to 3 million, depending upon the category of the hospital. The DHQ hospital provides promotive, preventive and curative care, advance diagnostics, inpatient services, advance specialist and referral services. DHQs provides referral care to the patients including those referred by the Basic Health Units, Rural Health Centers, Tehsil Head Quarter hospitals along with Lady Health Workers and other primary and secondary care facilities.

Similarly, Tehsil Head Quarter Hospitals are located at each Tehsil Headquarter and serve a population of 0.5 to 1.0 million. At present, the majority of THQ hospitals have 40 to 60 beds. The THQ hospital provides promotive, preventive and curative care, diagnostics, inpatients, referral services and also specialist care. THQ hospitals are also supposed to provide basic and comprehensive Emergency Obstetric and Newborn Care. THQ hospital provides referral care to patients, including those referred by the Rural Health Centers, Basic Health Units, Lady Health Workers and other primary care facilities.

Keeping in view the importance of primary and secondary health care, the department has decided to launch massive revamping of 40 DHQ & THQ Hospitals in the current financial year (25 DHQ's and 15 THQ's). In addition to this, as a part of special instructions, the department has also taken improvement of emergencies in 15 DHQ &THQ Hospitals.

Infrastructure improvement portfolio was undertaken in all DHQ & 15 THQ Hospitals through Infrastructure Development Authority Punjab (IDAP) with the following details:

- (A) Repair/Renovation of Clinical Covered Area Establishment / Upgradation of Missing Facilities (Emergency, ICU, CCU, Burn Unit, Dialysis Unit, Physiotherapy, Dental Unit, CT Scan, Mortuary and Yellow Room) Complete Renovation of Existing internal infrastructure (Wards, OPD Rooms, Corridors, Operation Theaters and Diagnostic blocks) with stateof-the-art clinical friendly materials
- **B) External Development -** Façade, External Pathways, Platforms, Sewerage and Water Supply System

C) External Electrification

- Dedicated Power Lines (Dual Supply and Express Lines)
- External wiring

(D) Establishment / Up-gradation of Missing Health Facilities:

- Emergency
- CT Scan
- Dialysis
- ICU
- CCU
- Physiotherapy
- Mortuary
- Dental Unit

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.

Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Details of revamping in DHQ is given below:

Total area of the THQ Hospital Gojra:	57,343 SFT
Area completed:	37,258 SFT
Area Not Taken up:	20,085 SFT
External Development and Electrification:	Not Executed

Later on the IDAP informed that they will not be able to take the next revamping plan of DHQ/THQ Hospitals of Punjab on the grounds that it does not fall in the project role of IDAP specified in the 36th meeting of Principal Cabinet of IDAP held on 26-10-2020.

Accordingly, on the basis of RCE of IDAP and de-scope civil work received 25 subschemes of all DHQ and 15 THQ Hospitals have been approved from PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Subschemes of all DHQ & 15 THQ Hospitals were concluded.

Now it has been decided to complete the balance civil work of revamping through C&W Department. Accordingly, the Rough Cost estimates of balance civil work

has been got prepared from the Punjab Buildings Department for preparation of instant PC-I.

5.2 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 three categories

- 5.4.1 External Development
- 5.4.2 Internal Development
- 5.4.3 Medical Infrastructure Development
- 5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

In order to improve the communication between blocks, necessary interventions are taken to <u>improve the existing metaled road network</u>. Moreover, new internal metaled road is proposed to access the blocks of hospital.

5.3.1.2 Façade Improvement

In order to improve the aesthetics of hospital, façade uplift has been proposed in order to give the feel of modern architectural era.

5.3.1.3 Sewerage System

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 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 <u>express line or dual electrical supply</u> in all hospitals under revamping. Despite these two facilities based, on the current and proposed electrical load of hospital <u>new transformers were proposed</u> to step down the voltage to desired level and complete generator backup system was designed and <u>generators along with automatic transfer switches</u> 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 <u>pole lights</u> to lighten up the pathways and <u>garden lights</u> to lighten up the lawns were designed and proposed.

5.3.2.1 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.

5.3.2.2 Seamless flooring and Lead Lining

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

5.3.2.3 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.

5.3.2.4 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.

5.3.2.5 Fire and theft security

The security of hospital against fire and theft is another patient beneficial initiative in the revamping program. The provision of different types of fire extinguishers and installation of different types of CCTV cameras is also proposed in this program. The fire extinguishers are planned to place at those positions in the building where the fire event is most likely to occur and CCTV cameras are designed to install at those location where monitoring is essential from security point of view. These points also include the external areas of hospital like main gates etc.

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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.

In the revamping program, following clinical facilities are being introduced in the DHQ Hospital:

I.C.U, C.C.U, Burn Unit, Dialysis Unit, C.T. Scan, Dental Unit, Physiotherapy Unit and Prisoners ward

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 <u>ICU</u>

District Headquarter Hospitals (DHQ) serve catchment populations of the whole districts (1-2 million) and provide a range of specialist care in addition to basic outpatient and inpatient services. They typically have about 100 to 300 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 DHQ 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 DHQ and 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 <u>intensive treatment medicine</u>. Intensive care units cater to patients with <u>severe and life-threatening</u> illnesses and injuries, which require constant, close monitoring and support from specialized equipment and medications in order to ensure <u>normal bodily functions</u>. Intensive care units are staffed by highly trained <u>doctors</u> and <u>nurses</u> 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 <u>ARDS</u>, <u>trauma</u>, <u>multiple organ failure</u> and <u>sepsis</u>. Patients may be transferred directly to an intensive care unit from an <u>emergency department</u> 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.

5.3.3.2 <u>CCU</u>

Understanding these ground realities Primary and Secondary Healthcare Department, Government of the Punjab has decided to establish coronary care units (CCU) in DHQ 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.

5.3.3.3 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.

District Headquarter Hospitals (DHQ) & 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 10 bedded dialysis at DHQ hospitals & 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 preexisting 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.

5.3.3.4 BURN UNIT

To improve the quality of medical care rendered to burn patients, primary and secondary Healthcare Department has decided to establish burn units in DHQ hospital as a part of its Annual Development Plan. Effective management of Burn victims is a complicated and challenging intervention in a developing country like Pakistan. Absence of clinical standards, protocols, and guidelines for care of burn patients in health facilities is an important constraint. Primary and Secondary Healthcare Revamping programme (PSHRP) is the initiative by the Chief Minister of Punjab to improve the healthcare delivery system in the province Acquisition of licenses for all DHQ and 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.

Burns are among the most common types of trauma occurring in any society. Most burns are relatively small and consequently not life threatening, but large burns, even partial thickness ones, still pose a major threat when not treated properly. Even smaller burns may cause major morbidity, because the injury is very painful and may lead to disfiguring scar formatting, primarily hypertrophic scarring. The 4 bedded Burn Units will treat children and adults with thermal burns, chemical burns, electrical burns etc.

Primary and secondary healthcare department focusing on optimal management of patient with up to 30% burns in newly developed burn units and desired to establish a proper referral system for patients who have more than 30% burns. Primary and secondary healthcare department has directed its efforts towards development of an organized system for total care of the burn patient including development of medical protocol, training & retaining the qualified medical/nursing staff and coordination with specialized health & Medical education department.

5.4.1 EMERGENCY DAPARTMENT:

All THQS and DHQs are already providing emergency services to critical ill patients. As for 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.

5.4.2 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:

5.4.3 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.

5.4.4 Addition of Portico and External Structures

The external structures like portico, ramp/stretcher way for entrance, podium and platform for wheel chairs are proposed in this program for facilitation of patients. Portico is a small structure constructed outsides the covered area consisting of four or two columns carrying a slab or roof over it. This portico is constructed in this program outsides the emergency department to provide a shade for the ambulance or any other vehicle carrying the patient. With presence of this portico, it will facilitate the patient to transfer it from ambulance to the department under a shade so that it provides resistance against the rain or other weathering effects.

Ramp/Stretcher way is an essential structure to constructed outsides the emergency department because almost all the patients coming towards the emergency block are on either wheel chairs of stretcher. It is impossible for a wheel chair or stretcher to cross the stairs in order to enter in the department. To cope up with this problem, ramp or stretcher way is proposed outsides the emergency department to provide a smooth passage for the stretcher or wheel chair. Platform for wheel chairs is proposed in this program in order to provide a station for wheelchairs. The presence of this wheel chairs platform will ensure in time access to the wheel chairs when required. In order to give a feel of modern architecture and to uplift the existing shabby outlook of the department, interventions regarding façade improvement are taken in this program.

5.4.5 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

5.5 Introduction of IT-based solutions

This includes implementation of IT-based solutions for improving services delivery standards to ensure better service delivery to general public/patients. In this regard, a dedicated Project Management Unit (PMU) established comprises ICT wing with the scope of revamping exercise include but not be limited to provision of IT equipment & IT solutions.

Currently, Queue Management System (QMS) integration with Hospital Information Management System (HIMS) project was under execution by PITB for Phase-I DHQ/THQ 40 hospitals.

Number of software application has been developed, deployed and implemented in hospitals by using the IT manpower in hospitals by PMU ICT team that includes but not limited to:

- Invoice Management System
- MEPG mobile application & web portal for outsourced services monitoring system.
- Janitorial mobile application & web portal
- Surgery Tracking Application & web portal
- Patient Feedback Application & web portal
- Stock Management /Consumable Application
- Equipment Management Portal
- Hospital Management Information System for Phase-II hospitals
- Patient Referral System Portal

MLC portal 5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

During construction phase, "Construction Supervision" will be carried out by the Procuring Agency (Director Infrastructure) who will certify construction activity.

5.6.1 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 THQ and DHQ 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 DHQ hospital provides promotive, preventive, curative, advance diagnostics, inpatient services, advance specialist and referral services. All DHQ hospitals are supposed to provide basic and comprehensive EmONC. DHQH provides referral care to the patients including those referred by the Basic Health Units, Rural Health Centers, Tehsil Head Quarter hospitals along with Lady Health Workers and other primary care facilities. 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 Hospitals. 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 specialities are being prepared comprising of departmental organizational plan, criteria for essential human resource, essential equipment, general and specialized SOPs, departmental safety guidelines etc. Standardized Medical Protocols (SMPs) are standard steps to be taken by a health facility during medical or surgical management of a patient. Standard Operating Procedure (SOPs) are detailed description of steps required in performing a task including specifications that must be complied with and are vital to ensure the delivery of these services .It requires literature review, departmental view, facility visits, consultative visits and development of action plan for implementation of MSDS. Effective MSDS implementation requires essential documentation. Documentation is a key for record keeping, monitoring and auditing. For this purpose, registers, forms, displays have to be designed with coding for effective tracking. In addition to this it also requires analysis from field from utilization point of view.

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

- 1. Developing a plan to test the change (Plan),
- 2. Carrying out the test (Do),
- 3. Observing and learning from the consequences (Study), and
- 4. Determining what modifications should be made to the test (Act).

- 5. Monitoring effective load sharing of Human resource and equipment within hospitals.
- 6. Addition of new HR/ rationalization on requirement of MSDS indicator compliance for effective departmental organization and their planned trainings by MPDD, UHS ETC
- 7. Standard optimization of Standard operating procedures and methods for their effective adoption by hospital human resource.
- 8. We have also extended our MSDS implementation in 20 more departments such as dentistry, ICU, ccu, Dialysis, mortuary, burn unit, physiotherapy, orthopedics, medicine, nursing, paeds, ophthalmology, derma, TB, urology, patient transfer system, store and purchase, audit and accounts, procurement, planning etc. We are also in process of preparing manuals, SOPS, plans, universal forms, and universal registers with universal tracking system of record.
- 9. We have developed an application for continuous monitoring of MSDS compliance.

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

procurement and distribution systems, 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.

5.6.2 Supply of missing Biomedical and non-biomedical equipment

Procurement of Bio and non-biomedical equipment as per requirement of the hospital and available financial resources in all DHQ and 15 THQ Hospitals completed.

Impact of supply of missing Biomedical and non-biomedical equipment;

- With the addition of necessary biomedical equipment like CT Scan/X-Ray/Ultrasound and Color Doppler, Burn Unit equipment, ICU/CCU equipment, Ventilators, Medical Gas Pipeline System and Operation Theaters etc. hospital clinical staff and administration is able to provide better healthcare to the patients' way beyond the limits prior to revamping.
- Due to availability of this necessary biomedical equipment coupled with trained staff, the load on specialized healthcare hospitals has greatly reduced. The hustle and bustle of general public (especially rural) faced due to travelling towards far furlong specialized healthcare hospitals has reduced.
- Lifesaving biomedical equipment for instance Emergency Equipment, Operation theaters equipment has contributed in saving many lives due to availability of the said equipment and this contribution is still going on.
- Non availability of this equipment was enforcing the public for private and costly treatments, which was resulting into huge financial impact on public. The availability of these services at government rates has beneficial impact on public.
- The provision of non-biomedical equipment has facilitated the public, patients and staff largely e.g. Air Conditioners, Office Furniture, Benches, Ceiling fans and generators etc.
- The provision of non-biomedical equipment e.g. waste bin sets, bed sheets, blankets etc. has contributed towards overall hospital cleanliness which has reduced the disease hotspots of hospitals.

Biomedical Equipment Resource Center (BERC) has been working under PMU to record and maintain an updated elaborate and sophisticated asset inventory of biomedical equipment in DHQ and THQ Hospitals at provincial level, respond to repair calls by mobilizing the assigned repair personnel/vendors/firms and analyze the data to identify quality, repair track and life span (end-of-life) of equipment; quality of service of vendor/firm/party and quality of service of the service provider handling the equipment; and use the information to raise alerts in relevant departments for adequate action (procurement, condemnation, black-listing of vendor etc.)

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

OPD in DHQ has enormous patient load, due to the only big public sector serving hospital in Districts and 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 DHQ is given as follows:

There are 35 counters at DHQ 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 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.

The same process described above for DHQ will be implemented for THQ but with lesser number of counters i.e. 25. 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.

5.7.2 Public Address System

Hospital Staff / Patients / Public Address System at Hospitals is a mandatory part of any hospitals facility following the international standards. The system is required to serve the multipurpose of announcing code blue (Critical Situation), making general announcement to attendants / Patients or to call patients or to transmit the fire tone under fire condition. The said system has been installed with 20 locations at hospitals with speakers and two announcement locations within the hospital. This will help in streamlining the operations of hospitals and for efficient and better service delivery and to better patient care.

5.7.3 CCTV System

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 being provided by an outsourced security company in relevant 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 40 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 40 public sector healthcare facilities.

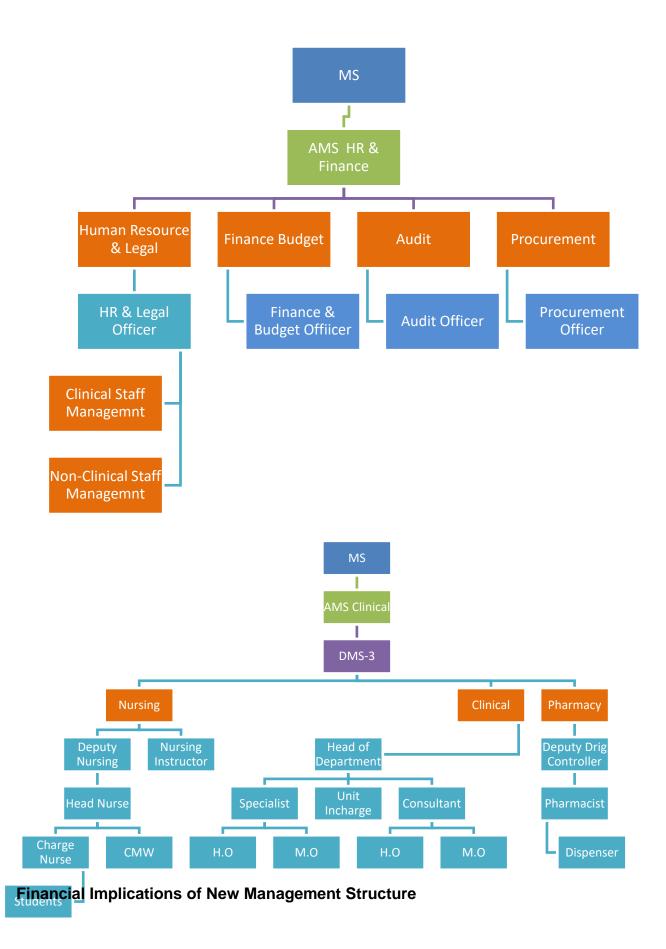
5.7.4 EMR and Networking

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.



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</u> (PPS)	<u>Revised Project Pay Scales</u> (Permissible Range) (PKR)	<u>Annual Increment</u> <u>Up to % age</u>
PPS-1	28,000 44,800	10
PPS-2	35,00056,000	10
PPS-3	43,750 70,000	10
PPS-4	52,500 84,000	10
PPS-5	70,000112000	10
PPS-6	105,000 172,200	8
PPS-7	157,500258,300	8
PPS-8	218,750358,750	8
PPS-9	306,250502,250	8
PPS-10	437,500700,000	5
PPS-11	612,500 980,000	5
PPS-12	875,0001,400,000	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:

		Original Pay package approved		Revised Pay package	
Name of Post	No. of Employees	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	645,000	8,760,000	849,000	11,556,000
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5.8.1 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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.8.2.2 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
- 7. & Finance/MS/P&SHD

Eigibility Criteria

- Minimum qualification Masters' degree in Finance (MBA Finance)/ M.Com / CA Inter/ ACCA or equivalent from HEC recognized University or officer from treasury service / subordinate accounts service (Additional credit may be given to Chartered accountant / ACCA)
 - Minimum 1 year post degree experience of Finance, Accounts & Budget (Additional credit may be given for Public sector experience of similar nature)

5.8.2.3 Audit Officer

Shall be responsible for following functions:

- 1. Smooth conduct and completion of all types of audit in hospital
- 2. Pre-audit of all Payments
- 3. Liaison with external audit teams
- 4. Preparation of replies of audit paras, working paper for Department Accounts committee, Special Departmental accounts committee & Public Accounts committee meetings
- 5. Development of SOPs for finance, budget, procurement as per Government rules & regulations
- 6. Any other function assigned by AMS HR& Finance /MS/P&SHD

Eigibility Criteria

- Minimum qualification Masters' degree in Finance/ MBA Finance / Chartered Accountant / ACCA / M.Com or equivalent from HEC recognized University.
- 2. Minimum 1 year post degree experience of audit (Additional credit may be given for Public sector experience of similar nature)

5.8.2.4 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

- Minimum qualification Masters' degree in Finance/ MBA Finance / BSc Engineering / Pharm D/ Economics / Statistic / M.Com or equivalent from HEC recognized University
- 2. 1 year post degree experience of procurement (Additional credit may be given for public sector experience of procurement)

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

- 1. Security
- 2. Transport
- 3. Parking
- 4. Janitorial
- 5. Canteen
- 6. External housekeeping
- 7. Electrical works
- 8. Internal housekeeping
- 9. Laundry
- 10. 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 (Admin Officer)

- Minimum qualification Masters' degree in Economics/ Public Administration/ Finance/ MBA Finance / Administration / Statistic / Computer Science/M.Com / BSc Engineering/ Pharm D or equivalent from HEC recognized University
- 2. Minimum 1 year post degree relevant professional experience (Additional credit may be given for hospital administration/ Public sector administration of similar nature)

Eligibility Criteria (Assistant Admin Officer)

- Minimum qualification Masters' degree in Social Sciences / Public Administration / MBA / ACMA / ACCA / Statistics/ Computer Science / M.Com / Pharm D or equivalent from HEC recognized University
- 2. Relevant professional experience will be preferred (Additional credit may be given for hospital administration/ Public sector administration of similar nature)

5.8.2.6 IT/STATISTICAL OFFICER

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

He shall be in liaison with PITB/HISDU for proper reflection of hospital record on PITB 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

 Minimum qualification Masters' degree in Computer Science / MCS / BSCS (Hons) / MSC Statistics/ MBA / M Com / BS Engineering or equivalent from HEC recognized University 2. 1 years post degree experience of IT / Data analysis (Additional credit may be given for similar assignment experience)

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

 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 professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

He shall be responsible for all items of Bio-Medical and Non-Bio-Medical in the hospital.

Eligible Criteria

- 1. BSc Bio-Medical Engineering / BSc Electrical Engineering / BSc Electronics or equivalent from HEC recognized University.
- 2. Minimum 1 year post degree relevant experience. 2 year experience is preferable.

5.8.2.9 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.

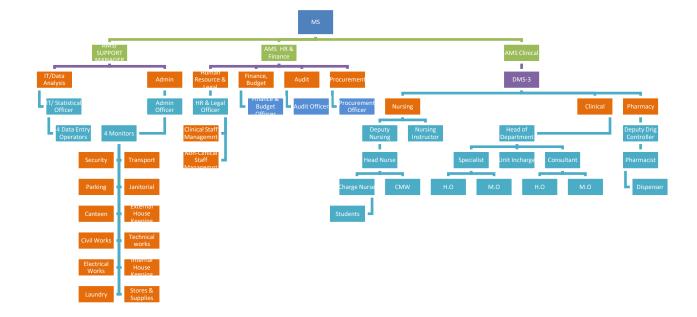
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

- Minimum qualification BA / BSc / B.COM / BCS or equivalent from HEC recognized University. In case of BA / B.Com candidate must have six month computer course / Diploma.
- Proficient in MS Word/ MS Excel/ MS Power point. Candidate must have typing speed of minimum 30 WPM. (additional credit may be given for additional relevant certified computer courses)
- 3. 1 years post degree relevant experience



Financial Implications of New Management Model

			sed Pay ckage	
Name of Post	No. of Employees	Per Month Salary	Salary for One Year	
Admin Officer	1	105,000	1,260,000	
Human Resource Officer	1	105,000	1,260,000	
IT/Statistical Officer	1	105,000	1,260,000	
Finance & Budget Officer	1	105,000	1,260,000	
Procurement Officer	1	105,000	1,260,000	
Quality Assurance Officer	1	105,000	1,260,000	
Logistics Officer	1	105,000	1,260,000	
Data Entry Operator (DEO)	2	44,000	1,056,000	
Assistant admin Officer	2	70,000	1,680,000	
Total	11	849,000	11,556,000	

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

Government of the Punjab decided to reform primary and secondary healthcare network into a robust, proficient and vibrant delivery system. It was a landmark initiative to revamp and rehabilitate DHQ /THQ Hospitals throughout the province. Revamping of DHQ and THQ Hospitals has been a flagship program of Primary and Secondary Healthcare Department. Scope of Revamping program includes six major components like (a) Addition of human resource, (b) Rehabilitation and improvement of infrastructure, (c) Supply of missing biomedical and non-biomedical equipment; (d) Introduction of IT-based solutions, (e) Outsourcing of allied services and (f) Standardization of hospital protocols. It was realized that a dedicated Project Management Unit (PMU) to be established to undertake this ambitious revamping program, which would steer all these components towards successful service delivery meeting the quality on priority basis.

5.9 <u>RELATIONSHIP WITH SECTORAL OBJECTIVES</u>

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 multisectorial approach. The health care facilities and ongoing services provided in the hospital will seek strength and viability from its linkage and public ownership.

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 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.

5.10.2 <u>O.P.D:</u>

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

5.10.3 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.

5.10.4 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.

5.10.5 PROJECT MONITORING COMMITTEE

A Project Monitoring Committee is hereby constituted as under to monitor the project regarding Revamping of Hospital.

1.	DC Concerned	(Chairman)
2.	DMO, Concerned	(Member)
3.	Executive Engineer Buildings	(Member)
4.	AC Concerned	(Member)
5.	MS DHQ Hospital	(Secretary/Member)

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Gojra District Toba Tek Singh is more than 0.420 million. The area of the THQ Hospital Gojra District Toba Tek Singh is 468,556 SFT land.

6.1 DESCRIPTION AND JUSTIFICATION

Government of the Punjab has taken a special initiative for Revamping of DHQs and THQs hospitals all over the Punjab. The instant PC-I is meant for completion of Balance work of Revamping of the said Hospital. For this purpose a block allocation of Rs.1300 million has been earmarked in ADP at G.S.No 660 during 2022-23. Hence the PC-I is submitted.

Punjab has a unique burden of disease where on the one hand preventable diseases still take a heavy toll, on the other hand, diseases which were previously believed to have had been effectively curtailed, have re-emerged. This is particularly in view of the targets set under Sustainable Development Goals (SDGs) such as the end of epidemics such as aids, tuberculosis and malaria by the year 2030, and control over hepatitis, water-borne diseases and other communicable diseases while reduction to one-third of premature mortality due to non-communicable diseases through ensuring availability of effective prevention and treatment.

Primary Health sector in the province is not in a satisfactory condition at this point in time. In order to pay better attention to the primary and secondary health department, the Government of Punjab has created a new department. Government plans to launch a major program comprising several major projects and interventions in the primary health sector with a view to carry out a 360 overhaul of the health machinery. This program will be launched in 25 DHQ hospitals and 100 THQ hospitals of the province.

JUSTIFICATION FOR REVISION OF PC-I

 Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Later on the IDAP informed that they will not be able to take the next revamping plan of DHQ/THQ Hospitals of Punjab on the grounds that it does not fall in the project role of IDAP specified in the 36th meeting of Principal Cabinet of IDAP held on 06-10-2020. Accordingly, on the basis of revised RCE of IDAP and de-scope civil work for 25 sub-schemes of all DHQ and 15 THQ Hospitals have been approved from PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.

Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled "Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab" was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 172.144 million to Rs. 127.130 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

2. 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: -

	60 th PDWP Meeting						
Name of Posts	PPS	Permissible	Approved Pay				
	Assigned	Range (PKR) & Annual increment	Package				

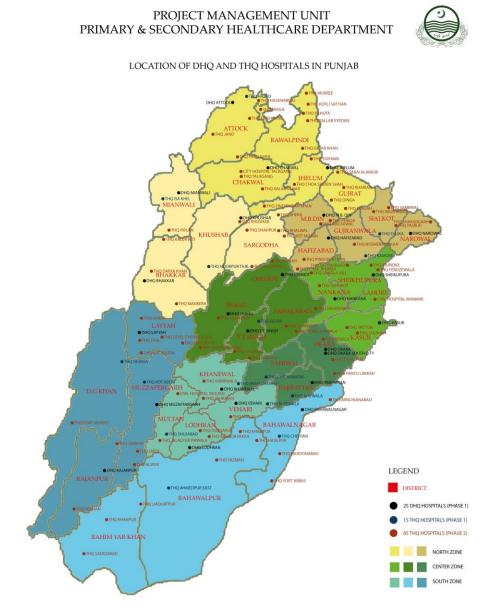
HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer	PPS-6	75,000-105,000 (8% annual incr.)	75,000
Assistant Admin Officer	PPS-5	50,000-75000 (10% annual incr.)	50,000
Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000

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

3. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the all DHQ /15 THQ Hospitals and hence PC-I has been proposed till 30- 06-2025.

6.1.2 DHQ/THQ Hospitals covered under the Project: The location map of the DHQ and THQ hospitals that will be taken up for rehabilitation in this program are





The names of the DHQ and THQ hospitals that will be taken up for completion of balance work of in this program are given below:

- 1 DHQ Hospital Attock
- 2 DHQ Hospital Bahawalnagar
- 3 DHQ Hospital Bhakhar
- 4 DHQ Hospital Chakwal
- 5 DHQ Hospital Chiniot
- 6 DHQ Hospital Hafizabad

- 7 DHQ Hospital Jhang
- 8 DHQ Hospital Jhelum
- 9 DHQ Hospital Kasur
- 10 DHQ Hospital Khanewal
- 11 DHQ Hospital Khushab
- 12 DHQ Hospital Layyah
- 13 DHQ Hospital Lodhran
- 14 DHQ Hospital MBD
- 15 DHQ Hospital Mianwali
- 16 DHQ Hospital Muzaffargarh
- 17 DHQ Hospital Nankana Sahib
- 18 DHQ Hospital Narowal
- 19 DHQ Hospital Okara
- 20 DHQ Hospital Okara South City
- 21 DHQ Hospital Pakpattan
- 22 DHQ Hospital Rajanpur
- 23 DHQ Hospital Sheikhupura
- 24 DHQ Hospital T T Singh
- 25 DHQ Hospital Vehari
- 26 THQ Hospital Ahmedpur East District Bhahawalpur
- 27 THQ Hospital Arifwala District Pakpattan
- 28 THQ Hospital Burewala District Vehari
- 29 THQ Hospital Chichawatni District Sahiwal
- 30 THQ Hospital Chistian District Bhahawalnagar
- 31 THQ Hospital Daska District Sialkot
- 32 THQ Hospital Esa Khel District Mianwali
- 33 THQ Hospital Gojra District Toba Tek Singh
- 34 THQ Hospital Hazro District Attock
- 35 THQ Hospital Kamokee District Gujranwala
- 36 THQ Hospital Kot Addu District Muzaffargarh
- 37 THQ Hospital Mian Channu District Khanewal
- 38 THQ Hospital Noorpur Thal District Khushab
- 39 THQ Hospital Shujabad District Multan
- 40 THQ Hospital Taunsa District Dera Ghazi Khan

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:LO21010554 A/C To be Credited:Assan Assignment

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

Financial Components: Capital **Cost Center:**OTHERS- (OTHERS) **Fund Center (Controlling):**N/A Grant Number:Government Buildings - (PC12042) LO NO:LO22010096 A/C To be Credited:Account-I

PKR Million

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

PKR Million

1. **Building**: Renovation of existing building will be required. In this regard an estimates has been prepared from the Punjab Buildings department (C&W Department) and attached with the PC-I.

2. **Human resource:** Human resource is required for implementation of project – Provision of salaries of staff of New Management Structure (NMS) working in the said hospital till the vacation of stay by the honorable Lahore High Court, Lahore and completion of conversion of these posts to non-development mode.

Abstract of Cost

Name of THQ Hospital	Gojra								
Scope of work		Orignal		-	Ist Revised				
	Capital	Revenue	Total	Capital	Revenue	Total			
Capital component									
Internal Development	52.184	0.000	52.184	70.187	0.000	70.187			
External Development	103.876	0.000	103.876	44.920	0.000	44.920			
Water filtration plant	1.870	0.000	1.870	1.526	0.000	1.526			
Total Capital Component	157.930	0.000	157.930	116.633	0.000	116.633			
Revenue component									
Human resource (HR) plan	0.000	17.520	17.520	0.000	46.247	46.247			
Total Revenue component	0.000	17.520	17.520	0.000	46.247	46.247			
Total	157.930	17.520	175.450	116.633	46.247	162.880			
PST (5%)	7.897	0.000	7.897	0.000	0.000	0.000			
Contingency (3%)	4.738	0.000	4.738	0.000	0.000	0.000			
Punjab Green tax (1%)	1.579	0.000	1.579	0.000	0.000	0.000			
Grand Total	172.144	17.520	189.664	116.633	46.247	162.880			

Human Resource Model of THQ Hospital

		Orig	ginal		1st Revised					
NAME OF POST	No. of Emplyees	Per Month Salary	Salary for all	Salary for Two Years	No. of Emplyees	Project Pay	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	
	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
RESOURCE/LEGAL	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
DATA ENTRY OPERAOTOR (DEO)	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000	
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
ASSISTANT ADMIN OFFICER	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000	
Sub Total of HR Model	11		730,000	17,520,000	11	50	849,000	963,000	29,853,000	
				17.520					29.853	
Utilization of HR Component				16.394						
									46.247	

							till reflex a transformation all pro-
				E FOR TEHSIL GOJRA			
PUNJAB	TOBA TEK SINGH.	BUILDINGS DIVISION, TOBA TEK SINGH.	BUILDINGS SUB DIVISION, TOBA TEK SINGH.	ROUGH COST ESTIMATE REVAMPING OF HEADQUARTER HOSPITAL ((ADP NO.660 / 2022-23).	16.633 (M) 116.633 (M) 119.697 (M)	164-55 Rs. 178-773 (M).	
PROVINCE.	STATION	DIVISION.	SUB DIVISION.	NAME OF WORK.	MAJOR HEAD.	ESTIMATE COST.	
	¥. v		i, Li	la 's standard and s	7 L 61		Page 46

	<u>ROUGH</u> HOSPIT	ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL GOJRA TOBA TEK SINGH (ADP NO.660 / 2022-23).
	HISTO	HISTORY:- Primary and Secondary Healthcare Department (P&SHD)
	has tr	insformed its secondary healthcare establishments through revamping
	progran	1, P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across
	the Pui	ijab. These hospitals have been divided in the two phases of revamping
	progran	. P&SHD has carried out the civil works under revamping program in Phase-I
	hospita	s through infrastructure Development Authority (IDAP). The scope of work of
	the rev:	imping civil works was i) internal Development ii) External Development and
	iii) Exte	rnal Electrification. As of now around 60% of work on these schemes has
	been co	mpleted by IDAP.
		Now, the P&SHD intends to carry out complete revamping
	of thes	Phase-I hospitals through Communication and Works Department Punjab.
	Hence,	Project Management Unit office P&SH department has approached this office
	for pre	aration of cost estimates for remaining work of these hospitals so that the
	work or	these schemes can be executed completely. The detail design document as
	provide	d by PMU is attached with the estimate. It is pertinent to mentioned here that
	as per l	he direction of PMU the revamping of only the remaining civil infrastructure of
	Tehsil I	leadquarter Hospital Gojra has been taken in estimate i.e. no work in the area
	revamp	ed by IDAP has been taken in this estimate. Only the non-revamped area
	(clinical	blocks only) has been taken in this estimate. Further, no addition alteration
	has be	in taken. The PMU was requested to provide detailed site specific drawings,
	vetted	y competent authority, if any addition alteration was required. However, no
	such dr	awing was provided therefore addition alteration was not considered and only
	revamp	ing of the area and overhauling of utilities (electricity, water, sewerage) was
	conside	red.
	DESIGN	DESIGN AND SCOPE:- The following provision has been made in this estimate.
·	-	Internal Development
*	~	Internal Development of Existing Building / Revamping (Balance work)
	2	Public health of existing clinical block
	က	Internal E.I work
	<u></u>	pment
	,	Tuff Tile parking area & fiber glass shed
	8	Mettled Road
	က	Boundary wall
	4	External Water Supply
	S	Sewerage System
	9	Lighting
	7	SUPPLY, INSTALATION AND TESTING OF R.O PLANT.
	RATES.	The Rate provided in the estimate are hasod on Dlinth
	MRS Rat	es 2 nd Bi-annual 2022.

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16.633(M ರ್ The work will be executed strictly according to PWD / B&R Cost of rough cost estimate works out of Rs.178.773 Millions The gestation period of the scheme has been kept as 18 months. for cost ENGINEER Land has been provided in the detailed estimate. EXECUTIVE ENGINEE Buildings Division Toba Tek Singh V **CERTIFICATION:**-specifications. COST:-TIME:v 4 Page 48

Page	49
Гачс	47

	and the second									·
	Model Specifications/ Brands and distance should be as per specified C&W Standards	anoon bns and rooms should lit with SMD's with concested wing.	hl corridors and rooms should ال with SMD's with concealed wining.	hil contacts and rooms should lif with SMD's with concealed with g	All conidors and rooms should lit Mith SMD's with concealed witing.		til bluorls smoor bus stobhoor IIA Brind Sall sviring and sourcested with		ຂອງມາກຊາງ ອີກເງິນຊີນ ເຊິ່ງ	nt 8
	Model-Specifications / Brands, should be as per specified C&W Standards.	boards, plates, sockets, should be replaced and instailed at standard height from Finish Floor level and all must be identical.	Electing filtings-including-switch boards, plates, sockers, should be replaced and installed at standard height from Finsh Floor level and all must be identical.	boards-plates_cockets_should-be- replaced and installed at standard height from Finish Floor level and all must be identicat	replaced and installed at standard height from Finish Floor level and	boards, plates, sockets, should be	Election fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical.		ຂຽດເນັ່າກີ ວ່າງ່າວອໄ∃ ໂຣຕາອງາ	41 2
	190010010013 0Puit	Make all Electric/ CCTV/ networking wiring concealed. All Electric fittings including switch	Make all Electric! CCTV/ networking wing concealed. All Electric flipping	noriwe gribulori sgriffici fielding Moriae griffici sgriffici fielding synthesis			Make all Electric/ CCTV/ Intworking wing concealed. All Tel-utation			
		· .							nternal Corridors.	가 9
							hydrulic floor hinges aluminum/ glazed doors with alar with floor hinges.		nisM Ismetral Main sooc	
				·	·		Three numbers main doors of		· · · ·	4
	Specifications, Aluminum and glass color will be as per specified C&W Standards	All old MS internal windows need to be reptaced with Aluminum Windows , safety grill with mathle sill (no need to mathle sill (no need to reptace exisiting	bil old MS internal windows need to be replaced with Atuminum Windows , safety grill with marble Sill (no need to replace exisiting sill on mendows.)	bean zwobriw Isnaarii 2M blo IIA muninulA diw beastaa oo Windows , safety giril with marble Windows , argetstee exisiting gilifing (no need to replace existing gilifing windows.)	been swobniw Ismanin CM old Manuniumula diw book of the munimula diw book of the manunium dia the munimula d	to be replaced with Atuminum Windows , safety grill with marble Windows , astery grill with marble Bill (no need to replace exisiting	All old MS internal windows need munimula diff becape a of be replaced with Minumunu Windows , safety grill windows all (no need to replace svisiting all no need to replace (.awobniw munimula		ewobniW lsmeini gniteix⊒	3 S
	Specifications will be as per C&W standards.		Aluminad soors be installed in all springo denangs.	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	rerandah opening opening to open area)/ AVindows on Façade) 7
	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.	Replace damaged doors leaves to match with the existing design	Replace damaged doors leaves to match with the existing design.	Damaged doors need to be replaced by matching existing doors.	Damaged doors need to be replaced by matching existing doors	Replace Damaged doors with flush doors by matching with the existing doors.	Replace Damaged doors with flush doors inculding dolly trame chokats by matching with the exisiting doors.		Vooden Doors flush or Solid/ Main Doors	- E I
	Tiles specifications, brand, size and Installation will be standards.	Full Body Porcelain tiles skirting needs to be laid on walls on fresh plaster by dismentling old existing terraco skirting in room and corridors or wherever missing.	Full Body Porcelain tiles skirting needs to be laid on walls on tresh plaster by dismentling old existing terrazo skirting in room and corridors or wherever missing.	Mosaic/ Damaged tiles dado wen thiw coplaced with new porcelain tiles on walls	Mossic/ Damaged tiles dado needs to be replaced with new porcelain tiles on walls.	Mosaic/ Damaged tiles dado peeds to be replaced with new porcetain tites on walls.	Replace 6"X6" glazed tile damaged dado with Porcelain tile dato in rooms and walting area.		² orcelain Wall Tile epiacement	
	Tiles specifications, brand, size and Installation will be as per specified C&W standards.	Full Body Porcelain tiles needs to be laid on floor by dismantling existing terraco flooring by laying new PCC layer of more PCC layer of wherever required (Retain good required (Retain good	Full Body Porcelain tiles needs to be laid on floor by diamantling extafing terrazo/Damaged tile flooring by laying new PCC layer of specified fhickness wherever required (Retain good condition tile flooring.)		DPC level) DPC level) vold mossic floor needs to be on floors by providing new PCC layer of specified thickness. (Make sure the level of floor will be below layer of specified thickness.		Full Body Porcelain tiles needs to be laid on floor in rooms only by dismantiling existing damaged tile flooing to make the floor level even by laying new PCC layer of specified thickness wherever required.(Retain good condition mathle flooring in waiting area.)		Porcelain Floor ∏le Porcement	
ŀ	Remarks	Nursing Hostel.	Nursing college	OT / 1st. Floot	Wards	Diagonostic Block	Old Emergency / Gynae Ward.	OPD/G.Floor	məti	Sr No
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Elevators

Fire Alarm System

Bed Head Units (Wards)

Columns SS Cladding

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Item OPD/G.Floor Odd Emergency / Gynes Diagonostic Block Wards Diagonostic Block Wards Diagonostic Block Wards Opt/G.Floor Nursing college Nursing	a iliw supindost noitellisteni								stairs - Marble and Sailing	
Nearing of childs OpD/G,Floor OpD/G,Floor Nursing college Nursing college<					·				Segistration / Nursing	
Item OPD/G.Floor OpD/G.Floor Unrsing college Uursing college Nursing college <td>putty brand specifications, paint specifications, brand and color will be as per</td> <td>walls of all Blocks should be prepared after plastering in patches (where required only), and wall Putty prior to paint</td> <td>Blocks should be prepared after plastering in patches (where required only) and wall Putty pror</td> <td>should be prepared after plastering in patches (where required only) and wall Putty prior</td> <td>should be prepared after plastering in patches (where required only) and wall Putty prior</td> <td>should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.</td> <td>should be prepared after plastering in patches (where required only) and wall Putty prior</td> <td></td> <td>វិពនៃ^{ក្} រ៉ៃន្វV</td> <td>^ (</td>	putty brand specifications, paint specifications, brand and color will be as per	walls of all Blocks should be prepared after plastering in patches (where required only), and wall Putty prior to paint	Blocks should be prepared after plastering in patches (where required only) and wall Putty pror	should be prepared after plastering in patches (where required only) and wall Putty prior	should be prepared after plastering in patches (where required only) and wall Putty prior	should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	should be prepared after plastering in patches (where required only) and wall Putty prior		វិពនៃ ^{ក្} រ៉ៃន្វV	^ (
Old Emergency / Gynae	doors having specified accessories, tile size and color will be as per specified C&W standards. C&W standards.	be revamped completely by fixing full body porcetain files on floor and full body porcetain minimum height of 7 ft. All existing fixtures should be existing fixtures should be existing fixtures should be existing fixtures along with new water explaced with new water along with new water along with new water along with new water existing fixtures along with new fix	revamped completely by fixing full body porcelain files on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All exating fixtures shong papaced with new fixtures along with new water supply and	revamped completely by fixing full body porcelain files on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures shong replaced with new fixtures along with new water supply and	revamped completely by fixing full body porcelain files on floor and full body porcelain files on wail up to a minimum height of 7 ft. All existing fixtures shong replaced with new fixtures along with new water supply and	revamped completely by fixing full body porcelain files on floor and full body porcelain files on wall up to a minimum height of 7 ft. All existing fixtures shong replaced with new fixtures along replaced with new fixtures along with new water supply and	revamped completely by fixing full body porcelain tiles on floor and ffull body porcelain tiles on wall up ffull body porcelain tiles on wall up to animimum height of.7 ft. All exating fixtures should be replaced with new fixtures along with new water supply and with new water supply and		Toliets Sevamping of Public	
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					in at the floor level.	rsing college must be lowered dow	n of collasible gate of nu	notiod edt is list noti-T ed t	61
				sing college and Hostel.	marble on slab of kitchen shelf in Nur	on walls in demonstration lab and	selit rigir 'S bus qot etdi	Develop Counters with mai	1 81 -
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		-		·)e	2' high tiles on wall above counter leve	s ebivorg bris edfiliarn wen rhiw beor	stqər əd TO ni arətruco	no sdala eldrem begemeQ	91
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· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			sebis rhod no noi	inless steel cladding on lower half pon	e repalced with new doors with stai	d TO ni roob enil beЯ br	The main entrance door ar	14
· .	for outdoor units on roof.	ealed in the wall projecting on to root	ter to provide 2" dia G.I pipe conc	ose of into nearest P-traps. It is bett	and drain pipe for air-conditioner disp	of electric point, condensate pipe	arrangment of provision	Make sure to make proper	13
· · · · · · · · · · · · · · · · · · ·	1990 J.	· · · · ·					roof to the corridors.	Shift the Main cables from	15
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·····				rotection.	e dy not reising its level above plining of	road surface and make road prop	atment to the damaged	Provide double surface tre	9
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					or in QMS hall and center corridor.	ob beselg/munimula ebivor9 .lled o	SMO diiw ilsi elduob prii	Provide two numbers miss	z
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Remarks	Nursing Hostel.	Nursing college	OT / 1st. Floor	Wards	Diagonostic Block	Ward.	OPD/G.Floor		Sr No
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	Drimary & S	Secondary Healthcare	rv Healt	thcare		· · · · · · · · · · · · · · · · · · ·	(Yal)	PKR Million)
			Provi	Provision for 2022-23	-23	MTDF Projections		ow fwd
GS Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 22	Cap.	Rev.	G.Total (Cap.+Rev.)	2023-24	2024-25 Jur	Beyond June, 2025 10
~	┛┛	4	1 000 7	9	1.000	37.659	0.000	0.000
656 Establishment of Cardiac Ward at RHC Khan Bela, Tehsil Liaquatpur, District	43.659	2.000	000.1	200				:
Rahim Yar Khan 01032107937 / 17-07-2021 / Rahim Yar Khan						NOT COC	0000	0.000
 657 Establishment of THQ Hospital Bhowana District Chinict 	397.804	125.000	10.000	0.100	10.100	202./04		
01081100024 / 16-05-2012 / Chiniot	22 060 239	6,446.220	1,300.000	500.000	1,800.000	7,826.305	5,987.715	0.000
658 Programme for Revamping of all Trice Hospitals in Punjab 01371700456 / 12-02-2019 / Punjab	2000 177				100 000	3,045.597	0.000	0.000
659 Upgradation of Existing Trauma Centers and Establishment of New Trauma Centers across the Punjab	5,000.000	1,002.774	0.000	000-001				
661 Establishment of a Health Facility in Rakni District Bankhan Balochistan	589.021	240.000	0.000	10.000	10.000	339.021	0.000	000.0
01372154482 / 01-02-2022 / Punjab T_tot-1: Secondary Health Care	89,810.279	39,189.028	2,801.527	1,767.145	4,568.672	34,104.178	9,538.224	0.000
								0.000
Special Initiauves 662 Prime Minister Health Initiative 01371900805 / 21-11-2019 / Punjab	2,524.446	1,297.517	0000	650.000	•			
	2,524,446	1,297.517	, 0.000			1		
10481: Special Infrativos	138,585.819	55,742.571	1 3,946.086	6,147.094	10,093.180	56,959.869	13,661.603	0000
NEW SCHEMES						۰.		
Preventive Health Care	1,000.000	0.000	0.000	0 200.000	200.000	800.000	0.000	0.000
Disease Control, Punjab 01372001521 / Un-Approved / Punjab				000 000	200.000	0 800.000	0.000	0.000
664 Infection Control Program Phase (II) 01372200879 / Un-Approved / Punjab	1,000.000	0.000			1		0.000	0.000
665 National Health Support Project (NHSP)	3,870.000	0.000	0.000	10.000	000.01 00			
Affe Strendthening of Family Planning	4,000.000	0.000	000.0	00 10.000	10.000	0 3,990.000	0.000	0.000
Services in Primary & Secondary Heatth Facilities 01372202154 / Un-Approved / Punjab	ŧ			. *				0.000
667 Strengthening of Preventive Programs	1,000.000	0.000	00 0.000	00 400.000	00 400.000			
Total: Preventive Health Care	10,870.000		0.000 0.0	0.000 820.000	00 820.000	00 10,050.000	0.000	non:n
Drimary Health Care				1000		150.000	000.0	0.000
668 Strengthening of Urban Dispensaries / Filter Clinics	/ 400.000		0.000 100.000	•		-	-	
ļ	400.000		0.000	0.000 400.000	000 400.000		0.000 0.000	0.000
669 Replacement of Punjab Equipment at BHUs of Punjab 01372202278 / Un-Approved / Punjab		•						
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ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL GOJRA (ADP NO.660 FOR THE YEAR 2022-23).

GENERAL ABSTACT OF COST

Remarks	As per Rough Cost Estimate	Description	Sr. No.
	· · · · · · · · · · · · · · · · · · ·	internal Development	-A
· · ·	75116811		
	-004068419521 00075691	Revamping of Old Emergency Ward / Public Health	L
	10885007 0 0215101 000	dileal aildig Found Floor / Floor / Floor	5
	/~927281 0092 17 7	Revamping of O.T (FIRST FLOOR) \ Public Health	3
-1 400	268 are sablatty	Internal E.I work the cusic france 1/2 baren	4
	Harrot Het	External Development	-8
	/0801948 0009822 049(1529	Tuff Tile & parking shed	L
	200 8 4 2 L	Mettled Road	5
• • • • • • • • • • • • • • • • • • •	372020U	Boundary wall	<u>8</u>
	20009874	APTER SUPPLY / SEWERAGE	4
	5515200 2230000-		G
<u></u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	coust at 0.H. R DO, ODO Callons	9

		SOLEMUNIC ENGINEER BUILDINES CIRCLE NO.2, BUILDINES CIRCLE NO.2,	FECHWICALLY VETTED Purine Subside Dept Central Sone Lahore Purine Subside Dept Windrod Sum Three Purine Subside Dept Central Sone Lahore Central Sone Labore Central Sone Labore	
(77)+69	LOBA TENSINGH BUILDINGS DIVISION EXECUTIVE ENGINEER		CANAL OFFICER BUILDINGS SUB DIVISION TOBA TEK SINGH	
(W)EE9.9/1	155.491	ЯО		
.895 469 09289911	12H (askhoof 97	γεS		
68466	211 E00211821	lstoT.Đ		
720889911	52575797 5000000		Rdd for WAPDA Connection	e dh' t <u>a g</u> ateach, c
	1235454 1621641 16412857 2925291		Add 1% Horticulture charges	e Antalis - dan españo - fostas
	481'E 1685644-1552557		Add 3% Contingency	and the second
+801	8+08332		AЯ뎍 %さ bbA	
£89'th	412857 002921291	listoT		
	1252200		SUPPLY, INSTALATION AND TESTING OF R.O PLANT.	9
Remarks	As per Rough Cost Estimate		Description	Sr. No.

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ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL GOJRA (ADP NO 660 FOR THE YEAR 2022-23).

GENERAL ABSTACT OF COST (Revamping of Old Emergency Ward)

Remarks	As per Rough Cost Estimate	Description	Sr. No.
/00	59571 00045-001 145-18000	Revamping of Old Emergency Ward	<u>ا</u>
	-5136400	PUBLIC HEALTH PORTION	5
10043	68671 003-06541 0011-5291	Total	
		TOBATEK SINGH BUILDINGS SUB DIVISION TOBATEK SINGH	·

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			Revally	5	<u>Revamping of Old Emergency Ward</u>		<u>y Ward</u>				
Dismantling P.C.C 1:2:4.	C 1:2:-	*	1/2" thick.							• .	
Main Building Ground Floor	ind Flo	or .							· .		
Coridoor Old Emerge	1	×	41 1/4	×	7 7/8			B,	325	Sft	
Emerg: Ward / ICU	Ņ	×	20 7/8	×	16 7/8			Ił	705	Sft	
Doctor office	۲	×	15 3/8	×	16 7/8			П	259	Sft	
Scurbup / Sterilize	2	×	7 1/2	×	7 7/8		·	H	118	Sft	
Sitting area near re	+	×	35 1/6	×	24			Ħ	844	Sft	
O.Emg: Ent.	+	×	11 1/2	×	24 5/8			II -	283	St	
·							-	í		(
	_						lotal	11	2534	S#-A	
X-Ray & Lab Area	2)x	20 7/8	₹	16 7/8	X(Ĵ,	н	378	ÅA	
Store Room	2)x	16 7/8	+	7 7/8	×(<u> 5</u>	ŧ	248	∕ s#	
Altra Sound	Ņ)x	20 GTT	÷	12 3/8	×	5	11	332	Sft	
Blood Bank	2)x	20 6/7	+	12 3/8	×	ŝ	11	832	Sff	
Blood Bank	∾)x	/ 20 6/7	• +	16 7/8	×(2	"	/ 377	Sff	
Wajing	ŝ	×	16 7/8	+	6	×(5	H.	169	S# /	
Store	2	×	7 1/2	+	/7 7/8	×	5	,"	154	5	
Office	2)x	13	+	7 7/8	×	5		209	Stt	
X-Ray	2)x	20 7/8	+	16 7/8	×('ng	11	378	SH	
Dark Room	2)x	8/2 6	+	10 3/4	×	5	11	296	-Es	
Coridoor	ო	×	55 3/5	×	с. С			11	\$ 34	Sit	
Dignostic Lab	N .)x	20/2/3	+	10 1/4	Ř	Q.	11	/ 309/	Ъ.	
•	• • •	. + <u>1</u>	- -					I .			
							Total	II	3925	Sft-B	
-	· · .		25.26		(l	Total A+B	Ш	6459	Sft-B	
			25.Ju 6459	×	6 29 29	Ił	1033 CH	C∰			
	•.										Μ
Dismanting and a communication of the second s			io filoo oto			8	11,174.60		%Cff		
Main Building Ground Floor		J.		2	:						
Old Emerg: Ward L		×	9	X	8 5/8			Ш	52	S#	
wc	ო	×	3 1/9	×	4 1/2			H	42	Sft	
Toilet	+	×	8/18	×	16 7/8			. 11	167	Sft	
Toilet	٢	×	6 7/8	×	8 5/8			JI.	59	Sft	
Stériiza / Cernhun Now	2	×	7 1/2	×	2/2/2			11	118	AS	
Doctor Office	r,	×	4 5/6	×	6			11	29	Str	
Old Emerg: M.Ent.	-	×	24 2/3	×	11 1/2			11	284	Stt	
Ramp		×	6	×	16 1/2			H	149	Sft	
	۲	:	2000		100				//		

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Coridoor

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159 259 259 259

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16.875 16.875

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15.375 15.375 15.375 41.000/

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O/Emerg: Record Ro

EÇG Room CMO Room

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16.875

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Ramp.

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	Main Building Ground Floor Bath	Old Emerg: Ward Ł 2 x(WC 6 x(Toilet 2 x(Toilet 2 x(Sterliza / X(Scrubup New 4 X(Doctor Room 2 x(O/Emerg: Record Ro 2 X(ECG Room 2 x(CMO Room 2 x(Coridoor 1 X				Removing cement or lime plaster.	Main Building Ground Floor	Coridoor 2 x	Emerg: Ward / ICU 4 X(~	4	Sitting area near rɛ 2 x(door with	Ground Floor			Removing windows and sky lights with chowkat	Ground Floor			Dismantling cement concrete reinforced, cleaning and straightening the same.	Salve labortary 1 x			-
	ł,		3 1/8	8/2 6	6 7/8	7 1/2	4 5/6	15.375	15.375	15.375	41.000			 : ``	aster.		41 1/4	20 7/8	•		26 1/6		•			- -	lights with c				e reinforced le same.	29 7/8	18 7/8	0/2 00	0/1 07
		÷	+	÷	+	+	+	÷	+	+	×				:		×	+	+	+	+			÷.		. *	chowkat				, separating	×	: ×	>	<
		8 5/8	4 1/2	16 7/8	8 5/8	7 7/8	Q	16.875	16.875	16.875	2					-	5	16 7/8	16 7/8	7 7/8	35 1/6											2	ŝ	~	4
	·	×	×	X(×	×(X(×(X(X(']"		3)			×	×(X(X(0		· .	. (8		÷.,	0	forcen	×	×	X	¢
Totol	+otal	5	5	сı	5	5	5	5	5ı	5		Total	Fotal A+B	0 225 BE	2,000.00			5	5	Q		Total	423.30		Total		438.00		Total	341.50	reinforcement from	0.333	0.333	0.333	
i	ul .	N	II	II	II	. II	11	n	ĩ	11	· II	i H			:		11	11	11	ß	ji] 11		· 11	· 1	۲		11	1	•	concrete,	H	11	11	
24 50	- 6612	146	229	268	155	308	108	323	323	323	205	2386	4545	80 /0	110.0/		413	755	323	308	613	2411	%Cff	38		2 2	Each	32	32	Each	ete,	20	13	14	
100	-1-15-	Sft	Sft	SĦ	SA	Sft	Sft	St	Sft	Sft	Sft		Sti		. •		SA	Sft	ŧS	SA	Ъ	- Sft		N				No	No			СĦ	CH	Cft	
														-55733-									10207				16644			10928					

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2	Dismantling bric	k work i	'n lime	ick work in lime or cement mortar.	t mort	ar.	0	18,285.70	0	%C#		8594
										•		
		80	×	2	×	3/8	×	2.5	, II	15	CH	
	·	5	×	2	×	3/8	×	2.5	11	6	CH	
		+	×	16 5/6	×	3/4	×	10.833	П	137	СĦ	
								Total	1	161	C# 	
ŝ	Cement concrete	e plain i	ncludi	ng, compa	icting,	finishing a	nd cu	4,317.45 ring com	olete (i	%Cft ncludin	bu	6951
	Screening and washing or stone aggregate):Katio 1:2:4	vasning 1-A+2-A		re aggreg: 4693	are):K	1:2:4 0-1-0 7497	l		ļ	R A	¢ C	
					< "	5		Total	F 11		5 5 	
				:			0	38, 178.90		%Cft	, 2 ⁴	22.416
0	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER branc specified size in approved design, Color and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles 600 mm x 600 mm.	ying sur approve ment p e in all i f tiles 60	oerb q ed des laster respec	uality Porc sign, Color i/c the cos of as appro	elain (and S and S t of se ved a	laying superb quality Porcelain glazed tiles flooring of MASTER branc in approved design, Color and Shade with adhesive / bond over cement plaster i/c the cost of sealer for finishing the joints i/c cutting lete in all respect as approved and directed by the Engineer Incharge ed tiles 600 mm x 600 mm.	s floor adhe ishing d by ti	ing of MA sive / bon t the joints he Engine	ISTER d over s i/c cu er Inc	<u> </u>	l of (a)	
	Qty as item No.1-A+2-A	-A+2-A							11	4692	#5	
	Door Cill	-	×	4 7/8	×	3/4			. 11	4	St	
		14	×	3 1/2	×	3/4			11	37	Stt	
		۲-	×	80	×	3/4			H	G	Sf	
		80	×	4	×	3/4	-		IJ	24	¥	
		14	×	2 1/4	×	3/4	••		_n :	- 24	Sft	
								Total	l II	4788	S#	
			т. 				0	340.55		P.Sfl		1630553
	:											
10	Providing and laying superb quality Porcelain glazed tiles skirting/ dado of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (a) Full body Glazed tiles 600 mm x 600 mm.	ving sup d size ir 2) cem complete body G	erb qu appr ent pl e in al lazed	uality Porc oved desig aster i/c th respect a tiles 600 n	elain g yn, Co e cost s appr nm x 6	lying superb quality Porcelain glazed tiles skirting/ dado of MASTF ed size in approved design, Color and Shade with adhesive / bonc 1:2) cement plaster i/c the cost of sealer for finishing the joints i/c complete in all respect as approved and directed by the Engineer I body Glazed tiles 600 mm x 600 mm.	s skirti ade v for fin direct	ing/ dado vith adhes ishing the ishing the ed by the	of MA iive / b joints Engin	IASTER bond ts i/c ineer		
	Qty as item No.1	-B			je L				× II	3925	Sft	
	Qty as item No.2	2-B	H	2386	~	2ı	×	7	II	3340	Sft	
	Qty as item No.3		II						11	2411	Sft	
	under Shelf	73	×	2	×	2	×	2.5	11	730	Sft	
		73	×	3/8	×	2 1/2		•	11	68	Sft	
								Total		10474	#0	
	Deducatioan					-		101	1	10474	10	
	Door	+	×	4 7/8	×	2			H	24	Sft	
1	- - - - - - - - - - - - - - - - 	14	×	3 1/2	×	54			11	245	Sft	•
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$\begin{bmatrix} 1 & x & 4 & x & 5 \\ 8 & x & 4 & x & 5 \\ 14 & x & 214 & x & 5 \\ 12 & x & 214 & x & 5 \\ 12 & x & 214 & x & 5 \\ 12 & x & 214 & x & 5 \\ 12 & x & 214 & x & 5 \\ 12 & x & 214 & x & 5 \\ 12 & x & 214 & x & 5 \\ 12 & x & 200 & 25 & 20 \\ 12 & x & 200 & 25 & 20 \\ 12 & x & 200 & 25 & 20 \\ 12 & x & 200 & 25 & 20 \\ 12 & x & 200 & 200 & 200 & 200 & 200 & 200 \\ 12 & x & 200 & 200 & 200 & 200 & 200 & 200 & 200 & 200 \\ 12 & x & 35 & x & 31/3 & 144 & 20 \\ 12 & x & 35 & x & 31/3 & 144 & 20 \\ 12 & x & 35 & x & 31/3 & 144 & 20 \\ 12 & x & 35 & x & 31/3 & 144 & 20 \\ 12 & x & 35 & x & 31/3 & 144 & 20 \\ 12 & x & 35 & x & 31/3 & 144 & 20 \\ 12 & x & 533 & x & 45 & 147 & 200 \\ 12 & x & 533 & x & 45 & 122 & 124 & 200 \\ 12 & x & 533 & x & 45 & 122 & 124 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 12 & x & 533 & x & 45 & 122 & 200 \\ 22 & x & 533 & x & 600 & x & 15 & 122 & 200 \\ 22 & x & 533 & x & 600 & x & 15 & 122 & 200 \\ 22 & x & 500 & x & 15 & 120 & 200 \\ 20 & x & 15 & 1 & x & 7000 & x & 15 & 120 & 200 \\ 20 & 20 & x & 15 & 1 & 200 & 200 & 200 \\ 20 & 20 & x & 15 & 1 & 1000 & 1$	
8 x	-
8 \times \mathcal{S} \mathcal{S} 4 \times \mathcal{S} \mathcal{S} 2 $1/4$ \times 6 $1/2$ 2 $2/4$ \times 6 $1/2$ 2 $2/4$ $ 6^2/6^2$ $-$ 10474 $ 6^2/6^2$ $ -$ 10474 $ 6^2/6^2$ $ -$ 10474 $ 6^2/6^2$ $ -$ 10474 $ 6^2/6^2$ $ -$ 10474 $ 6^2/6^2$ $ 2106$ $ -$	l :
8 ×	
8 x x x 4 x x x 4 x x x 2 1/4 x 6 1 2 2 1/4 x 6 1 2 1/4 x 6 1 5 2 1/4 x 6 1 1 2 1/4 x 6 1 1 9 1/0474 - 67 1 5 9 1/0474 - 67 1 5 9 1/0474 - 67 1 5 9 1/0474 - 67 1 5 9 1/0474 - 16 1 5 9 5/23 x 16 1 5 1 5 1/108 300mmx300mm - 16 1 5 3 1 5 5 5/33 x 1/1 1 5 3 1 5 5	
8 × 4 4 × 21/4 × 21/4 × 21/4 × 21/4 × 21/4 × 221/4 × 221/4 × 221/4 × 32.31/0 × 221/4 × 32.31/0 × 221/4 × 32.31/0 × 2001/0 × 2001/0 × 2001/0 × 22.22 × 23.33 × 32.000 × 32.000 × 32.333 × 32.000 × 32.333 × 32.000 × 1/1 iles) 3000mm v figlazed alumit field alumit field approve 3.333 × 3.300 × 1/2 and 1.6mm rected by the end of approve 1/2 and 1.033 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 1000 / 100	
8 4 2 1/4 2 1/4 2 1/4 2 1/4 2 1/4 2 1/4 2 1/4 7 10474 104777 104777 104777 104777 104777 104777 104777 104777 104777 104777 104777 104777 104777 104777 104777 1047777 1047777 1047777 1047777 1047777 10477777 10477777 1047777777777	
 1 × 8 × 8 × 8 × 8 × 14 × 14 × 14 × 1 ×<td></td>	
1X18X88X814X114X114X114X114X114X114X114X115X116X117X117X117X117X117X117X117X217X317X317X317X317X317X317X317X317X317X317X317X317X317X317X317X317X317X317X318X617X318X419X3110X512X313X614X315X316X317X318X4 <td></td>	
1 8 14 Providing and laying s brand of specified size over 1/2" thick (1:2) ce brands grinding completing grinding completing grinding completing and partly fixed and fixing and fixing and fixed fixed and partly fixed	
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14	<i>P/F M.S grill of design 6 nos ho labour material</i>	3/8"×3/ dfast \$:omple	8" sq b)" long te in al	ar i/c M.S M.S iron 5 I respect.	flat 3/4" 3/4"×3/4"	"x3/16" for 1 "x1/8" pain	Q. 493.05 P.S. 3/8"x3/8" sq bar i/c M.S flat 3/4"x3/16" for frame in window of approlatest 9" long M.S iron 3/4"x3/4"x1/8" painting tree coating i/c cost c complete in all respect.	dow of ∈ ting i/c ∈	P.S# approved cost of	7	254660
		13			N. A.			lī	1033	Sft	
·	Registration Area	2	×	8.000	×	Q		Î	96	St	
							Total	 <	1129	_ SĦ	1917110
							@ -506.00		P.S#		571274
15	P/F 1-1/2" thic grooves, comp instyleand rail : sawing charge and 3/8" thick r Incharge	solid fl. sssed (inder p and la(atching	ush do over 2. oroper j cquar p y wood	or compris 5mm thick pressure i oolishing tu enlipping	sing of 2 comme /c the cc 5 showt as appr	.5mm thick srcial ply ov st of nails, hegrainsof, oved and c	2" thick solid flush door comprising of 2.5mm thick Deodar /Ash /Oak ply wi compressed over 2.5mm thick commercial ply over 1" thick packing wood d rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, harge sand lacquar polishing to showt hegrainsofply properly, sand paperir thick matching wood enlipping as approved and directed by the Engineer	h /Oak acking nandles, sand p send p	h /Oak ply with acking wood iandles, glue, sand papering ie Engineer		
	Door	1	×	4 7/8	×	8 1/2		11	41	Sft	
		14	×	3 1/2	×	8 1/2		11	417	Sft	
		c	×	°0 ,	×	8 1/2		11	68	Sff	
		o	×	4	×	8 1/2	•	II	272	ŧs	
							Total	1 . 11 · .'	798	_ Sff	
16	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. window etc. (chowkat only) of 16 SWG welded with M.S. flat 6"x 11⁄4" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: a) single rebate 10.5" wide	ing M. (y) of 1 x3mm) 4" (10 and en le reba	ixing M.S. sheet hollo nly) of 16 SWG welds nx3mm) M.S. holdfas d 4" (100 mm) long in 3 and embedding hold gle rebate 10.5" wide	et hollow r 5 welded v holdfast 9" long iron l ng holdfas 5" wide	vith M.S vith M.S 'x1"x1/8 'ninges, i 't in cem	M.S. sheet hollow pressed frame of doors, of 16 SWG welded with M.S. flat 6"x 1½" x mm) M.S. holdfast 9"x1"x1/8" (225mmx25m (100 mm) long iron hinges, including filling d embedding holdfast in cement concrete 1. rebate 10.5" wide	© 678.55 set hollow pressed frame of doors, windows, 'G welded with M.S. flat 6"x 1½" x 1/8" holdfast 9"x1"x1/8" (225mmx25mmx3mm)) long iron hinges, including filling chowkat w ling holdfast in cement concrete 1:2:4, comp .5" wide	rs, C. w) t with ce nplete ii	P.Sft windows, cement e in all		541483
	Qty asi tem No. 4	46-15						Ħ	798	SĦ	
		·					Total) 11	798	_ S#	
17	Providing and fixing Aluminium glazed partition of anodized / powder coated using section of M/s. AJ-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED glass with sand bfasting and edge polishing i/c the cost of te resistance film, rubber gaskct and hardware etc. complete in all respect as approved and directed by the Engineer Inchange. (Floor hinge will be paid separately)	ing alu VCop/ ERED Ibber g he Enç	miniun Pakisti glass (glass (jaskot i jineer l	າ glazed p an Cable I with sand and hardw 'nchapge.(artition (having 2 plasting are etc. Floor hi	xing aluminium glazed partition of anodized ALCop/ Pakistan Cable having 2 mm thick I PERED glass with sand bfasting and edge ubber gasiet and hardware etc. complete i the Engineer Incharge.(Floor hinge will be	© 621.90 P.Sf King Aluminium glazed partition of anodized / powder coated using ALCop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 PERED glass with sand blasting and edge polishing i/c the cost of te rubber gaskct and hardware etc. complete in all respect as approved the Engineer Incharge. (Floor hinge will be	dated u: 048-A , the cos as app	P.Sft sing i/c 12 i/c tear roved	· · · · · · · · · · · · · · · · · · ·	496276
		٢	×	8.250	×			łI	a u	\$ 0	
		¥	×	8.250	: ×	8,333			200	in HS	
	·		××	8.250 8.250	×	/9.75 10.875		11 1	80	Sth	~
		F (1)	××	10.000 5.000	* * *	8.333 8.25		1 11 11	83 83 °	St St	
		~ ~	××	4,833 8.000	× ×	8.5 8.5		11 11	41 204	Str. Str.	
					.*	\mathbf{i}	Total		108	St.	
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<u>c)</u> 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced θď Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile of hardwares, hinges, four bolt and cutting changes' on approv with G.I box frame inside the void with 20 mm wide panel with grooves/on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on appro & directed by the Engineer Incharge chowkat frame of 29

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×
2.500
×
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II

5 S P.S.H 245 H 130.00 Total 0

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Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, complete in all respect on New surface. 6

Main Building 187.5+9.625+18+43 =258 Rff

6708 n 26 × 258.000 × 1

£

49+82.75+94.25+12.25+26.25+17+11.5+24.75+11.5+124.75+25+75+48.75 +91.75+68+48.5+71.5+25+41.5+66.5+41.5+26.25+13.25= 1096 R# Main Building

Sft		Ъ.		Sft	+23.87	St		S#	SĦS	Sft	₽₽ S	Sff	- Sti		St	ЗН	Sft	Sff	Sft	Sft	St	Sff	Sft	Sft	SH	
28509	5 RA	6595		3150	+95.875+	7973		1103	693	561	600	960	56852		420	353	24	32	252	144	35	77	47	131	18	
 11	68.5+58+10.5+11.5+25+57+68.5+32.5+38.5+25.5+30= 425.5 Rft	II		I	20.5+20+0.25+28+22+0.25+70.625+70.125+60.625+70.625+95.87 <mark>5+</mark> 23.87 5+0.25+15.333= 498.333 Rft	11	·	41	II .	11	11	H	Total = _		11	II	· 11	II :	11	13	II 	11	11	H	11	
	+38.5+25.5	·			.125+60.6		1. 						To													
26	58.5+32.5+	15.5	5 Rft	25.25	70.625+70	16	5 Rtt	12	11	11	12	12			9	9	4	4	9	4.5	2.875	5.5	7.875	7.25	ი	
×	+22+(×	124.7	×	0.25+7 33 Rft	×	1.875	×	×	×	×	×			×	×	×	×	×	×	×	×	×	×	[*] ×*	
1096.500	5+11.5+25	425.500	54.125+43+18+9.625= 124.75 Rft	124.75	20.5+20+0.25+28+22+0.25+ 5+0.25+15.333= 498.333 Rft	498.333	28.25+28.25+35.375= 91.875 Rft	91.875	31.500	25.500	50,000	80.000			5.833	5.875	3.000	8.000	6.000	8.000	6.000	3.500	2.000	6.000	6.000	
×	8+10.5	×	+43+1	×	0+0.25 +15.33	×	28.25+	×	×	×	×	×	°.		×	×	×	×	×	×	×	×	×	×	×	
+	68.5+5	1	54.125	-	20.5+2(5+0.25	1	28.25+;	*	ŝ	2	-	٢		:	12	10	N		2	4	2	4	ကို	က်	***	
			New Building	<i>i</i>	New Emergency ward			Mumty	El Room					Deducation	Window	Ground Floor										

				•								
	• • •	2	×	3.500	×	3.5			11	25	Sf	
	First Floor	12	×	5.875	×	9			II	423	Sft	
		2	×	6.000	×	7.5			IJ	90	Sft	
		80	×	9.000	×	4.5			H	324	Sft	
								Total	1	2395	- S#	
·					·		(in vet	5	54457	Sft	1048542
Ċ			:	. :			9)	9,440.U	5	NS%		205645 3
20	Preparing surface and painting with emulsion paint:- 2 coat on	and p	ainting	with emu	lsion p	aint:- 2 c	oat or	ı old surface.	ace.			-
	Qty as item No.1-A	4							11	2534	Sft	
	Qty as item No.3		-	2411	~	с,	×	2	łI	3376	Sft	
		è						Total	IE	-0-	75 gu	
	GZ D/(7	duuado %cz	buiud	robs				Net		4477/0	Hedist.	
	Take 60% without scraping	scrapi	'ng	4432	×	%09	II .	2659	St	200		61836)
· · ·	Take 40% after so	scraping		4482	×	40%	@ ମ ାଁ	2,034.65	5 Sff	%Sff		-54110
							0	2,339.40	0	%Sft		41477
21	Providing and applying wall putty of 2mm thicknessover plastered surface surface surface) to prepare the surface even and smooth complete in all respect. Qty as item No.1-A	lying v e the s \	vall pui urface	tty of 2mn even ano	n thicku I smoo	ressover th comple	plaste ete in	ered surf all respe	ace (new ct.	Me State	ts (anter &
			5.7 1.2				0	233.60	:	%Sft		10354
22	Providing and fixing auotomatic hydrauli coperated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge	g auot pect au	omatic s appr	ixing auotomatic hydrauli coperated door closer imported he respect as approved and directed by the Engineer Incharge	copers directe	ated door of by the	close. Engin	r importe eer Inchi	ad heav arge	•		كركوكا وا
		•) _t		ll C	2542 2423	No	
					-	4, 1 .		Total	1	24		
		15 41 14		and a second of the	•		8	2,932.00		Each		70368
23	Providing and laying 3/4" thick fullwidth Prepolished Marble slab for Vanities / Shelves /Treads Mindow Cills, having Uniform texture (Spotless) with adhesive bond over 3/4 thick (1:2) cement sand mortor i/c the cost of matching sealer complete in al Irespects as approved and directed by the Engineer Incharge China Verona.	ng 3/4" Dills, hi sand n lirectec	thick aving t nortor 1 by th	fullwidth F Jniform te i/c the cos e Enginee	Prepolic Xture (st of m or Inchi	shed Mar Spotless, atching s arge Chir	ble slé) with ealer na Ver	ab for Va adhesive complete ona.	bond e bond e in al lr	Shelves over 3/4" espects) *))
	Shelf labortary	1	×	25 3/4	X	₽	-	- - 		52	SĦ	
		N	×	16 3/4	×	N			łi	67	Sft	
	Dark Room	- C	× >	20 7/8	× :	N (II	42	S#	
	Store	ົ່	×. :		×	N			11	42	Sff	
. *	otore Maiting area	N C	×_>	0// 01	× :				lt	68	SĦ	
	new wash room	4 1	<	0/1 N2	××	N 0			11 - 1	84 45	5, S	
	nursing counter	1	~ ×	9 7/8	: ×	1	- 		#	20	ずあ	
		2	×	14	×	~			11	56	Sft	
		N i	×	5 1/2	×	2]}	22	Sft	
		• •							4	•	- 	
		× .								·. ·		

Page 62

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	Step O/Emerg:	ო	×	15 2/3	×	+			11	47	Sff		
		. 67	>	15 2/3	. >	C/ F			1	Č	ž		
		S	×	C/7 C1	×	711			11 -	24	HS HS		
		۲- ۱	×	7 1/4	×	4			11	29	Sft		
		~	×	5 3/4	×	1 1/3			8	8	Sft		
	<i>.</i> -							Total	1	576	Sft		
				·			(-		
				. •			0	412.35		P.S#		237514	
24	Pacca brick work	(1:6) 0	cement	sand mortar in		Ground Fi	Floor.						
		2	×	2J	×	1 1/8	×	8.5	11	96	СĦ		
		2	×	80	×	1 1/8	×	2.5	. H	45	Cff		
				۰ <u>،</u>				Total	1	141	C#	• •	
						۰.							
			•				0	30, 793.35		%C#		43419	_
25	Pacca brick work	(1:4) cı	ement	sand mortal	'n	Bround Fl	Floor.						
	New bath	11 11 12 12 12 12 12 12	×	7 5/6	×	3/8	×	~	H.	21	CĦ		
		73	×	N	×	3/8	×	2.75	B ~	151	CH	·	
	Nursing counter	N 7	×	4	×	3/8	×	რ	H -	6	C#		
		2	×	1 3/4	×	3/8	×	1.333	II	2	Ğ		
		-	×	6 1/4	×	3/8	×	ŝ	11	~	СĦ		
								Total		190	C#		
		. 1					0	32,464.10		%Cff		61682	
26	Reinforced cemen structural member	it conci s laid i	rete in citur	roof slab,	beams beams	, column	imns lintels,	els, girders	s and	and other			
	in situ, complete ir	a all res	ll respects:	all respects:-Type C (Nominal Mix 1:	(Nominal Mix	position, al Mix 1:2	01 pre	ur presuessed :4)	mem	members.cast			
	Shelf labortary	7 -1	×	25 3/4	×	2	×	0.25	н	,13	CH		
	i i i	ର -	×	16 3/4	×	~	×	0.25	11	17	CH		
	Blood Bank Dark Room	- r	×	20 7/8 7	××	N C	×	0.25	31	10	G.	•	
	Store		<	16 7/R	×	N O	×	0.20	- 1		5.8		
	Waiting area	2	: ×	20 7/8	××	1 N	<	0.25	1 0	24	55		
	new wash room	1	×	7 1/2	×	2	×	0.25	IF	4	CH		
	nursing counter	۱	×	9 7/8	×	2	×	0.25	13	5	Сff		
		(N C	× >	14 5 4 6	×	N	×	0.25	11	14	СĦ	•	
		4 -	<	2/1/2	×	N 4	× >	0.20 0.25	11 1	۲ Q	58		
		1	×	5 3/4	×	1 1/3	: ×	0.25	H	~ ~	55		
			<i>4</i> ,			. 5			ļ				
				· .		1 L		Total	11.	127	C#		
		۰.	а. "s				8	556.50		P.Cft	ан .	70676	
27	Fabrication of mild	steel H	Reinfor	cement co	ement (concrete	i/c cu	i/c cutting bending	ling la	laying in			
		. •	÷.										
	uty as item No.28			127	×* *.	6.75	×	0.454	Ħ	389	Kg	· .	
			2 2		'γ								
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			·				Total	11	389	Kg	·
Ċ				- -		0	31,394.70		%Kg		122125
28	Cement plaster 3/	3/8" thic	k und	thick under soffit of RCC		slab (1:3) upto 20' height	20' height.			. •	
	Coridoor	۱ ۲	×	57.125	×	7.875		11	450	Sft	
	Record Room	٠ ۲	×	15.375	×	16.875		1	259	Sft	
-	ECG Room	≁-	×	15.375	×	16.875		11	259	Sft	
	CMO Room	۲-	×	15.375	×	16.875		11	259	Sft	
	Proposed Icu	-	×	20.875	×	16.875		11	352	Sft	
	Doctor Room	t	×	15.375	×	16.875		11	259	Sft	-
	Emerg: ward	-	×	20.875	×	16.875		11	352	Sf	
							Total	 11	2190	Sff	
	•					6	0 2 0 C C				01010
29	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain l steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless ste 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 stainles steel welding, fixing & polishing complete i respects as approved and directed by the Engineer Incharde	ng 2'-9 ailing c @ 2-1 @ 2-1 , 3-Nc tical p ved at	2'-9" high s ing of 18 SV Q 2-ft c/c fix 3-Nos diagc cal post, i/c	stair railing SWG weldec xed on altei fonal stainle c stainles st octed by the	g com ed with ernate less st steel w e Enai	 %S#t nigh stair railing comprising of non magnetic (304) Stain les ling of 18 SWG welded with vertical posts of 2" dia stainless steel 2-ft c/c fixed on alternate steps with 3" long steel screws and 3-Nos diagonal stainless steel pipes of 1/2" dia passes through lical post, i/c stainless steel welding, fixing & polishing complete in ed and directed by the Engineer Incharce. 	3,708.60 %Sh magnetic (304) Stain le s of 2" dia stainless stee long steel screws and 2" dia passes through 2" dia passes through	04) St ainles: crews es thrc comple	%S#t ain less s steel and nugh ste in all		81218
	Old Emergency Ramp	ame			et i	2x16.5			43 UU	4 <u>0</u>	
	Old Emergency Ramp	dme				1x23.5		11.	23.50	Rff	
				·			Total	.] 11	56.50	Rft	
			17 17 17)				÷	
30	Providing and fixing Vin board cabinet 3/4" thick with drawers 3" deep in Kitchen including termite proofing and polishing or painting with synthetic enamel as specified, with handles, hinges, screws etc., complete in all respects. 1-1/2' deep with out back.	g Vin roofin es, sci	'in board fing and _I screws e	cabinet 3/ polishing c tc., comple	4" thic or pain ete in a	© 1,775.10 d cabinet 3/4" thick with drawers 3" deep in Kit l polishing or painting with synthetic enamel as etc., complete in all respects. 1-1/2' deep with	1,775.10 P 3" deep in Kitchen etic enamel as spec 1/2' deep with out b	Kitche I as sp ith our	P.R# chen s specified, out back.		100293
	Shelf labortary		: ×	25 3/4	×	ŝ		11	52	S#	
		N	×	16 3/4	×	2		11 ·	67	Sff	
	Blood Bank	•	×	20 7/8	×	2		II [.]	42	Sff	
	Dark Room	ი ი	×	7	×	2		ŧI	42	SĦ	
	Store	N (×	16 7/8	×	2		ŧI.	68	Sft	
	walling area		×	20 //8	×	2		11	84	Sft	
	nursing counter	- +	× >	0/L /	× ;	2		11	15	S#	
		- ^	< >	9 1/0 14	× >	л с		fi	20	SH	
		י א	< ×	5 1/2	< ['] ×	N (N		11 13	0, 0	5	
		-	×	21	×	2 1/2		17 ·	53	55	
			į.				Total	 	521	#2;	
						•				5	
31	Providina and fixina	a 22-5	/ 5M	22-SWG /12X12 G I mire		© Mach and ever	878.10 mdad moto	, I diav	P.Sf		457490
	eve ve	~~ C ·	duly aces (2 ft C/ 2 ft C/ Dy the	- O Y	ariu exi 1"x1/8" & verti narge	oarided metal (diamond on M.S angle iron frame cally i/c the cost of m	netal (diar ingle iron f the cost (mond frame of matt		
	New grill	- N	×	8	×	Q		: 11	96	Sħ	
				: .	÷		Total		96	Sff	
						0	493.00	,	P.Stl	·	47328
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32	Providing and corner and 0.5 strips with ex Engineer Inch	/2" Sta d at ed old/(do	inless ' lges du uble s	Steel 14 ly pasteo ided Ta	fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled 3 mm bend at edges duly pasted with premium grade self-adhesive glue ccellent hold/(double sided Tape) as approved and directed by the arge.	ner Gu nium g provec	ard angl rade seli 1 and d	rd angle with beve ide self-adhesive and directed by	bevelled ive glue by the		
	99 m			: 				Ш	600	Rft	
33	Preparing surface surface.	paintír	ng of l	Doors &	and painting of Doors & Windows	@ any	Total 455.00 type 3	=	600 P.R# on New	R	273000
	Qty as item No. 16		798	×	N			Т <u>′</u>	4296 4596	Sft	
						8	Total = 2,714.40 %	1 80	1596 7596 %Sit	- S#	4932 X/102
*	<u>D/D COST OF OLD MATERIAL</u> Door (Solid Flush Door) Qty as item No.4 =	<u>=</u>	38	No	5000	Each	· _	ſ	Total 190000	1 10	146191
*	Windows (Box Section) Qty as item No.5	N	32	No	cool	Each		1 2 23 14	22 400 0 208000 208000	()	
	SUB ENERGEER		E N		SUB DIVISIONAL OFFICER BUILDINGS SUB DIVISION TOBA TEK SINGH		R S Q	S	Say Rs	3 - - - - - - - - - -	noisin 1256
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		PUBLIC HEALTH PORTION (Revamping of Old	ig of Olc	ᄪ	Emergency Ward)	(p
				(Based or	(Based on 2nd Bi-annual 2022)	1ual 2022)
-	÷	P/F, glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured.	8 No.	2458.35	Each	19667 /-
		Providing and fitting one piece Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) <i>i/c</i> the cost of CP /rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge	1 No.	19987.90	e B B	19988 /-
	5.	Providing and fitting glazed earthen ware wash hand hasin full size white podietal	7 No.	5169.95	Each	36190 /-
	ů.	P/F, Plastic made low down flushing cistern 13,63 litres (3 glns) capacity, i/c bracket set, copper connection coloured (Faisal made 4201 Nigra Flush Tank Plastic)	8 No.	2649.35	Each Each	21195 /-
	<u>.</u> स	P/F, C.P tee stop cock 1/2"dia.	20 No.	955.00	Each	19100 /-
	ç.	P/F, P trap 4"dia glazed.	10 No.	283.15	Each	2832 /-
	e.	P/F C.P bib cock 1/2" dia.	10 No.	775.00	Each	7750 /-
	N	P/F plastic Muslim toilet Shower 1/2" dia i/c double bibcock with flexible pipe best quality complete in all respect (Master made model 2015 muslim shower 242A double bibcock).	9 No.	2212.00	Each Each	19908 /-
	 ເວັ	P/F Poly Propylene Random Copolymer (PPRC) Pipe (Dadex / Beta / BBJ) PN-20 pipe. 25 mm	700 Rft	66.50	P-Rft	46550 /-
	ц.	-do- PN-20 pipe, 32mm	400 Rft	106.90	P-Rft	42760 /-
	0	Providing, fixing, testing and commissioning of UPVC (Unplasticized poly vinyi Chloride) Nikasi	300 Rft	260.60	P.Rft	78180 /-
		/waste pipe make of dadex / Popular / Beta /BB Jplain / socket end edconforming to code EN- 1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved				
	•	cted by the 5/SN-8) 110 n				
	:=	_do60 mm.	100 Rft	88.90	P.Rft	8890 /-
	10.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	7 No.	2228.75	Each	15601 /-
	÷	Providing and fixing, CB flushing bend 1 1/2"	10 No.	700.00	ца Ш	-/ 0002
	:	A second state and the second s		: • •	Pag	Page 26 of 46

68400 /-5436 /-1717000 /-19 2 00 2136447 1-24364007 Division 419400 Page 27 of 46 H.Job Ĕach **E**ach 03 1 173 Say Rs = 7600.00 1717000 603.95 Total = Sub Divisional Officer Buildings Sub Division Toba Tek Singh 9 No. 9 No. d P Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass *i/c* the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- (4"x3") Boring for 1/2 Cusic turbine complete in all respects (Detail Attached) (P.H) (2) 12, 13. 14.

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Direct Rotary/Reverse Rotary drilling of bore for tul all types of soil except shingle, gravel and rock (fr level to 250 ft. (75 m) below ground level:- 15" to 18" dia = 250 Rft Providing and installing M.S. Bail plug in tubewell 6" dia 2' long 1 No Providing and installing, brass strainer in tubewell including sockets, special sockets, studs, etc. com 6" i/d, 3/16" thi = 80 Rft Providing and installing M.S. blind pipe socketect M.S. reducer (where necessary), in tubewell including jointing/welding with strainer, etc.comple	wells, in	_	
15" to 18" dia = 250 Rft Providing and installing M.S. 6" dia 2' long and installing, bras including sockets, special so 6" i/d, 3/16" thi = 80 Rft Providing and installing M.S. M.S. reducer (where nece including jointing/welding wi			
Providing and installing M.S. 6" dia 2' long and installing, bras including sockets, special so 6" i/d, 3/16" thi = 80 kft Providing and installing M.S. M.S. reducer (where nece including jointing/welding wi	@ Rs. 770.65	P-Rft Rs.	192662.50
6" dia 2' long T No Providing and installing, bras including sockets, special so 6" i/d, 3/16" thi = 80 Rft Providing and installing M.S. M.S. reducer (where nece including jointing/welding wi	re hole		
Providing and installing, bras including sockets, special so 6" i/d, 3/16" thi = 80 Rt Providing and installing M.S. M.S. reducer (where nece including jointing/welding wi	@ Rs. /3,751.90	Each Rs.	3752.00
6" i/d, 3/16" thi = 80 Rft Providing and installing M.S. M.S. reducer (where nece including jointing/welding wi	ore hole, ete:-		
Providing and installing M.S. M.S. reducer (where nece including jointing/welding wi	@ Rs. 6,828.10	P-Rft Rs.	546248.00
	ed joint, e hole,		
i) 12" dia 1/4" thi = 120 Rft 🛛 🕹	@ Rs. 4,724.15	P-Rft Rs.	566898.00
ii) 6" i/d, 3/16" thi = 50 Rft	@ Rs. 2,321.05	P-Rft Rs.	116053.00
Shrouding with graded pea gravel 3/8" to 1/8" around tubewell in bore hole.	l tubewell		
	441 Cft 135 Cft		
Net Total =	900		
6. Testing and developing of tubewell of size 6" i/d and above continuously.	above	ч Ч С Щ Ц Ц Ц	44461.80
upto 1.5 c.s. discharge = 72 Hours 7. Furnishing sample of water from bore hole.	@ Rs. 3,403.50	P-Hur Rs.	245484.00
	@ Rs. 183.95	P-Set Rs.	1104.00
		Total: Rs.	1716663
		Say Rs.	21212000
			•• •
Buildings Sub Division Division, Toba Tek Singh.	Executive Englishing Eviloan Tek Sir	igineer, vision, ingh.	
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ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL GOJRA (ADP NO.660 FOR THE YEAR 2022-23).

GENERAL ABSTACT OF COST (Revamping of Ward Ground Floor)

	LOBA JEK SINGH BUILDINGS DIVISION EXECUTIVE ENGINEER		EULEDINGS SUB DIVISION BUILDINGS SUB DIVISION TOBA TEK SINGH	and the service	
1 ages	(12) a ortstot 00348601	IstoT			
	410500		۲۲	РОВLIС НЕАLTH РОRТЮР	5
	SH(1 99979201 2000 200527090 2005291		d Floor	Revamping of Ward Groun	L
Remarks	As per Rough Cost		Description		Sr. No.

Dismantling P.C.C 1:2:4 24 Bedded ward Coon: 1	Revamping of V 1/2" thick. 77 1/6 x	Vard Groun 7 7/8	d Floor	11	608	5
4 4 4 × × :	7/8 ×	16 2/3 16 7/8 -		11 11	1400 667	5 5 S
	× ×	~ ~		11 11	474	ts ts
	9 1/2 × 8	φœ		11 13	76 128	ts St
	× ×	18 1/2 1 2		11 1	148 06	#S #S
		12		IJ	210	ы ₩S
	1/2 x	18 3/5		II	456	Sft
		4 4		li i	392	S#
1 X 26	26 1/4 X 45 X	4 4		i))I	105 180	ts ts
		4		н	84	S#
2 x 26	26 3/4 x ,	4		II	214	Sft
1 × 32	×	4		· II · ·	128	Sft
S	6072 x	e-125 =	Total 250	U B	6072	Sft-A
Dismantling glazed or ghcaustic tiles, etc.	ss, efc.	0	11, 174.60		%Cff	
×	×	4		11	80	S#
9/26 × 1-	× ×	9 7/8 4		IF I	86 80	Sft Sat
×		2 7/8		1	28	is #S
×	×	2		11	A.	Sft
	×	5		u	29	S#
1 x 97/8	× ×	9 6 1/8		1 1	93 90	55
	×	5 3/8		H .	18	S#
Main Building Ground Floor Rath			Fotal		403	_
	+	4)X	5	11	360	Sff
2 x(9.7/8	+	9 7/8)x	S	II	198	Sfi
4 X(5	+	4)x	5	=	180	Sft
2 x(9 7/8	+	2 7/8)x	5	IJ	128	Sff
	÷	5)x	S.	H	244	Sft
	+	5)x	2	·II	158	Sth
2 x(10	10 3/8 + 6	д)x	5	II	194	SĦ
2 x(9	9 + 8/2 6	6 1/8)x	ŝ	11	160	Sft
	3 3/8 + 5	5 3/8) _X	2	11	88	Sft
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I	• • •		м. Фел				0	2,335.85		%Sħ		37876 - 51400-
ო	Removing ceme	ient or lii	or lime plaster.	ster.		<					• • •	
	Main Building Gro	ound Floor				: 		I				
	24 Bedded ward C	N)x	11 108	+	7 7/8	×	S	II	850	Sft	
	Ward	8	×	12	+	16 2/3	×(С ^и	"	1507	St	
-	Narse station/ Single bed ward	CO .	, F	<u> 9 7/8</u>	+	16 7/8	X(s V	$\sum_{i=1}^{n}$	1070	Sth	
\searrow	M.Store Passage	2	×	67 3/4	+	7	×(10	11	748	ts.	
	Store	~)x	9 1/2	+	80	X	s v	H	175	Sft	
	Store	4)x	80	+	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\×́	5	11	320	Str	
	Store	2)x	80	+	18 1/2	×(с ^л	H	265	S#S	
	Store	2)x	со СО). ř	12	×	с,	N	200 200	Sf	
	Store	2)x	17 112	+	12	×	S	ų	295	Sft	
¥.	Store	2)×	24 1/2	+	18 3/5	×	- uz	11	431	Ъ	•.
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				· -		· .	-	Total	1	5860	Sft	1
			ų ·				0	423.30		%Cft		24800
4	Removing door v	with chowkat	owkat.			·)	i				
	•.		· ;	141 -					B -	37	No	
	·					·** _ 		Total		37	, N	
		<i>е</i> н,	• ·	·						5	2	·
5	Removing windo	lows and	l sky lig	sky lights with chowkat	howkat.		8	438.00		Each		16206
									11 - ²	33	No	
					·		[*] .*	Total	 1	33 °	No	
		•					0	341 50		Each	·	07011
							3	00.140				112/0
Q	Cement concrete plain including, compacting, finishing	e plain	includir of ator	ig, compa	cting, fil	nishing a	nd cu	and curing complete (includi	ete (ir	cluding		
	Oty as item No.1-A+2-A	1-A+2-₽		6565 x 6	x X	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1		12	82/	Cff	
·		-						Total	ļ	120	ŧ	
									1 - 1		Š	313498
							8	38,178.90		%Cff	·	448441
N	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand specified size in approved design, Color and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed files 600 mm × 600 mm	/ing su approv ment p e in all	perb qu ed des laster i respec	iality Porcign, Color /c the cost t as appro	elain gla and Sh t of seal ved and	azed tiles ade with ler for fini d directed	floori adhes shing I by th	ng of MAS sive / bonc the joints ie Enginee	STER over i/c cut	brand of ting arge (a)	<u>с</u> . е	
	Qty as item No.1	u				n de F			11	6565	£#S	
	Door Cill	6	×	4	×	3/4			н	27	#5	-
		80	×	3 1/2	×	3/4		.". 2	11	54	SH SH	
		Q	×	с С	×	3/4			11	14	Sft	
		4	×	2 1/4	×	3/4	. 1	•	1 1	24	Sft	
		•					•	Total	.	6651	Sft	
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	Deducation						0	340.55		P.S#		2264998
8	Providing and laying superb quality Porcelain glazed ti brand of specified size in approved design, Color and over 1/2" thick (1:2) cement plaster i/c the cost of seak over ting grinding complete in all respect as approved ar Incharge (a) Full body Glazed tiles 600 mm x 600 mm.	ing su 1 size 2) cer omple body (perb q in appu nent p te in au Slazed	g and laying superb quality Porcelain glazed tiles skirting/ dado of MASTE specified size in approved design, Color and Shade with adhesive / bond "thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c rinding complete in all respect as approved and directed by the Engineer (a) Full body Glazed tiles 600 mm x 600 mm.	celain (ign, Cc he cos as app mm x (glazed tile Nor and S t of sealer roved anc 500 mm.	s skirt hade w for fin direct	ing/ dado <i>ith adhes</i> ishing the ed by the	of MA iive / b joints Engin	STER ond i/c eer		
	Qty as item No.2-B	ф.	11	1708	~	2	×	7	H	2391	Sft	
	Qty as item No.3		11			·			11	5860	15 45th 56	20
	Deducatioan							Total	11	8254	Sft	•
		14	×	2 1/4	×	2			Ħ	221	SA	
				201				Total LAST	18	221	St	
		Net	II	8251	I.	221	"@		SĦ	P.Sf		-2734503-
)			. <u></u>	Z	N
	frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm ($2^{x}3^{4}$ "), δ of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer incluance.	x 20 r ss incl tandar 7	nm (4" uding d latch X	x¾") and 5 mm thicl ies, hardw 6.000	leaf fra k impo are ett x	me section rted tintec 2., as app. 6	ns of t glass roved l	50 x 20 m with rubb by the Eng	m (2"x er gas jineer =	%"), all ket in- 252	\$.	
		. O	: ×	3.500	< ×	5.5				116	5	-
		2	×	3.500	×	3.5			П	25	SĦ	-
	•	2	×	6.000	×	2.833			11	34	St	
		ຕິ	×	7.250	×	ġ			11	131	Sft	
	•	ო ო	×	2.000	×	7.833	-		л Л	47	Sft	
		- 0	×. >	0.000	× >	N U		."	If	18	њ.	
	•	14	<	8.000	< ×	0 5 5			1 11	8U 144	5	
		N .	× ×	6.000	×	2.8333			IJ	34	ts ts	
		-	×	6.000	×	7.25			11	44	Sff	
								Total	1	925	- S#	(- -
			<i>.</i>				57	577.85 1248-20	l	40 0	2	456-10-2
10	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gu (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour /powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge.complete in all res	ng Alun alum size 1 iroved	minum inum fi 1-1/2"x and d	xing Aluminum Fly screen comprising of Fiber / Aluminum wire gua I in aluminum frame of approved manufacturer brownze Colour of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Ipproved and directed by the engineer incharge.complete in all resp	n com oprove . 6mm the en	screen comprising of Fiber / s of approved manufacturer and 1.6mm thick with rubbe ed by the engineer incharge	Fiber / Sturer I rubbei	Aluminum wire guaz Aluminum wire guaz prownze Colour gasket i/c cost of complete in all respe	m wire Colour C cost in all i	r.on guaze of respect.	· . · · · .	12412/1
	Qty as item No.8			925	~	3			-11	463	St	
				-				Total	1	463	- SĦ	
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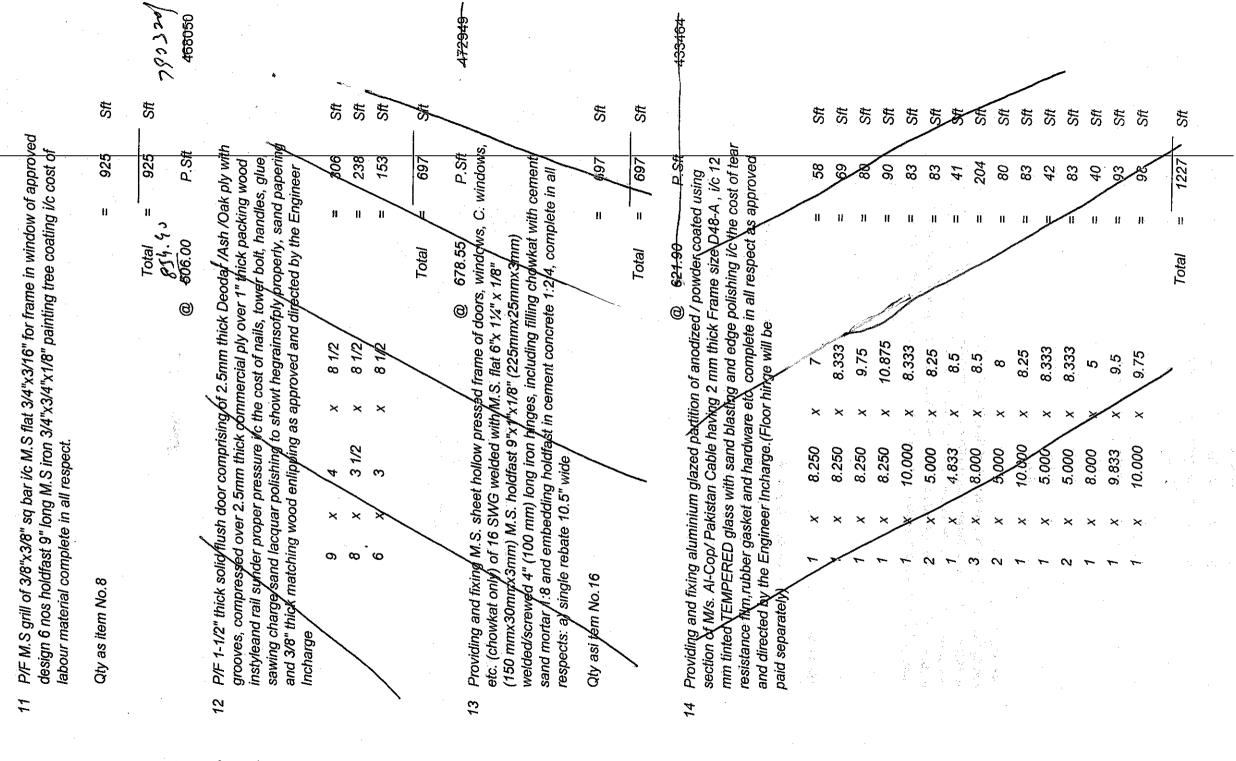
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15	Providing and ,chowkat fram with G.I box fr sides <i>i/</i> C the c & directed by	<u>с</u> , е п	Openable door Ommx64mm an Side the void v sidee the void v gineer Incharge		mprisin af frafr 20 mn 5, four b	(0 V S T	n thick ix 106/ inel win utting	f 3mm thick UPVC h 80 mmx106/mm both c ide panel with grooves and cutting changes	: hollow h duly r es on t is on a	ollow profile tuly reinforced to n both on approved	d	y. Seled
		14	×	2.500	×	2			11	245	SĦ	
								Total	ł	245	- Sf	45864=
	· .				•		8	00.000 1690.00	.	P.Sf		,22655 0 2 7685 0
16	Preparing surface and painting with emulsion paint:- 2 coat on old surface	ice and pi	ainting	with emu	Ilsion p	aint:- 2 cc	at on (old surf:	ace.		·	
		.1-A				5			H	6072	Stt	
	Qty as item No	မ		5860	~	ΓLζ	×	7	11	8204 8204	Sft	
·		D/d 25% opening		· \				Total	40°1	10-20-1 -14276	8 8	
	Take 60% without scraping	out scrapi	o o	227 4 Sz1	×	<i>60%</i>	11	Net 735	35		Sft-A	105651
	Take 40% after	scraping		1224)	: ×	40%	94	2,034.65898	5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	%Sft		130742
			100 101 101 101		‹	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		2,339.40	2	%Sft		100199
17	Providing and applying wall putty of 2mm thicknessover plastered surface surface) to prepare the surface even and smooth complete in all respect. Otv as item No. 1-A	applying w oare the s 1-A	vall put urface	ty of 2mn even anc	r thickn f smoot	wall putty of 2mm thicknessover plastered surfact surface even and smooth complete in all respect.	olaster te in a	ed surfe II respec	. E	122 4 T		log chil
		-							₽. II -	in line	HO -	7020 -
							0	233.60		%S#	т., х	-000 -25012
18	Providing and fixing auotomatic hydrauli coperated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge $\frac{77}{-23}$	Tixing auotomatic hydrauli coperated door closer imported he respect as approved and directed by the Engineer Incharge =	omatic s appro	hydrauli oved and	copera directe	ted door (d by the E	closer . Engine	importe er Incha	d heav) Irge =	/ duty 37 -23	No	
							: : :	Total	 	\$2	No	
19	$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j$	aying 3/4" w Cills, hé ent sand n	thick f aving U nortor I	ullwidth F Inform te Vc the cos	Prepolis Xture (\ st of me	thed Mart Spotless) atching se	© 2 le slab with ac	2,932.00 ab for Var adhesive complete	nities / nities / bond c in al Irr	S7 Each Shelves over 3/4" respects	- -	10 84 89 -67436
an a								D				
		6	<	0.000 3.500	× ×	0.75	2	• •	li n	8 4	ŧs ŧ	
· .		2	×	3.500	×	0.75			I	<u>ç - 1</u> 9	S#	
		N	×	6.000	×	0.75		· .			Sft	
·		ო ო	×××	7.250 2.000	× ×	0.75			11 · i	<u> </u>	54 84	
		•	×	6.000	: ×	<u> </u>	- 		1 H) k)	is is	
			×	8.000	X	0.75			ľ	2	SĦ	
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1.Q	136 276	velled 9 glue y the	500 500 - Rft	94 A Cew		2000	500 tal	s S			 ·
	1-100 C.	th be hesive ted b	500 500 P.R	- ++	Tota	-21450	41600000	Say F			
łI	11	gle wi elf-adi direci		3 coats			4160				
	Total 412.35	ard an ade s and	Total 455.00	type 3 Total	د, / / 4.40	94. 194		£ >	,		
	8	ər Gua um gr iroved	6)	>		Each		DIVISION NGH			
2		Come premi s app				00					
6	1. s	SWG d with pe) a		Wind 2	5000	7000		SUB DIVISIONAL OFFICER BUILDINGS SUB DIVISION TOBA TEK SINGH			
. ×		el 14 paste èd Ta		ors & ×	No	No					
6.000	• • •	Providing and fixing 2"X2" Stainless Steel 14 SWG Comer Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.		and painting of Doors & Windows 94L -697 x 2	37	33		SUB. BUIL			
9		stainle edges doubl		nting of 94/ -697		- - - -		н. На Ар			
×	*.	"X2" S ind at hold/(d pai	TERL/	<u>(</u>					
-		xing 2 mm b∈ ∍llent qe.	е.,	-	D MA 001)	(noi					
		and fi 1 0.8 r n exce nchar		surfa n No.1	<mark>OF OI</mark> Flush I No.4	ox Sect No.5		NEER .			
		Providing and corner and 0.6 strips with ex Engineer Incha		Preparing surface surface. Qty as item No. 16	<u>D/D COST OF OLD MATERIAL</u> Door (Solid Flush Door) Qty as item No.4 =	Windows (Box Section) Qty as item No.5		A STO			
				Preparir surface. Qty as i	D/D Door Qty a	Wind Qty a		SUB ENGINEER		-	
		20	. •	21	*	*				•	

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		rublic HEALIH PORIION (Revamping of Ward Ground Floor) (Based on 2nd Bi-annu	ing of W	ard Grou (Based or	d Ground Floor) (Based on 2hd Bi-annual 2022)) Jai 2022)
	÷	P/F, glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.	11 No.	2458.35	Each	27042 /-
	=	Providing and fitting one piece Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) <i>i/c</i> the cost of CP /rubber connection, thimble, normal seat cover and rawal botts complete in all respects as approved and directed by the Engineer Incharge	1 No.	19987.90	H H H	19988 /-
	N N	Providing and fitting glazed earthen ware wash hand basin full size white pedistal. P/F, Plastic made low down flushing cistern 13,63 litres (3 glns) capacity, i/c bracket set, copper connection coloured (Faisal made 4201 Ninra Flush Tank Diastic)	6 No. 11 No.	5169.95 2649.35	표ach 편ach	31020 /- 29143 /-
	4	P/F, C. P tee stop cock 1/2"dia.	14 No.	955.00	Each	13370 /-
	ż	P/F, P trap 4"dia glazed.	16 No.	283.15	Each	4530 /-
	.9	P/F C.P bib cock 1/2" dia.	14 No.	775.00	Each	10850 /-
	2	P/F plastic Muslim toilet Shower 1/2" dia i/c double bibcock with flexible pipe best quality complete in all respect (Master made model 2015 muslim shower 242A double bibcock).	12 No.	2212.00	Each	26544 /-
	 80	P/F Poly Propylene Random Copolymer (PPRC) Pipe (Dadex / Beta / BBJ) PN-20 pipe. 25 mm	600 Rft	66.50	P-Rft	39900 /-
a	:=	-do- PN-20 nine 32mm				- -
	:	5	300 Rft	106.90	P-Rft	32070 /-
		Providing, fixing, testing and commissioning of UPVC (Unplasticized poly vinyl Chloride) Nikasi /waste pipe make of dadex / Popular / Beta /BB Jplain / socket end edconforming 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 Type (SDR 32.5/SN-8) 110 mm	200 Rft	260.60	P.R.t	52120 /-
	:==	_do_60 mm.	100 Rft	88.90	P Rft	-1 0880
	10.	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	6 No.	2228.75	Each	13373 /-
	¥	Providing and fixing CB flushing bend 1 1/2"	11 No	700.00	Each	-/ 0022
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	e ^{***}	 A strategy of the strategy second strategy of the strategy second strategy of the strategy second strategy of the strategy of the		.*	Page	Page 28 of 46
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	Each	· · · ·	ас н Ш				•		·		
· .	7600.00		603.95	Total	Say Rs =	1					
	12 No.		4 No.			Sub Division Buildings Sub Division Toba Tek Singh				÷ .	
	oom Accessories (7-	One soap dish, One 3, brush holder, toilet lass <i>i/</i> c the cost of in all respect as e Engineer incharge.	J and fixing, floor trap of cast iron, concrete chamber all round, and C.I. (4"x3")	. •		Buildings Toba					(P.H) (3)
	Providing and fixing Bathro	One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass <i>i/c</i> the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	Providing and fixing, floor including concrete chambe grating:- (4"x3")			A Marine Contraction					
	 -		1 . 1.								
			F								
		a	A. 3'			÷• • •	0			D	

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ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL GOJRA (ADP NO.660 FOR THE YEAR 2022-23).

ABSTACT OF COST (Revamping of O.T (FIRST FLOOR)

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	00982575	Тота	
	009291		5
<u>.</u>	16200000	Revamping of O.T (FIRST FLOOR)	ŀ
Remarks	As per Rough Cost Estimate	Description	Sr. No.

TOBA TEK SINGH RUILDINGS DIVISION **EXECUTIVE ENGINEER**

HONIS YET ABOT NOISIAID BAS SONIDIA SUB DIVISIONAL OFFICER

				Revamping of O.T	o bu	f O.T (FIRST	STFL	FLOOR)				
+	Dismantling P.C.C	C 1.2.4	τ.	1/2" thick.								
	First Floor B/Side Cooridor	~	×	87 3/4	×	7			II	614	Sf	
		·					ı	Total		614	Sft-A	
				614	×	9-19- 9-19-	11	98	C#			
2	Dismanti	er e	ncan	ina alazed or encaustic tiles etc			8	11, 174.60		%Cft		6 01
	Main Buik	Fløor										
	Toilet	-	×	11 1/4	×	17 1/4			11	194	SĦ	
	Toilet	1	×	8 11/12	×	10 1/4			"	6	St	
	G. Opration Ward	-	×	33 1/6	×	17 146				569	St	Ň
						\mathbf{i}				$\overline{\langle}$		
	Main Building First Fi	Floor						Tøtal	"	854	Sft-A	
	Toilet	2)x	11 1/4	+	17 1/4	×	Q	11	285	Sth	•
	Toilet	R) x	8 11/12	+	10 1/4	×	5	11	192	Sft	
	Coridoor	Ŝ	×	49	×	5			11	490	Sft	
	Coridoor	٢	×	21 1/6	×	5			H	106	Sft	
	G. Opration Ward	2)x	33 1/6	+	17 1/6	X(S	П	503	Sft	
	Store	2)x	10 1/4	+	00	X(5	Ш	183	Sft	
	Store	2)x	10 1/4	÷	8 1/6	X(2	11	184	Sft	
	Room	4)x	10 1/4	÷	16 11/12	X(5	ti	543	S#	
	G. Opration Ward	2)x	21	+	17 1/4	X(ъ	n	383	Sff	
	General Store	0)x	21 1/6	+	17 1/4	X(SIQ.	- 11	384	SĦ	
	Store	2)x		÷	10 1/4	X(С	∘ JI	192	Sft	
	Room	2	X	10 1/12	+	17 1/6	X(5	∵ I j	273	SĦ	
	Eye Op: theath	2	X	10 1/12	. +	17 1/6	X(5	11	273	Sfi	
	Indoor Condoor	2	× •	81 1/6	×	Сı			. H	812	Sft	
	outdoor Corid.	2	×	81 1/6	×	с iΩ			· 11	812	Sft	
	1	, ·						• : •			•	
								Total	-11	5613	Sft-B	
				-			μ¥ Γ	Fotal A+B		6407-	Sft	
				 - - -		•	6	2 335 85		#3 %		13) 111
რ	Reimoving cement	t or lin	ièpla	plaster.								
	Main Building First F	Floor				:						
	Coridoor	2	×	9	×	5		/	H	490	Sft	
	Coridoor	1	×	21 75	×	5 J				106	Sft	
	G. Opration Ward	ŝ)x	33 1/6	+/	17 1/6	X(ũ	/iI	503	Sf	
	Store	~)x	10 1/4	/+	80	×	5.	: 11	e e e e e e e e e e e e e e e e e e e	Sft	
	Store	\sim	X	10 1/4	÷	8 1/6	×	2	п	184	Sft	
	Room	4	X	10 1/4	÷	16 1 142	X ()	с,	H	543	ts.	
.:	G. Opration Ward	N	XX	21	+	17 1/4	×	2	И	383	S#	
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	General Stora	ç	//	alt to	- _				ι				i t	
		1 (र , े	0/1/2	- -	L	+// //	×	ი	ÌN	385 102	4	ま	
	Store	N	Ž	8 11/12	™	т	10 1/4	×	5	11	192	2	SĦ	· · ·
	Room	ći V	¥	10 1/12	T N	т	17 1/6	×(2	II	27	с С	SĦ	
	Eye Op: theath	à)x	10 1/12	t N	Ŧ	17 1/6	X	, S	11	27	en en	, ts	
	Indoor Coridooy	~~	×	81 1/6	×		Cu Cu			H	812	ŝ	Sff	
	outdoor Cond.	€	×	81 1/6	1. 7		er.			II	812		5	
	X - 2 ² - -			-										
									Fotal	 	515		SH	
								é	799-64	.	0%	¢		
4	Removing door with chowkat.	th chow	ıkat.					R	00004E			 +		
				-						II			No	
									÷		4 4.			
									Total	1	22		No	
l								8	438.00		Eac	ų		9636
ŝ	Removing windows and sky lights with chowkat.	's and s	ky lig.	hts with	chow	kat.)
										H	14		No	
							·	÷ 1.	Total	 1	14		No	
	• •							0	341.50		Eac	4		4781
Q	Cement concrete plain including, screening and washing of stone	olain inc shina of	ludin		acting), fini Dotio	shing ar	nd cur	compacting, finishing and curing complete (includ	olete (ii	nclud	ing	· .	
		N+2-A		11-A+2-A 1468 x 0.467	yale).r X		0.175	1		R	18	~+	CH	
		- - -		- MA - 1 - 1		2			Total	 1	245	7	СĦ	÷.,
								0 3	38 178 90		0%	t	ı	20245
					·			5	n' 1 0.90		5	7		84000
\sim	Providing and laying superb quality Porce specified size in approved design, Color a 3/4"thick (1:3) cement plaster i/c the cost grinding complete in all respect as approv Full body Glazed tiles 600 mm x 600 mm.	ng supe pproved ent plax in all rex les 600	rb qu desiç ster ik spect mm	ality Por m, Colo c the co. as appr 600 m	celair. r and st of s oved m.	n glaz Shac sealei and (red tiles de with a r for finis directed	floori adhes shing by th	laying superb quality Porcelain glazed tiles flooring of MASTER brand of in approved design, Color and Shade with adhesive / bond over cement plaster i/c the cost of sealer for finishing the joints i/c cutting lete in all respect as approved and directed by the Engineer Incharge (a) ed tiles 600 mm x 600 mm.	STER d over s i/c cu	brand tting narge	d of (a)		
	Qty as item No.1-A	1-A+2-A					•			11 -	146	~, m	Sft	
	Room		×	8 1/4	×	A anu	10 1/6) JT	84	-,	Sft	
	Doctor Koom		×	10 1/6	×	~	8 1/4			-:11	84	• • •	SĦ	
	Door Cill	~	×	3 1/2	×		3/4			II	34	0)	Sft	
		ייי א ר	×	ງ 7 ດ	× ;;		3/4			Ħ	26	· رن	S#	
			<	N 2	×	•	5/4 4			U	0		Sft	
	Deducation								Total	11	1705		SĦ	
		1.						8	340.55		P.Sf			580638
Ø	Providing and laying superb quality Porcelain glazed tiles skirting/ dado of MASTEI brand of specified size in approved design, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (a) Full body Glazed tiles 600 mm × 600 mm	g super size in a cemer nplete ii dv Glav	b que pprov it plas n all n	lity Pon red desi tter i/c th espect &	celain ign, C ne cos ne cos nm v	glaz olor ¿ st of s prove	ed tiles . and Sha sealer fo and d	skirtin de wit ør finis irecte	zed tiles skirting/ dado of MASTE and Shade with adhesive / bond sealer for finishing the joints i/c ed and directed by the Engineer	of MAS ive / bo joints - Engine	STER ond Vc			
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	Oty as item No.2	o.2-B	ļ	5613		Ω,	×	7		7859	Sft	
	Oty as item No.3	, m	11		·				. H	5137	Sff	
										4100	5 .	
	Deducation	and the	• •			• •		Total	II	11958	St	
	Deddealloal	[`] ک	×	2 1/2	×	7			li	88	Sft	· .
							•	Total	- u		\$5	
		Net	II	11968	. t	88	II (B)	11/8 b 42907 340.55	St.	P. St	5	404.5HP
o	ng and xed an iize of 1 im thick pprove	tting all partly sl 0 x 20 r ess incl standar	types c liding L nm (4" uding C	fitting all types of glazed aluminium windows of anodised bronze cold partly sliding using delux sections of approved manufacturer havin ($00 \times 20 \text{ mm} (4.x^3/x)$) and leaf frame sections of 50 x 20 mm ($2.x^3/x$), the sections of the sections of the section of the section.	lluminiu < section eaf fram < importe are etc.,	m window is of appr ie section ed tinted <u>c</u> as appro	is of a oved i s of 5 ylass v	nodised I manufact 0 x 20 mi with rubbi y the Eng	bronze urer h n (2"x er gas rineer	e colour laving sket 'in-		
-	charge. First Floor	13	×	5.833	×	Q			II	455	Sft	-
		-	×	6.000	×	7.5		·	11	45	Sft	
								Total	 	200	- Sft	
10	(Malasian) fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gu (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour /powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge.complete in all res	king Alu in alum of size ' oproved	minum tinum t 1-1/2"x 1 and d	fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze of in aluminum frame of approved manufacturer brownze Colour d of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of approved and directed by the engineer incharge complete in all respect.	n compr proved 6mm th the eng	ising of F manufact nick with r ineer inct	@ 1 iber/ turer b ubber narge.	1,348.40 P.S / Aluminum wire gua brownze Colour er gasket i/c cost of e.complete in all resp	m wira Solour c cost in all	P.Sft e guaze t of respect.		674200
	Qty as item No.8	 		500		2			11	250	Sft	
				• •				Total	 	250	- Sft	
11	P/F M.S grill of 3/8"x3/8" sq bar i/c M.S flat 3/4"x3/16" for frame in window of appro design 6 nos holdfast 9" long M.S iron 3/4"x3/4"x1/8" painting tree coating i/c cost c labour material complete in all respect.	3/8"x3/8 dfast 9' completu	" sq bé " long h e in all	ar i/c M.S f M.S iron 3/ respect.	lat 3/4"x '4"x3/4"x	3/16" for 1 (1/8" pain	@ frame ting tr	493.05 in windo ee coatin	w of a g i/c c	P.Stt pproved cost of		123263
	Qty as item No.13	e B			· ·				H.	200	S#	
				.:			<i>ч</i> , г ©	Total 85%. { 0 *506.00	 11	500 P.Sft	S#	427200- 253000-
12	<i>P/F 1-1/2</i> " thick solid flush door comprising of 2.5mm thick Deodar /Ash /Oak ply wi grooves, compressed over 2.5mm thick commercial ply over 1" thick packing wood instyleand rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue sawing charge sand lacquar polishing to showt hegrainsofply properly, sand paper and 3/8" thick matching wood enlipping as approved and directed by the Engineer Incharge	solid flu. sssed ov inder pr and lacc atching	sh doo ver 2.5 oper p quar pu wood (k solid flush door comprising of 2.5mm thick Deodar /Ash /Oak ply wi ressed over 2.5mm thick commercial ply over 1" thick packing wood sunder proper pressure i/c the cost of nails, tower bolt, handles, glue sand lacquar polishing to showt hegrainsofply properly, sand paperi matching wood enlipping as approved and directed by the Engineer	ng of 2.5 commer the cos showt h is appro	5mm thick cial ply ov t of nails, egrainsof ved and c	 C Deot A Deot	dar /Ash / thick pac r bolt, hai operly, sé od by the	Oak µ king v rdles, and pi Engin	oly with vood glue, apering ieer		
	First Floor	13	×	3 1/2	×	8.5			Ħ	387	Sft	
		~	×	2ı	×	8.5				298	Sft	
								Total	 	685	Sff	
										<u> </u>		

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13	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windcetc. (chowkat only) of 16 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150 mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with ceme sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: a) single rebate 10.5" wide	d frame .S. flat 6 /8" (225r /, includii /, includii	© 678.55 of doors, windows, "x 11⁄4" x 1/8" nmx25mmx3mm) og filling chowkat w ncrete 1:2:4, comp.	ŵ ŠĒ	P.S# C. windows, ith cement lete in all		464807
	Qty asi tem No.16			II	685	Sft	·
			Total	"	685	Sff	
			@ 621.90	0	P.SH		426002
4	Providing and fixing aluminium glazed partition of anodized / powder coated u section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A mm tinted TEMPERED glass with sand blasting and edge polishing i/c the corresistance film,rubber gasket and hardware etc. complete in all respect as ap and directed by the Engineer Incharge (Floor hinge will be paid separately)	r of anoc 2 mm th ng and e c. compl hinge wil	lazed partition of anodized / powder coated using Cable having 2 mm thick Frame size D48-A , i/c 12 A sand blasting and edge polishing i/c the cost of the A hardware etc. complete in all respect as approved tharge (Floor hinge will be	coated u > D48-A /c the co sct as ap	d using A , i/c 12 cost of tear approved	· ·	
	3 x 8.000 x 2 x 5.000 x	8.5	Total		204 80 284	ts st	
		· ;	0 4940 AE	45			957050
15	Providing and fixing Openable door comprising of 3mm thick UPVC hollow pro ,chowkat frame of 60mmx64mm and/leaf frame 60 mm/106 mm both duly reint with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on appr & directed by the Engineer Incharge	ng of 3n me 60 m m wide l bolt and	of 3mm thick UPVC hollow profil 60 mm 106 mm both duly reinfor wide panel with grooves on both t and cutting changes on approv	UPVC hollow profi m both duly reinfor grooves on both changes on approv	ollow profile ulty reinforced to n both on approved		
	2 x 2.250 x			· IF	32	Sft	
	· .		Total		32 D C#	S#	
x		·	.	S	5		
16	Preparing surface and painting with emulsion paint:- 2 coat on old surface.	oaint:- 2	coat on old su	rface.	 		
	Qty as item No.1-A			15	614	Sft	
	5137 30.000	5 24	x 7	11 11	720	S# S#	
	1 x 30.000 x 1 x 24.000 x	10 10		11 - 11	300 240	555	
	D/d 25% opening 0147				9065 2266	Stt Stt	
	ut scraping	60%	l, <u>2</u> col Net (1 <u>2</u> col 4079 (0 2,034.65	* S#	6799 Sh	Sft-A	PP463
•	Take 40% after scraping 6799 x	40%	5	to Sft	%S#	- - -	63628
17	Providing and applying wall putty of 2mm thicknessover plastered surface (new surface) to prepare the surface even and smooth complete in all respect. Qty as item No.1-A	nessove oth comp	r plastered sur lete in all resp	face (ne ect.	N 44	147 S#	762401
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	Li Kowess Li Kowess No Yeshi Sent) Iastic the	569	362	474	5 1 1 5 2 5	453	1058	= 1933	P.S#	avy duty	P.C.	222	Each mnium nn sten on d mark, as	Les Les Les Les Les Les Les Les Les Les	600 962	174	375	453	1933	P.S#	robial Pvc	cost of k	956	727	518	<u>822</u>	3764	N C C
د د ا	6 6 80 erial ag termop ted by	11	n	ł		H		1	5	ed het arge	11	- H) S alur nged c ms fas Rquirek A/Der	I	11	, N	1				ti-mici ng to solvei	i/c the m thic	11	11	ŧ		l Å	· ·
malin	d with th d with th nd direct	· .	· · ·				-	Total	1,250.00	complete in all respect as approved and directed by the Engineer Incharge		Total	Supply and installation of Clip-in tile (0.6 mm -0.7 mm thick)non-porous alumnium false celling 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 a size, suspension rods and joints sealed with silicon if required of DAM/PA/Demark, as						L'Total	550.00	wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed	I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of oroved and directed by The Engineer In-charge (a) 2mm thick	9.5	9.5	9.5	9.5	Total	
6	welder	(6			• • •		0	r clos Engi			hick)r sion sy n grid, jes of tuired						and the	580	ant Hy elded ' with a	srewed -charg	X	X	X(X X	••••	
	the stand	17 1/6	17 1/4	17 1/6		17 3/4				ated doc	:	•	0.7 mm ti suspens X600 mr ing char con if rec	le. 17 1/6	17.1/4	17 1/6	-17-1/4	17 3/4	100	helizon	ch-resisti plastic w ım board	5" duly sc gineer In	lees wels 17 1/6	17 1/4	17 1/6	17 3/4	•	
0.	vgenic Vgenic hesive	×	×	` ×	*	×				coper			mm - Clip-in 00 mm 1/c cut		×	×	k	× ²	CTH =	pashile Populas	Vscrat hermo gypsu	2"X3. he En	2/ C. 8. 877 / +	÷	+			•
	elling adl	33 1/6	21	10 1/8	21.3/4	25 1/2	•			hydrauli oved and	L		Supply and installation of Clip-in tile (0.6 mm -0. false celling of specified size fitted with 'Clip-in' s Concealed T/Shiplap edge/runners @ 600 mmX wall with plug and screw @ 500 mm c/c i/c cuttin size,suspension rods and joints sealed with silico approved and directed by the Eccent	.9.176 33-176	21	10 1/8	21 3/4	25 1/2	Make	to pash	n graded ss duly ti mm thick	ze 3.5"X sted by T	Jeint 52 33 1/6	21	10 1/8			
0	The month	×	×	×	*	×	•	·	:	omatic appre			Clip-ir ize fitt e/runn 00 500 foints	i ×	×	×	×	X	a fe	11 - 14 100 - 14 100 - 14	hiimur hickne 'er 12i	ael of si, and direc	X See				· . t.	i i
Sec. 1	SO:2219 Covers	-	-	1	+	-		•		l auoti ect as			ified s iffied s p edg crew (s and	4	F -	t		7 7	(D) [D]		iffied the steed ov	annae 'ed an × / 2	A A)x)x	· · ·	• •	• •
all of	rt (ISO) placed	tion	i th€	hea			-		2	a nxing				uo	the	éa		نه بر چر	Le la	K / Pluck Water F	l of spec	G.I Ch approv 3000	2	2	< <	1 -64		
tildat.	ming ming er tr	Gen. Operation	G.Operation the	Eye Oper. Thea	Ala	0. T		•.		lete in a	•	•	Supply and insta false ceiling of s Concealed T/Sh wall with plug ar size, suspension approved and di	Gen. Operation	G.Operation the	Eye Oper. Thea		0. 0 1	in the	Will Hygenes	2196) a	over 14-SWG G.I hardwares as app	Gen.O.T	T,	ь -	L.	- 	
Ante	equit Engli	Gen.	Ö.Ö	Eye	Delivery	Gyne O.		·	Drovin	duros		* 1 4 	Suppl false (Conce wall w size, su approv	Gen. (G.Ope	Eye O	Delivery	Gyne O. 7 Powerdens C. F	makel.	Carlo H	wall cladding (ISO:22196)	over 14-SW hardwares	Gen.O.	Gen.O. 7	Eye O.T Deliven-	Gyne O.	Deduce	reuncation

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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		80 8	
3 x 6 x 6 x 6 x 6 x 6 x 6 x 6 x 750 2 7281 Providing and laying 34° thick tubiwdth Prepolatished Manche Barl for Vanishes brain down of 27281 Providing and laying 34° thick tubiwdth Prepolatished Manche Barl for Vanishes brain down of 27281 Providing and laying 34° thick tubiwdth Prepolatished Manche Barl for Vanishes brain down of 27281 Field Point 13 x 5 833 x 0.75 a b 5 5 6 7 10 a 1 a 2 a 6 000 x 0.75 a b 10 a a 1 1 c 2 a 1 b 1 b 1 b 1 c 1 a a a a a a a a a a			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		6 = -108	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		= ~284 24	
First Floor 13 x 5.833 x 0.75 = 57 Sth 1 x 6.000 x 0.75 = 57 Sth Total = 5 Sth Providing and fixing 2-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe in a 247 of fixed on allemate steeps with 3" long steel screws and providing and fixing 2.9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe $@$ 247 of fixed on allemate steeps with 3" long steel screws and press reard plugs, "swo diagonal stainless steep lipeor (177 dia passes fitter providing and fixing 22 SWG 712X12 GL wine mesh and expanded metal (diamond providing and fixing 22 SWG 712X12 GL wine mesh and expanded metal (diamond providing and fixing 22 SWG 712X12 GL wine mesh and expanded metal (diamond providing and fixing 22 SWG 712X12 GL wine mesh and expanded metal (diamond providing and fixing 22 SWG 712X12 GL wine mesh and expanded metal (diamond providing and fixing 22 SWG 712X12 GL wine mesh and expanded providing and fixing 22 SWG 712X12 GL wine mesh and expanded f.F. Elsie Conti. 8 x 9.13 x 6 = 448 Total = 486 f. Total = 486 f. Total = 486 f. Total = 486 f. Total = 33 f. Total = 330 f. Total = 300 f. Total = 300 f. Total = 300 f. Total = 300		St 25	2081246
1 x 6.00 x 0.75 = 5 51 \mathbb{C} 412.35 P.Sth \mathbb{C} 51 51 \mathbb{C} \mathbb{C} \mathbb{C} \mathbb{C} \mathbb{C} 51 \mathbb{C} \mathbb{C} \mathbb{C} \mathbb{C} \mathbb{C} \mathbb{C} \mathbb{C} 51 \mathbb{C}		x 0.75 = 57	
 		x 0.75 = 5 Total = 62	
Providing and fixing 2.9" high stair railing comprising of non magnetic (304) Stain less steel consumed states with 2" dra pipo railing of 18 SWG welded with vertical posts of 2" dra stainless steel consumed strainess steel consumed strainess steel consumed strainess steel provident and an elected by the Engineer inchange. Total = 47.00 Rth respects as approved and directed by the Engineer inchange. Total = 47.00 Rth Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (fiamond hole strabe) 5mm thick duir fixed with MS patir 1"X18" on MS angle from frame print is approved & directed by the Engineer Inchange. Total = 47.00 Rth Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (fiamond hole strabe) 5mm thick duir fixed with MS patir 1"X18" on MS angle from frame print is approved & directed by the Engineer Inchange to the cost of metal fiamond hole strabe) 5mm thick duir fixed with MS patir 1"X18" on MS angle from frame 1"1" (Total = 418 Sth 1"1" X18" on MS angle from frame paint is approved & directed by the Engineer Inchange to the cost of metal finamond hole strabe) 5mm thick duir fixed with MS patir 1"X18" on MS angle from frame (MS and braces (G 2 ft Chontrontaling & verticality to the cost of metal framond hole strabe 5mm thick duir fixed with MS and the strate of the cost of metal framond hole strate and braces (G 2 ft Chontrontality & verticality to the cost of metal framond hole strate and braces (G 2 ft Chontrontality & verticality to the cost of metal frame and the strate and expanded metal (framond hole strate and expanded metal (framond hole strate and the strate strate and the strate and the strate		412.35	25566
First Floor 1×47 = 47.00 Rth Total = 47.00 Rth Providing and fixing 22-SWG /12X12 G.1 wire mesh and expanded metal (diamond hole shape) 5min thick duly fixed with M.S patit 1"X1/8" on M.S angle iron frame 15''X1'''''''''''''''''''''''''''''''''			·
Total = 47.00 Rt Total = 47.00 Rt Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1'X18' on M.S angle iron frame $112''X112''X316'' and braces @ 2 ft Cic horizontally & vertically lic the cost of matt paint as approved & directed by the Engineer Incharge F_FBStee Cond: 8 \times 9.1/3 \times 6 = 448 St1 \times 6.1/3 \times 6 = 33 StProviding and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with beveledcorner and 0.8 mm bend at edges duly pasted with premium grade self-achresive guestrips with excellent hold/(double sided Tape) as approved and directed by theEncineer Incharge.= 300$ Rt $0 \times 455.00 = P.Rt$		= 47.00	
		= 47.00	
F.F B/Side Cond:8 x 91/3 x 6 $=$ 448Sft1 x 6 $1/3$ x 6 $=$ 38SftProviding and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with beveled corner and 0.8 mm bend at edges duiy pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. $=$ 300 RftTotal $=$ 300 R R Total $=$ 300 R R		© 1,775.10 P.Rft G.I wire mesh and expanded metal (diamond vith M.S patti 1"x1/8" on M.S angle iron frame Xc horizontally & vertically i/c the cost of matt Engineer Incharge	83430
$1 \times 6 \ 1/3 \times 6 \qquad = 38$ St Total = 38 St Total = 486 St $0 493.00 \qquad P.St$ $0 493.00 \qquad Rt$ 1 1000 1 10000 1 10000 1 10000 1 100000 1 100000 1 10000000 1 10000000000000000000000000000000000		x 6 = 448	
Total = 486 Sth Total = 486 Sth O 493.00 P.Sth Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. = 300 Rth Total = 300 Rth O 455.00 P.Rth		38 11 28 28	
 a 493.00 P.Stf Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold(double sided Tape) as approved and directed by the Engineer Incharge. a 300 Rtf Fotal = 300 Rtf A55.00 P.Rtf 		= 486	
Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. = 300 Rft = 1000		493.00	239598
		Steel 14 SWG Corner Guard angle with bevelled Ily pasted with premium grade self-adhesive glue sided Tape) as approved and directed by the	
Total = <u>300</u> Rft 455.00 P.Rft		300	
	-	Total = 300 455.00 P.Rft	136500
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7879L 1337767 208000/ 14422305 201000 4221305 14221000 13170000 ENG NEEN Ovision and sugar Sft 5 Ŀ H 11 Second Stand Vew Soo SS 00016 201000 1437, 85th Total Total Say 1370 Nob 14130 3 coats on ٦ . It Total 2,714.40 S Preparing surface and painting of Doors & Windows any type surface. SUB DIVISIONAL OFFICER BUILDINGS SUB DIVISION TOBA TEK SINGH Each Each 0 CANNO 7000/ 6500 2000 Ω. SUB DIVI No No× 14 22 217 685 D/D COST OF OLD MATERIAL Door (Solid Flush Door) Windows (Box Section) Qty as item No.5 Qty as item No. 16 Qty as item No.4 SUB EN 26

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157596 /-15200 /-157600 /-Division 5000 Page 31 of 46 ╡ Each \sim 2 â c_{1} 7600.00 Say Rs = Total = Sub Divisional Officer Buildings Sub Division Toba Tek Singh 2 No. Coller-Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass *i/c* the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. (P.H) (4) 2 12, **a**t - 2 4 4 ¥ ¢, Page 87

	INTERNAL ELECTRIC INS	INSTALLATION	NC		
			(Based on 2nd Bi-annual 2022)	2nd Bi-an	nual 2022)
.	S/E of PVC pipe wiring recessed in wells <i>i/c</i> inspection boxes, pull boxes cutting repairing surface 1"dia.	2500 Rft	94.60	P Rft	236500 /-
÷	- do - 4"dia (for power cable).	700 Rft	600.00	P Rft	420000 /-
7	S/E of PVC insulated copper conductor cable in pre-laid PVC M.s conduit / G.I pipe rate for cable only. 3/0.029.	6500 Rft	25.70	P Rft	167050 /-
÷	- do - 7/0.029" PVC cable	4500 Rft	40.75	P Rft	183375 /-
Ш.	- do - 7/0.044" PVC cable	Sev _3000-Rft	75.10	P Rft	37550/-
.≥ [/]	- do - 7/0.064" PVC cable	3500 Rft			
ຕ່	Supply and erection of copper conductor cables for serviceconnection, in prelaid pipe/G.I.	550 Rft	2715.80	P Rft	1493690 /-
	for cable ol d 4 Core, 600/ 83)				
:=	_do_ 630 mm sq (127/0.093") single core grade cable.	200 Rft	6007.30	P Rft	1201460 /-
4	S/E of ceiling rose bakelite large size.	70 No.	66.30	Each	4641 /-
Ń	P/F PVC double layer Switch kit Face plate with specified switch holes it the cost of switches /	205 No.	802.50	Each	164513 /-
	sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and				
=	directed by the Engineer Incharge 4 gange largedo5 Gange.	100 No.	946.50	Each	94650 /-
i	_do_6 Gange.	70 No.	1162.50	Each	81375 /-
Ņ	do_Fan Dimmer	100 No.	598.50	Each	59850 /-
>	_doThree pin Light Plug 10/13 Amp	65 No.	333.00	Each	21645 /-
ġ	Earthing as per MRS specification.	6 No.	9592.65	Each	57556 /-
. 7.	P/F, of Exhuast fan 12" sweep with shutter (GFC / PAK / ROYAL fan) bes quality as approved by the	15 No.	3133.00	Each	46995 /-
œ	Engineer Incharge. S/E of LED light 24 watts (Philips made) complete	1.50 480 No.	560.00	Each	84,eev/- 2240001-
ດ	OF LEI	40 No	5700.00	Each	228000 /-
	IN T	i Terri a Terri a		•	
÷ц.	CONFLETE IN ALL				
10.	P/F, of Bracket fan 24" sweep with shutter (GFC / PAK / ROYAL fap) bes quality as approved by the Engineer Incharge.	50 Me.	11000.00	Each	550000 /
7	S/E of ceiling fan 56" sweep best quality as approved by the Engineer Incharge	100 No.	-000.000	E aoh	700000 /
	《《书书》:"这个时候,你不是你的时候,我们的问题,我们的"我们"。" 1995年———————————————————————————————————				. Page 32 of 46

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46250 /		510740 /-	218130 1-	20200000	16000 /-	816000 /-	22//02	5 73/60 1 367000 /-	//22970 28260 40 /-	728/65 448330 1-	69983 /-	76380 /-	58850 /-	Page 33 of 46
Each	- Each	P.Rf	.Rft	P.Job	Each	P.Rft	P.Rft	P.Rft	P.Rft	P.Rft	P.Rft	P.Rft	P.Rft	
462.50	-178.35	1276.85	1090.65 F	26600000 2000441 000	400	816.00	1340.70	2715.80	4709.90	7241.65	466.55	254.60	117.70	
100 No.	150 No	400 Rft	200 Rft	t dol	40 No	⊉ 000 Rft	2 500 Rft	2 00 Rft	3 00 Rft	\$ 00 Rft	150 Rft	300 Rft	500 Rft	
Errection of ceiling fan along with regulator complete in all respect.	Repainting of ceiling fan (all sizes and types), including painting of blades, cantopy, suspension rod and regulator, with suitable enamel paint.	Providing and fixing cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 3 ft C/C, hangers <i>i</i> /c the cost of hardwares as approved and directed by the Engineer Incharge 16"x4"	_do_ 12"x4"	Low votage switch gear system complete in all respect.	Making holes in brick masonary wall 6" to 6 size for AC vent pipe.	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. ire/trenches, etc. (rate for cable only):- d). PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:- 16 mm sq (7/0.044)	do25 mm sq (19/0.052)	_do_ 70 mm sq (19/0.083)	_do_120 mm sq (37/0.083)	_do185 mm sq (37/0.103)	Supply and erection of single core PVC nsulated, PVC sheathed copper conductor, 600/1000 volts grade .cable, in prelaid G.I. pipe/M.S. onduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):- 50 mm sq (19/0.072")	_do_ 25 mm sq (19/0.052")	_do6 mm sq (7/0.044")	(E.)
12.	13.	4	:=	15.	16.	17.	=	:2	Ż	>	9	. :=	E	

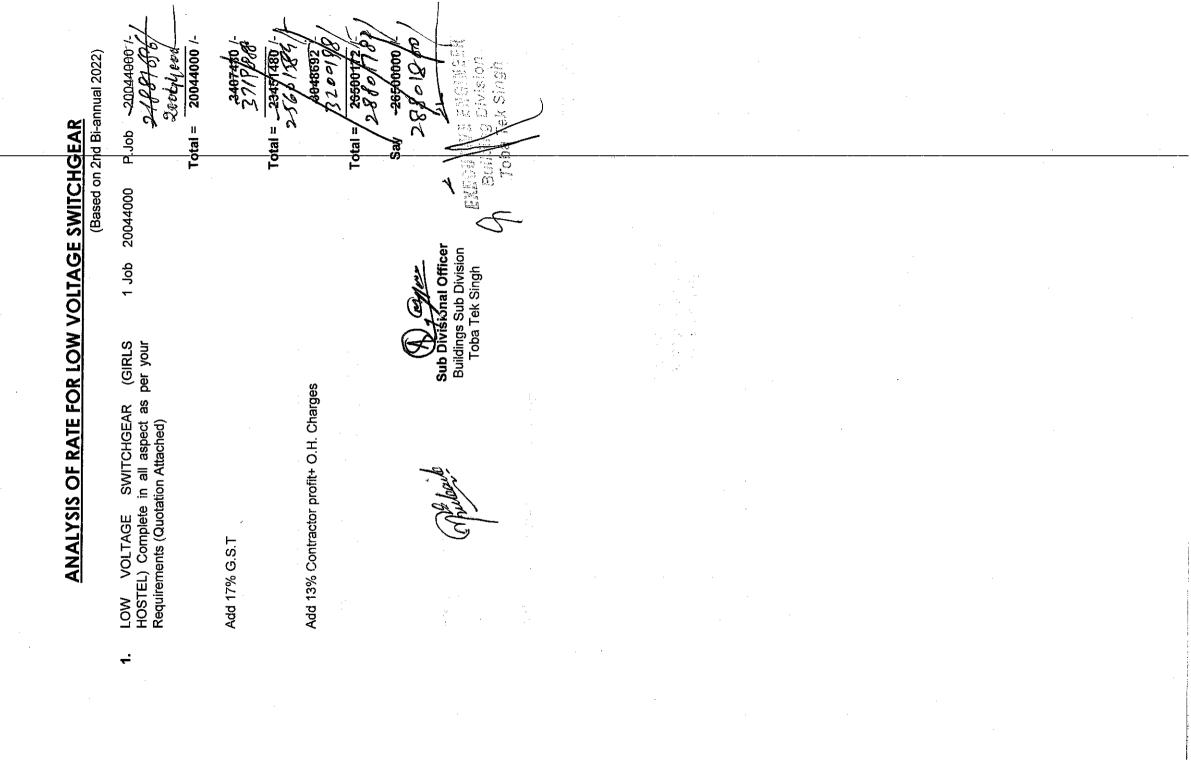
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23219 Aprod Photo 2 50584358 1-4 Page 34 of 46 47632-5820702 1-18 69/02 300000 --50586000 /-Division 50734669 | ek Singh 4107900 2064 <u>La</u> P.Job Total Total Say C 202 ٦J 9592.65 Sub Divisional Officer Buildings Sub Division Toba Tek Singh Se Job elles Earthing of iron clad/aluminum switches, etc. with G.I. wire No.8 SWG in G.I. pipe 15 mm (½) dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth. Ø (E.I) Š ceiling fan = 100-No @2000/- 4 D/d old material 12. Page 90 4 **5** ' z, ¢ ¢ ني 1 a) ŵ



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Plot No 4, Adj. ATS Lane, Kacha Industrial Estate, 4-Km Kahna Kacha Road, Lahore - Pakistah. UAN: +92-42-111-736725 (111-PEMPAK) E-mail: info@pempak.com http://www.pemp 42-3597-8060-63 ŝ

Ref.: D/FM/449623/14103 Muharram 25 , 1444AH. August 24, 2022.

Messer, THE EXECUTIVE ENGINEER. Building Department (PWD) <u>Goira-Pakistan.</u>

Subject: Project:

<u>QUOTATION FOR LOW VOLTAGE SWITCHGEAR</u> REVAMPING OF THQ HOSPITAL-GOJRA

Dear Sir,

d are Thank you very much for your subject inquiry. We have gone through your requirement & specification an pleased to submit our most competitive and comprehensive offer accordingly as under.

This Covering Letter. Schedule of Prices. Schedule of Specification.

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(Quinter)

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The su	The summary of our offer is as under.		
Sr.	Sr. Description	Amount	_
5	LOW VOLTAGE SWITCHGEAR :	20.044.000.00	_
	(Complete In All Aspect as Per Given Specifications)		
	Total Amount of Offer (Excluding GST): Pak Rs.	20,044,000.00	
	H7% Add GST: Pak Rs.	3.407.400.00	
	Net Amount of Offer (Including GST): Pak Rs.	23 451 480 00	┯╄
Pak	d Four Hun	v-Only	_
		,	

nsportation This offer is based on the following Terms and conditions. The prices Ex-works duly Packed for inland transportations

"Pyment will be 50% advance, balance after final inspection to your entire satisfaction against delivery at our floor. The completion period will be 8-10 weeks after the technically and financially confirmed order. The equipment will be under complete Guarantee/Warrantee for the period of one year.

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The prices are valid for 2 weeks afterwards subject to the reconfirmation. The components offered are subject to the availability otherwise approved equivalent. The standard and latest amended Force Majored clause will be fully applicable throughout the contract. The offer is based on the present duties/Taxes structure. Any change will be charged at actual.

long Ice of It may be your interest that the equipment being offered is with total quality control features for trouble free and life field performance equipped with field tested components backed by the quality of commitment, the real essem PEMPAK. We are confident that the offer will meet your requirement and your valued order will be placed on us. Please feel free to contact us for any further information on the subject. We will be pleased to come up to your convenience.

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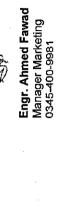
Thanking you in Anticipation

Perfectly yours,

M

And the

Engr. Muhammad Arshad Sr. Sales Engineer 0345-400-9982



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PEMPAK

Page 1/1 Quotation for L.V Switchgear. M/s: The Executive Engineer Ref: D/FM/449623/14103 Dated: 24.

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SCHEDULE OF PRICES FOR LOW VOLTAGE SWITCHGEAR Project: Revamping of THQ HOSPITAL-GOJRA

PRICES:	ES:				×*.
ъ.	Description	aty.	Rate	Amount	
PO LO	LOW VOLTAGE SWITCHGEAR				
6	800A MAIN SWITCH BOARD (For 400KVA T/F-1)	01 Set.	664,000.00	664,000.00	0
02	1250A MAIN SWITCH BOARD (For 630KVA T/F-2)	01 Set.	778,000.00	778,000.00	0
ខ	MAIN LT PANEL	01 Set.	14,003,000.00	14,003,000.00	0
8		01 Set.	361,000.00	361,000.00	0
ß	DISTRIBUTION BOARD-(PDB)	05 Sets.	115,000.00	575,000.00	6
8	SUB MAIN PANEL BOARD-Normal (SMPB-GF)	01 Set.	407,000.00	407,000.00	0
6	DISTRIBUTION BOARD-(PDB)	10 Sets.	115,000.00	1,150,000.00	0
8	SUB MAIN PANEL BOARD-Emergency (SMPB-FF)	01 Set.	289,000.00	289,000.00	0
8		05 Sets.	99,000.00	495,000.00	0
6	SUB MAIN PANEL BOARD-Emergency (SMPB-GF)	01 Set.	332,000.00	332,000.00	0
,	DISTRIBUTION BOARD-(LDB)	10 Sets.	00 [.] 000 [.] 66	00.000,000	0
	Total Amount of Offer (Excluding GST):	iding GST):	Pak Rs.	20,044,000.00	0
	Total Amount of Offer All Equipment (Excluding GST)	chinding GST).	Dak Re	20.044.000.00	C

trobal

Engr. Muhammad Arsl Sr. Sales Engineer 0345-400-9982

[▲] Engr. Ahmed Fawad Manager Marketing 0345-400-9981

C*** i.j.2 i.j.2

1-08-22 2 for L. V Sw 49623/ 1/5 <u>Quotatio</u> <u>M/s: Thr</u> <u>Ref: D/F</u> Page.

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SCHEDULE OF SPECIFICATION FOR LOW VOLTAGE SWITCHGEAR Project: Revamping of THQ HOSPITAL-GOJRA

I practices RAL-7032 8 Phase 4 wi I/C at 415// & Accessorie Wall <u>E</u> confirming to IEC-947-2 to accommodate the given number of circuit components, instruments & Acc assembled and wired with Electrolytic Copper Bus bars at 50deg Centigrade and cables as per standard and relevant standards duly cleaned down to bare shining metal phosphate and powder painted of color complete in all respect as per given specifications with your requirement and equipped as under. standi 500 m of 65KA ĕ 202 415 steel sheet fabricated <u>ठ</u> ion class 600Volts, Incoming and outgoing earth with flexible copper cable suitable for l service short circuit breaking managed. 14/16SWG mild short circuit make, insulation rated to body PEMPAK having front access, per site requirement, door SWITCHGEAR: TPN&E system, kpe. LOW VOLTAGE 50Hz] nounting, 400/230 ottom

2	800A MAIN SWITCH BOARD-(For 400KVA T/F-01)		01-SET.	
<u>ي</u>	Description of Components	Make	Model	Quantity
4	INCOMING			
6	800A TP MCCB 50kA Adj.	Terasaki/Eqv	SBOOCJ	01 No.
02	Surge Protective Device 4P (SPD)	Phoenix/Dehn/Eqv	100kA	01 No.
03	Digital Volt Meter	Entes/Camsco/Eqv	96x96MM	01 No.
8	Digital Ampere Meter	Entes/Camsco/Eqv	96x96MM	01 No.
05	Current Transformer 800/5A	Metelx/Fico	RLC	03 Nos.
8	Ampere Selector Switch	GGT/Camsco/Eqv	4-Position	01 No.
6	Volt Selector Switch	GGT/Camsco/Eqv	4-Position	01 No.
88	Phase Indication Lamps (R+Y+B)	Schneider/Himel	LED Type	03 Nos.
වි	6A Control MCB for Protection	Terasaki/Eqv	EPC	03 Nos.
05	02 1250A MAIN SWITCH BOARD-(For 630KVA T/F-02)	(01-SET.	
S.	Description of Components	Make	Model	Quantity

250A MAIN SWITCH BOARD-(For 630KVA T/F-02) Description of Components <u>در ہے</u>

				-	
Sr.	Description of Components	Make	Model	Quantity	>
۲	INCOMING		-		
9	1250A TP MCCB 50kA Adj.	Terasaki/Eqv	S1250SE	01 No.	
80	Surge Protective Device 4P (SPD)	Phoenix/Dehn/Eqv	100kA	01 No.	
ខ	Digital Volt Meter	Entes/Camsco/Eqv	96×96MM	01 No	Γ
8	Digital Ampere Meter	Entes/Camsco/Eqv	96x96MM	01 No	
05	Current Transformer 1200/5A	Metelx/Fico	RLC	03 Nos.	
90	Ampere Selector Switch	GGT/Camsco/Eqv	4-Position	01 No.	
07	Volt Selector Switch	GGT/Camsco/Eqv	4-Position	01 No.	
8	Phase Indication Lamps (R+Y+B)	Schneider/Himel	LED Type	03 Nos.	
8	6A Control MCB for Protection	Terasaki/Eqv	EPC	03 Nos.	
ł			×]
8	MAIN LT PANEL		O1 SET.		
Sr.	Description of Each Component	Make	Model	Quantity	
400	400A ATS PANEL				
۷	INCOMING FROM 200KVA GEN-1			-	
<u>6</u>	400A 4P MCCB 36kA	Terasaki/Schneider	S400C.1	01 N0	

ľ				
400/	400A ATS PANEL			
A	INCOMING FROM 200KVA GEN-1			-
01	400A 4P MCCB 36kA	Terasaki/Schneider.	S400CJ	04 No.
02	400A 4P Magnetic Contactor-AC3	Terasaki/Schneider.	TC4-400a	ON NO.
<u>0</u> 3	ATS Module	Deep Sea/Edv	4520	04 No
8	Digital Ampere Meter	Entes/Camsco/Eqv	96x96mm	04 No.
02 02	Ampere Selector Switch	GGT/Camsco/Eqv	4-Position	01 No.
90	Digital Volt Meter 0~600V	Entes/Camsco/Eqv	96x96mm	01 No.
07	Volt Selector Switch	GGT/Camsco/Eqv	4-Position	01 No.
80	Current Transformer 400/5A	Metelx/Fico/Eqv	LVP	06 Nos
60	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schneider	LED Type	05 Nos.
10	ON/OFF Push Button	Himel/ Schneider	22mm	02 Nos
11	Auto/Manual Switch	GGT/Camsco/Eqv	3-Step	01 No.
12	Miniature Relay with Base	Finder/Eav	8-Pin	02 Nos
13	Battery and Battery Charger		Imported	OI NO
14	6A Control MCB for Instrument Protection	Terasaki/Schneider	EPC	ON NOS
15	Electrical Inter-Locking System			401

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<u>Page. 2/5</u> <u>Puotation for L_V Switchgear</u>

Ref. I	<u>Ref. D/F1//449623/14103 Dated: 24-08-22</u>			•
m	INCOMING FROM 100KVA GEN-2			
58	400A 4P MCCB 36kA	Terasaki/Schneider.	S400CJ	01 No.
38	Picital Among Maine	Terasaki/Schneider.	TC4-400a	01 No.
32	Amore Salector Switch		96x96mm	01 No.
8		Control Carrisco/Eqv	4-POSITION	01 No.
8	Volt Selector Switch			01 No.
6	Current Transformer 400/5A	Metels/Firo/Friv		OT NO.
8	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schneider	I ED Tuna	UO NOS.
8	ON/OFF Push Button	Himel/ Schneider	22mm	
우	Auto/Manual Switch	GGT/Camsco/Eqv	3-Step	01 No.
÷	Miniature Relay with Base	Finder/Eqv	8-Pin	02 Nos.
12	6A Control MCB 6kA for Instrument Protection	Terasaki/Schneider.	EPC	03 Nos.
ပ	OUTGOING			
0	250A TP MCCB 25KA For SMPB-FF	Terasaki/Schneider	E250SF	0 No
8		Torocoli/Cohneider	Lorder	
ខ	150A TP MCCB 25KA (SPARE)	Terasaki/Schneider	E250SF	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
٥	BUS COUPLER-1		10000101	I UZ NUS.
5	400A 4P Magnetic Contactor-AC3	Terasaki/Schneider.	TC4-400a	01 No.
8	Miniature Relay with Base	Finder/Eqv	8-Pin	02 Nos.
3 2	UNUCE Push Button	Himel/ Schneider	22mm	02 Nos.
5 18	6A Control MCB for Protection	Tercent//Schneider	Led Type	02 Nos.
			EFC	U3 NOS.
ш	Incoming From 400KVA Transformer-1			
δ	800A TP ACB 65KA	Terasaki/Schneider	AR208S	01 NO
8	Motor Mechanism for ACB	Terasaki/Schneider	MOM	
8	Under Voltage Trip for ACB	Terasaki/Schneider	UVT	01 No.
58	Picifiel Voltmotor 0 600V	Terasaki/Schneider	ST	01 No.
38	Volt Selector Switch	Entes/Camsco/Eqv	96mmX96mm	01 No.
86	Digital Ambere Meter	GG I/Camsco/EqV	4 Position	ov i
8	Ampere Selector Switch			
8	Current Transformer 800/5A	Metaly/Fico/Fov		
9	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider	LVF Led Type	04 Nos
₽	ON/OFF Push Button	Himel/ Schneider	22mm	02 Nos
24	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
⊧ ב		Tarren-14/0 - h		
5	For (SMPB-FF Normal)		E400NF	01 No.
8	400A TP MCCB 25KA (To Existing SMPB 400A)	Terasaki/Schneider	E400NF	01 No.
ន	250A TP MCCB 25KA (SPARE)	Terasaki/Schneider	EDENCE	
G	200KVAR PFI PLANT	01 SET	SET.	
	Power Factor Capacitor 12.5kVAR	Enerlux/Eqv.	PRT.4412	04 Nos.
	Power Factor Capacitor 25kVAR	Enerlux/Eqv.	PRT.4425	06 Nos.
	Mag. Contractor ZZA-AC3 for 12.5KVAR	Terasaki/Schneider	TC-22b	04 Nos.
	HAC Friess with hanne 20A	Terasaki/Schneider	TC-50a	06 Nos.
	HRC Fuses with bases 52A	DF Elec/Eqv.	Double Zero	12 Nos.
6	Reactive Power Factor Controller	Entes/Env	10 Ctona	18 NOS.
8	ON/OFF Push Button.	Terasaki/Schneider	22MM	20 Noc
8	ON indication.	Terasaki/Schneider	22MM	10 000
₽ :	Auxiliary Contactor (4NO+4NC).	Togami/Schneider/Eqv.	AK-8JS44	03 Nos.
= \$	Ĕ	Terasaki/Schneider	EPC	03 Nos.
4	Culterit Itansformer 800/5A	Metelx/Fico/Eqv	LVP	01 No.
4	Surge Suppressors	GG I/Camsco/Edv	3 Position	01 No.
15	Exhaust Fan with Dust Cassettes.			SUNOS.
16	Temperature Regulator 0~50c	Imported.	220VAC	ON NO.

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01 No.

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Quotation for L.V. Switchgear. M/s: The Executive Engineer Ref: D/FM/449623/14103 Dated: 24

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F	BUS COUPLER-2			
28	800A TP ACB 65KA	Terasaki/Schneider	AR208S	OH No.
38	Notor Mechanism for ACB	Terasaki/Schneider	MOM	01 No.
32	Shurt Trip Coil for ACB	Terssaki/Schneider Terssaki/Schneider	UVI eT	01 No.
05	Indication ichts (ON+OFF)	Teresski/Schoolder	01 1 2d T.ao	
8	ON/OFF Push Button	Himel/ Schneider	20mm	02 NOS.
6	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos
- ;	Incoming From 200KVA Transformer-2			
ъ	1250A TP ACB 65KA	Terasaki/Schneider	AR212S	OI No.
8	Motor Mechanism for ACB	Terasaki/Schneider	MOM	ON No.
8	Under Voltage Trip for ACB	Terasaki/Schneider	UVT	OI No.
2	Shunt Trip Coil for ACB	Terasaki/Schneider	ST	OI No.
B	Digital Voltmeter 0~600 V	Entes/Camsco/Eqv	96mmX96mm	O1 No.
8	Volt Selector Switch	GGT/Camsco/Eqv	4 Position	01 No.
58	Ulgital Ampere Meter	Entes/Camsco/Eqv	96mmX96mm	Of No.
gg	Current Transformer 1200/EA	GGT/Camsco/Eqv	4 Position	Ol No.
96	Indication 1 inhts /R+V+R+ON+OFE)	IVIETEIX/FICO/EQV		03 Nos.
: =	ON/OFF Push Button	Himel/ Schneider	22mm	SON CO
12	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
-	OUTGOING			
5	400A TP MCCB 25KA For (SMPB-GF Normal)	Terasaki/Schneider	E400NF	01 No.
8	400A TP MCCB 25KA (To Existing SMPB 400A)	Terasaki/Schneider	E400NF	01 No.
ន	250A TP MCCB 25KA (SPARE)	Terasaki/Schneider	E250.SF	02 Noe
¥	200KVAR PFI PLANT		01 SET.	04 1009.
δ	Power Factor Capacitor 12.5kVAR		PRT.4412	04 Nos.
88	Power Factor Capacitor 25kVAR	Enerlux/Eqv.	PRT.4425	06 Nos.
32	Mag. Contactor 22A-AC3 for 12.5KVAR	Terasaki/Schneider	TC-22b	04 Nos.
5 8	HRC Fuses with bases 32A	I Erasakli/Schneider	1C-50a	06 Nos.
06	HRC Fuses with bases 63A	DF Elec/Eav.	Double Zero	12 NOS
07	Reactive Power Factor Controller.	Entes/Eqv.	12-Steps.	01 No.
8	ON/OFF Push Button.	Terasaki/Schneider	22MM	20 Nos.
8	ON indication.	Terasaki/Schneider	22MM	10 Nos.
₽	Auxiliary Contactor (4NO+4NC).	Togami/Schneider/Eqv.	AK-8JS44	03 Nos.
3=	OA CUTILIOI MICE TOF PROTECTION	lerasaki/Schneider	EPC	03 Nos.
13		MetelX/FICO/EqV GGT/Camsco/Env	3 Docition	ON NO.
4	Surge Suppressors.		PEMPAK.	30 Nos
15	Exhaust Fan with Dust Cassettes.	Imported	2201/AC	01 No.
	Iemperature Regulator 0~50c BIIS COLIDI FR-3		0UA022	01 No.
σ	1250A TP ACB 65KA	Terasaki/Schneider		Od No
8	Motor Mechanism for ACB	Terasaki/Schneider	MOM	
8	Under Voltage Trip for ACB	Terasaki/Schneider	UVT	01 10
5	Shunt Trip Coil for ACB	Terasaki/Schneider	ST	01 No.
5	Indication Lights (ON+OFF)	Terasaki/Schneider	Led Type	02 Nos.
86	ON/OFF PUSN BUTTON	Himel/ Schneider	22mm	02 Nos.
5 2	GENERATOR SYNCHRONIZATION PANEL	I Erasaki/ocnnelger	EFC	03 Nos.
9	800A TP ACB 65kA From (Gen-3)	Terasaki/Schneider	AR208S	ON NO
8	400A TP MCCB 36kA From (Gen-4)	Terasaki/Schneider.	S400CJ	01 NO
ខុខ	400A 4P Magnetic Contactor-AC3	Terasaki/Schneider.	TC4-400a	01 No.
5	synchronizing & Load Sharing Module with (Battery and Battery Charger)	Deep Sea/Eqv	DSE 8610	02 Nos.
05	Motor Mechanism for ACB.	Terasaki/Schneider	MOM	02 Nos
8	Under Voltage Trip for ACB.	Terasaki/Schneider	UNT	02 Nos.
58	Shurt Inp Coli for ACB. Ministure Bolow	Terasaki/Schneider	ST	04 Nos.
gg	Milliature Relay Dicital Amnere Meter	Finder/Eqv	8Pin	08 Nos.
10	Ampere Selector Switch	Enles/Camsco/Eqv GGT/Camsco/Eqv	96x96MM 4-Position	02 Nos.
.				11100

Page 4/5 Quotation <u>M/s: The</u> Ref: D/FN	<u>Page 4/5</u> Quotation for L. V. Switchgear. Mis: The Executive Engineer Ref. D/F/M/449623/14103 Dated: 24-08-22	
F	Digital Volt Meter	Entes/Camsco/For
12	Volt Selector Switch	GGT/Camsco/Edv
13	Current Transformer. 800/5A.	
14	Current Transformer. 400/5A.	Meteix/Fico/Eqv
15	Auto/Manual Switch	Camsco/GGT/Env
16	On/Off Push Buttons	Himel/Schneider/F

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96MM

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			SUB MAIN PANEL BOARD (SMPB-FF Normal)
02 Nos.	S160SCF	Terasaki/Schneider	15UA IP MCCB 25KA (SPARE)
01 No.	E250SF	Terasaki/Schneider	250A TP MCCB 25KA (SPARE)
<u>}</u>			For (Emergency)
01 No	E250SF	Terasaki/Schneider	250A TP MCCB 25KA For SMPB-GF
			OUTGOING
06 Nos	EPC	Terasaki/Schneider	6A Control MCB for Instrument Protection.
10 Nos.	Led Type	Terasaki/Schneider	Indication Lights (R+Y+B+ON+OFF)
04 Nos.	22MM	Himel/Schneider/Eqv	On/Off Push Buttons
02 Nos.	3-Positions	Camsco/GGT/Eqv	Auto/Manual Switch
06 Nos			Current Transformer 400/5A.
06 Nos.		Matoly/Fico/Fac	Current I ranstormer. 800/5A.
02 Nos	4-Position	GG I/Camsco/Eqv	12 VUIL DELECTOR DWITCH

5	OUD WAIN FANEL BUAKU (SMPB-FF NOFMAI)		01-Set	
ני	Description of Component	Make	Model	Quantity
4	INCOMING			auminy
6	400A TP MCCB 25KA	Terasaki/Schneider	E400NF	01 NO
02	Digital Volt Meter 0~600V	Entes/Schneider/Eav	96x96mm	01 No
03	Volt Selector Switch	GGT/Camsco/Edv	4-Position	01 No
8	Digital Ampere Meter 0~400A	Entes/Camsco/Eav	96x96mm	01 No
02	Ampere Selector Switch	GGT/Camsco/Edv	4-Position	01 No.
90	Current Transformer 400/5A	Metelx/Fico/Eav	1 VP	03 Nos
20	Indication Lights (R+Y+B)	Himel/Schneider	Led Type	03 Nos
88	6A Control Fuse for Protection.	Terasaki/Schneider	EPC 75%	03 Noe
8	OUTGOING			00100
01	100A TP MCCB 10KA For DB's	Terasaki/Schneider	E100SF	OF Noe
02	100A TP MCCB 10KA (SPARE)	Terasaki/Schneider	E100SF	03 Noe

05	DISTRIBUTION BOARD (PDB)		05-Sets	
Sr.	Description of Component	Make	Model	Duantity
A	INCOMING			
5	100A TP MCCB 10KA	Terasaki/Schneider	F100SF	01 No
62	Digital Volt Meter 0~600V	Entes/Schneider/Fov	96x96mm	
ខ	Volt Selector Switch	GGT/Camsco/Fov	4-Position	
8	Indication Lights (R+Y+B)	Himel/Schneider	I ad Tyna	OS Noe
9 Q	6A Control Fuse for Protection	Terssaki/Schnoider	MC TWO	00 100
В	OUTGOING			00 1008
5	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	21 Nos
8	20A DP MCB 6KA	Terasaki/Schneider		
ဗ	25A TP MCB 6KA	Teracaki/Schnoider		04 100
				ULINO.
				- - -

90	SUB MAIN PANEL BOARD (SMPB-GF Normal)		01-Set	
Sr.	Description of Component	Make	Model	
A	INCOMING			Mualiuty
0	400A TP MCCB 25KA	Terasaki/Schneider	FADONE	01 No
8	Digital Volt Meter 0~600V	Entes/Schneider/Fov	06v96mm	No.
ខ	Volt Selector Switch	GGT/Cameco/Edv	4 Docition	01 10
8	Digital Ampere Meter 0~400A	Entes/Camero/Env	Devoemm	
65 02	Ampere Selector Switch	GGT/Cemeco/Eau	A Decition	
8		CO I COILISCUI LUV		UT NO.
8	- 1	Metelx/Fico/Eqv	LVP	03 Nos
20	Indication Lights (R+Y+B)	Himel/Schneider/Fov	I ed Tyne	03 Noe
80	6A Control Fuse for Protection	Terasaki/Schneidr/Env	+	
۵	OUTGOING			100 1005
6	100A TP MCCB 10KA For DB's	Terasaki/Schneider	E1006E	10 Non
02	100A TP MCCB 10KA (SPARE)	Teresti/Schoolder		1010
				01 NO.

for L. V Switchgear. Page. 5/5 Quotation for L. V Switchge. M/s: The Executive Enginee Ref: D/F/M/449623/14103

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<u>9er</u> Dated: 24-08-22

Quantity 01 No. 03 No. 03 No. 21 Nos. 02 Nos. 01 No. Model 96x96mm 4-Position Led Type MCB Type <u>Е</u> 100 10-Sets amsco/Eqv Schneider/Eqv chneider Make Entes/6 GGT/C Terasc Teras: Teras: Teras: era DISTRIBUTION BOARD (PDB) Description of Component ction A TP MCCB 10KA tal Volt Meter 0-600V Selector Switch cation Lights (R+Y+B) Control Fuse for Protecti MCB 6KA 88888 288 <mark>اي</mark> ا

88	SUB MAIN PANEL BOARD (SMPB-FF Emergency)	0	01-Set	••
Sr.	Description of Component	Make	Model	Quantity
A	INCOMING			
0	250A TP MCCB 25KA	Terasaki/Schneider	E250SF	01 No
02	Digital Volt Meter 0~600V	Entes/Schneider/Eav	96x96mm	01 No
8	Volt Selector Switch	GGT/Camsco/Egv	4-Position	01 Nn
6	Digital Ampere Meter	Entes/Camsco/Eqv	96x96mm	01 No
02	Ampere Selector Switch	GGT/Camsco/Eqv	4-Position	01 No
8	Current Transformer 250/5A	Metelx/Fico/Eqv	LVP	03 Nos.
07	Indication Lights (R+Y+B)	Himel/Schneider/Eav	Led Type	03 Nos
08	6A Control Fuse for Protection.	Terasaki/Schneider	EPC	03 Nos
Ю	OUTGOING			
6	63A TP MCCB 10KA For DB's	Terasaki/Schneider	E100SF	05 Nns
62	63A TP MCCB 10KA (SPARE)	Terasaki/Schneider	E100SF	03 Nos.
60	DISTRIBUTION BOARD (LDB)		05 Cofe	
Ŭ,	Description of Component			
	INCOMING	Mare	MIOGEI	uuantiry
5	63A TP MCCB 10KA	Terasaki/Schneider	L F100SF	01 No
8	Digital Volt Meter 0~600V	Entes/Schneider/Eav	96x96mm	OI NO
8	Volt Selector Switch	GGT/Camsco/Eqv	4-Position	01 No
8	Indication Lights (R+Y+B)	Himel/Schneider/Eav	Led Type	03 Nos
02	6A Control Fuse for Protection.	Terasaki/Schneider	MCB Type	03 Nos
ß	OUTGOING			

٥				
2	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	24 Nos.
10	SUB MAIN PANEL BOARD (SMPB-GF Emergency)	0	01-Set	
s.	Description of Component	Make	Model	Duantity
∢	INCOMING		000	Auditury
0	250A TP MCCB 25KA	Terasaki/Schneider	F260SF	01 No
02	Digital Volt Meter 0~600V	Entes/Schneider/Fov	06Y06mm	01 NO
<u>ю</u>	Volt Selector Switch	GGT/Camsco/Eov	4-Position	01 No.
8	Digital Ampere Meter 0~250A	Entes/Camsco/Forv	96x96mm	01 No.
65	Ampere Selector Switch	GGT/Camsco/Edv	4-Position	01 No
90	Current Transformer 250/5A	Metelx/Fico/Eav	I VP	O3 Nos
<u>_07</u>	Indication Lights (R+Y+B)	Himel/Schneider/Eav	l ed Type	03 Nos
8	6A Control Fuse for Protection.	Terasaki/Schneider	EPC.	03 Noe
m	OUTGOING			00 1009.
10	63A TP MCCB 10KA For DB's	Terasaki/Schneider	E100SE	10 Noe
02	63A TP MCCB 10KA (SPARE)	Terasaki/Schneider	E100SF	01 No
	UIS I KIEN I ION BOAKD (LDB)	-	10-Sets	
Sr.	Description of Component	Make	Model	Duantitu
A	INCOMING			Automa a
ò	63A TP MCCB 10KA	Terseski/Schneider	[E4006E	04 M

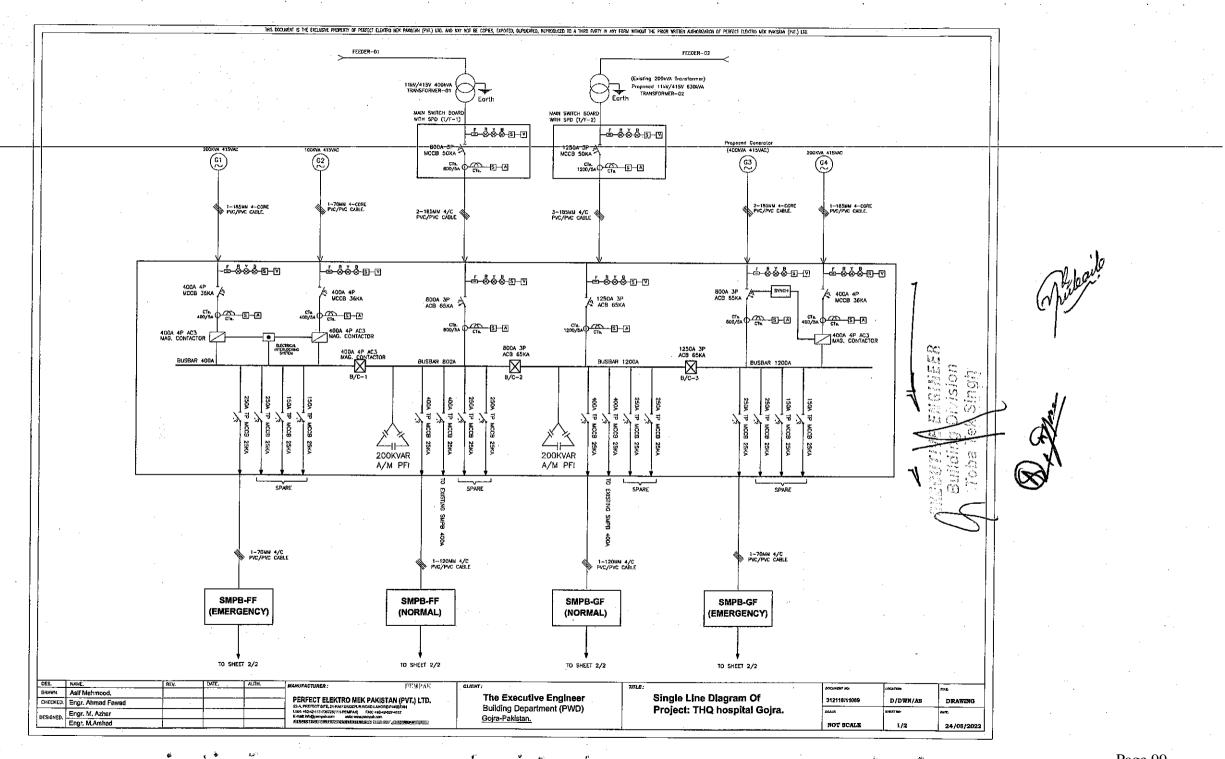
0	Description of Component	Make	Model	Duanfitu
۷	INCOMING			waanury
9	63A TP MCCB 10KA	Terasaki/Schneider	F100SF	01 No
02	Digital Volt Meter 0~600V	Entes/Schneider/Fav	96v06mm	
ន	Volt Selector Switch	GGT/Camsco/Edv	4-Doeition	
8	Indication Lights (R+Y+B)	Himel/Schneider/Eav		01 NO.
33	6A Control Fuse for Protection.	Terasaki/Schneider	MCB TVD	
m	OUTGOING		2461-00-01	202 00
9	10/16/20A SP MCB 6KA	Terasaki/Schneider		24 Noc
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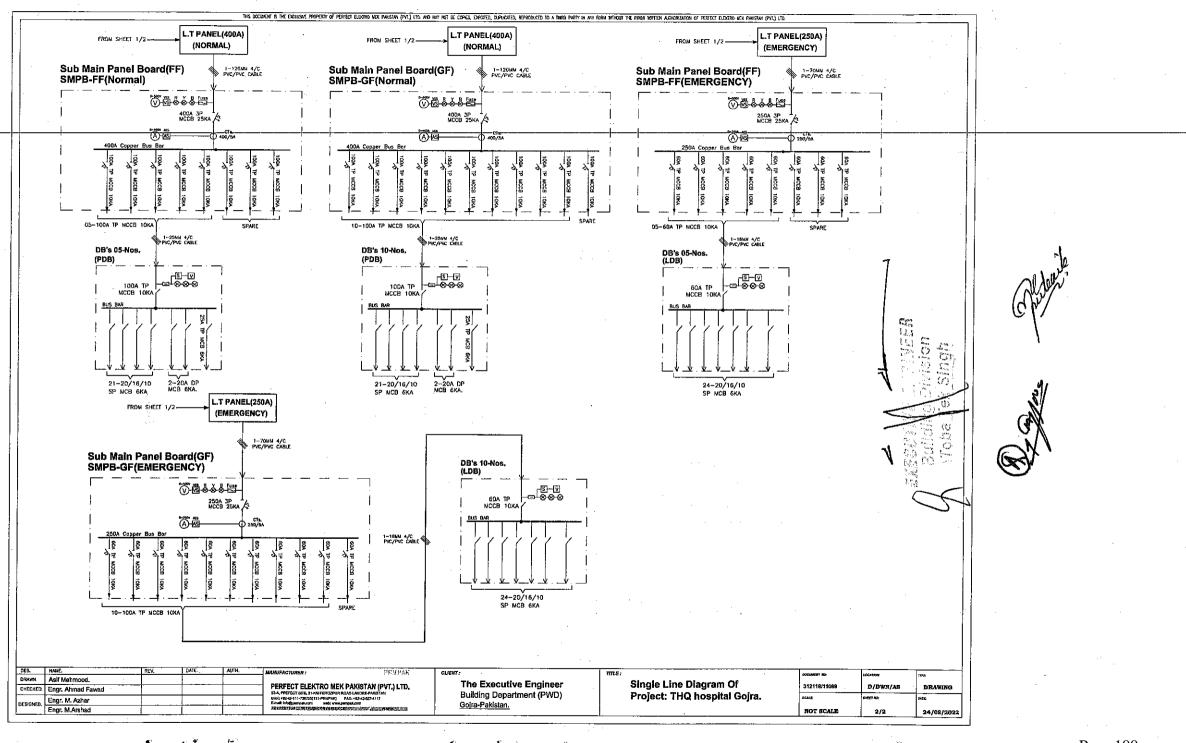
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awad Engr. Ahmed Fawad Manager Marketing 0345-400-9981



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1 x 48.000 x 13 = c^24 Str 1 x 72000 x 19 = 1786 Str 1 x 7000 x 17 = 6^{228} Str 1 x 60.000 x 6 = 4^{325} Str 1 x 60.000 x 36 = 702 Str 1 x 60.000 x 36 = 4^{325} Str 1 x 10.000 x 101 = 3^{324} Str 1 x 110.000 x 10 = 3^{324} Str 1 x 10.000 x 101 = 3^{3294} Str </td <td></td> <td>F</td> <td>×</td> <td>210.000</td> <td>×</td> <td>0</td> <td>·</td> <td></td> <td>11</td> <td>1890</td> <td>SĦ</td> <td></td>		F	×	210.000	×	0	·		11	1890	SĦ	
1 x 72000 x 19 = 1368 Str 1 x 34,000 x 17 x 36,000 x 17 x 36,000 Str 1 x 100 Str 100 Str 1 x 100 Str 1 100 Str		F	×	48.000	×	13			11	624	E.	
1 × 7200 × 9.75 = 702 St 1 × 64.000 × 6 = 5528 St 1 × 64.000 × 6 = 565 St 1 × 1 × 96.000 × 7 = 700 St 1 × 1 × 96.000 × 101 = 455.55 St 1 × 1 × 96.000 × 101 = 3504 St 1 × 10.000 × 10 = 36794 St 1 × 10.000 × 10 = 36794 St 11 × 10.000 × 10 = 36794 St 11 × 100.000 × 100 = 36794 St 1100.01 × 100 = 38794 × 100 = 36794 St 1100.01 × 100 <td></td> <td>1</td> <td>×</td> <td>72.000</td> <td>×</td> <td>19</td> <td></td> <td></td> <td>11</td> <td>1368</td> <td>EHS.</td> <td></td>		1	×	72.000	×	19			11	1368	EHS.	
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1 \times 60.000 \times 6 $=$ 360St7 \times 64.000 \times 75 $=$ 4852 51 7 1 \times 96.000 \times 36.5 $=$ 4852 51 7 1 \times 96.000 \times 36.5 $=$ 4852 51 7 1 \times 96.000 \times 36.5 $=$ 3504 51 7 1 \times 110.000 \times 101 $=$ 35794 51 7 1 \times 110.000 \times 101 $=$ 36794 51 7 1 \times 110.000 \times 101 $=$ 36794 51 7 1 \times 110.000 \times 101 $=$ 36794 51 7 1 \times 110.000 \times 101 $=$ 36794 51 7 1 \times 110.000 \times 101 $=$ 36794 51 7 1 1 1 1 1000 1010 1010 1010 7 1000 1000 1000 1000 1000 1000 1000 8100 1000 1000 1000 1000 1000 1000 8100 1000 1000 1000 1000 1000 1000 8100 1000 1000 1000 1000 1000 1000 8100 1000 1000 1000 1000 100		1	×	384.000	×	17			11	6528	Sf	
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Providing and Laying sub base course of stone peodust of approved quality and grade ic placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density lic carriage of all material to site of work. 38794 x 0.25 = 9699 Crh 3 38794 x 0.25 = 9699 Crh 3 Chai = 9699 Crh 3 Bull Division of the site							201	L		· ·		(Lan 19)
Providing and Laying sub base course of stone peodust of approved quality and grade to placing, mixing, speading and compaction of sub base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work. 38794 x 0.25 = 9599 Crit 38794 x 0.25 = 9599 Crit Total = 9599 Crit Say Rs = say					÷			14		0 4		COCA-U
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+326908 /-	₩Ѕ %.Я	15228.62	78413 Sfi	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. 4.5% Bitumen (2" Thick)	9
-/ 829199 -/ 4/280%	₩S %.q	5502 42- 215 22	78413 Sf	לאבע Providing and Iaying bitumenious priming -coat, using 10 Lbs carosin oil and 10 lbs binder per 100 Sft	S
-1 3741712	P.% Cft	29.72922	9471 Cft	Providing & Laying Base Course of crushed stone aggregate from Kirana quarry of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified ASHTO dry density, including carriage of all materials to site of work, complete in all respect.	
-/ 021681	ਜ਼ੋਸ਼ ਕ	92.80	3582 Rft	Providing and laying road edging of 3" wide and 9" deep brick on edge complete in all respect.	3
-1 29008	₽.% Sf	458.30	#S E017	Scarifying old road surface including removal of debris within 1 chain	5
2803 1-	P.% Cft	863.50	672 Cft	Dismantling dry brick masonry i.e. existing road edging 3" wide & 9" deep brick on end.	٦
jnuomA	tinU	eteЯ	Quantity	Description of items	o: it:
1671 = HTƏI	зн' геи	TEK SINC	ABOT TOBY	<u>Teos to toanteea</u> SIG ARLOD (DHT) JATIGSOH ABTRAUQUABH JISHBT NI QAOR TO SNIGMB <u>RFT</u>	ΕΛ
	p '	يۇل ئۆر مەربى		Page 102	

camber, grade and density. 4.5% Bitumen (2" Thick)

	10.00
Page	103

Description of items

Road Structure

6504584 -1-0005592-	o` 7	Rs.	λε2	
6504587 -1989597 -1989597	:IsfoT ?^c		·····	
	руо%. Ч	3720.00 6300.00	569 CH 2443 Nos	D/q Buck Bate 201 × 40% = 500 Cff D/q Bucke 201 × 60% × 13:20 = 4028 Noz
-/ £996692-	Total:			
-712548902	Each	423.80	.soN 782	Providing & fixing Cat Eyes of size 4" x 4" x 3/4" of approved quality & shape etc complete.
-/ 1664391	Чэв∃	48.20	4033 또(Providing and laying 1.50 mm thick road Lane Marking with thermoplastic paint i/c the cost of porter / ballotini / glass beads for retro-reflective visibility in the ratio of 250 grms / Sq.meter etc. complete in all respect.

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Tona Tek Singh Building Sub Division Building Sub Division 習得の上 UDISI (m) U J HE

DETAIL OF QUANTIN

(THQ) TEHSIL GOJRA <u>OF ROAD IN TEHSIL HEADQUARTER HOSPITAL (THO</u> DISTRICT TOBA TEK SINGH, LENGTH = 1791 RFT

of road

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	Overlay on Existing 10' wide Carpet road	4 Overlay on Existing 10' wide Carpet road	4" Overlay on Existing 13' wide Carpet road	4" Overlay on Existing 10 wide Carpet road	4* Overlay on Existing (18+16)/2' wide Carpet road	4* Overlay on Existing 36' wide Carpet road	4* Overlay on Existing 17 wide Carpet road	4* Overlay on Existing 10' wide Carpet road	4" Overlay on Existing 28" wide Carpet road	4 Overlay on Existing 16 wide Carpet road	. 4" Overlay on Existing 9' wide Carpet road		4" Overlay on Existing (32'+66)/2' wide Carpet road	4" Overlay on Existing (31'+42')/2' wide Carpet road	24" Overlay on Existing 11' wide Carpet road	
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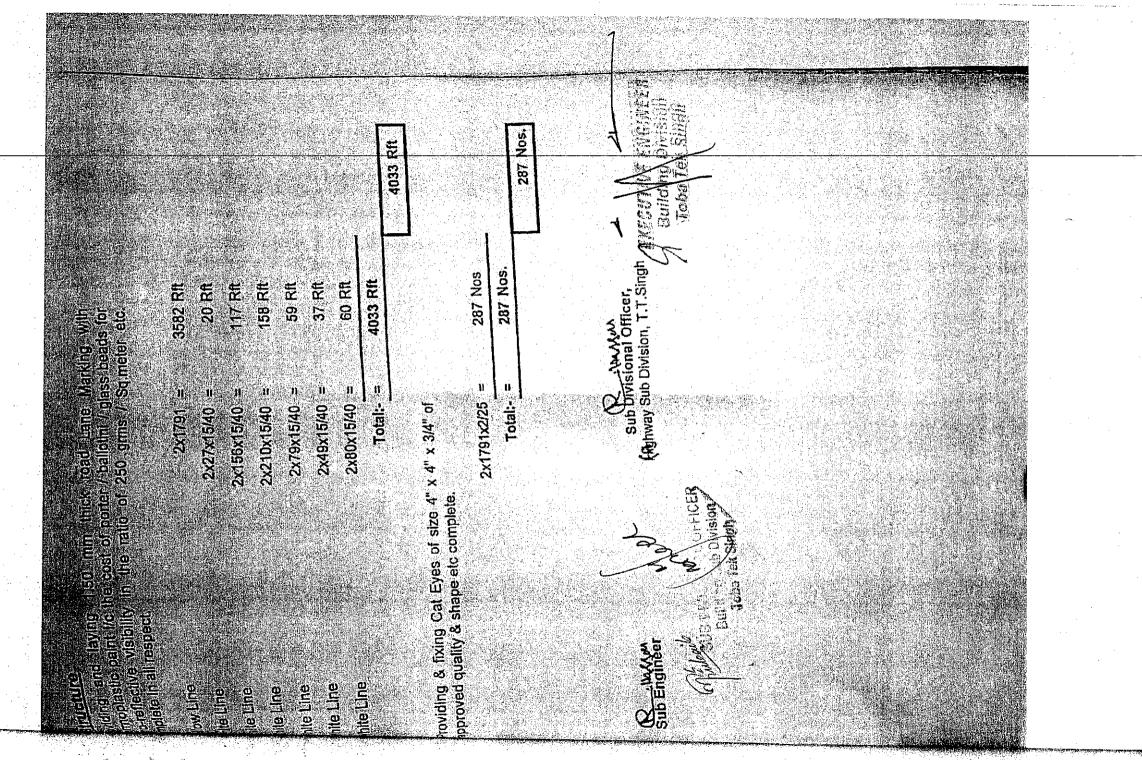
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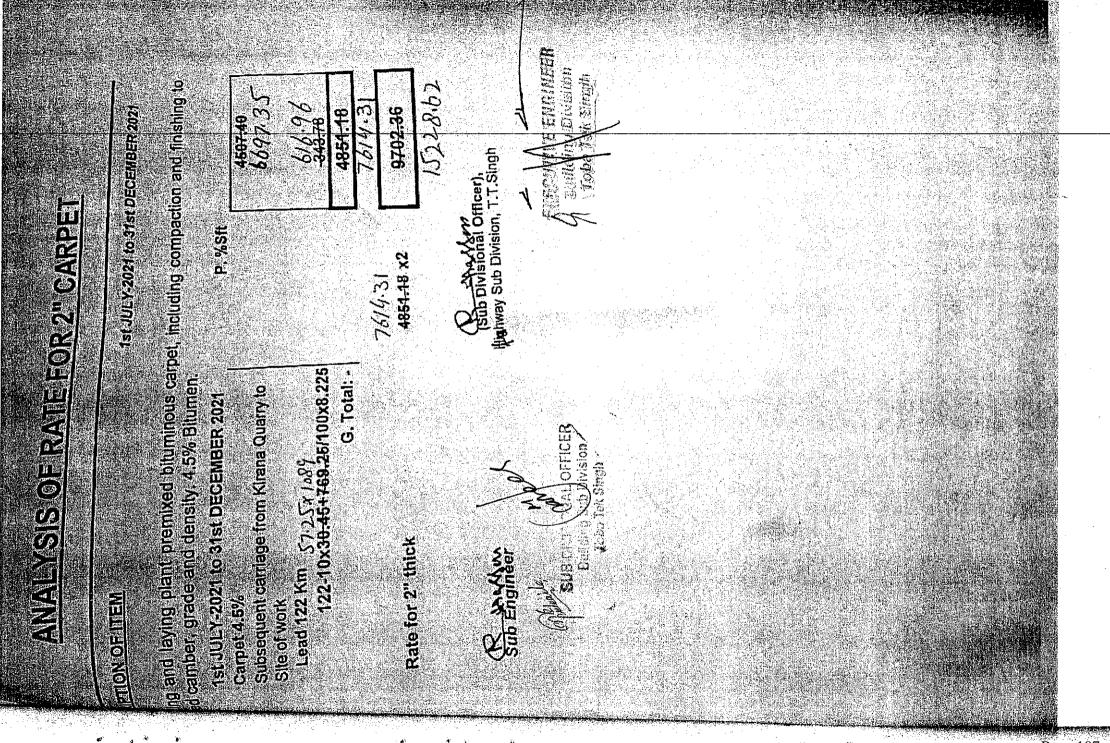
road adging 3" wide & 9" deep

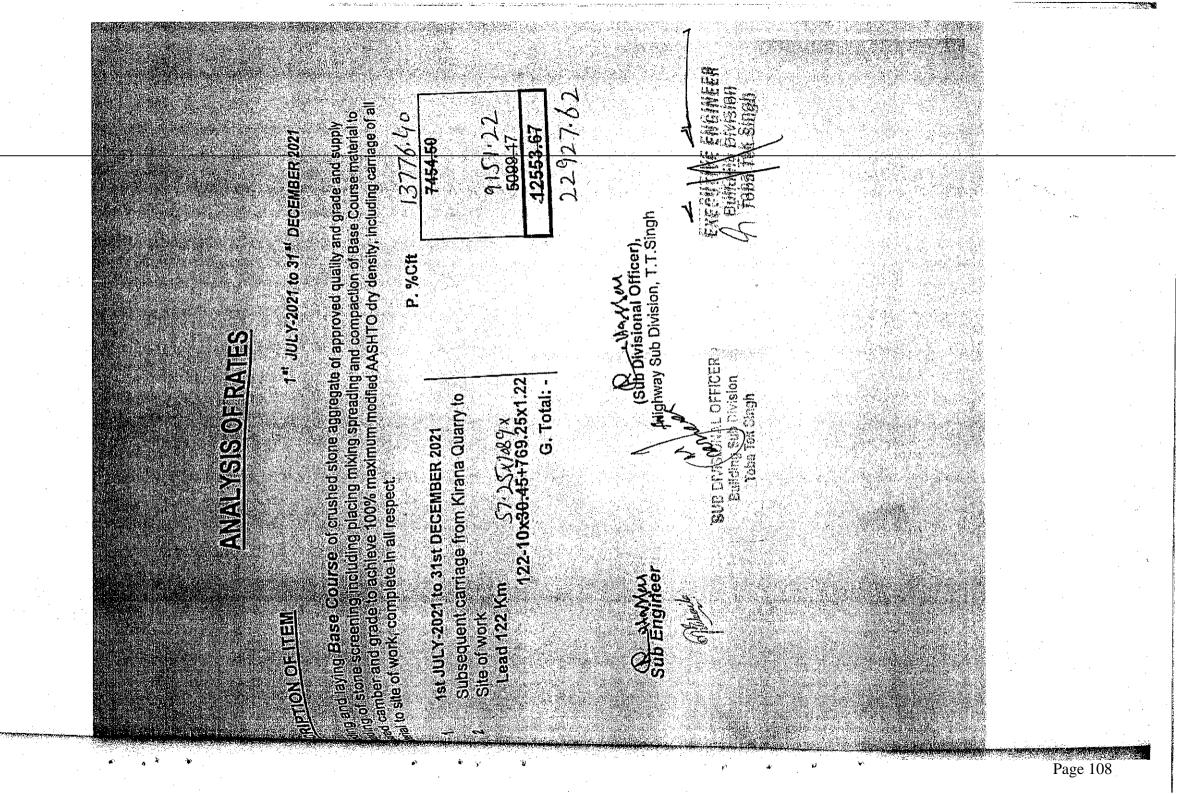
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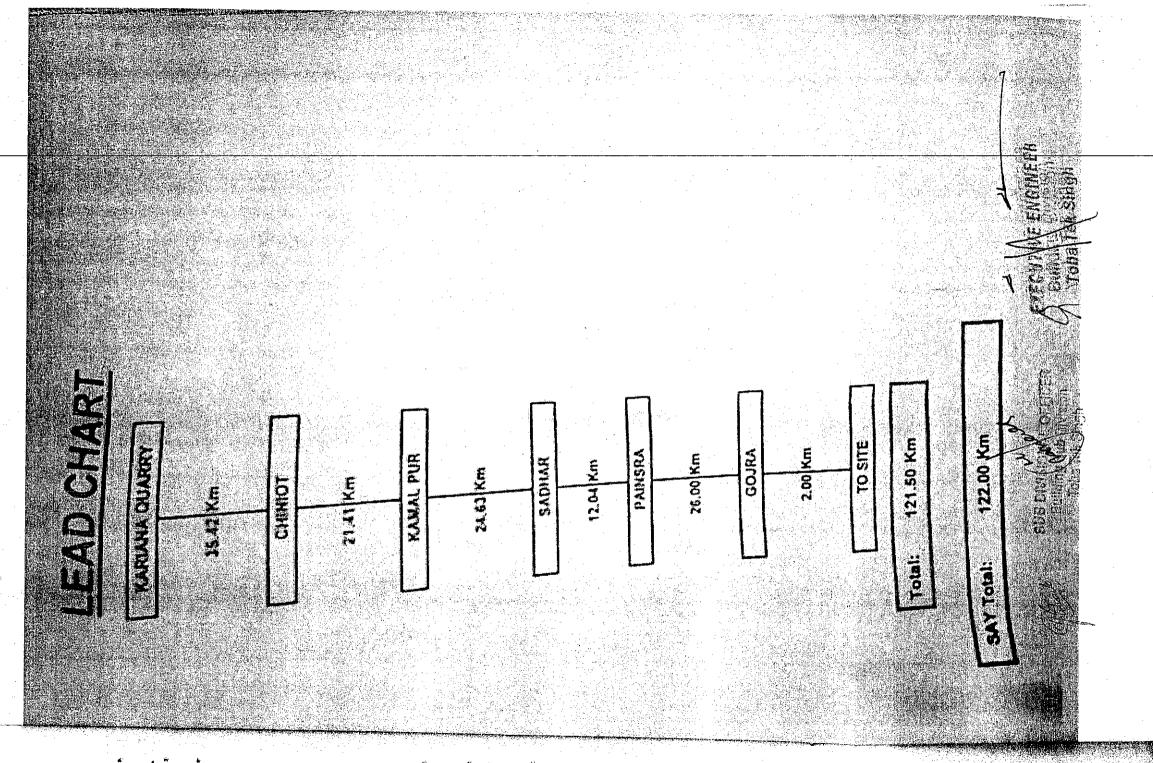
5 672

		94M CM														28413 SH				28413 Sft		
1456 GA 1120 CA 238 CA 242 CA 252 CA 263 CA	9477 CA	sin oll and	1510 SĦ	1220 SH	ne ecur 720 SA	374 Sft	972 SR	1292 Sft	1000 SIT 4368 SIT	3360 Sft	863 Sft	1264 Sft	2401 SR	2920 Sft 5016 Sft	28413 Sft		including sity. 4.5%	28413 SA	28413 Sff		の時代の	
	Xan a sum a su	aying bitumenious priming coat, using 10 Lbs carosin oil and	1x151x10 =		= 01X7X10 =		1x27x36 =	1x76x17 =	= = = = = = = = = = = = = = = = = = =	1x210x16 =	1X105X8(6) =	1x79x16 =		1x80x(31+42)/2 = 1x456x11 =	Total:	Xerista Contra	premixed bituminous carpet, aquired camber, grade and den	As per Item No. 5 =	Total:- =			
																	g and Ion ar	Bitumen (z. unick)				









CONSTRUCTION OF BOOTDANKY WALL CONSTRUCTION OF BOOTDANKY WALL TO AN INCLUSION OF THE CONTRACT MATHEMAN To AN INCLUSION OF THE CONTRAC												36 of 46	
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Even a cost for the perimeter foundation of EqNa is a state from the construction of Gane & Gane Philes is a state of the interval interv								Total		3665	Rft	9/14/855/-	
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COST OF OLD MATTERIAL Old Bridds Old Bridds Old Bridds Dotal H(3327115) Old Bridds Qy as item No.1 11505 x 13.5 x 60% = 93189 No 559135 Bridds batts Qy as item No.1 11505 x 40% x 460.2 Cft 40.2		-	1. 1.	•							1		
Old Brids Old Brids 11505 x 13.5 x 60% = 93189 No 5913 Brids batts Brids batts Brids batts 0.0 willins 0.00 willins 0.0913 Brids batts 11505 x 40% 0.00 willins 0.001 0.9913 Brids batts 0.1505 x 40% 0.000 willins 0.9913 Grill $373+508.20$ 0.0% 0.0% 0.000 $willins$ 0.000 Grill $373+508.20$ 0.0% 0.0% 0.0% 0.000 $willins$ Grill $373+508.20$ 0.0% 0.0% 0.0% 0.0% 0.0% Grill 0.120 $0.\%$ 0.0% $0.\%$ 0.0% 0.0% Glid Cate $3.76x_{2.112}$ 0.0% 0.0% 0.0% 0.0% Glid Cate $3.76x_{2.112}$ 0.0% 0.0% 0.0% 0.0% Glid Cate $3.76x_{2.112}$ 0.0% 0.0% 0.0% 0.0% Glid Cate 0.0% 0.0% 0.0% 0.0% 0.0% Glid Cate 0.0% 0.0% 0.0%		~						-		lotal	11	-/1EIL2EH1	
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Qty as item No.1 11505 x 40% = 4000 K_{000} <td>*</td> <td>Bricks batts</td> <td></td> <td></td> <td>3</td> <td>BUUU</td> <td>)%</td> <td>Nos</td> <td>•</td> <td>100000</td> <td></td> <td></td>	*	Bricks batts			3	B UUU) %	Nos	•	100000			
Grill 373+508x2 = 1389 Kg 166680 Old Gate 376x2.12 = 797.12 Kg 166680 (205x85)+(155x6.167) (205		Qty as item No.1	11505		6	4400		4602		848/	0		
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V TATAT	Pacca brick work in foundation and Plinth 1:6 in cement sand mortar	4 Total	ھ Ks: P/L RCC in roof slab beam column lintel girder and other structure member 1:2.4 م سامنی	4	Total Rs:	5		fr. tal Rs.	Cement pointing deep struk joint 1.2 with red oxide viament	ar Maria	Total Rs:		893					
	th 1:6	× (@ ntel g	x	ß	n mt c g in		Ś	with	e E e	6	Į			Executive Buildings Toba Te			·
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	Pacca brick v sand mortar		P/L RCC in roof slab beam column li other structure member 1:2:4 c mulate			Fabrication of A concrete i/c c Demformed Bar.			Cement piament	0					Sub Divisional Officer, Buildings Sub Division, Toba Tek Singh.			
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WATER SUPPLY / SEWERAGE

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there in all kinds of soli, from ground level, includ to ground level, includ to yrade and cutting pits 1 \times 18 1 \times 18 1 \times 18 1 \times 16 1 \times 26 1 \times 25 1 \times 25 25 25 25 25 25 25 25 25 25	r water sides, li e in all i	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	~	×	×	×	×	×	×			@ 7 ensity F ipects:-		@ 1 ensity H pects:-	
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there in all kinds of soli, from ground level, includ to ground level, includ oct grade and cutting pits 1×18 1×18 1×26 1×77 1×73 26 1×71 1×74 1×74 26 1×74 1×74 26 1×74 1×74 26 25 cutting presure pipe in trenc s.	r cuung, a ming, a ts, etc.	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×			infectin implete		Rft infectin implete	R# R#
Excavation of treheches in all kinds of the from ground level, inc trenches to correct dyrade and cutting, in the trenches to correct dyrade and cutting in the trenches to cost of specials. Fronviding laying, cutting, iointing, testi (HDPE-100) working presure pipe in the the trenches to cost of specials.	sult, except sluding trim ofts for join	187.500	49.000	68.000	12.000	26.000	59.000	24.000	16.875	57.125	25,000	75.000	48.875	91.250	68.500	32.500	38.500	25.500	30.000	86.000	47.000	71.500	25.000	41.375	64.000/	41.625	26/250	A3.000	73.375	82.000	49.000			ng and dis enches. cc		2279 ng and dis enches. cc	400 2279
Excavation of trenches in all kin th. (1.5 m) depth from ground le trenches to correct orade and o 4" dia PVC pipe 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	vel, inc vel, inc utting ,	×	×	×	×	×	\times	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	\times	×			g, testi oe in tr		g, testi oe in tr	N H
Excavation of trench ft. (1.5 m) depth fron trenches to correct 4" dia PVC pipe i/c cost of specials froviding, laying, cut (HDPE-100) working i/c cost of specials.	res in an vir 1 ground le vade and c	+	+	>	~	F	+	N	٢	1	+	1	1	٢	1	+	+	-	1	1	-	۲-	-	۱	t -	۴-	-		۲-	+	+		<u> </u>	ting, jointin, presure pij		ting, jointin, presure pij	
	ft. (1.5 m) depth from trenches to correct of	4" dia PVC pipe							•								·																	Providing, laying, cutt (HDPE-100) working	I/C COST OF SPECIALS	Providing, laying, cutt (HDPE-100) working , i/c cost of specials.	For sweet water
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-	<u>d</u>			<u>0</u>		C.I pipe	Each ing, etc.	P.'.	<u>0</u>	P. Gins socket or ry to site there	ם <u>.</u> שני	6	11	N N	-2	50	~Cf		Say		
	524,95	y Polyethylene s:- (PN-16) §	:	349.75	reducer (where ainer, etc.	7	18,331/50 faging and fitting,	© 158.15 UMP (KSB) 2"X2-1/2 VER COMPLETE IN GINEER INCHARGE	1,068,800	430 P. Gins 2.8, with spigot socket or pipe from factory to site cutting pipes where	695.60	nplete (including	1.5 =	1.25 = 0.75 =	0.5 =	Total =	38,178.90				
	0	ig High Densit e in all respect		0	M.S. th sti	Rft @ 1,005.00 "B" i/c cost of jointing material fo	o @ turning, threading,	UMP TER ( GINEI	6	concrete 1:1% g carriage of p rade, jointing,	0	and curing complete (inclu	́х N	~ ~ ×	1 X		8			ED IL OFFICER SONAL OFFICER S SUB DIVISION TEK SINGH	
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. •	2679	sting and di trenches. c	2000	2000	blind pipe socketed/welded joint, hole, including jointing/welding wi n i/d 3,mm) thick	= 300 and weight class	4 N hipes, including	36 ESSURE CI MOTOR FC	1 ons	20000 20000 forcement, cct alignmen complete	110	, compacting, finishing aggregate):Ratio 1:2:4	2.000	2.000	1.000		• .			SUB BUIL	
	. 11	ting, tex pipe in	R	1	Mind pil Iole, inc I/d 3/n	y and v	= =	" dia. = WV PRH CTRIC COVED	= 0 Gall	= ipe, mc of reini o corre ng, etc.,	11	ng, con ne adgi	×.	××	× .		·		ï.	- - - -	
	Total	, cutting, joint king presure (s.		Total	installing M.S. blind pipe socke tubewell bore hole, including jo 1, 1/8" (100 mm i/d 3,mm) thick	of BSS quality all respects.	= fitting C.I. flanges on pipes,	ispect 3" to 6 D FIXING LO 1 10 HP ELEC ER AS APPF	= of O.H.R 20,000 Gallons	ring R.C.C. pl ncluding cost in trenches t ing and testin		ete plain including, washing of stone	19	19	19	· ·					
		Providing, laxing, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects:- (PN-16) 90mm ifc cost of specials.	For Bath	•	Providing and ins necessary), in tu complete 4" i/d, 1	<i>P/F sluice valve (</i> dia complete in a		complete in all respect 3" to 6" dia. = 36 Kg PROVIDING AND FIXING LOW PRESSURE CENTRIFUGAL F COUPLED WITH 10 HP ELECTRIC MOTOR FOR SWEET WA WORKING ORDER AS APPROVED & DIRECTED BY THE EN	Constrainction of		· · ·	Cement concrete screening and wa								SUB ENGINEER	
		: <b>2</b>		1 ¹ • - 57	۰. 4	Q	ω.	<b>۲</b>	œ "	<b>. 5</b> ⊷		10		۰. با	že		\$. ⁷	3		Page	113

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VATER EER Annual 2022	950000 /-	950000 /-	118750 /-	1068750 /-	1068800 /-					· · ·
OTOR FOR SWEET W CTED BY THE ENGINE 2nd Bi.A GAL PUMP (KSB) 2"X2- ET WATER COMPLETE	INEER INCHARGE. 950000.00 Job	Total		Total	Say Rs:	Executive Enigneer, Buildings Division, Toba Tek Singh.		<u>.</u>		
<ul> <li>(KSB) 2"X2-1/2" SIZE COUPLED WITH 10 HP ELECTRIC MOTOR FOR SWEET WATER COMPLETE IN WORKING ORDER AS APPROVED &amp; DIRECTED BY THE ENGINEER INCHARGE.</li> <li>1. Cost OF PROVIDING AND FIXING LOW PRESSURE CENTRIFUGAL PUMP (KSB) 2"X2 1/2" SIZE COUPLED WITH 10 HP ELECTRIC MOTOR FOR SWEET WATER COMPLETE</li> </ul>	KOVEU & DIRECTED BY THE ENG		O.H charge			Sub Divisional Officer, Buildings Sub Division, Toba Tek Singh				
(KSB) 2"X2-1/2" SIZE COUPLE COMPLETE IN WORKING ORI INCHARGE. 1. Cost OF PROVIDING AND FIX 1/2" SIZE COUPLED WITH 101	IN WORKING URDER AS APPE (Quotation attached)		2. Add 12.5% Contractor profite & O.H charge			Maril	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · ·

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10-08-22	C Frt 10 Table D	Cast Iron Cast Iron Tase 400 Volts ± 5 % a common steel frome.	MPS COMPANY LTD	E ENSING	
OUR REF: LEA-15 DATE: 10-08-2	Suction Lift 10 Suction Head 50 BS Clo	a 15 hp/29, 3 Pi	for KSB PU	A Date of the second of the se	
	Terriperature Specific Gravity Permissibie Suction lift CONDITION AT SITE Direction of rotation (seen from drive and) Flange Standard Shaft	uffing box gland uffing box gland Duly co ns/ABB Horizantal Ele	Terms of Payment 100 % advance, Delivery Delivery 8-10 weeks after the reciept of advance payment and firm order. Validity 30 Days. Note: If any tax other than mentioned will impose by the gow, same will be charged inaddition to the price quoted at the time of delivery. Disclamit: Working out the prices of above mentiound engineered products should be adknowledged as KSB's prerogative. This quotation will have no bearing on previously quoted prices anywhere or on pricesto be quoted in future to any prospective client. After expiny of quotation 's validity, KSB reserves the right to change pricesto be quoted to comply with all PPRA Rules as it is its responsibility	ale and suppy of goods No. 86-F I.A Martin Andrew Bekistan - UAN: +92-42-111-572-786 - Tel: +92-42-36304173-4 Aga Khan Road, Lahore, Pakistan - UAN: +92-42-111-572-786 - Tel: +92-42-36304173-4 56878, 36375180 - Email: Entro@ksb.com.pk Senabdal, Pakistan - Tel: +92-57-2520236 - Fax: +92-57-2520237 - E-mail: admin.hasanabdal@ksb.com.pk	· • •
Cluotation Low Pressure Centrifugal Pump Etanorm Dated <u>10-08-22</u> Pump Type <i>Etanorm</i> <u>50-180</u>	E 08	50 Without Civil Works & P	% advance, % advance, weeks after the reciept of advance payment and firm order Days. Days. in the gow. same.will e of delivery. and engineered products should be will have no bearing on previously quoted prices anywhere will have no bearing on previously quoted prices anywhere a After expiry of quotation 's validity, KSB reserves the righ a variable RA Rules as it is its responsibility	Lo general conditions for sails and supply of goods No. 36-+ 1.4 KSB PUMPS COMPANY LIMITED KSB PUMPS COMPANY LIMITED Registered Office: 16/2 Sir Aga Khan Road, Lahore, Pakistan • UAN: +92-42-111-572-786 • Tel: +92-42-36304173-4 Fax: +92-42-36366192, 363275180 • Email: Info@ksb.com.pk • www.kisb.com.pk WORKS: Hazara Road, Hassanabdal, Pakistan • Tel: +92-57-2520236 • Fax: +92-57-2520237 • E-mail: admin.hasana	
nce. Telecon <u>1</u> Pean Water	Electing Cast It	Cast Iron Deep Groove Type Centrifugal Pump Etanorm Standard Standard Blation With in Pump House	100 % advance, 100 % advance, 8-10 weeks after 30 Days. 30 Days. 30 Days. 30 Days. 30 Days. 30 Days. 30 Days. 30 Days. 30 Days. 31 measure after age ative. This quotation will have no any prospective client. After explo- orces fmanufacturing variable orces fmanufacturing variable to comply with all PPRA Rules a	r <mark>r sale and suppy of goo</mark> LIMITED Sir Aga Khan Road, Lahd 6368678, 36375180 En Hassanabdal, Pakistan - ¹	
<ul> <li>YEARS</li> <li>People. Passion. Performat</li> <li>The Executive Engineer</li> <li>Buildings Division Department</li> <li>Toba Tek Singh</li> <li>Customer Reference</li> <li>No. of Pumps</li> <li>No. of Pumps</li> <li>Medium (H20.OIL)</li> </ul>	Capacity Pump total head Speed Pump Input Recommended drive rating Suction Flange i.D (Inch) Discharge Flange i.D (Inch) Prime Mover (SEW/DE) Prime Mover (SEW/DE) Prime Toperifications	Impeller Ball Bearing Scope of Supply 1No. (1) MCU type ASD - 15 KSB S (2) Mechanical & Electrical Insta (2) Mechanical & Electrical Insta (2) Mechanical & Electrical Insta	Terms of Payment Delivery Delivery Validity Note: If any tax other than mentioned will impose by the govt, same will Note: If any tax other than mentioned will impose by the govt, same will be charged inaddition to the price quoted at the time of delivery. Disclam Ir-Working out the prices of above mentiound engineered pro acknowledged as KSB's prerogative. This quotation will have no bearing pricesto be quoted in future to any prospective client. After expiry of quo pricests as a result of market forces /manufacturing variable Procuring agency is requested to comply with all PPRA Rules as it is its	Subject to general conditions for sale and supply of goods No. 46-4 1.4 KSB PUMP5 COMPANY LIMITED KSB PUMP5 COMPANY LIMITED Registered Office: 16/2 Sir Aga Khan Road, Lahore, Pakistan - U Fax: +92-42-36366 192, 36368678, 36375180 - Email: info@ksb-c WORK5: Hazara Road, Hassanabdal, Pakistan - Tel: +92-57-2520	· · · · · · · · · · · · · · · · · · ·
در با مه	general en general de services de la service de la serv Reference de la service de la Reference de la service de la ser			<ul> <li>All All All All All All All All All All</li></ul>	Page 115

	PROVION FOR EXTERNAL LIGHTING.			
-	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.			
	$1 \times 1300.000 \times 1.5 \times 1.5 = \frac{2925}{70481}$	1	ちち	
2	75 %		22297	6
	Total = 1300	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	<i>4</i>	
₩ ₩	Cupply and erection of copper conductor cables for service connection, in prelaid pipe/G.I.         wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440         volts. (7/0.044")         1300.000       528         7828         7828         7828         7828         7828         7828         7828         7828         7828         7828         7828	* * *	238485 ft ft	32
4	30520	t ts,	292846	46
	Engineer in criarge. Single Arm 10 mir negnt.	o No	0	
	$Total = \frac{30}{10}$	ور ا		
Q	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumen sconforming to IP66 & IK 08 or above Philips /Osram /Thornor equivalent with corrosion resist ant diecasted Aluminum housing, silicon gasket inspecial groove, UV stable & scratch resistant synthetic materials, the mally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osrammake or equivalent), programmable LED driver (Harvard/ TCI/ Lumotech /Philips/ VOSSL OHS chwabe /Light echmake or equivalent), minimum10kV surge protection rating <i>ic</i> the cost of alfaccessories/component srequired for properoperation, fully flexible for future upgrad ationand easy replacements for maintenan cepurposes, bucketelevatorcharges as approved and directed by	are ov	1062240 -3186873	9 X
	1	0 No	0	
1	Total = $30$ (0 59,662.00 Each	8	536620.	~ ¥
:	Total Say Rs	11 11 S	22.12.540 -563000 -563000	00000
	SUB ENGINEER SUB ENGINEER BUILDINGS SUB DIVISION TOBA TEK SINGH		Single and	1

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Sr. Description	No		Length		Breadth		Depth		Contents	Amount
L Excavation in foundtion for building i/c dag belling, dressing, refilling around structure watering and ramming lead upto one chain and lift upto 5-ft in ordinary soil.										
	×		×	3-1/2		×	2 Total	= @ 1067	172 Cft 172 Cft 7.75 %oCft	Rs.1837/-
2 Dry rammed brick or stone ballast, 1½" to 2" gauge.	×	3.5	×	3-1/2		×	1/2 Total	" " @	43 Cft 43 Cft 43 Cft 1.50 %Cft	Rs.3823/-
3 R.C.C in slab of raft / strip foundation basis slab 1:2:4			•							n. 2
	~ ~ ~ ~	3 2 1-1/4	4 × × ×	3 2 1-1/4		× × 1 × × 1-1/ 11		6	63 Cft 42 Cft 120 Cft 225 Cft 7.75 P.Cft	Rs.102994/-
4 Fabrication of mild steel reinforcement for cement concrete i/c cutting binding etc laying in position (D. bars)							. 3			
Take qty item No.3		225	×	6.75		x 0.454 Totai	-	= = @ 31394	690 Kg 690 Kg 4.70 %Kg	Rs.216623/-
5 Pacca brick work OTB (1:4) 7 x	7 X	2	+	1-1/4	)x 0.4 x		7	@ 31.36	133.365.10 %Cft	Rs.58868/-
6 Providing and laying superb quality Porcelain glazed tiles skirting/ dado of MASTER brand of specified size in approved design, Color and Shade with adhesive / hond curve										
J/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and			ч.							
directed by the Engineer Incharge (a) Full body Glazed tiles 600 mm x 600 mm.	·			5					:	
7 Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" and ¾" (20 mm) square bars 4" (100 mm) centre to	× N	0	×	N	<ul> <li>.</li> <li>.</li></ul>	× 11 Tot			616 Sft 616 Sft 340,55 P.Sft	Rs.209779/-
		20 4-1/4 15-1/2 3-3/4			· · · · · ·	x 8-1/2 x 8-1/2 x 8-1/2 x 8-1/2 Total	٩	1,924	170 Sft 36 Sft 132 Sft 96 Sft <b>434</b> Sft 845 P.Sft	Rs.836947/-
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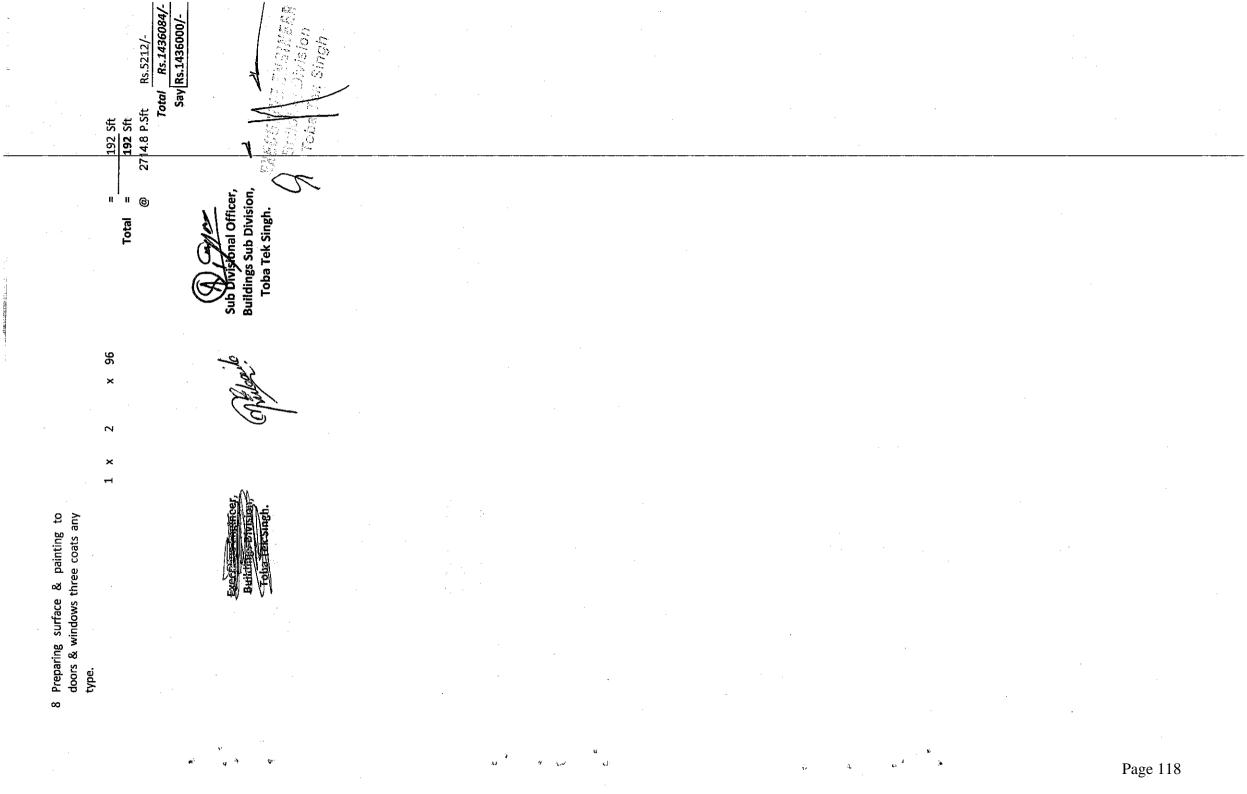
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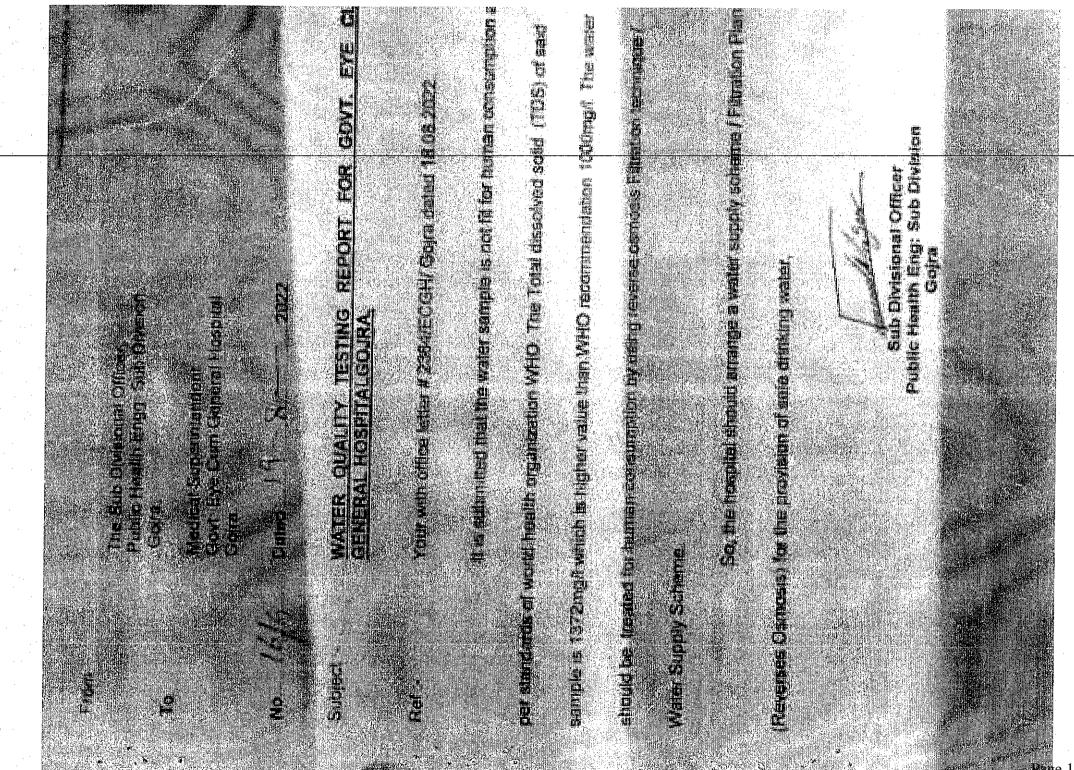


		DISTRICT V PUBLIC H	GOVERNMENT OF THE PUNJAB DISTRICT WATER TESTING LABORATORY PUBLIC HEALTH ENGG: DEPARTMENT TOBA TEK SINGH	PUNJAB LABORATORY PARTMENT H		•
	•	CHEMICAL & MICROBIOL	MICROBIOLOGICAL ANALYSIS REPORT OF WATER SAMPLE	S REPORT OF WA	TER SAMPLE	
¢	<b>~</b>			Laboratory No:9432		
» بر که	0 0 <del>4</del>		ital	8. Date of Sampling:10.08.2022 9.Date of Receipt in lab:10.08.2022 10.Date of Analvsis:10/08.2022	.08.2022 8.10.08.2022 08.2022	
\$0	ບີບີ	District & Tehsil. Sampled By: Me		11. Date of Reporting: 17.08.2022	7.08.2022	•
· ·	Sr.#	Parameters	WHO Acceptable Limits	W.H.O Max: Permissible	Results	
	<b>***</b>	Temperature	3	-	29.1	
	<b>C</b> 3	Hd	7.0-8.5	6.5-8.5		
	ო	Odor	Unobjectionable	Unobjectíonable	Odorless	
	4	Color	5 TCU	15 TCU	Colorless	
ند	י מו	Taste	Unobjectionable	Unobjectionable	Tasteless	
ı			5 NTU	5 NTU		
¥ . ¥	~	Total Dissolved Solids	500 ppm	1000 ppm	1372	
ري	x a	Calcium	75 mg/1	75 mg/l	L.	
	רכ	Magnesium	50 mg/l	150 mg/l	1	
د	2	as	100 mg/l	500 mg/l	ł	
		Total Alkalinity mg/L as CaCO3				
		Sulphate	200 mg/l	250 mg/l	r.	
<b></b> volu		Chloride	200 mg/1	250 mg/l	l	
	••••	Iron Total	0.3 mg/1	0.3 mg/1		
		Conductivity µm/cm or µs/cm	1	. 1		
		Arsenic	1	50 ppb	South and the second seco	
n - 11 d o <b>b</b> iti doven		Fluoride	•	1.5 mg/l		
¢	2 0	Nitrite		3 mg/l		•
-		Nitrate D	ł	50 mg/l		
 - 	3	uacteriological analysis result	Absent	Absent		•
	Remarks	arks		V / Z	The second second	
°∳ a≟		• <u>Water Sample is</u> <b>UNFIT</b> for human consumption Authencity of sample will lie on collecting person,	<u>Sample is</u> <b>UNFIT</b> for human consumption acity of sample will lie on collecting person/		്കറും	
ú			•	1003		•
		Jan Martin	. 6	District Water Testing Labo	ratory	
		(When )	(A) april	Toba Tek Singh	:	
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er Diratory 12022 2022	L EYE CUR	not fit for human The Total dissolved value than WHO han consumption by	king water supply	
District Matter The District Control of the Junior Research Officer Junior Research Officer Junior Research Officer Junior Research Officer District Watter Testing Laboratory Public Health Engineering Department Tobact No. 2514254 Email Lequal Information District Matter Testing Level 1 and 2 and	Medical Superintendent Govt. Eye Cum General Hospital Gojra WATER OLALITY TESTING REPORT FOR GOVT. EYE CUM GENERAL HOSPITAL GOURA Ref : with your letter no 2364/ECGH/Gojra Dated: 18/08/22		Filtration Plant (Reverses Osmosis) for the provision of safe drinking water.	Junit Andreas Andr
	Medical Superintendent Govt. Eye Cum General Hospital Gojra WATER QUALITY TESTING R GENERAL HOSPITAL GOJRA. Ref : with your letter no 2364/EC	It is submitted the as per standards of world of said sample is 137 tion 1000 mg/l. The water	using reverse usinosis Filiration technique / Water Supply Scheme. So, the hospital should arrany scheme / Filtration Plant (Reverses Osmosis) for the provision of sa	
To Good Parameter and the second	Subject: .	consumption as solid (TDS) of recommendation	scheme / Filtre	Page 121

uste van manage generatie angewaarde en een op die de annamen al Maria and die andere andere angewaarde en een die andere andere Angewaarde en een die angewaarde en een die andere andere andere andere andere andere andere andere andere ande

G OF WATER TECH REVERSE STEM CAPACITY 1000-LITER (WATER TECH ) (Based on 2nd Bi-annual 2022) 350000 P.Job 1350000 /- Total = 1350000 /-	Total = 1525500 /- Say 1525500 /- Single Entry Field		
RATE FOR SUPPLY, INSTALATION AND TESTIN NT WATER TECH WITH ARSANIC REMOVAL SY R HOUR SUPPLY BY ISO CERTIFIED COMPANY INSTALATION AND TESTING OF 1 Job 1: TECH WITH ARSANIC REMOVAL TECH WITH ARSANIC REMOVAL CAPACITY 1000-LITER PER HOUR BY ISO CERTIFIED COMPANY FECH ) (Quotation Attached)	Sub Divisional Officer Buildings Sub Division Toba Tek Singh		
ANALYSIS OF OSMOSIS PLA OSMOSIS PLA NATER WATER SYSTEM SUPPLY (WATER			
દી ⁶ ં ≁ુ`∩ર પ્ર∳	نه هو دين شي شي	په په ^{مع} نۍ <u>کې</u> رو	Page 122

Water ~Tech Manufacture & Importer Head Office :Zenat Park Near Waves Factory Multan Road Lahore Ph. 042663835 Web: www.watertechiso.com PH: 03216122023 .Email.haroon_r@hotmqil.com	Ref: PHD/10797/22 Dated : 20-08-2022	CION AND TESTING OF REVERSE OSMOSIS (TH AASANIC REMOVAL SYSTEM ER AJUR SUPPLY BY ISO CERTIFIED AS PER SATISFACTION OF ENGINEER	mentioned subject, we are pleased to WING EQUIPMENTS:		Minimum Standards	PHED LAB	linin	I. USA/EU and	
	TO, Executive Engineer, Building Department Toba fick Sing	SUB : SUPPLY, INSTALATION AND TESTING OF REVERSE OSM PLANT VATER TECH WITH ARSANIC REMOVAL SYSTEM CAPACE 1 OF LATER FOUR SUPPLY BY ISO CERTIFIED COM. AND A SPER SATISFACTION OF ENGINEER INCHARCE.	Dear Sir, Reference to your discussion , regarding the above mentioned subject, we are pleased to quote the same for your kind consideration and approval . THE PLAN - WILL COMPRISE WITH THE FOLLOWING EQUIPMENTS:	TECHNICAL SPECIFICATION	Water, unlysis Report for each riant /Site	1.Aesthelic Contamination, 2.Biological Contamination, 3.Chemical Contamination, and 4.High Total Dissolved Solids. For the design of filtration plants, the contractor shall identif, viable source of feed water, conduct complete where quality testing of samples, noting guideline wheres in WHO guidelines from drinking water quality, 4th oftion to date revision and the Pakistan Standard for drinking water	Design futteria		
Water~Tec	<u>فل نمن</u> هد بال م <i>ين</i>		е х ^а ў	<b>ن</b> رونعت آلار،		ę ¹	ه بن		Page 123

Water,	ater~Tech	Water ~Tech Manufacture & Importer Head Office :Zenat Park Near Waves	
ISO 9001-2008 CERTIFIED COMPANY		<u>Factory Multan Road Lahore</u> Ph: 042663635 Web: <u>www.watertechiso.com</u>	•
	51	PH: 03216122033 .Email.haroon_r@hotmail.com	·
μ,	Grid as		
ĥ.	prime energy source. RO design will be based on		
Y The	feed water with total	Company	
Ť	dissolved solids (TDS) for		
	brackish Water with a maximum of 5000 nnm		. '
	The rejected brine from the	Manufacture /Company Plant	
	plant and drainage water	Water Tech International	
	sitali de disposed into drainage system		
	Remineralization of RO	With all Products	
	product water may be carried	Certification & Product Bar	
	out by blending an annunriate Fraction of	Code Verification.	
	pretreated raw water		
	The RO plant shall be		
	designed with minimum of	· · · · · · · · · · · · · · · · · · ·	
e st i	50% recovery of permeate up to maximum Fond and The		
•	to maximum source ppm 105 in Raw Water The vendor		
ţ	must submit the		-
(إغمار	projection/simulation based		
	on complete feed water		
ດ່ະ "ນຸ-	analysis before installation of		
	Plant. The following		
	software projections are		
	acceptable.		
	Reduced energy consumption		
	Reduce Chemical	· · ·	
	Consumption corresed life		
	span or memoranes and niter parts NSP Coefficied		
	equipments situated		
1	Feed Pump	Minimum	
- i t		Standards/Manufacturers	
	Flow: 2000 Liters / Hour		
	$(2m^3/hr)$	Water Tech International	
بر بر	Pressure:4 Bar		
•			
ن ن	High Pressure Pump	Minimum	
	"""我们就是我们的,你们不是你的。""你们,你们就是我们的你们的你们的?""你们,你们不是你的,你们们不是你的?""你们,你们不是你们的?""你们,你们们们们,		

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9001-2008 CERTIFIED COMPANY Floor: 2000 Pump and n 80% Membrane T element Size 400psi Nomi cleaning: 1-3	Liters / Hour (4m3/hr)	<u>104-1017 MUNITI NOUL LUI INF nr.</u> 042663635 Web: <u>www.watertechiso.com</u> PH: 03216122023 Email.haroon r@hotmail.com Standards/Manufacturers
Floor: 2( Pump an 80% dement ( 400psi Nc cleaning:		
Floor: 2( Pump an 80% Membrar element ( 400psi Nc cleaning:	000 Liters / Hour (4m3/hr)	
Membrar element ( 400psi Nc cleaning:	Pump and motor shall be of treputed efficiency above 80%	Grundfos ,Germany/Water Tech /KSB
Membrar element 9 400psi No cleaning:	Reverse Osmosis Membranes	<u>Minimum</u> Standards/Manufacturers
	Membrane Type: Polyamide Thin Film Composite Membrane element Size: 4" x 40" / 8"x40" Maximum Applied Pressure: 400psi Nominal Salt rejection: 98.5% pH range, short term cleaning: 1-3 pH range, continuous operation	Dow Film Tech (USA)/Water Tech
	Membrane Pressure Vessel	<u>Minimum</u> Standards/Manufacturers
Heavy du made of f Society of associatic Vessel Co membran allowed.	Heavy duty reverse osmosis pressure vessel housings shall be made of fiberglass, tested and certified by the American Society of Mechanical Engineers (ASME) and the boiler association of the USA as per ASME's Boiler and Pressure Vessel Code (BPVC):2013. Enamel coated white. Easy membrane removal, inspection, and installation should be allowed.	Material: FRP Make: Code Line Pentair USA,Water Tech USA Origin Pressure: 550 PSI Size: 4"x40", 4"x80", 8"x40", 8"x80"
	Frame/Skid	Minimum Standards
<b>Stainless</b> <b>minim</b> un	Stainless Steel shall be used for Reverse Osmosis Skid meeting minimum following specification can also be used:	Stainless Steel Grade: SS-304
	Flow Meters	<u>Minimum Standards</u>
A variable flow of fe transpare graduatio be capabl	A variable area rotameter shall be installed to measure the flow of feed/permeate water. Flow meter shall be of transparent acrylic material with Stainless Steel float with graduations on them to show proper flow. Flow roster shall be capable of covering the full range of flow.	Maximum Flow: 35GPM Make: Code Line Pentair USA, Water Tech USA Origin
	Water Meters if need	Minimum Standards
Water me generator	Water meter shall be of multi jet submersible with a pulse generator with a maximum frequency of 1pulse/10 Liters.	A pulse generator with a maximum frequency of 1 pulse/10
n		

Flead Utilice : Lenat Park Near Waves Factory Multan Road Lahore Ph. 0426653635 Web: www.watertechio.com PH-03214122003 Email barrook Schotmoli Com	Liters.with 1 year warranty Make: Code Line Pentair USA, Water Tech USA Origin	<u>Minimum Standards</u>	Make: Code Line Pentair USA, Water Tech USA Origin Minimum diameter: 2.5" Warranty 1 year	Minimum Standards	Made: Pentair/Etatnor Italy/Water Tech Flow: As needed 80 liter Tank for Dosing	Minimum Standards	Vessel Material: FRP	Make: Pentair USA/Water Tech	Pressure: 150 PSI	Size: 16"x65"	Vorced Material, The	VESSEI MALETIAL: FKP	Activated Carbon: Norit/Water Tec	Replacement: On depletion of the adsorption cap		Imported	Minimum Standards	Filter: 3 microns	<u>Minimum Standards</u>	pH Adjustment removal of arsenic & fluoride if found in	
ISO 9001- 2008 CERTIFIED COMPANY	Body of water meter shall be of Cast iron with threaded Torseaded Connections and a minimum pressure rating of PN10. Water meter shall have a totalizer installed on permeate line.	Fressure Gauges	All installed pressure gauges shall be bourdon spring type with Stainless Steel (SS), 304 casing and a minimum diameter of 2.5". All gauges shall be damping fluid filled having back connection and boud a for easy fitting on the panel.	Josing Lunt	For addition of chemicals like Antiscalant, Acid		Filtration Rate: 10m/hr.	Backwosh: 30m/hr.	Backwash Time: Backwash through PLC	Sand Errective Size: U.8-10mn	Bed Deruit 0.6 - 1.0. Filtration fister 8m/	Backwein: 25in/hr	Actives of bon meetive Size: 1.2-1.6mm	(c).tact	Base in events at Control Shell, Vouce, bituminaus coal, lignite	Arseni: Diter and w. lia	Leviton Pre-Litters	Pre-Filter before High Pressure Pump	Jost Treat. Lent	lí nee lo :	

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Head Office :Zenat Park Near Waves Factory Multan Road Lahore Ph. 042663535 Web: <u>www.watertechiso.com</u> PH: 03216122023.Email.haroon.r@hotmail.com		PLC : Siemens(EU),	Wittsubthi(Japan), Schneider(EU) Water Tech	HMI: Siemens(EU), Mitsubishi(Japan). Schneider(EU).	Wintek	Siemens(EU), Mitsubishi(Japan), Schneider(EU), Water Tech		ater Minimum Standards	Metrail: <b>High Density Polyethelene</b> , Anti UV	Metrail Class: Food Grade Working Temperature:-20 to 60°C	Wall thinkness: Approx.4 to 5.0mm Storage Capacity: 2000 Liters Each for	1d from DESIGN CRITERIA:	AV USA/EU.			Water Tech International	ion With all Products	 splay Code Verification.			
0 9001-2008 CERTIFIEU COMPANY	RO System Controlled By PLC/Panel	RO system should be controlled	Display on Front Panel Surfam should be scand	oystem should be suaba enablied.	The controller shall styled the	permente i DS/concentratty, and eperating hours crong	when the uperacting controller. All to askers, relays, timers etc.	Storage Tanks for Product & Feed Water	Product water tank should be food grade.				. Unitambra.	We can the Automational 	Removal and Softener Vessels Filter)	make USA ( Pentair USA)	2- rost Treatment 5 $\pm$ 1 micron filtration	3- DO Plant controlled by Auto with display & TDS metar fully	Automatic control Plant.		

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com		Rate	1,350,000.00			25,000.00	0% or				TREALER INISION			
chiso.com on_r@hotma		R	1,350,			125,0	mpletion 1	· .		:	Sancing Contract	and the second	OM	
<u>www.waterte</u> 23 .Email.haro		Qty	1 job	· .			ind after Co		2	ank Fitting	5	G	@gmail.c	
PH: 03216122023 .Email.haroon_@hotmail.com		ITEMS	SUB : SUPPLY, INSTALATION AND TESTING OF WATER DADA	ALL CACH WITH WOVAL SYSTEM	1000-LITER PER HOUR SUPPLY BY ISO CREATERED COMPANY AMERICER (JECH)	TOTAL CUSI:	<ul> <li>2. Conditions:</li> <li>5.5.% Advance, 43%, an delivery and after Completion 10%</li> <li>5.5.% Advance, 43%, an delivery and after Completion 10%</li> </ul>		escost tec Nation	Covide moeth planther full PPRC/Clashing and Tank Fitting Terrary and CST (Espectable.		(Mulerite	Johnen 16. June 7323 Martis Weinsechriso9001@gmail.com	
	-	No.		•1			Terus de 1. Payantes de la construcción de la const	3. 2	<b>1 1</b>	<b>1</b> 7 7	5.		A 1	

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

# Grant Number:Government Buildings - (PC12042) LO NO:LO22010096 A/C To be Credited:Account-I

PKR Million

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

**Financial Components:** Capital **Cost Center:**OTHERS- (OTHERS) **Fund Center (Controlling):**N/A Grant Number:Government Buildings - (PC12042) LO NO:LO22010096 A/C To be Credited:Account-I

PKR Million

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

## 9. DEMAND AND SUPPLY ANALYSIS

No modern health facilities and scientific diagnostics are presently available in this Hospital. This initiative of revamping Hospital covers all departments and components of healthcare including Medical, Surgical, psychiatric, Cardiac, ENT, Ophthalmic and Pediatrician components. Moreover, women health components i.e. Gymea 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

# FINANCIAL PLAN AND MODE OF FINANCING

The project will be executed / financed through Annual Development Program under the Primary and Secondary Healthcare Department, the Government of Punjab.

#### **Revenue Side:**

(Rs.in Million)

		(1.5.111101
	FY 2021-22	FY 2022-23
Funds Released	2.695	7.486
Utilization	2.212	0.667

#### Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	0.000	5.000
Utilization	0.000	0.000
Balance funds may be provid	ded for com	pletion of the

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 gazetted and non-gazetted posts will be available for employment directly or indirectly.

#### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

#### ENVIRONMENTAL IMPACT

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

#### **11.3 PACT ANALYSIS**

undefined

#### **11.4 ECONOMIC ANALYSIS**

#### 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, the 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:

Laboratory fees Diagnostic facility fees X-Ray fee Dental fee ECG fee Private room charges Parking fee Medico Legal Fee Medical Certificate of New Government Employees

#### **12. IMPLEMENTATION SCHEDULE**

### **12.1 IMPLEMENTATION SCHEDULE/GANTT CHART**

Starting date: 01-07-2021 Expected Completion date: 30-06-2025

#### 12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

# **12.3 IMPLEMENTATION PLAN**

#### 12.4 M&E PLAN

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

#### **12.5 RISK MITIGATION PLAN**

attached

# **RISK REGISTER**

# Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab

		•					
		RISK DATA		Pre-M	itigation / C	urrent	MITIGATION
		RISK DATA		Quali	tative Assess	ment	
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		Hospital administration is requested to finalize the scope during joint field visits o 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	<ol> <li>Stoppage of work</li> <li>Performance of the Contractor has affected</li> <li>Delays in the project</li> </ol>	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	<ol> <li>Delay in tendering</li> <li>Effect on quality as the Consultant supervision will not take place</li> <li>Inconvenience to the patients</li> </ol>	3	3		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.	<ol> <li>Delays in completion of works</li> <li>Claim requests received by Contractor and Consultant</li> </ol>	3	3	9	Contractor will be asked to depute fully vaccinated labor

#### **12.6 PROCUREMENT PLAN**

undefined

#### **13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS**

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

#### 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

#### **15. CERTIFICATE**

**Focal Person Name:**Mr. KHIZAR HAYAT **Email:** 

Fax No:

**Designation:**Project Director, PMU P&SHD **Tel. No.:** 

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

15. It is certified that the project titled "Balance work of Revamping of <u>THD</u>, <u>(lojn</u>, (1st 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)

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

Checked By:

(Dr. AYESHA PARVEZ) DEPPUTY 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)

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# **17. RELATION WITH OTHER PROJECTS**