

PC-1
Balance Work of Revamping of THQ Hospital Kot Addu

ORIGINAL APPROVED COST	PKR Million. 84.666/-
ORIGINAL APPROVED GESTATION	43 Months Till June 2025
APPROVAL FORUM	DDWP (DDWP)

1. NAME OF THE PROJECT

Balance Work of Revamping of THQ Hospital Kot Addu

2. LOCATION OF THE PROJECT

- **2.1. DISTRICT(S)**
 - I. MUZAFFARGARH
- **2.2. TEHSIL(S)**
 - I. KOT ADDU

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 Se 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:5373
4	Total Allocation: 0.000
5	Funds Diverted:0.000
6	Balance Funds:0.000
7	Comments: The scheme will be financed out of block scheme included in ADP 2022-23 at G.S. No. 660 with an allocation of Rs.1300 million

5. PROJECT OBJECTIVES

attached

Project objectives and its relationship with Sectorial Objectives and Components

The Government of Punjab is making strenuous efforts for a better and effective Health Care system. The Defining step in this direction was to recognize the importance of Health Care at Primary & Secondary Levels. As a first step towards better health care at primary and secondary level, the department under the guidance of P&SHD had decided to launch massive revamping of 40 THQ & DHQ Hospitals in the current financial year 206-17. Program was launched to provide timely quality health care through skillful application of medical technology in a culturally sensitive manner within the available resource constraints. Eliminating poor quality involves not only giving better care but also eliminating under provision of essential clinical services, stopping overuse of some care and ending misuse of unneeded services. A sadly unique feature of quality is that poor quality can obviate all the implied benefits of good access and effective treatment. At its best, poor quality is wasteful and at its worst, it causes actual harm. Keeping in view this basic essence of Primary and Secondary Healthcare, Government of the Punjab is dedicated in making strenuous efforts for ensuring a better and effective Health Care system in the hospitals.

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

The defining step in this direction was to recognize the importance of Health Care at Primary & Secondary Levels. In order to address the dilapidated condition of hospital infrastructure, scope of work, based on the followings was chalked out:

- Addition of human resource
- Rehabilitation and improvement of infrastructure
- Supply of missing biomedical and non-biomedical equipment;
- Introduction of IT-based solutions
- Outsourcing of allied services
- Standardization of hospital protocols.

5.1. 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 state-of-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 Kot Adu: 46,129 SFT Area completed: 32,207 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 improve the existing metaled road network. 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 express line or dual electrical supply in all hospitals under revamping. Despite these two facilities based, on the current and proposed electrical load of hospital new transformers were proposed to step down the voltage to desired level and complete generator backup system was designed and generators along with automatic transfer switches were proposed accordingly. Moreover, to fully lighten up the hospital for proper utilization of all facilities of hospital during the low/no-light hours of the day, external pole lights to lighten up the pathways and garden lights to lighten up the lawns were designed and proposed.

5.3.2.1 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 ICU

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 CCU

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

5.3.3.4 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
- 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 specialties are being prepared comprising of departmental organizational plan, criteria for essential human resource, essential equipment, general and specialized SOPs, departmental safety guidelines etc. Standardized

Medical Protocols (SMPs) are standard steps to be taken by a health facility during medical or surgical management of a patient. Standard Operating Procedure (SOPs) are detailed description of steps required in performing a task including specifications that must be complied with and are vital to ensure the delivery of these services .It requires literature review, departmental view, facility visits, consultative visits and development of action plan for implementation of MSDS. Effective MSDS implementation requires essential documentation. Documentation is a key for record keeping, monitoring and auditing. For this purpose, registers, forms, displays have to be designed with coding for effective tracking. In addition to this it also requires analysis from field from utilization point of view.

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

MSDS implementation is a complex procedure. Because it requires

- 1. Capacity building for understanding, development and continuous implementation of MSDS.
- 2. Ecosystem for establishing its implementation by full cooperation, collaboration, commitment of
- 3. Continuous monitoring
- 4. Continuous audit
- 5. Continuous training, refresher courses with purpose of reinforcement
- 6. Continuous quality improvement
- 7. Continuous 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.
- Addition of new HR/ rationalization on requirement of MSDS indicator compliance for effective departmental organization and their planned trainings by MPDD, UHS ETC
- 7. Standard optimization of Standard operating procedures and methods for their effective adoption by hospital human resource.
- 8. We have also extended our MSDS implementation in 20 more departments such as dentistry, ICU, ccu, Dialysis, mortuary, burn unit, physiotherapy, orthopedics, medicine, nursing, paeds, ophthalmology, derma, TB, urology, patient transfer system, store and purchase, audit and accounts, procurement, planning etc. We are also in process of preparing manuals, SOPS, plans, universal forms, and universal registers with universal tracking system of record.
- 9. We have developed an application for continuous monitoring of MSDS compliance.

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

5.6.2 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 or other (medical tests, referred to IPD). On displaying the same token number at pharmacy counter the patient will move to pharmacy counter along with his token number and registration slip and take prescribed medicine. Patient will be disposed from that window and process of QMS will be completed. There will be no entry in the basic registration software on the counters of triage, doctor at the moment.

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.

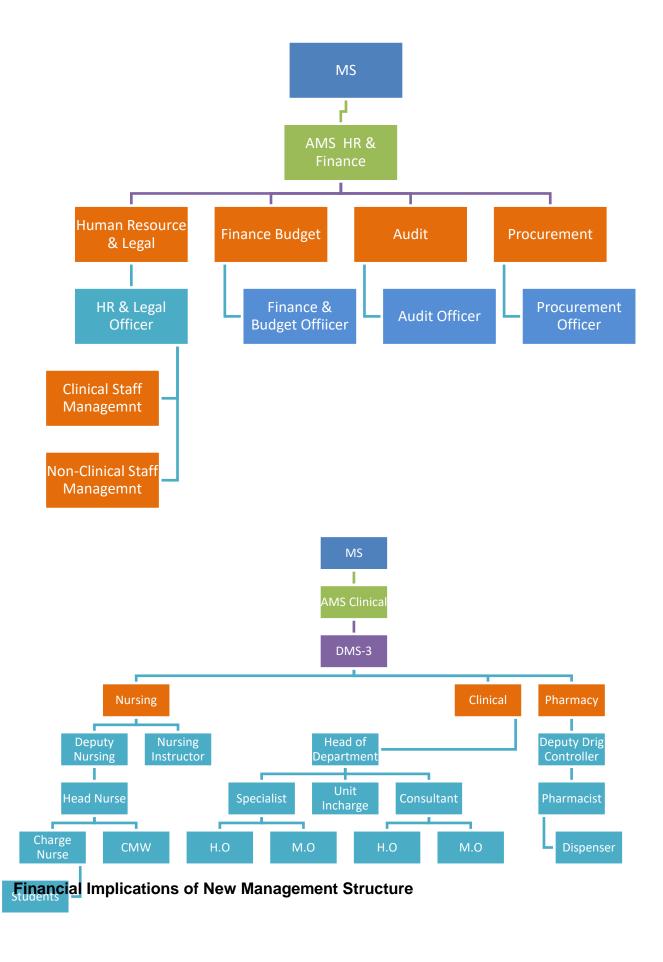
5.7.4 EMR and Networking

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:

Project Pay Scale (PPS)	Revised Project Pay Scales (Permissible Range) (PKR)	Annual Increment Up to % age
PPS-1	28,000 44,800	10
PPS-2	35,00056,000	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:

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
Name of 1 ost		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
AUDIT OFFICER	1	80,000	960,000	105,000	1,260,000
PROCUREMENT OFFICER	1	80,000	960,000	105,000	1,260,000
LOGISTICS OFFICER	1	80,000	960,000	105,000	1,260,000
BIOMEDICAL ENGINEER	1	80,000	960,000	105,000	1,260,000
QUALITY ASSURANCE OFFICER	1	80,000	960,000	105,000	1,260,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	1,680,000	44,000	2,112,000

ASSISTANT ADMIN OFFICER	4	50,000	2,400,000	70,000	3,360,000
	17	805,000	12,720,000	1,059,000	16,812,000

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:

- 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.
- 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
- 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

- 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
- 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.

ΩR

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

- 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

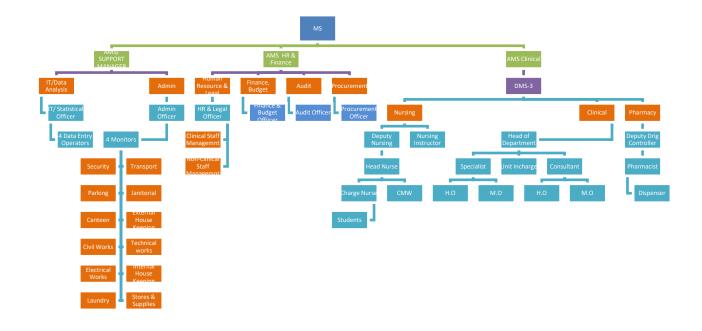
- 1. M.Sc. Supply Chain Management/ MBA or Equivalent.
- 2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

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

Name of Post	No. of Employees	Revised Pay package	
		Per Month	Salary for One
		Salary	Year

	17	1,059,000	16,812,000
ASSISTANT ADMIN OFFICER	4	70,000	3,360,000
DATA ENTRY OPERATOR (DEO)	4	44,000	2,112,000
QUALITY ASSURANCE OFFICER	1	105,000	1,260,000
BIOMEDICAL ENGINEER	1	105,000	1,260,000
LOGISTICS OFFICER	1	105,000	1,260,000
PROCUREMENT OFFICER	1	105,000	1,260,000
AUDIT OFFICER	1	105,000	1,260,000
FINANCE & BUDGET OFFICER	1	105,000	1,260,000
IT/STATISTICAL OFFICER	1	105,000	1,260,000
HUMAN RESOURCE OFFICER	1	105,000	1,260,000
ADMIN OFFICER	1	105,000	1,260,000

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 RELATIONSHIP WITH SECTORAL OBJECTIVES

The Government of the Punjab, Primary & Secondary Healthcare Department is in the process of undertaking number of initiatives to improve health care delivery system in the province. The Government of the Punjab is firmly committed to provide health care services at the doorstep of the community through integrated approach. A number of projects to improve emergency health care service particularly targeting on the promptness and quality have been initiated. Although major focus is on disease prevention and health promotion strategies by providing specialist health care services to victims of various diseases in the patients is one of the top most priority. The instant project will be a major wing to health department with line departments.

Mainly the linkage with social welfare and human empowerment, labour and manpower, Education Department, Special Education, Home of the project will be in a vibrant environment in the holistic manner. The scope of the project itself aims to establish horizontal linkage with all the stakeholders through 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 <u>EMERGENCY</u>:

- 1. Initial reception and computerization of data, issuance of medical record number and preparation of record file.
- 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
- 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 O.P.D:

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

5.10.3 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.
- 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. <u>DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS</u>

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 Kot Adu District Muzzafargarh is more than 0.270 million. The area of the THQ Hospital Kot Adu District Muzzafargarh 393040 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

1. 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. 101.630 million to Rs. 47.360 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 Me	eting	
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

given below

PROJECT MANAGEMENT UNIT PRIMARY & SECONDARY HEALTHCARE DEPARTMENT





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 Grant Number: Development - (PC22036)

Cost Center:OTHERS- (OTHERS) LO NO:LO21010557

Fund Center (Controlling): N/A

A/C To be Credited: Assan Assignment

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

Financial Components: Capital Grant Number: Government Buildings - (PC12042)

Cost Center:OTHERS- (OTHERS)

LO NO:LO22010097

Fund Center (Controlling):N/A

A/C To be Credited:Account-I

PKR Million

									1 1414 1411111011
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

- 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			Kot	Addu		
Scope of work		Original		1st Revised		
_	Capital	Revenue	Total	Capital	Revenue	Total
Capital component	-			-		
Internal Development	48.194	0.000	48.194	28.513	0.000	28.513
External Development	52.482	0.000	52.482	18.847	0.000	18.847
Water filtration plant	0.954	0.000	0.954	0.000	0.000	0.000
Total Capital Component	101.630	0.000	101.630	47.360	0.000	47.360
Revenue component						
Human resource (HR) plan	0.000	17.520	17.520	0.000	37.306	37.306
Total Revenue component	0.000	17.520	17.520	0.000	37.306	37.306
Total	101.630	17.520	119.150	47.360	37.306	84.666
Grand Total	101.630	17.520	119.150	47.360	37.306	84.666

Human Resource Model of THQ Hospital

		Orig	ginal		1st Revised					
NAME OF POST	No. of Emplyees	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	No. of Emplyees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000	
HUMAN RESOURCE/LEGAL OFFICER	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				7.453						
									37.306	

From

The Chief Engineer, 3
Punjab Buildings Department,

South Zone, Lahore.

To

The Secretary, Government of the Punjab,

Primary & Secondary Healthcare Department, Lahore.

Memo No.76-Dev/2014/

3131

/Dev. Dated | Ø .11.2022

REVISED ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME REVAMPING OF ALL THO HOSPITALL IN ADP NO.658 FOR THE YEAR 2022-23. ADU KOT HOSPITAL THO **MUZAFFARGARH**" ATPUNJAB ONE Subject:

DISTRICT

2 47.360 (M) duly vetted by the Chief Engineer for arranging Revised Administrative Approval.

The Revised Rough Cost Estimate has been prepared on the basis of rates meant for

2nd Bi-annual 2022.

DA/As Above.

DEPUTY DIRECTOR-II

for Chief Engineer, South Zone, Punjab Buildings Department, Lahor

Endst: No.

.11.2022. /Dev, Dated

A copy is forwarded for information to:-

- Circle, D.G.Khan for information with reference to his letter No.1024/DB, dated 07.11.2022. The Executive Engineer, Buildings Division, Muzaffargarh. Buildings Superintending Engineer, The
 - 2 6
 - The Chief Draftsman (Local).

DA/Niil.

DEPUTY DIRECTOR-II

Punjab Buildings Department, Lahore. for Chief Engineer, South Zone,

PANDO 18C: PAND PASHD RECEIVED & ENJ MARKING Signatures 2



BUILDINGS DIVISION MUZAFFARGARH

REVISED ROUGH COST ESTIMATE FOR THE **QUARTER HOSPITAL KOT ADU DISTRICT** WORK "REVAMPING OF TEHSIL HEAD MUZAFFARGARH" 47.360 (M) 76.865- (M) Amount Rs: 77.564 (M)

BUILDINGS SUB DIVISION KOT ADU

	S CIRCLE ZI KHAN	BUILDINGS DIVISION MUZAFFARGARH	BUILDINGS SUB DIVISION KOT ADU	REVISED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD OUARTER HOSPITAL KOT ADU DISTRICT MUZAFFARGARH"			47.360 77.564 (M)
PUNJAB	BUILDINGS CIRCLE DERA GHAZI KHAN	BUILDINGS DIVIS MUZAFFARGARH	BUILDING KOT ADU	REVISED THE WOR HEAD QU DISTRICT		. -	47. Rs: 77.
PROVINCE: -	CIRCLE:	DIVISION:	SUB DIVISION:	NAME OF WORK:	MAJOR HEAD:	MINOR HEAD:	Amount:

REVISED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD **QUARTER HOSPITAL KOT ADU DISTRICT MUZAFFARGARH**"

HISTORY:

11 de 1842 NO. PO (D-II) Remansing

to Rs. 101.630 (M). The client department did not release the fund and now client department has changed the scope. The Joint visit was conducted with the project management unit (Primary & Secondary Works Department to scheme was Administratively Approved by the Health Department Amounting

keeping in view the new scope provided by the client department on the basis of fresh MRS rates for aranging Revised administrative approval and realse of funds from the empetent authority.

DESIGN AND SCOPE:			
ਜ	Revamping of Old Building (Eye Ward)	1 Job	
8	Revampingof Old Building (Operation Theatre)	1 Job	
8	Revampingof Old Building (Emergency Ward)	1 Job	_
4	Sewerage & Water Supply	1 Job	_
ເລ	Patch Work of existing Road	1 Job	_
9	Construction of Boundary Wall 9" Thick 8' Height	3886 Job	_
7	Gate and Gate Pillar	1 Job	_
ESICN:			

specifications and with consultation of the Client Deptt., after observing all codal formalities The work will be got executed in accordance with the Buildings Department's

ECIFICATION/ CARRYING OUT OF WORK:

The work will be carried out according to building department specifications with latest edition through the approved contractors of $\mathbb{C} \& \mathbb{W}$ Department after calling tenders on competitive grounds.

RATES:

The estimate is based on Plinth Area Rates 2nd BI-Annual 1st July to 31st December 2022 for Muzaffargarh District circulated by the Finance department, Punjab

LAND:

Land will be provided by the Client Department.

COST:

The total cost of this project comes to Rs: 77.564-(M)

TIME LIMIT

It will take about (24) months to complete the work from the date of actual commendement of the work on the provision of funds.

Sub Divisional Officer Buildings Sub Division Kot Adu

Executive Ingineer Buffelings Division Muzaffargarh



Primary & Secondary Healthcare Department

GOVERNMENT OF THE PUNJAB Dated Lahore the OP-I/-2021

ORDER

the THQ Hospitals in Punjab" at cost mentioned against each scheme, with gestation No. PO(D-II)Revamping/P-I/21: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 29.09.2021, schemes under block scheme titled "Balance Work of Revamping of all DHQ Governor of the Punjab is pleased to accord Administrative Approval of 12 period from 01.07,2021 to 30,06,2023;

Rs. in Millions

			1.5.		F
		Ap	Approved Cost		
, ,	Sub Scheme Title	Capital	Revenue	Total	
o Z		Component	Component		-
4-	Balance work of Revamping of DHQ Hospital Khanewal	49.823	25.440	75.263	т-
7	Balance work of Revamping of DHQ Hospital Lavvah	43.557	25.440	68.997	
8	Balance work of Revamping of DHQ Hospital Rajanpur	49.999	25.440	75.439	
4	Balance work of Revamping of DHQ Hospital Mianwali	0.000	25.440	25.440	
(G)	Balance work of Revamping of DHQ Hospital Khushab	40.912	25.440	66.352	····
ဖ	Balance work of Revamping of THQ Hospital Chishtian, District Bahawalnagar	30.326	17.520	47.846	
7	Balance work of Revamping of THQ Hospital Shujabad, District Multan	136.550	17.520	154.070	
∞	Balance work of Revamping of THQ Hospital Mian Channu	42.160	21.540	63.700	
6	Balance work of Revamping of DHQ Hospital Vehari	197.408	27.560	224.968	
5	Balance work of Revamping of DHQ Hospital Lodhran	72.453	25,440	97.893	
7	Balance work of Revamping of THQ Hospital Burewala, District Vehari	90.722	17.520	108.242	Т
12	Balance work of Revamping of DHQ Hospital Muzafargarh	143.775	25.440	169.215	——— <u>—</u>

The expenditure involved will be debitable under the following heads account. κi

Capital Component

Grant No.12042 (042) Government Building04-Economic Affairs-045 Construction and Transport -0457 Construction (Work)0457-02 Building and structure.

Page 1 of 2

Revenue Component

Hospital Seravices-0731-General Hospital Services -073101 Grant No. PC-22036 (036) Development -07Health -073

General Hospital Services.

P&SH DEPARTMENT (IMRAN SIKANDAR BALOCH) SECRETARY/P&8H DEPARTME

NO. & DATE EVEN:

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

Accountant General, Punjab, Lahore.

Chief (Health-II), Planning & Development Department, Lahore.

Chief Engineer (North, Central, South Zones), Buildings Department. Director General Health Services, Punjab, 24-Cooper Road, Lahore

Project Director, Project Management Unit, P&SH Department.

Section Officer (Health-I), Finance Department.

Budget Officer-I & III, Finance Department. All Planning Officer, P&SHC Department.

PSO to Secretary, P&SH Department.
 PA to Additional Secretary (Dev & Fin), P&SH Department.
 PA to Additional Secretary (Admin), P&SH Department.

M. ASIF RASHEED) PLANNING OFFICER (



MINUTES OF MEETING

Communication & Works Department

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

02:00

Time:

Date: 9/11/2021

Location: THQ Hospital Kot Addu

ATTENDEES

NAME	Designation
Mr. Farhan Waheed	Director Infrastructure, PMψ
Mr. Hamza Naseem	Project Manager (Civil), PMU
Mr. Adnan Iqbal	Project Officer (Electrical), PMU
Mr. Waqar	Sub-Divisional Officer (building), C&W

MINUTES

	k-off meeting for lospital staff. Mr., Department and civil or electrical area by IDAP, it	Non-Revamped	e existing tiles are doors (exceptions	r existing wooden	nould be replaced assessed to locate
Teams te Decisions uctions Area-wise	i, Director Infrastructure, led the kic introduced his team to C&W and H roduced the teams to PMU Health Visit. Representative of C & W that any amped areas should not be executed to be done in already revamped after written approval from PMU.	e Decision: velopment(To be Executed in	d Skirting/Dado dado should be fixed in areas where oken. build be done in all areas and on all and in following points)	wirdows stroutube replaced/repaired or should be replaced/repaired or be repainted.	UPVC doors All washrooms (used for patient/attendants) should be replaced with UPVC doors. Seepage Mitigation All the areas facing seepage issues need to be assessed to locate
ting Agenda: Introduction of Generalized Si Specified Instra Priority of work	Introduction: Mr. Farhan Wáheed, THQ Kot Addu. He ir Sub Engr. C&W, introbrief the purpose of V He also informed the work in already revar such work is required	2. Generalized Site 2.1 Internal Dev Areas)	a. Flooring and defined and demaged/brobe brown b. Paint work shot are mentioned c. Windows	All damaged wi d. Doors All damaged do doors should	e. UPVC doors All washrooms (used with UPVC doors. f. Seepage Mitigation All the areas facing s
	1	eeting Agenda: 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work Introduction: Mr. Farhan Waheed, Director Infrastructure, led the kick-off meeting for THQ kot Addu. He introduced his team to C&W and Hospital staff. Mr., Sub Engr. C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C & W that any civil or electrical work in already revamped areas should not be executed. In case if any such work is required to be done in already revamped area by IDAP, it must be carried out after written approval from PMU.	eting Agenda: 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work Introduction: Mr. Farhan Waheed, Director Infrastructure, led the kick-off meeting for THQ Kot Addu. He introduced his team to C&W and Hospital staff. Mr., Sub Engr. C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C & W that any civil or electrical work in already revamped areas should not be executed. In case if any such work is required to be done in already revamped area by IDAP; it must be carried out after written approval from PMU. Generalized Site Decision: 2.1 Internal Development(To be Executed in Non-Revamped Areas)	f Teams ructions Area-wise k cd, Director Infrastructure, led the kick-off meeting e introduced his team to C&W and Hospital staff. In introduced the teams to PMU Health Department a of Visit. The Representative of C & W that any civil or electric wamped areas should not be executed. In case if a irred to be done in already revamped area by IDAP at after written approval from PMU. Site Decision: The Representative of C & W that any civil or electric wamped areas should not be executed. In case if a irred to be done in already revamped area by IDAP at after written approval from PMU. Site Decision: The Representative of C & W that any civil or electric wamped areas should not be executed. In case if a irred to be done in already revamped area by IDAP and Skirting/Dado d dado should be fixed in areas where existing tiles broken. Should be done in all areas and on all doors (exceptioned in following points)	f Teams ructions Area-wise k care, Director Infrastructure, led the kick-off meeting e introduced his team to C&W and Hospital staff. In introduced the teams to PMU Health Department a of Visit. The Representative of C & W that any civil or electric wamped areas should not be executed. In case if a irred to be done in already revamped area by IDAP at after written approval from PMU. Site Decision: Adado should be fixed in areas where existing tiles broken. Swedows should be replaced/repaired doors should be replaced/repaired or existing woo

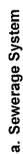
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Water Proofing
Water Proofing on entire Hospital Clinical building and cleaning all blockages of storm water lines. Water proofing of brick tiles should be proposed to avoid extra load on Hospital Building for its structural stability.



MINUTES OF MEETING

Communication & Works Department



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

Water Supply Ċ

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

Water supply system from Filtration Plant ပ

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

ġ

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

3. Specified Instructions Area-wise
The following general decision were taken for THQ Kot Addu

Internal Development

a. OT Block

- e e labor room to ф corridor Exit doors in replaced with Aluminum doors. and Entrance
 - All Floor tiles to be changed in labor room.
- ത up to Wall/dado tiles to be fixed in corridor of labor room height of 4 ft.
- fixed to be changed as per grills already revamped areas. Grills inside windows
 - Entrance door of dressing room needs to be changed
- ši replaced þ 2 need windows existing internal Aluminum windows
 - All flooring and wall/dado tiles need to be changed
- Three existing entrance doors of OT needs to be replaced with wooden doors with half SS fixed on it.
- and All inner doors to be changed with solid wooden doors needs to be painted.
 - All floor and wall /dado tiles to be taken up to a height of 4
- Anti-microbial flooring, wall paneling and ceiling to be done in abor room and Operation Theatre.

Eye Block Ö.

4

- Black Granite to be fixed at entrance steps. Anti-skid tiles to be fixed at ramp.
 - Aluminum door to be fixed at enfrance
- All floor tiles need to be changed.
- with and wall/dado changed pe ဝ Aluminumwindows in non-revamped areas. need windows and doors
 - All flooring and wall/dado tiles to be changed illes to be fixed up to a height of 4ft.
- All rooms floor tiles to be changed and skirting of taken inside rooms.

Emergency Block ပ

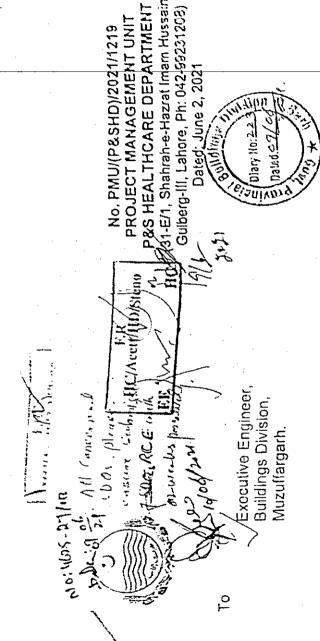
- Emergency oţ road in front done on pe Patch work to Department.
- and New ramp to be made in front of Emergency at entrance PCC track to be made till the road for stretcher movement.
 - Anti-skid tiles to be fixed on ramp.
- SS Railing to be fixed on ramp from floor.
- and Black granite tiles to be fixed at entrance of emergency. Dado/wall tiles to be fixed in reception area of Emergency to a height of 4ft.
 - marble in Emergency block reception replaced with floor tiles of size 2ft x 2ft. rooms need to be All existing floor
- block benches in reception of Emergency cement Existing
 - Emergency block needs to be changed. Replace needs to be dismantled.



MINUTES OF MEETING

Communication & Works Department

and the second	all ward entrance doors with aluminum doors and room doors
	 with solid wooden doors. All washrooms in Emergency block needs to be revamped
	completely. All floor tiles to be changed. Wall/dado tiles to be fixed up to a height of 7ft. All washroom accessories to be
	changed with new plumbing and sewerage lines. All doors of washroom needs to be replaced with UPVC doors.
	PCC track to be made at backside of Emergency block
· · · ·	between emergency block and dialysis block to link them for stretcher movement
	3.2 External Development
	a. New water supply lines to be laid.
	b. New sewerage line of hospital to be proposed and laid for
	smootn discharge of Hospital Cilnical Blocks. c. Patch work on Main Asphalt road of Hospital to be done.
	4. Priority of work
	4.1 Priority 1
	3.1 a, b, c.
ſΩ	4.2 Priority 2
	3.2 a, b.
	4.3 Priority 3



OUARTER TER COST ESTIMATES FOR REVAMPING OF DISTRICT THE HOSPITALS MUZUFFARGARH AND TEHSIL HEADQUART HOSPITALS KOT ADDU SUBJECT:

and 15 Electrification. As of now around 60% of work on these schemes has been completed by Infrastructure Development Authority Punjab (IDAP). The scope of work of the revamping External Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospitals have - I hospitals through - I (25 DHQ THQ Hospitals Annexure - A) and Phase - II (Remaining Hospitals Annexure - B). and iii) Development civil works under revamping program in Phase been divided in to two Phases of Revamping Program i.e. Phase External civil works was i) Internal Development ii) has carried out the IDAP.

- work on these schemes can be executed completely and promptly. The detailed design Phase – I hospitals through Communication and Works Department Punjab. Hence, in this regard, cost estimates for remaining work of these hospitals are desired so that the of these Department intends to carry out complete revamping document containing detailed scope requirement is also attached at Annexure estimates of only clinical blocks of hospital may be provided). Now, the
- It is pertinent to mention that P&SHD intends to revamp the remaining civil already revamped areas of DHQ Muzuffargarh and THQ Kot Addu may be conducted ŏ Hence, in order to have a better idea of specifications and materials, the field visits As currently there is a major visible difference in revamped and non-revamped areas. infrastructure of these Phase – I hospitals to achieve the uniformity in hospitals

The urene that have been revamped by IDAP are also marked in plans and are allached as Annexure D.

romaining work that is required in DHO Hospital Muzuffargarh and THQ Kot Addu (clinical nron only) and furnish this office to develop the schemes/ PC-Is. This may be assigned cost estimate In view of all above, it is requested to prepare the as top priority.

Project Officer Architect PMU, P&SHD (Maira Khan)

A copy is forwarded for information to the:

- Additional Secretary (D & F), P&SH Department Punjab
- Project Director, PMU, Primary and Secondary Healthcare Department Puriab cvi
- Deputy Project Director, PMU, Primary and Secondary Healthcare Department Punjab
- Director Infrastructure, PMU, Primary and Secondary Healthcare Department Punjab
 - MS, DHO Hospital Muzuffargarh ഗ
 - MS, THO Hospital Kot Addu
 - Office copy 1&C wing 9 /

) Zone				North	* * * * * * * * * * * * * * * * * * *								經過深												- -}			Courth		-		- 1				
FINN WIPE (F	M.B. Din Narowal	Gujranwala Sialkot	Chakwal	Jehlum	Attock	Attock	Mishwali	Bhakhar	Khushab	Khushab	T.T. Singh	T.T. Singh	Jhang	Chiniot	Sheikupura	Nankana	וואסטרו	Okara South City	Pakpattan	Pakpattan	Sahiwal	O character and contracted and contr	Daliwalilayai	Banawainagar	banawaipui	Rajanbur	Muzaffrqarh	DG Khan	Muzaffargarh	Vehari	Khanewal	Lodhran	Vehan	Khanewal	Multan	-
Sr. No. 1 DHQ Hospital Hafizabad	3 DHQ Hospital Narowal		7 OHO Hospital Chakwai	8 DHO Hospital Attori	9 THO Hospital Hazro	10 DHQ Hospital Mianwali				ind Hospital Noor Pur Thai	15 DHQ Hospital T.T. Singh			DHQ Hospital		20 UNG Hospital Nankana		22 IDHO Hospital Okara South City	DHO Hospital Pakpattan	<u> </u>	 		27 DHQ Hospital Bahwalnagar							34 THO Hospital Rot Aud K	\neg	임	엄	\neg		40 THQ Hospital Strujanes

SOUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL AT KOT ADU

							.			,								
рәцэ	Detail Atta	86881	pS	882											585	лs	. 1882	VL Ceramic Tile Size 12"X36" Master Or Equivelent aid Over 1:2 Cement Sand Mortar 3/4" Thick I/C With Matching Pigment Complete In Il Respect As Approved By The Engineer In Charge For Skirting)
pot	fisijA lisi9U	9871	EIS	273									***************************************		289		86381	400r). JUL Salt'n Pepper (SPM 110) Light Polished SB of 24"x24" Master made tile laid in white cement over 7.2" thick c/s mortar 1.2 i/c filling of joints with 7.2" thick c/s mortar 1.2 i/c filling of joints with 7.2" thick c/s mortar 1.2 i/c filling of joints with 7.2" thick c/s mortar 1.2 i/c filling of joints with 7.2" thick c/s mortar 1.2 i/c filling of joints with 7.2 i/c filling of joints with
	Detail Attached	852	Z9 L 99	687		-	1								782	ħs	08971	pproved and directed by the Engineer Incharge (For althing pigment complete in all respect as nortar 1.2 i/c filling of joints with 4"x24" Master made tile laid in white cement over as astching pigment complete in all respect as
	Detail Attached	C	⁵⁰³⁸⁸⁰²	285							 				00988461	dot	I	hedule Items Tedule Items Maitional Von Schedule Items Maitional Schedule Items
	Detail Attached		00988461	00988+6	ot									amaloo Jaiyoo)				Mame of work
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	Defail Attached	OORITIE	952											954	ਮੁਸ਼-ਧ		Supplying-and-erection of 4 core cable PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable. Cost of trenches where necessary armoured with G.L. wire 16 SWG. ii) 19/1.63 mm (19/0.064").	
	Zono Punjab Lan. Zono Punjab Lan. December 2021	057668	LOEZ		86	SŁ								\$13¢	มร	390	Water Filteration Plant (BUILDING)	es .
\ \.	The Chies south	11946043	£4094611									-		£#09#611	dot	τ	Construction of Road	<u>-</u> {
۱	petall Attached	12123100	12123100			 						484	+	SLOS	'nя	3886	Construction of Boundary Wall 9" thick 8" height.	ت
	Detail Attached Detail Attached	4797041 <u>2</u>	60SS		\ \									orr	มร	1204	PROVIDING AND FIXING WALL PANELLING PVC LAMINATION SHEET SIZE (9-1/2"x9-1/2") WATER PROOF I/C COST OF NAILS AND PVC GOLA ETC AS A PROPROVED BY THE ENGINEER INCHARGE"	ч)
	Detail Attached	132440	017		<u> </u>	-		·				-			ь-Евср		FIX (PORTA HD 8801 WH) OF ALLOS APPROVED BY THE	(3)
		000269	18500										_	18500	4363-8		Syzz' (Original design) etc comprese in a special design) etc comprese in a special design) etc comprese in a special design and a spec	(3)
	Detail Attached						_							09801	P-Each	02.1	approved by the Engineer triching of wates of size	
	Detail Attached	0029481	09801			_								96	บร	08971	size 600mm x 600 mints 9-10 from to center a 17e2's 1"x 1"size at 2"-0"x2-0"center to center longituidhally and transversally &alminium angle of size 1" x 1" at cornes/ends, including all accessries such as steel hanging wire, hooks, screws,nails, rowel such as steel hanging wire, nooks, acrews,nails, towel such as steel hanging wire, hooks, acrews,nails, towel such as steel hanging wire, hooks, acrews, nails, towel such as select, and accessing the steel hanging wire, hooks, acrews, nails, towel such as select, and accessing the such accessing the such as select, and accessing the such accessing	(a)
	Detail Attached	009649	ot 96			ļ											Providing and fixing of False ceiling consisting of Poroviding consisting of False (one side laminated) of Samuerated Gypsum Board (one side laminimum over aluminimum over al	=
								Subsequent	structure	Tuodal	10) 100[200	riosi uloo Jool	4.8		פורש		67/ 89
			Ledo	- L	_	ĽЭ	Ĭ	tol tago string to goitaghed bus tal	tol sumi	laf 101	taon straß	107	Ardra Stri		tiaU	Plinth sore		.18
	Remarks.	sjuno	omA	121)	oz 19	cemp	Jet De	July to 3	tal laum	nA-18 L	ouz) sə.	rea ra	th a	ailq		<u></u>	•	•
	agrando en el composito de la		<u> </u>									•					The state of the s	

			,									, 	·				
		045												045	મેર-વ	8686	θ lifting of Front Elevation.
bendard Attached	0267405				<u> </u>									506	มร	094	(ii) Provision of Anti Skidding Ramps.
Defail Attached	095951	907			ļ. -				-		- -	928.35	(-)	9692	ਹ ਸ਼	029	(i) Providing and fixing of Stainless Steel Railing.
bodantla lialod	1095943	\$9.Ya	941		-									-			Shian ishoning
pada				_	-										dot	ī	Froviding and and pedia 12 SWG main alon propering and coloum pipe 6" dia, 14 SWG coloum pipe 6" dia with covering dia, 14 SWG support and pedia pipe 2" dia with covering s sheet tensile tabric for 700 GSM size 20'x18' ilc making s Sheet tensile tabric for 700 GSM size 20'x18' ilc making s SwG diditional litems
			- CT											404385		,	Orange: Oracking Shed comprising of 10
badoussA lintag	404385) SA:	5 + 0+		_							-	+	00SSZ	son	8	Providing and fixing cast iron bench with wooden planks etc. (IIII) complete in all respect and as approved by the Engineer in
	000+0	2 (25500										_				(1705/200 = 2000 Sft) Iduation 170
Detail Attached														164	มู่	£08	6. The pipe 4 of the profile of the pipe 4 of the pipe 5 of the pipe 4 of the pipe 5 o
Detail acco	ELLE	3+1	164								ļ						Construction of Foundation and Tuff Pavers for Fiber Glass Shed Providing and fixing Fiber glass shed consisting vertical post Providing and fixing Fiber glass shed consisting vertical post
Detail Attached		. \			<u> </u> 							+		218400	dot	, ,	Construction of Fiber Glass waiting shed
		2184	218400								-						
Detail Attached				-		\ \	1000			Toodal	0) 100[ataloai muloa nisoot	4.A			Name of work
			Total	I.s	E.I	H.q	la noites bas se tampse	anp qeqn qeqn Extra	Extra for parar) Parari	le I tol 1.	103 411	×2 14	Ratra fi Strip		Ji	aU da	uilq
Kemstks,	2.3	пиотА		2021)	super.	# Deco	s15 03 %	չնան դ	el leum	uV-18 P	սշ) s	es rates	р яго	Jailq			
			1									·			and the second	The same of the sa	

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069,101 19miojsusti plo jo kijoseso psol sui esse: Say 101630000 Of coqo Charges for transformer payable to Mepco to 368623101 InfoT.D noitstraid sorT %! T.2.4%; 2000000 Jug and Installing Street Light 10' Height. 9066E6 τ go(.e.H 3628278 628669p = IstoT 89406686 3628278 Name of work 87<u>28</u>28£ amujos gaitool Detail Attached Extra cost for lat 4.A gies gnpacdneug. basalos! atructure. tinU | Plinth \qix18 Extra cost for deduction of lat and P.H | E.1 | Extre 101 ľS. Total Plinth area rates (2nd Bl-Annual 1st July to 31st December 2021) Amounts Kemarks,

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL AT KOT ADU

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TATE OF THE PERSON OF THE PERS	TAIMIGHI
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	WOICE

											0868722	.zoN	T	PURITION THE
Detail Attached	\$278380	0858722									0888200			P/INSTALLATION OF R.O (REVERSE OSMOSIS) WATER PURIFICATION PLANT COMPLETE IN ALL RESPECT OF
														EXTRA ITEMS
											1			3014 10 1911/31 2819
Engineer Provi: Bidge: Deptt: south Sone Punjab Lancre, for the period Snd Bi-Annual 1st July to 31st December 2021	067668	7062	·	86	gt						5124	มร	068	Water Filteration Plant (BUILDING).
P-Area rates issued by the Chiel											219/840/	det	ī	Sewerage & Water Supply
Detail Attached	82968691	· · · · · · · · · · · · · · · · · · ·					 				90,289			baok to notton of Road
Detail Attached	20000ZZH										ancerte	dot	T.	
Petrasit Atrached	21470150	-5255	-							-090 12h	+ 9703	Вū	9886	onstrucțion of Boundary Wall 9" thick 8" height.
no no	669 110	15055								7,6		dot	r	gniblind blo to gnigmeve
Detail Attached	169650E	169658030 169650EE	-			17	el.	15/	AL-		169150E8	<u> </u>	<u> </u>	
						1000	<u> </u>			Smilool				
Кешятке	sjunomA	LatoT	ı.s	E.I	H.¶	Extra cost for deduction of lat and Subsequent floor	ioi azizzi frame siructure	juanb:	fatra cost and subsection	tol anna (qivit) bolalozi numiloo	1 1	JiaU	Plinth area	Name of work
		(12021	eurpe	ood te	July to 31:	tel leun	ınA-18 b	пZ) sə:	р втев та	piiid			

•	- <i>f</i> ,		2 1	· 			· · ·		1	1					<u> </u>	The Property of the Control of the C	
	Detail Attached	0267405	Ovs										0 † \$	ns-q	8666	noileval Inon't Elevation o.	-
	Defail Attached	9595/ _ado sest 996088/	_0009881		9.	34		· 3.					0099287 49£0881	96	99Z	Provision of Anti Skid Ramps and Hand Rails	,
	Detail Attached	000026e (86104	00926E 588424			/ (a) /						Peach	-000Z6E 58E404	.zoN.	OT	Providing and Fixing of Parking Shed comprising of 10 SWG colour pipe S." dia, 12 SWG main arch pipe S.5" dia, 12 SWG main arch pipe S." dia with covering sheet lensile fabric support and perlin pipe S." dia with towaring sheet lensile fabric concrete (1:2:4) complete with finishing and as approved and directed by the Engineer Incharge."	8
	Dotail Attached	\$18. 2 \$78 2 \$6	478246										+15246 -108795	·soN	or A)(J)	Providing and fixing Fiber glass waiting shed consisting vertical "Providing and fixing Fiber glass waiting shoot level and to G.I pipe 4" dia medium quality 10' above floot level "bost of G.I pipe 4" dia medium quality 10' above holes posted for concrete 1:2:4 below floot level or lixed with bottom steel plate 6"x6" i/c rowel bolts provided or lixed with bottom steel plate 6"x6" i/c with trusses of M.S with to plate with trusses of M.S with to plate in grant of 2-ply box pipe frame is included in the fiber glass sheet and painting of sq pipe frame is included in the late complete as approved	<i>L</i>
	Detail Attached	1171800	987			/							126	ਹਬ-ਫ	1220	Supplying and erection of 4 core cable PVC insulated, PVC sheat of trenches sheathed 4 core 660/1100 volt grade cable, Cost of trenches where necessary armoured with G.I. wire 16 SWG. ii) 19/1.63 mm (19/0.064").	9
	Detail Attached	342000	342000			to e	,						342000	.zoM	I	PINSTALLATION OF R.O (REVERSE OSMOSIS) WATER CHILLER UNIT COMPLETE IN ALL RESPECT OF APPROVED QUALITY THE SPECIFICATION OF PURIFICATIONO PLANT CAPACITY 200 L.P.H. AS APPROVED BY THE ENGINEER INCHARGE.	
	, Remarks	erinomA	LatoT	ı.s	EI	H.q	tol face cost for lo noironbeb bas sat facepeatus face	Stre for frame frame fracture	1001	or see at the see of t	DV .	Tol star. Aditable	1 1	Jini	j finili sares ,	F	0
	, , ,		, (1202 9	ասև դ	130E o	January to	dal lat	nnA-Ia	as (Ist	rato	tli area	ailq '				<u>l</u> _

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Mukaffargarh Buildings Sub Division P Engineer moisivid agalblion Executive Engineer rease the load capacity of old transformer Wapda Charges for transformer payable to Mepco to 1% Tree Plantation Z00000Z T.2.4%2 GALLES KTIVHNICHL ding and Installing Street Light 10' Height. 428869E đoľ 0002298 8/1879E 2255000 > Detail Attached 8118198 COMMENT attionite $\mathbf{B}.\mathbf{F}$ P2)#[0#] Name of work and subsequent атеа P.H E.I S.I pure 3#1 14123 Extra cost for Lat JinU Total Extra cost for le noiseubsb tol ansail Plinth Extre jor StanomA Remarks Plinth area rates (1st BI-Annual 1st January to 30th June 2021)

COMPARATIVE STATEMENT

REVISED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL KOT ADU DISTRICT MUZAFFARGARH"

Remarks	ээиэ	19HiQ	141 2022)	sed Rough Cost Est a/MRS 2nd Bi-annu	As per Revi s per P-Ares	(V)	(1202 leum	s ner R.C.E/A.A.	V -4 400	~ v)		1,00	
	gnive2	Excess	Amount	- stsA	JinU	για	JusomA	916A		<u> </u>	DESCRIPTION	I/GAH TEM	
ÞĪ	15	7.7	TT	10	6	8	7		jinU	Aio			۲.
						<u> </u>		9	S	v	ε	7	t
						<u> </u>			<u> </u>		DIZED ITEMS	ADNA	TS "A
Kd booking Mon											ATTHWORK (EXCAVATION & EMBANKMENT)		τ
Hud Legree among Clark Consoled scope of work Mark to the scope of work to the scope of the s	758906		£2608	07.6525	1)ጋ0%	278£	508∠86	ST.472201	1)00%	\11 4 E6	big with blade grade or disc harrow or other suitable or discrew or other suitable or discrement and crompaction by medicanical means at optimum to designed section complete in all espect compacted up to 95% to 100% maximum modified or other or other or other or 100% maximum modified or other or oth	1 1 3	į
1		18844	£\$608	07.9E22	1130%	2781E	60019	00.4191	1J)0%	37875	Schandling of earthwork:- a) Lead upto a single throw of Kassi,	1 EI/E	7
A		1720	5297	31.02631	1J)0%	īZī	506	9.7985	#20%	752	Pacoral or shove! Illing, watering and ramming earth under floors:- ii) with critician proposition feat of the countries of	3/12	3.
и	12099		5797	51,03531	1100%	īZī	16971	11435.66	1300%	7.42£	wen thiw (ti -: rooten ramming earth under floors:- ti) with new arilli-	ST/E	V
11		38821	62715	27.77301	1]30%	5602	v688	₱ 8708	1}20%	tott	The lower and other and other the control of the co	tz/£	s
11		79830	5E279E	∳ '0 † ∠1.I	1}20%	OSOTE	604487	£.£899	1JO%	00975	selonfing the excession for open cutting for were stream and maintening, a two rise in a drawing subuthang and timbering, of gribonous exposeronables are section and but some contract of gribonous contact on the closest of griponous subuters and the section of griponous subuters and the section of griponous contact of grip	Zt/E	9
11		160#T	TbSbIT	SZ 7792	1300%	00051	057001	£.£833	ijЭ°%	000ST	Excavation of trenches in all kinds of soil, except cuttingrock, for watersupply pipelines up to f.l. (1.5 m) depth from ground level, including the beds of trenches including the beds of trenches to correct grade and cutting the persons of correct grade and cutting the for joints, etc. complete in all respects	l	
//	81+8801		691741	09.47111	137%	7151	1235617	09.121.8	1JO%	7/977	DISMANTLING	0177	<u> </u>
1		1989	122756	∂8.692,f	135%	Z996	265711	00 ZS6	112%	75267	c) Dismantling cement concrete 1:2:4plain.	77/v 61/v	5
11	99£1		27156	00.854	Each	79	78255	331.65	Each	98	b) Dismanding Znd chass nile noofing.	78/4	3
	18481	· ·	07211	341.50	Each	33	15762	07.882	4563	STT	fedworfr driw anigli yde bris ewobniw gnivom98 (d	ZE/v	Þ
1	· · · · · · · · · · · · · · · · · · ·	11330	11330	05.522	135%	05'92'97					Removing old cement or time piaster.	84/48	S
//		114272	272411	\$6.£8 <u>2</u>	115%	91157					Scraping White wash or colour wash	6 b	9
<i>(i</i>		325059	650758	7335.85	135%	ZZOST					Dismantling glazed or encaustic tiles, etc.	05/7	<u> </u>
//		43302	73302	Z.1688	130%	784		 			CONCRETE		
- 1/	114675		S97£47	28.09012	1JO%	17597.50	046788	12390 30	13370	1010	Dry rammed. Brick or stone ballastI-1/2" to 2". gauge in foundation and plinth.	7/9	ı
				T	T	Lacusar	DEC 100	12390.30	130%	3731	02ol nua 04) "2 ol "%!! isallad onots to Abracia diversity Stati (b) - alimity bas donabanot in 138 (d) (sato in 138 (d)	٤/9	7

Part											•				
		4		72.017	7 2617	SS.IIS	1JS-d	OÞE					Providing and laying superly procedain glazed tiles prictions, complete in all respects. Providing of Alt-School of specifical size in approved deciging the conditions of Alt-Withing of School over 34-4" thire (1.3) deciging the provided the conditions of the cost of scaler for finabing the pricting specifical in a physical school of scaler for the cost of scaler for finabing the provided superposed and provided superposed and provided superposed	30/45	2
1,		//		65381 5	424390	05.4829	130%	T/Sb	TELS	07.2774	1JO%	00.021	Providing, laying, watering and rannung brick ballast 13% to 2*(40 mm to 50 mm) gauge mixed with 25% sand, for floor	£/01	Ţ
Part	ŀ						 			-					
100 100				1450451	1420421	OS:£69¢T	135%	∠ 996					Providing and laying roof insulation, comprising of single (iii) thermopore 1" layer of tides 9"x4#"x11;" (225x113x4f) mm) grouted with cement sand mortar 1.3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene in a layer of hitumen, complete in	SE/6	8
Part		//		5007	SE89	SE.438	dos3	8	483 ¢	9Z.409	цэез	00.8		St/6	7
1/10 200		"	672043						£ + 02Z6	20.42e7	¥5%	00 79221	Single layer of tiles 9"x4/x"x112" (ZZSx113x40 mm) laid over 4"(100 mm) earth and 1" (ZS mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC root slab, provided with 34 with cement sand 1:3 on top of RCC root slab, provided with 34 libr. per %Sft, or 1.72 Kg/Sq.m bitumen coaling sand blinded.	<u>s/6</u>	1
17.00 17.0		11													
3 3 3 3 3 3 3 3 3 3		//		113196	657 411	2,823,30	142%	1901	2 7 5Z	00.911,2	130%	00.021		08/2	- 7
1 1 1 1 1 1 1 1 1 1		·		£+868	852018	3,6104£	110%	216	\$20414	SZ.89142			cement, sand mortar Ratio 1:4 Extra for pacea drick work in steining of wells or any other		
BIRCH MODISE		1	298106		1234225	£.38£1£	135%				 		del oiteA -minom		
1	-	//		. 1 70897	408390	7.87282	¥J2%	1459	998097	26372.45	193%	00 689		V/L	-
1 2 2 2 2 2 2 2 2 2	ļ	- //	79130		7494340	31420.10	% KBs	9574	0745721	35.86661	% KB2	00.8987	including cutting, bending, laying in position, makung lounts and lesterings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust		
2 2 2 2 2 2 2 2 2 2		//		183581	T8SEST		P-Cft	667					base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (ii) above not preming formyleting (i.e. horizental shuftering) complete in all		9
2		//	209086		SS4564	27.72A	P-Cft	8101	162507	302 96	P-Cft	00:6162	Reinforced centern concrete in slab of taffs / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) form work (i.e. horizental shuttering)	9/9	9
2 1 2 1 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 3 2 2 2 2			- 82995						899SZ	00'717.	P-Cft	00.59	Reinforced coment concrete in 100f sleb, beams,columns lintels, give and other structural members laid in situ or precast laid in situ, complete in situ, complete in situ, sometiese in	9/9	
77 77 77 77 77 77 77 77 77 77 77 77 77	-	//		308856	1283011	38126.10	130%	40.5214	SSTATSI	08.866.80	MCft	4 0.£802	Cement concrete plain including placing, compacting, thrisibing and cutring, simplete (including acreening and washing of stone aggregate): (f) Ratio 1: 2: 4	5/9	
The supplied that the supplied to the supplied	-	ÞĪ.	77	∵ zt	TT	οτ	6	8	L	9	5		£		+-
			gnive2	Excess	JrnomA	Rate	tinU	γŧD	trnomA	Pate	tinU	AiD	J	I IAID	1 01

Common to provide the provide complete to the provid															
Company Comp		1/	464220						022494	1160.55	1JS%	0000 b	Providing priming coat using 101.bs kerosene oil and 101.bs binder for \$15% area complete in all respect.	ì	3
1			000+61						000461	8.88	138.9	0005			2
17-22 Particular State of the particular state of			0090861						0090861	£066	¥JO%	00002	oring and seed and to mpacinote on seripeorite, and instinution of the seripeorite of a chieve when the model of the carriage of all motorite of the carriage		
17.50 Controlls and page of the page o		11	,		:						!		Providing and laying 5ub Base Course of crushed stone agreement and laying 5ub Base Course of crushed specing,	£/8T	ı
175, 175,		,,,					 								+
## Address on plants confine use in solution (1900) to the solution of plants confine use in solution (1900) to the solution (1900) to th			211011				 		110112	31.65	ਸੋਸ਼.ਯ	۷9 9 9			1
17-23 Lower-field and placed group comments are the controlled straight of the controlled straight									024721	3116	135%	750 5	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, and CLO (s. craspect: ii) CLD surface: ii)	ZE/ET	9_
17-12 Contract Retail being the first Contract and from the first Contract Contract and from the first Contract and from the first Contrac		//		634262	792489	6,245,30	132%	75057					Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of surface; ii) new surface; iii)	ZE/ET	1
		11	645370						045370	27.0022	112%	SZ 56Z		1	t +
12 12 13 13 13 13 13 13		//		LESS97	ZESS9Z	2034.65	45%	37625							3 1
17. 18.				3537	1 1601	1222.15	115%	£68	7717	7 508	112%	£68	01 (iii-:9) station of coment concrete surface:-iii)	1	2
1754 Condender and the place of coaching the product of coaching and the place of coaching the place of the				9909	9909	SZ1508T	1,5%	988					series of fron bars, gratings, railing (including standards)		τ
1,							ļ <u> </u>								
2 1000 100			427446		T+TZZ9	492.20	ńs-q	1764	1049587	00.718	172-9	1155	ncluding 34" x 1/8" (20 munx3 mm) M.5. flat itame, in windows it approved design, including painting three coats, complete in	j	ī b
11/9 Coment plaster 134 upto 20' (6.00 m) lerighter b) %* (13 mm) thick 2 6 7 8 8 9 1.0 1.1 12 1.2 12 1.2 1.		"		286288		58.1551	1JS-q	₽9S	SL9LLZ	08:5501	1JS-d	£9 Z	ылеlled and glazed, doors and windows, with mild steet howkat (frame), etc. complete in all respects (excluding sliding old or lock) with:- i) M.S. angle iron Луг'ж Ж.Ж. welded (40	a d	ī E
11/9 Cement plaster 1.4 upto 20" (6.00 m) hick like 1.0 m) thick 30-61		//		15421	60081	59.8314	HS%	7£Þ	8555	0E.4E9Z	135%	211	ement pointing struck joints, on walls, upto 20 (t a) 1.2	81/1	7 7
2 2 2 2 2 2 2 2 2 2			664/01		098/85	09.1428	145%	ZZ59T	658407	2306.40	145%	19508	hick (mm E1) '4 (d -: higeaft (m 00.6) '20 type 1:4 upto 20' (6.00 in like in man) thick	6/11	
2 3 4 5 6 7 8 8 9 10 11 12 12 12 12 14 15 15 15 15 15 15 15 15 15 15 15 15 15			001291	·			 	ļ		 	 	 			
2 2 2 2 2 2 2 3 2 3 3				1168892	Z6889TT	26,80£1	ля-q	£68					he shade of full width of approved quality tall with adnessive ond over 3/4" thick (1.2) cement sand morror bed, complete in li respect asapproved and directed by the Engineer incharge. (i)	e q P	τ þ
11 17 17 17 17 17 17 17 17 17 17 17 17 1		//	97984			·			97982	50.111	ī}S.9	£99	roviding and laying Tuff pavers, having 7000 PSI, crushing rength of approved manufactures, over 2" to 3" sand cushion omplete in all respect. (50% Grey / 50% Coloured) b) 60-mm nick	14 	ε
AND	-	bĭ	ZĪ	77	tt	OT	6	8	<i>L</i>	9	S	b		Z	τ
					 	eteA	tinU	γtΩ	finomA	Rate	linU	Airo	j	IAID	אמ ו



		Tios vitaling one chain in ordinary soil.				10 1 0864	11		Τ			<u> </u>	
	_	EXCRAPTION OF WELL IN THE 20° Delow ground level & disposed									}		1
	 	sil respects.											1/
/TZ 9	91/1	Providing and fixing, 3" (150 mm) thick R.C.C. manholecover for 22" as per standard drawing STD/PD No. 6 040477, complete in	OSZ	rtos3	21.9416	8859827	001	fach	56.19211	5619511		1130343	1
/1Z S	6/1	elorinara ri shor roafi Burishing Benching Noor work in ananhole deinii Inemed Sinii (mm 8) "8\1 shire, tedraede	00SZ	135%	06.2202	27373	1000	135%	01.4562	14867		28612	11
Þ		P/ laying of PVC sewer pipe of BSS class"D" working pressure is complete.											//
/τΖ ε		Providing and laying B.C.C. pipe sewers, moulded with centern concrete 1:13:3 conforming to ASTM Specification C-75-79, Class L.M. Mail B. including carriage of pipe trom factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring cutting pipes where necessary, lesting, etc., with rubber ring cutting pipes where necessary, lesting, etc., by the mould be a provided by the complete.	0051	<u>ਜੇ</u> ਸ਼-ਰ	\$9 [,] 9†\$	576618	0051	गेंग्र-प	09'569	7043400	573472		11
7		b /i ("9) mm 222 (i	7000	ਸ਼ੇਸ਼-q	09.724	009224	1000	मेश-व	08.828	008825	100700		
/IZ	,	Providing & laying of RCC sewer pipe monded with centent concrete (1.1-1/2.3) with spygot, socket and collar joints confirming to BS-5911 Part-1 1981 Class"L" i/c lowering jointing Testing complete	•										"
	<u> </u>	SEWERAGE						+	 				
7/61 L	I St/	Fib (*54) mun 21 (s1250) did/doop gots eerd grixi) das griibivorf					99	Hos3	SZ'ESS	8659£	36548		
E/61 9	9	Providing and fitting 10 cm (4") gully trap, including cementoncrete, cost of PVC grating 15x15 cm (6"x6") andmasoruy chamber 30x30 cm (12"x12").					Oξ	h263	09'9601	868ZE	32898		11
E/61 S	I Sε/	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	-				Ltv	Each	01.582	13306	90881		4
E/61 b		gaibrion, non, its popos to se si son, including and flix the son (4"x2") concrete chamber all round, and C.L. grating: (1.2x")					b S	tb63	27.723	66855	93899		//
ζ/6 ι ε	d 67/	Providing and fixing, chromium plated mixing valve, for thowing the gaint of shower					SZ	fach	S7.8222	61722	61499	-	11
t/6t Z	L	Providing and titting plastic made iow down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. 1) white					Sī	flos3	01,6Z0 1	₹ 8409	∠ε ₩09		11
9/6ī ı	/ d 9/	Providing and filting glaxed earthen ware wash hand basin /vanity56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) white pedestal					st	ЧэьЗ	S6 691S	64277	64577		//
		PLUMBING, SANITARY INSTALLATION & GAS FITTING	S 5					1	1				
Z/8T S	d 97	Providing and fixing cat ayes of size 4"x4"x3/4" of approved quality and shape etc complete in all respect (Bio Directional)	200	hɔs3.9	350.00	000571						175000	<i>''</i>
3/81	id id id id id	Providing surface treatment to roads, including supplyof bitumen and bajrlycrushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying bitumen, spreading bajrl and follingwith road roller (including its operation cost, fuel and bite charges, etc.) etc. complete including carriage of allmaterials to site of work except bajjrlycrushed store aggregate (TST) by the 100st					CO84	¥5%	4.315.8	786468	78E+0 £		
			 	 			<u> </u>			1		!	
Z I	-	£	b	5	9	Ĺ	8	6	OT	ΙΙ	12	Zī	ÞΪ



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g	 -	÷+0·0/∠	0009	118-9	32.25	005112				00885	0005-8	711200	/
- b		2/0036	3000	ήЯ.q	09°SZ	00897	- 00+6	#}8-q	08.52	185520	106120		//
ε		("620.0\\7) mm +7.0\\7 (ii		. [Ì		9 099	#A-9	27.0₽	956 897	.0 2699 E		4
/07 7	4	Supply and erection of single core PVC insurlated copper conductor cables, in prelaid PVC pipe/ M.S. conduit/ C.J. apply ps/ M.S. conduit/ C.J. pipe/ wooden strip batten/wooden casing an capping/ C.J. wire/ Ucnches (rate for cables only):- a) 250/ 440 volls, PVC wire/ Ucnches (rate for cables only):- a) 350/ 440 volls, PVC insulated:- i) 3/0.74 mm (3/0.029")					4505F	1)A-q	0Z SZ	05 2481 288986 CD E 1 S T	7.31300		"
		b/i mm 0+ (i	0097	ਮੁਬ-ਰ	OS 80T	052122						771250	//
		b/i mun 02 (i					1888	11A-9	07.18	OSZÞST	124520		
/vz t	! 5 ε/										1		"
	—	ELECTRIC INSTALLATION											//
		mm 59 (°S)					000τ	ग्रन-१	25.7 <u>.</u> 52	327450	357450		11
)	mm 25 ("!)		·			00ST	118-q	59.56	SZÞ0ÞT	274041		//
i i	9 5 5	prestind pressure rating PM (PRESSURENOAMAAL) and contouring to DIM 8077-8078 code i/c cost of solvent, specials, making that rise complete in all respect as approved and directedby Engineer Incharge (Internal/External Incharge). Szum.					0022	ਸ਼ੋਸ਼-ਰ	06.301	081SEZ	232180		
73/0	s I L	Providing, laying, testing and commissioning of Proj. PPRC) water POJ. PPRC) PROJ. PROJ. PPRC) water using the project provide project							·				1
E/EZ ,		22.8 in voluting P.V.C bends, or B.S.S. (i) Class 'B' working pressure:b' i / b' (101) b' working pressure:b' i / class 'B' working pressure:b' i / class 'B' working pressure:b' i / class 'B' working bressure:b' i / class 'B'	06	ਜ਼ਸ਼-੧	404.80	ZE49E	. 9E	मेत्र-१	. 55'675	89561	-	16864	"
Z/EZ	9	Providing, laying, cutting Johning, testing and disinfectingpipe in fire in trenches with PVC/ uPVC pipes of B.S.S with 'D'pipe, in trenches, complete in all respects:c) 4" i/d (100 nm)	0151	ภูม-d	188.30	£7 9 34 <u>5</u>	05/1	∄Я∙d	S6 ZSZ	1326413	0+26201		//
7/57	d	P/F of PVC specials such as tee, coller, bend etc plain type / plug type of approved quality with cernent joints complete in all respect as approved and directed by the Engineer Inchatge											11
		2" dia.	1000	ऋत.प	458.10	001854		<u> </u>				428100	//
	I d d	L.D. gmitoshnisib has gmitest gmitmoj gmitmo, gniyal bna gnibivor¶ e.e.d to eqiq L.D. gnieu simoj issboe rhiw esrbatest ni emii eqiq b\i "I (viilenp.lk) evlav bna elaitequ lla ni etelqmoo 7801-7801 .eib "C (mm č7)	00ST	ਜ਼ੀਸ਼.੧	20.755	340575						340575	//
	<u> </u>	NOITALLATZNI YAATINAZ					<u> </u>		· · · · · · · · · · · · · · · · · · ·	-			//
3/27	8 d		891	fla-q	01.192	S9ZÞ6	891	no-q	SÞ. 689	9.728211	21263		1/
(1)		0, 10 کے 14 مولیا											11
(ii)	S	પાતના છે. જો છે. તેનું માન	SESE	1300%	50.1462	20012	585 E	1300%	Zt.8887	Z98ZZ	5989		//
(1)		0, 10 2, գենւր	SESE	1100%	05.8832	80102	3232	1300%	56.7427	78997	1 4299		//
7	\top	€	Þ	S	9	L	8	6	01	TI.	zr	77	Tt Tt
Page		J	40	tinU	Rate	InnomA	γιD	tinU	Rate	fnuomA	Excess	gnivs2	

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89/ 5 7	Earthing-of-iron-clad/aluminum-switches, etc. with G. I. wire Mo. 8 SWC in G. I. pipe 15 mm (1%) dia, recessed or on surface of wall and floor, complete with I.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 plinih.	os	4263	56.5117	879558						355648	//	
59/ 5 2	Supply and filling of mercury vapour lamp, complete with choke set. i) 125 wart lamp	200	d>63	S7.STS1	05127						243120	11	
7 0/07	Providing and fixing M.S. tron box for housing main switches, made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including pairning:- ii) 95x40x20 cm (38"x16"x8")	Þ	ńseż	4240.25	19691						19691	4	
54/39	Supply and erection of button holder. i) bakelite large size					250	fach	S7. ES	SCE 4EI W	2784E \		11	
75/42	baseason, combined, neessed plug combined, neessed quyly and erection of 3 pin switch and plug combined, neessed					SE	fach	149.80	EÞ75	2543		//	
56/57	Supply and crection of 3 pin, 10/15 Amp. wall socker. Recessed type					85	Each	01.481	8777	8777	-	4	
18/62	qmA. 8 sən'irwa onsiy lo noitəsis ana yiqqu8					570 570	fach :	72.00	-0+028 35040-	0t028-		//	
57/52	D.A paked g valov 002 for bars, and election of bus based golds of porcelain bridges. The porcelain bridges in the four copper bars, including glazed porcelain bridges of L.S. sheet box L.S. sheet box M.D. and M.S. sheet box of my min thick, etc. complete:-ii) 100 Amp, with 4 copper base size from thick, etc. complete:-iii) 100 Amp, with 4 copper base size of W.Y.Y. and M.Y.Y.Y.Y. and M.Y.Y.Y.Y. and M.Y.Y.Y.Y.Y. and M.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y.Y	tr	Each	OT.1EZE	72141						14127	"	
07/77	Supply and erection of tron/aluminum clad, branch distribution board, 250 volt, on angle tron frame of suitable size with 3 mm hav, 15 Amp per way	ל	Esch	08.4001	6104				:	,	6104	"	
81/92	Supply and etection of ron/aluminum clad, 500 volts main (1/8") switches with kilkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with neutral necessary flexible pipe and thimbles, etc. triple pole with neutral link: iii) 100 Amp.	Þ	Each	0E.062Þ	19881						18361	"	
	Supply and erection of M.S. sheet box of 16 SWC, 10 cm (4")deep, with 4.75 mm thick (3/16") bakelite sheet top, forrecessed wiring, including making holes for regulatorsswitches, plugs, elc.iii) 22.5 x 10 cm (9"x4")					ΙÞ	rtas3	0£.874	01961	01961		11	
	Supplying and crection of 4 core cable PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, Cost of tranches where necessary armoured with G.I. wire 16 SWG. ii) 19/1/63 mm	osst	ਸ਼ੇਸ਼-4	00.827	0081711	-					0081711	"	
0	("+40.0\7) mm \$1.1\7 (i	0077	मेत्र-व	22.57	098775 .						255390	//	
21/52	Supply and erection of twin core PVC inculated, PVC sheathed copper conductor, 600/1000 volts grade cable, in 10 pretaid G.L pipe/N.S. conductor, PVC pipe/D.L wire/trenches, etc (rate for cable only):-19/0.083					·							
7	ξ	Þ	S	9	L	8	6	οτ	TI	12	žī	14	
LCIAL		ŅΦ	tinU	Rate	truomA	Á¥O	tinU	Rate	JunomA	Excess	anive2		
	- D				·			<u> </u>	.1	<u> </u>		I	- 1



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ÞΪ	Zī	71	II.	ΟŢ	6	8		9	S	Þ	F) F well mounted DB (Distribution Board) made with 16SWC Sheet (Recessded/Surface mounted Type), Powder coated Paint, i./c the cost of Lock, Indication lights, Thimble, Copper Comb,	5	τ
//		5 09563	£9560Z	59.21614	Евсћ	S					Witing, Netural & Earth Bar, Door Barthing, Digital Volmeter, Digital Ammeter, Volt Sejector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).		
											IBON MOBK		
//		806++	156436	\$8. 20 \$ 2 £	%kE	688	87518	SE.8260Z	%K₿	688	Fibrication of Heavy steel work with angle, Tee, flat innt, rounder, & should be seen of the should be seen of the should be seen of the worlding Handling. Assembling of the worlding enter when the seed of the seen of the	OT/SZ	
. //		398714	₽1 786E	08.8782	1 1 2.9	891					Making, and fixing steel grated door with IV16" thick (L.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and %" (20 mm) centre to centre, with locking arrangement.	01/57	
"	61 2001		8/SSTTT	09.7.541	IJS-d	9//	2629TZT	S l /98S	ŋs-q	b <u>/</u> 02	Providing and fixing all types of parily fixed and parily openable glazed anodised bronze colour alumnicous, using delux section of M.V.s. Al-Cop or PakisianCables, having chowkat frame of size 40 x 100 mm (1½" x4") and leaf frame of 60x40mm (1½" x1%") wide sectionsincluding the cost of M" (5 mm) thick imported timedglass with aluminium triangular gola and rubber imported timedglass with aluminium triangular gola and rubber approved the glass and leaf edging, using approved standard fillings, locks, 3" (75 mm) wide long hyndlesetc,, and hardware any required as approved by the engineer in each section required as approved by the engineer in each section.	bb /52	
•		7090±29 548€5	8LEHOL1	sp: t+87 2h:84E1	₩S-d	492 I	Þ ES059 T	0S 86v	₩S-d	1156	Providing and litting all types of glazed aluminium windows of anodised bronze colour parity fixed and parity sliding using delux sections of approved manufacturer having frame size of delux sections of 50 x 20 mm flow x 20 mm flow x 20 mm thickness including 5 mm thick imported (2°x4°), all of 1.6mm thickness including 5 mm thick imported fractions of 50 x 20 mm thickness including 5 mm thick imported fractions, all of 1.6mm thickness including 5 mm thick imported fractions, and fixing Aluminum Fly screen comprising of hardwarester, as approved by the Engineer in-charge. It/civoriding and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum coated of approved manufacturer brownes Colour / powder coated of size 1-1/2°x1/2° and 1.6mm thick with rubber gasket it/c cost of Handwares as approved and directed by the engineer in-all respect	St/SZ	
//	18918L		SIIIE	5%6h	135-6	189	96/2/601	50.058	ħ2.q	3311	Providing and fixing Aluminum Fly screen comprising of Fiber Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownse Colour / powder coaled of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. Complete in all respect.	Sb/SZ	
//		014071	ΟΙΡΟΔΙ	O1.277,1	1JS−d	96					Providing and fixing 2-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWC welded with vertical posts of 2" dia staindess steel round\ Squar pipe\ Tong (climnaa) ® 2-ft c/c fixed on alternate steps with 3" long steel strong steel stain a base rawal plugs, 3-ftos diagonal stainless steel strong fixed on vertical posts in a passe through golies fixed on vertical posts.		

			···				·····	.,		M.,				
	serra Hili	Als Salv'n Pepper (SPM 110) Light Polished SB of Sx**x2** Muster This Lift of the latter of the latt	86961	. गेट.व	687	6478323						6478323	4	
	alli)	V.L. Salt'n Pepper (SPM 110) Light Polished SB of 24"x24" Master nade tile laid in white cement over 1/2" thick c/s montar 1:2 i/c illing of joints with matching pigment complere in all respect as pproved and directed by the Engineer Incharge (For Floor).	08971	ŋs.a	S 87	5838800						2838800	4	
	.R.	R. NON- 21 VND VEDITED ITEMS						-						
1								†·					4.	
(iii	w)	28D ing 101 ket A besevo	31009	ñ2.9	00.0€	1506321					<u>. </u>	1506321	"	
(ii	Cov	overed Area for Public Health	6001E	∄2.q	00'84	2418702						2418702	//	
(g g	Con	neitheiltrification	31009	₩S.q	110.00	3410990		1				3410990	. //	
	C01	Jugiad '8 hill " (Vall 9" thick 8' height	988E	ग्रेश्न.प	6055	p4670p12	988€	#3.9	-08 52	-088'551/6E	- 9064498 8	40621181	"	
	Б₩.	Valer Filteration Plant (BUILDING)	960	ħ2.9	7307	082668	ooli		32.68	00846SE		- 052008	. 11	
	uil <u>q</u>	1202 leutune-18 1st esten en A dinil				· · · · ·					,			
	1104 1203 1204	Voriding and fitting fluopeon Coupled set of Water Closel WC) and flushing Cistern of PORTA brand (full size) ive the ost of CP/rubber connection, thimble, seal cover and rawal other complete in all respects as approved and directed by the ingineer incharge.					ÞĪ	Евсћ	08.21651	128461	104871		4	
	rida rida evo einit e se	Toviding and laying superb quality Ceramic files dado of lease brand of specified size, Clossy/Matt/Texture kirting/dado of approve Color and Shade with adhesive bond over 1/2"thick (1:2) cemen plaster i/c the cost of sealer for inishing the joints i/c cutting grindin complete in all respects approved and directed by the Engine Inchastge. i)				· ·	L Z9Z	#S-4	59.262	Z67897	7.62892		4	
	bras and brici brici and	Toviding and laying superb quality Ceranic ille floors of Master into disponsed Color and a specified size, Clossy/Man/Texture of approved Color in Shade as per approved design with adhesive bond, over 3/4" he joints i/c 2) cement sand plaster i/c 2he cost of sealer for finishing proved and all respects and as pproved and directed by the Engineer and an directed by the Engineer and an and an angle of the Engineer and an and an angle of the Engineer and an angle of the Engineer and an analysis of the Engineer and Annalysis of the Engineer and En					⊅ 9S	1}S-d	06 687	135304	+0£3£1		"	
	Mas with cost	to solit besulg alelonoy villang anegung suying bine and iborotor and shaing abside base solid Sonie besulg besulg and Shaing solid Solid and solid so				·	15851	IJS-d	05:0 + E	S Þ 99 T 9 Þ	40 10042		11	
	floo Cold plas	voiding and laying superb quality Porcelain glazed tiles footing of MASTER brand of specified size in approved design, and Shade with adhesive/bondover 3/4" thick (1:3)coment to lost and Shade with adhesive/bondover 3/4" thick (1:3)coment alotte if c the cost of sealer for finishing the joints i/c cutting haster i/c the cost of sealer for finishing haster i/c the cost of sealer for finishing haster in all respect as approved and directed by the ingineer incomplete in all respect as approved and directed by the ingineer incomplete in all respect as a province in a superpose in the cost of					67711	ग्रड-ब	3 040	S82028E	3830582		"	
Z	工	ξ	þ ·	S	9	L	8	6	OT	TT	7.5	12	ÞΙ	
IAI31 O			ΑiO	tinU	Aate	InnomA	YID /	tinU	Rate	JunomA	Excess	anive2		

× •	gnive2	Excess	truomA	93£8	tinU	Λιb	JunomA	Pate	tinU	. AiD		†	0
ν τ	213786	21	Tī.	ΟĪ	6	8	987813	£4Z	115.9	1882	\$ In Ceramic Tile Size 12"X36" Master Or Equivelent Laid Over 1:2 Ceramic Tile Size 12"X36" Master Or Equivelent Laid Over 1:2 Ceramic Sand Mortar 3/4" Thick I/C Filling Pigment Complete In All Respect As Approved By The Engineer In Charge (For Flooring)		
11	868£45						8686145	587	ħ2.9	Z881	Engineer In Charge (For Skriting) P/L Cennert Sand Mortest 3/4s* Thick 1/C Filling Of Johns With Li 2 Cennert Sand Mortest 3/4s* Thick 1/C Filling Of Johns With Bigment Complete in All Respect As Approved by The		
!	0096291			:			0096791	S6	∄S.q	08941	Providing and fixing of False ceiling consisting of lamenated Cypsum Board (one side laminated) of 1aze 600mm x 600 mmx 9-10 mm board (one side laminated) of 1aze 6.00mm x 600 mixer to 10 mm over "aluminium Tee's 1"x 1"size at 2"0"x2-0"center to screet aluminium angle of sixe 1"x 1" at cornes/ends, including all accessities such as steel 1"x 1" at cornes/ends, including all accessities such as steel family including all accessities such as steel 1"x 1" at cornes/ends, including all accessities in language in all respectants.		
//	1846200						1846200	10860	hɔs3.9	0 / 1	Supply and erection of SMD Light 40 waits of size 2'x2' (Original design) etc complete in all respect as approved by the Engineer Infange.		
11	292000					·	692000	18200	hɔs3.9	35	INCHYRCE LIC CONILIELE VE PUPRONED BY THE ENGINEER PROVIDING AND PESICH PROVIDING AND FIXING GLAZED CONMOD IN WALL FIX		
,	135440						132440	011	∄2.9	1504	I.HE ENCINEEK INCHYKCE CO21 OE AVIT? VAD BAC COL'Y ELC YE VERKOAED RA L'AWINYTION SHEEL SIZE (9-1/15,*9-1/15) WATEK BROOF 1/C PRONIDING AND FIXING WALL PANELLING PVC		
,	1078288						1078286	7.94841	%CLf	4999 7	Providing and Jaying water bound macadam Base Course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening. I/c placing mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified depth, camber and grade to achieve 100% maximum modified ASHTO dry density, including carriage of all materials to site of work complete in all respects. (Analysis attached)		
	8041565						8071565	∠Z'6Z86	Jtz%	40000	Providing and taying plant premixed britinings carpet including Providing and density 2" (compaction and finishing to required cambre gised as attached) in all respect. (Analysis attached)	•	
//	ELLSPI						£778þf	T6t	1)S'd	£0£	Providing and fixing Fiber glass shed consisting vertical post of G.I pipe 4" dia medium quality 10' above floor level and 1'-6" box pipe embedded in cement concrete 7.2:4 below floor level or fixed with bottom steel plate 6"x6" i/c rowel bolls provided with top frame of M.S. 1"x1", gauge 18 SWG, with ituseses of M.S. box pipe 1.1/2"x1 1/2" with 16 SWG 10 1/2" light i/c fixing of 2-ply floor glass sheet and painting of aq pipe frame is included in the rate complete as approved.		
//	504000						204000	00557	dos3.9	8	Providing and fixing cast from bench with wooden planks etc complete in all respect and as approved by the Engineer in charge.		
<i>(</i> /)	068732						267840	ÞΦZ	#J2.9	098	Providing and Fixing of Parking Sheid comprising of 10 SWC coloum pipe 2." dia, 12 SWC main arch pipe 2.5" dia, 14 SWC support and pertlin pipe 2" dia with covering sheer tenselle tabric for 700 CSM size 20'x38' j/c making foundation exceration base conscrete (1.2:4) complete with finishing and as approved and the broader of the base of the		

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	ÞĪ	15	ZI	IT	01	6	8	L	9	S	Þ	3	Z	1
	11	120200						095991	907	H2.9	094	Providing and laying non slippery tiles flooring 12"x12" light colour and in white cement and cement and cement and cement and mortar i/c filling joints with white cement and matching pigments complete in all respects.		
	11	£+6S601						EÞ69601	29.797 <u>1</u>	मन्न.व	079	Providing and fixing stainless steel tailing comprising of 2" distainless steel Hand Rail and Vertical Post at 4" c/c and 1 1/2" distainless steel Hand Rail and Vertical and 3 Rows of 3/4" distainple clamp / catcher 04" c/c vertical and 3 Rows of complete. a pipe Horizental etc i/c Foots / Hoads and screws etc complete in all respects and as approved by the Engineer In charge.		
	11	02 64 705						0267405	075	ñ2.9	8686	RESPIECT & AS APPROVED BY THE ENGINEER INCHARGE SCAFFOLDING, CARRINGE CHARGES COMPLETE IN ALL PLUMINUM FRANTE (TEE & L.) I/C COST OF HOOK & PANTE 1/C CUTTING AND FOLDING OF SHEET FIXED PROVIDING ON FREET FIXED PROVIDING AND FIXING OF ALUMINIUM COMPOSITE.	····	
	//	2100000						2100000	00021	rtse3.9	0S	S/E of 10' high decorated pole i/c head lamps 02 Nos. silver casted without bulbs and wires. (Quiation attached)		
	//	146200						146200	· 98	1 78.9	00/1	Providing and laying under ground brick masonry to protect the electric cable and PVC pipe for street lights and service cables		
	/		310516	915018	1042.00	₩S-q	86Z					Providing and fixing Openable door comprising of 3mm thick lost discounts and lost frame of 60mm/64mm and lost it amount of 60mm/64mm and lost it amount of 60mm/64mm (60mm/64mm) and surface on a fixed min OZ mm wide panel with grooves on botting with cost of hardward, easier the root of the cost of hardward it is a surface of 50mm/64mm/64mm/64mm/64mm/64mm/64mm/64mm/6		
	<i>(</i> /		Z689E8	Z689E8	00.4511	∄2-q	857					Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO.222196) of specified thickness duly welded with thermoplastic equipment placed by the cover self levelling adhesive as approved and directed by the fial Engineer Incharge. (a) Cementitious Urethane (b) Epoxy (c) Polyunethane (d) Urethane		
	//		3492720	07.42648	00.0681	ñ2-q	1848					Supply and installation premiumm graded/scratch-resistant by Uppply and installation premiumm graded/scratch dividing the Wall cladding of specified thickness duly themsoplastic welded conforming to (ISO:22196) and pasted thick gypsum board with adhesive/solvent fixed over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWC G.1 Channael of size 3.5"X."X."X."X." Channael of size 3.5"X "X."X." only screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge		
	. //		555300	008222	00.02841	hɔs2	ST					Providing and fixing thigh quality LED SMD Panel Light 8 ftx2 ft of specifical wathase and Luminous thix with Polystyrone boyowly princing cover made of Philips as approved and directed by Man Linguiser Inchastge (ii) 48 wat/4000 k		
	. //		562500	262500	00.027	Each	OSE					S/E of LED Bulb 18-1Van best quality as approved by the Engineer Incharge		1

٠	4													
0	M. M	र		and	A	,		1 .	Series terroristive Ford Gub Sanii Not Adu			Market Alex	-	
namei phycologic phycologic phycologic	CHANCALLY VETTED De A Coult Young South Zone, Coult Zone, Lacore, Coult Zone, Lacore,		185755t	(W) 596-7/ 100049-77 - 58 100049-77 - 58 10	(+) (+) (+) (+) :\frac{\frac{1}{2}}{2}	'n	Japan Salan Sa	Rs. 1752864/ Rs. 93990468/ Rs. 2000000/ Rs. 101629896/ Rs. 101629896/ Rs. 101.630 (M)	(+) (+) (+) (+) (+) Say:			Add 5% P.5.T.: Add 2% Tree Plantation:		
	"	-/68875:548	-/05E56Z/E 'SH	1501847 1501847 1648500	1648500		ī	Rs. 92237604/-	Total:			Providing and fixing (KSB) Sludge pump 5"x4" (type 100-256) duly coupled with 70 HP / 1450 RPM 380/400 volte 5-phase 50 C/S, MCDP-44 (SEINENS) Electric motor through as flexible coupling mounted on common steel base frame i/c sluces valve, foot valve & emotor control Unit complete in all respect as approved by the Engineer incharge.		
	"		716907	ZT650Z	28.0871		611					Providing and fixing half sliding doot i/of locking artagement agricer in all respect as approved by the Engineer in charge.		56 56
	//		014469	014269	00°S76	∄2-q	8\$2					Supply and installation of Clip-in tile of specified thickness non- broous Alummum labse ceiling of specified size fitted with 'Clip- in' suspension system hanged on Concealed T/Shiplap edge/runners ® 600 mm Kot. V.c. cuning charges of wall with plug and screw ® 500 mm Kot. V.c. cuning charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA Demark, as approved and directed by the Engineer Incharge. (A) 0.6 mm thick (a) Sharp drected by the Engineer Incharge. (A) 0.6 mm thick (a) Sharp edges & shang 1.9 mm (ii) 900 mm hand hand be sealed and		ÞŽ
	ÞĪ	12	15	ττ	10	6	8	L	. 9	S	ע	Ε	7	t
		gnive2	Excess	JunomA	Aste	tinU	γiD	frauomA	Rate	tinU	CtA		Doo	

Amended Rough cost Estimate For Revamping of All THQ Hospitals in Punjab (Phase-2) in THQ Kot Addu District Muzaffargarh (ADP-658)

			,				001015	00+017	dot.4	· · · ·	Construction of Foundation and Tuff Pavers for fiber glass shed	Ú	
0	0.004,812 -	0	<u> </u>				718400	218400	4º1 d	- L	Constrction of Fibre glass waiting shed.	SI .	
		0	ļ				0001/11	954	RÆ	1220	Supply and erection of 4 core cable PVC insulated, PVC sheathed 4 core of	Ħ	
. 0	0.008,171,1 -	0	<u> </u>				0081711	7052	¥S	068	(Right Wilter Filtration Plant (Building)	εĭ	
	0.087,668 -	0	1				8899730	E+09+611	P.Job	1	Sewetage & water supply	7.7	
	225,236.00	12171279	67217121		P.Job	<u> </u>	11946043		P.Job		Construction of Road	Ħ	_
	0.008,817,11 -	406200	007901		dot.q		12123100	12123100	4-10				
		008'465'E	8978		ВÜ	1100	\$140 1 51	6055	¥Я	3886	Construction of Boundary Wall 9" thick 8"	υī	
	0.471,813,174.00									-	APPROVED BY THE ENGINEER INCHARGE"		
			,								PROOF I/C COST OF NAILS AND PVC GULA ETC AS		
		0		- 1			135440	011	flz	1204	LAMINATION SHEET SIZE (9-1/2"x9-1/2") WATER		
		·	1 1					1	1		PROVIDING AND FIXING WALL PANELLING PVC	6	
	- 132,440.00										ENGINEER INCHARGE		
				1							AND DESIGN ETC COMPLETE AS APPROVED BY THE		
		0	1				000765	18500	dəs∃	32	FIX (PORTA HD 8801 WH) OF APPROVED COLOR		
ļ		•	Į l		ļ				1		PROVIDING AND FIXING GLAZED COMMOD IN WALL	8	
10	00.000,262 -		<u> </u>			-		_ 		 	approved by the Engineer Inharge.		
			1				0070101	ADDOT	Евсћ	0 <i>L</i> I	2,x2' (Original design) etc complete in all respect as		
ļ	ļ	0	[]		Į		1846200	09801	4003	021	Supply and erection of SMD Light 40 watts of size	Ĺ	
l (00.002,846,1 -							 		-	арргоved by the Engineer Incharge	1	_
			1								plugs. Cross Joints etc. complete in all respect, and as		
	'										such as steel hanging wire, hooks, screws,nails, rowel		
1				l			1				size I" x I" at cornes/ends, including all accessries		
				1						08941	lo algus muiniming & ale satus angle of		
- 1		0					0096491	56		08921	Tee's I"x I"size at 2,-0"x2-0"center to center		
			1				•		ļ		muinimuls	ŀ	
				İ							one side laminated) of size 600mm x 600mm x 9-10 0 mm over		
ı										ļ	Providing & fixing false ceiling consisting of lamenated Gypsum Board	9	
	00.008,678,1		ļ								(for skirting).	1	_
	<u> </u>								1		complete in all respect as approved & directed by the Engineer Incharge		
1							843898	687	file	1882	cement sand mortar 3/4" thick i/c filling of joints with matching pigment		
		0	1				0000;2				P/L Ceramic tile size 12" x 36" Master or equivalent tile laid over 1:2	s	
l	- 243,898.00	ļ									(for flooring).	1	-
								•			complete in all respect as approved & directed by the Engineer Incharge		
			h				987512	573	ñг	1882	cement sand mortar 3/4" thick i/c filling of joints with matching pigment	,	
		0		\ \ \			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				P/L Ceramic tile size 12" x 36" Master or equivalent tile laid over 1:2		
	00.887,818 -						<u> </u>				Engineer Incharge (for skirting)	1	-
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	1								matching pigment complete in all respect as approved & directed by the		
1							Z8£\$L9\$	687	ys	86961	laid in white cement over 1/2" thick c/s mortar 1.2 i/c filling of joints with	rl	
		0					0003233		ļ		P/L Salt'n Pepper (SPM) Light polished SB of 24" x 24" Master made tile	[] £	
	- 5,675,382.00		Į.								Engineer Incharge (for floor).	1	-
	00 000 120 1										natching pigment complete in all respect as approved & directed by the		
			1				0088805	582	ıjs	17680	sid in white centent over 1/2" thick c/s mortar 1:2 i/c filling of joints with	ıl .	
		0	\				0000003	200	"		2/C Salt'n Pepper (SPM) Light polished SB of 24" X 24" Master made tile with a strong signal and the strong signal and the strong signal and signal and signal sign	; ;	
j	00.008,850,8 -								,		Additional / Non Schedule Items Additional / Waster made tile	} '	-
	00 000 000 3	 											_
	00.001,450,8	98551582	28513386	P.Job	ī	I	19488600	19488600	dol.q	<u>l</u>	Michael Berlding (Detail Attached		Г
	00.887,4 <u>50,</u> 9	7,001,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		1					nternal Development	+	+
<u>ا</u>	00.11	01	6		3	7	9	9	t	3	7	۲	-+
٥٢	UU PP	JunomA	Rate)it		Qty	JunomA	Pate	tinL	Oty L	1		
		<u> </u>		1		· · ·					Description	·oN	Sr.
Remari	(0)	17707	December	Leon A	nfasil	ì		oer 2021)	31st Decem	0]			
	(9-01)	st Estimate (S202)	, ∡อนุพองอ <u>()</u> วา แถกกระ ก≏เ	nnamA Ne at vi	rad sw	,	filmate (1st July	eq Kongh cost Es	ber Approv	s∀			\bot
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		30 CCV 09E CV				101,630,048.72		 		 			
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		2,255,258,25	+			51,906,959		┼──-	┼──	<u> </u>	d WAPDA charges and Total	<u> </u>	\dashv
	00.744,288,84	- 59150154	┪	+		09'085'669'\$			┼──	├ ─	se Plantation 1%	17	\dashv
	00.008,914	0086[4	OOCCEL			51906656		 	├	 	0.2% F3T		-
	3,628,278.00	-1 0	005614		dol. q	0	 	 	├	<u> </u>	IstoT great 102 h		
	5,074,920.00	- 0	 	1		3628278	3628278	dol.q	00017	<u> </u>	SIPILI I SIPO M SI		
	156,560.00	- 0	╃───	 		2074920	0200036	447 d	dol.q		oviding & installing street light 10' height.	<u>10</u> 17	
	1,095,943.00	- 0	┼──	 _		095951	907	<u></u>	fite	86£6	TOTAL MORE AS A MINISTER OF THE PROPERTY OF TH	1 <u>d</u> 0z	_
	T		├ ───	+		1095943	59.7971		US	094	ovision of Anti Skidding Ramps Miffing of front elevation.	U 61	_
	,]	1 1	-		37 6961		RA	079	oviding & fixing of Stainless Steel railing.	4 81	
	404,385.00			1 1		585404	\$88707		200: 1				
	204,000.00	0	┼───				1 200,00	ł	dol.q	ì			
		 	├──-	├─ ─├		204000	00552	ŀ	0001		roviding & fixing of parking shed comprising of 10 SWG column pipe dia, 12 SWG support and pedin time 3" dis, 12 SWG support and pedin time 3" dis, 15 SWG support and pedin time 3" dis, 15 SWG support and pedin time 3" dis, 16 SWG support and pedin time 3" dis, 16 SWG support and pedin time 3" dis, 16 SWG support and pedin time 3" dis, 16 SWG support and pedin time 3" dis, 16 SWG support and pedin time 3" dis, 17 SWG support and pedin time 3" dis, 18 SWG support and 18 SWG support an	5	
			ĺ	1 1	ľ		 	<u>-</u> ⊦	P.Job	8	toviding & fixing cast iron bench with wooden planks etc complete in all live of parking after on the complete in all lives of parking after one of the complete in all lives of parking after one of the complete in all lives of parking after one of the complete in all lives of	d 91 T	
Zt	00.677,841 -	0				£7784 <u>1</u>	167		#S	£0£	i.6" i/c rowel bolts provided with top frame of M.S 1" x 1", guage 18 . WG with trusses of M.S box pipe $1-1/2$ " x $1-1/2$ " with 16 SWG 10-1/2" ght i/c freing of 2-ply fiber glass sheet and painting of sq pipe frame is roluded in the rate complete as approved. (10 x 500 = 5000 sft)	; ; ;	_(
<u> </u>	00 11	10	6	8				}	1		its inwedium quality 10' shove floot level and 1'-6" box pipe embedded in sement concrete 1.2:4 below floot level or fixed box pipe embedded in	ł	
		trnomA	Rate	JinU	σιλ	9	<u> </u>	Þ		3	Trainers agritais and bada easly 19dfi gnixil 38 gnibivor	(1)	(1)
Remari						JunomA	Bate		JinU	ব্য		1	$\Gamma^{\frac{n}{1}}$
<u> </u>	gniva2 (-) Saving (10-6)	n cost Estimate er 2022)	Ided Rougi	per Amei t july to	eA et)	(Estimate (1st July	er 2021)	Decemi	ists of		noitqinaed	Sr No.	

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Sr.	Decription	52	- I	117	4		*
ρ,	mondines.	0.1	rengin.	Dicauin	Depui	Contents	Amount
, 1"	Dismantling glazed or encaustic tiles, etc.	s, etc.					
	flooring	1 x	X	17	# .	290 Sft	
		× × 	X C.17	, , , , , , , , , , , , , ,	н /п	25 85 T	
	, ,	/×)		72 Sft	
	skirting	2x1 x(20 ÷	14.5)x	11/2=	104 Sft	
			11.5 +	8.5)x	11/2=	60 Sft	
			+ 8	κ (&	rO II	160 Sft	
	· ·	2x2 x(+ 0	x(9)	رح ا	240 Sft	
			• •		Total: =	2335.85 %.Sft	12473 - Rs \$ 2927
2	Dismantling lime or cement concrete, under water.	te, under w	ater, c)		•		
	Dismantling cement concrete 1:2:4 plain	plain.	,				
	tiles flooring	-	× 02	1. 1.	1/8 ==	3% C#	
	G	× ;	11.5 x	X 25	8/1	12 Cft	
			×	×	1/8=		
		× ×	: x	× × •	1/8=) Ci	
	flagged flooring	2 ×		12 x	1/8 ==	18 Cft	
	0	: ×	: ×	12 x	= 8/1	53 Cft	
		· ×		23 ×	= 8/1	46 Cft	-
		: ×		8 10 8	1/8 =	13 Cft	
		. ×	17 ×	7.5 x	1/8=	5 : :	
		•			Total: =	206 Cft	
					(2)	11174 60 WCFF	Re 23016/
	Diemantling 2nd class tila roofing				9		for one in the
5	Dismantanty Zita class the toothig.		2 0 11	6 10	ı	10,679	
		≺ ⊣ -	x C:0#	X C.0C		1007 211	
					l otal:	186785	1000
	:				3)	1209.85 %stt	KS. 23/11/-
	Kemoving cement or time plaster	,		?			
		× :	× /1	N E	1 1	17.0 SIT	
		× .			II - 1	115 CF	
		⊣	x -	X 34 0 10 10 10 10 10 10 10 10 10 10 10 10 1	<u> </u>	40 SH	
		X 7X7	+ 07 11 E	x(c.e1 · (⊇ 8	ו ו ס כָּ	414 311	
		X X	11.0	x(c.o	1 1	110 001	
				ei o	Total.	1203 564	
					9	C4	Rs. 5473/-
ır	To the state of th				0		6 3 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6
)	Scraping-venue wash of coon wash		i				
		× 		× C.4.	H 1	150 CS	
		× ,	X C.Z.		1 1	13 of 13	
		× ;	×××	x\.	11 i	7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
		× \;	Φ	× 2.	ı Vu) + + + + + + + + + + + + + + + + + + +	
		`	κ λ · · ·	< × C	1	420 sft	
		·		23 x .	H	368 sft	-
		 . ×	×	× 10.8	"	102 salt	
		7		7.5 x	7	of sft	
		2x1 x(20 +	7	10 =	. tjs 069	
		2x1 x(11.5 +		10 =	400 Sft	
			+ &		61/2 =	208 Sft	-
		2x2 x(+. 9		= 8/8 =	312 Sft	
		2x1 x(÷ +	12)x	11 =	396 Sít	
		2x1 x(35 +	. 12)x	11 ==	1034 Sft	
		2x1 x(16 +	23)x	11	858 Sft	
		2x1 x(12 +	8.5)x	11 =	451 Sft	
		2x1 x(12 +	7.5)x	11	429 Sft	
					Total: =	477 26426 - Sft	72.52
				٠	©,	@ 253.95 %Cft	Rs. 16318/ -
9	Removing door with chowkat.						
		1 x	10			10 Nos.	
				÷	Total: =	Ž 91	100 kg
					•	@ 438.U0 F-No.	KS, 436U/-
7	7 Removing windows and sky light with chowkat.	with chow					
		1 x	C1	•	ii :	2 Nos.	
					iotat: =	3415	Rs. 683/-
						2011	

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD **QUARTER HOSPITAL KOT ADU DISTRICT MUZAFFARGARH**"

GENERAL ABSTRACT OF COST

29,24,68

1 Renovation/Rehabilitation of Main Building (Eye Ward)

= Rs. 3167200/-

2 Electric Installation

= Rs. 141689, 161132

3 Sanitary Installation

Total

= Rs. 3583000/ = Rs. 274200/-

33948

Sub Divisional Sub Buildings Sub Divi

Executive Extinder
Paritaings Division
Muzaffargarh



Excavation in foundation of buildings bridges other structures i/c dag belling refilling dressing lead upto one chain and lift upto 5' in ordinary soil. œ

	60	tr:
	2 =	II
	11/2	_
	2 ×	بر س
	×	×
	2	13
į	1 x	l x

6

Rs. 972/-

Rs. 3468/-

%Cft

8891.50

(3)

Total:

Rs. 48316/-

%Cft

28578.70

Rs. 2618/-

Rs. 2629/-

%Cft

2823.30

(3)

			<u></u>
Œ	ŧ	CFt	0% C
116	55 Cft	171 Cft	15350.15 %Cft
ij	11	# - <u>:</u> :	(3)
—	—	Total: ≖	
10.75 x	2.75 x		
10.75 x	10.00 x		
x 1.	2 ×		

$10.75 \times 10.75 \times 1/3 = 38 \text{ Cft}$ $10.00 \times 2.75 \times 1 = 55 \text{ Cft}$	93 Cft	Total: =			
$10.75 \times 1/3 =$	55 Cft	н	2.75 x	10.00 ×	
	38 Cft	11	10.75 x	$10.75 \times$	

יוניום חו מוז וכא	called in			
×	$10.75 \times$	10.75 x	1/3 =	38 Cft
×	20 x	14.5 x	1/3 =	96 Cft
/ 1×	11.5 x	X 10.8	1/3 =	32 Cft
1 ×	×	× ×	= 8/3/	21 Cft
2 x.	6 x.	× 9	/ 1/3 =	24 Cft
2 x	y 9	12 ×	1/3 =	48 Cft
1 x	35 x	12/	1/3 =	139 Cft
1 ×	16 x	×	1/3 =	121 Cft
.1 ×	12 x	8.5 x	1/3 =	34 Cft
1 x	12 ×	/ 7.5 x	1/3 =	30 Cft
. N	10.00 x	2.75 x	1/3 =	18 Cft
	\		Total: ==	600 Cft

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

9284.40

300	Total 1				
13 CÍ	1/8 =	X C		2×10	
21 Cf	1/8 =	13 x		1 x 13	
11 CE	1/8 =	7.5 x		1 x 12	
13 Cf		5 x		2 x 30	
21 Cf		13 x		1 x 13	
11 Cf	1/8 =	7.5 x		1 x 12	
13 Cf	1/8 =	x m	× -	2×10	
21 Cf	1/8 =	13 x			
11 CI	1/8 = 1	7.5 x	×	1×12	
13 Cf	1/8 =	8.5 x	×		
46 Cf	1/8 =	23 x			
53 Cf	1/8 =	12 x	×		
18 Cf	= 8/1	12 x	×	2×6	
) OC	1/8 =	ў. 9	9		
8 CF	1/8 =	××	× 8	1 x	
12 CF	1/8 =	\$0. X			
36 Cfi	1/8 =	14.5 x	20 x	1 x	

38126.10

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

13 x 13

85 SFT 254 SFT 169 SFT Total: =

Rs. 331819/-

P-SFT

1308.95

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

9

d) (Non-Skid Chequred Tiles) 300mmx300mm.

P-SFT 100 SFT 100 SFT 211.55 (3) Total: =

2

Rs. 21155/-

, using delux section of M/s Al-Cop ing all types of partly fixed and lazed anodised/ powder coated Providing and fix partly openable aluminium doors

17

P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood thick matching wooden lipping as approved and directed by the Engineer handles, glue, sawing charges, Painting charges, sand papering and 3/8" in style and rails under proper pressure i/c the cost of nails, tower bolt , 51

Total:

Incharge.

Providing and fixing M.S. flat ½"xy/8" (13m/n x 3mm) grill including ¾"x/8" (20 mm/3 mm) M.S. flat frame, in windows of approved design/including printing three coats, complete in all respects.

13

11/2 x (4"x%") and leaf frame sections of $50 \times 20 \text{ mm } (2"x\%")$, all of 1.6mm thickness including 5 mm thick imported Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and frame size of 100 x 20 mm approved 8 X sections of delux having partly sliding using manufacturer C.W. 19

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

standard latches, hardware etc., as approved by the

Engineer in-charge

with rubber gasket using approved

tinted glass

103 Sft 96 Sft 7 Sft @ 1841.45 = 9 Total: = 1.5

8 x 11/2 x

P.Sft

135-4 170 Sft

502.29 1437.60

85374

103 Sft 96 Sft 7 Sft **⊫** Fotal: =

××

win W1

P.Sft @ **45**00.90

v	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design. Color and Shade with adhesive/bondover 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. a) Full body Glazed tiles (i) 600 mm x 600 mm	lity Porcelain g of specified si ad Shade w (3)cement plaste he joints i/c cu t as approved m x 600 mm	Porcelain glazed specified size in Shade with ement plaster i/c joints i/c cutting s approved and x 600 mm	azed e in th r i/c tting and			;		
	OT office	H H C			14.5 x - 8.5 x -		11 # :	290 Sft 98 Sft	
•	ver. Skore	× × v — ·	35		12 x x	1 1	N N	144 SH 420 SA	
		× × :		12 x 12 x	80.7 7.57 7.57	1 1	ķ H I	102 Sft 90 Sft	
		×		× (7	x 91	- Total:	@ 340.50	308 SII 1512 Sfi	P.Sft
	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bondover 1/2"thick (1:2)cement plaster i/c the cost of and scaler for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile (i) 600 mm x 600 mm.	ality Porcelain glaze/dado of specified achesive/bondover the cost of and scale inding complete in a ted by the Enginee 600 mm x 600 mm.	ain glazed specified bondover and scale iplete in al	zed ed er uler all all					
	office office	1x2 x(•	20 + 11.5 +	14.5)x 8.5)x	चा चा र	je (i 4	276 Sft 160 Sft 288 Sft	
	ver. bath office		<u>3</u> 2			मचा च्	H U	376 Sft 164 Sft	
	Ver.			12 + 22 +		· - ; -	11 14		
						Total:	: = @ 340.50	1732 Sft P.	Sfŧ
CV.	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1.2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i)12"x18"/12"x24"/10"x24"/12"x36"	uality Ceramic tile floors specified size, wed Color and Shade as hesive bond, over 3/4" i/c the cost of sealer for grinding complete in all directed by the Engineer (24"/12"x36"	mic tile floors d size, and Shade as ud, over 3/4" st of sealer for omplete in all r the Engineer	e as /4" for nall					
	bath	1 × ×		× × ∞ ∨	× ×	1 1	11 11	64 Sft 72 Sft	
						Total:	I: = @ 239.90	136 Sft	P.Sft
	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approve Color and Shade with adhesive bond over 1/2'thick (1:2) cemen plaster i/c the cost of sealer for finishing the joints i/c cutting grindin complete in all respects as approved and directed by the Engineer in charge.	berb quality Ceramic tiles and of specified size, ing/dado of approve Color bond over 1/2"thick (1:2) of sealer for finishing the complete in all respects as the Engineer in charge.	Ceramic tile ecified size, approve Colo 1/2"thick (1:2 r finishing th all respects er in charge.	tiles ize, Color (1:2) the trs as					
		1x2 2x2 ,	××	+ +	x(9 x(9	7 7 Total:	# II II (©).	224 Sft 336 Sft 560 Sft 292.65	r P.Sft
	²⁴ 1/2" thick cement plaster 1:4 on walls upto 20' height.	<i>«</i> alls upto	20' heig	jht.					
		212	* * * * ×	17 x 9 x 5 x 20 +	10 x 5 x 8 x 14.5)x	9	11 H H H	340 sft 90 sft 80 sft 414 Sft	
		2x1 2x1	××	11.5 + 8 +	8.5 × (8.5 ×	: 10 : 7 Total:	ig.	400 Sft 224 Sft 1548 Sft	
	- - -						(8)		%Sft

Rs. 589746/-

Rs. 514751/-

Rs. 50180/-

Rs. 163884/-

Rs. 32626/-

				Rs. 274364/-		Rs. 3417/-									٠								Rs. 101432/-						Rs. 169148/-	E	1 Rs. 9229/-		Say: Rs. 3167200/-	243645 / C			ngineer Nivision garlı	
			1867 Sft	1867 Sft 14693.50 %sft	4 Nos.	4 Nos. 854.35 P.Each		290 sft	98 sft	54 srt 72 sft	144 sft	368 sft	102 sft	90 sft	300 Sft	144 Sft	216 Sft	270 Sft	705 Sft	308 Sft	293 Sft	sft	2034.65 %Cft		2723 Sft	605 Sft 3328 Sft	96 Sft 7 Sft	103 Sft	3225 Sft 5245.30 % Sft	2926049 Total: 28519492857	hanc	14 302A	20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1 418672 14600	(1) (M)9	+	Executate Engineer Buildings Division Muzaffargarh	3
			# #	Total: = @		Total: = @		11	li i	ti A	11	H It	li	, , ,	71/2=	41/2=	41/2=	71/2=	71/2=	71/2=	71/2=	11	(3)		15.125 =	15.125 = Total: =	20 10 11 11 11 11 11 11 11 11 11 11 11 11 11	Total: =	B (5)	J		28786	9-60 K	Total =	27.10		V	
			38.5 x		×			14.5 x		× ×	12 x	12 x 23 x	8.5.5 × 5.5	7.5 x	X(C.8.	s (s	x(9	12)x	12)×	23)X X 5)X	7.5)x		883.1 =		x(0F	20)x	× ×		103 192 5.4 5				NET (A-15)	ن	. (on Division Sub Division Addu	
,	05)	e over	48.5 x		×		nint:-	20 x	11.5 x	× × o •o	ĪII			12 x 20.	11.5 +	+ 0 ×	+ \$	+ 9	35 +	16 + 17 +	12 +		1151.55 +	5 primer	+ 05	20 +	6 x. 11/2 x	:	3328 - 3319.85 +		C	Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan					Sub Dresional Buildings Sub Kot Add	TOXI
	insulation, comprising 1½" (225x113x40 mm) mortar 1:3 laid over 2'	; muu piaster) over lythene sheet 300 gaug le in all respects:-iii) m) thick	1 ×		1 x		ating with emulsion pa	1 × 1	× ;	x x	: × :	× ×		_	2x1 x()x 1x2	2x1 x(2x2 x(2x1 x(2x1 x(2x1 ×(yeather shield paint of nal surface of building surface, application of new surface: 3 coats	2 x(1 x(м. N					old methol				V		
	Providing and taying roof insulation, comprising of singletayer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) this contract of the singletary of	then unex earth (including into plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:-iii) Thermopore sheet I" (25 mm) thick			26 khurras on roof 2'x2'x6".		Preparing surface and painting with emulsion paint- 02 coat on new surface.																	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) new surface: 3 coats	External surface				Net Qty:		Add 3% Contingency:-	Med	·		1	Juden	Sun Engineer	
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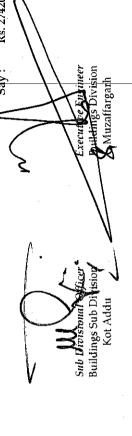
		_		
	Amount		10007	neer sion th
			200/	Executificationer Fanklings Division Auzaffargarh
	Contents		35 Sft 35 Sft (2) 1200	Execution
	Depth		Total: =	/1.
	Breadth		K	Mescalin Officer ngs Sub Livision Kot Addu
	Length	sing of e of 60 nforced ide panel ccted by	21/2 x	Sub Dressin Buildings Sub D Kot Addu
	No	r comparia wkat framath duly rei 20 mm wed and dire	70 N	
The second secon	Description	Providing and fixing openable door comparising of 3mm thick upve hollow perfile chowkat frame of 60 mm x 64mm leaf 60mmx106mm both duly reinforced with g.i box frame inside wide with 20 mm wide panel groves on both sides as per approved and directed by Engineer in charge (Analyis attatched).		Sub Engineer
	Sr. No			,
	1			

Electric Installation Eye Ward

Sr. No Description	٥N	Length	Breadth	Depth	Contents	A	Amount	<u>.</u>
1 Supply and Erection of PVC pipe for wiring on resessed i/c inspection boxes pull boxes hook	r wiring or	' bends						<i>i</i> *
reducer and prepairing surface etc complete. 3/4" dia	complete. 3	/4" dia	•					
	4. ×	2	*	= Total: =	88 Rft 88 Rft			
				3	81.70 P.	P.Rft	Rs. 7190/-	-
2. Supply and erection of single core PVC insulated copper conductor crables, in prelaid PVC pipe/M.S. conduit/C.l pipe/wooden strip batten/wooden casing and capping/G.l.wire //trenches (rate for cables only):- a) 250/440 volts, PVC	VC insulat PVC pipe/ ten/woode 250/440 vo	ed M.Ş. m casing Its, PVC						· ·
insulated: (i) 3/0.029*	2 * ×	, 120 × 200 x	* * † j	# # # - } I	120 Rft 400 Rft			
(ii) 7/0.029°	ī. X	× 08	*	Totak = @	© 25.70 P. P. = 400 Rft	i P.RA	Rs. 13364/-	
				Total: ≂ @	40.75 P.	t . P.Rft	Rs. 16300/-	
iii 7/0.036"	ю . ×	100 ×	×		300 Rf	Ž.	JOSEPH - CO	
3 Supply & Erection of switch piano type 5 Amp	type 5 Amp	s.		∌	53.80	r.Kit	KS. 1614U/-	.
	τ. ×	25 ×	. × . I	Total:	25 N. 25 N.	OS. OS. P.Fach	Rs. 1800/.	
4 Supply and erection of 3 pin. 5 Amp wall socket.	p wall sock	er:)				
	×	ω ×	* . I	- Total: #	8 Nos. 8 Nos. 8)S.)S. P Gach	7r201 38	
 Supply and erection of LEO Bulb 18 watt best quality as approved by the engineer incharge 	8 watt best rge	quality						
	×	× 05 .		Total:	50 Nos. 50 Nos. 60 750.00 P.1	os. Os. P.Each	Rs. 37500/	
P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of 3 switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (a) One way Gange Switch Small	Face plat Ide of Hi- ngineer II	e with spe Life / Bush ncharge	scified switc	h holes i/c r, screws c	the cost of omplete as		:	
(iii) 03 Gange (iv) Three nin light Dhar 10/13 Ame	\$ \$					S	745.8	3729
(vi) Fan Dimmer	d					τo 4	613.8	3069
(vii) Bell push (viii) Three Pin Power Plug 15-32 Amp	2 Amp					t m r	481.8	2407.2 1445.4 3790
Large (i) 04 Gange			,			,	0.75	60/6
(ii) 06 Gange						4 K	805.8 1,165.80	3223.2 3497.4
9 P/F wall mounted DB (Distribution Board) made with 165WG Sheet (Recessied/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Annueter, Volt Selector Switch, Annueter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Scparately).	m Board) m mounted T of Lock, fm ring, Netur eter, Digital uneter sele Controles C ected by the	ade with 'ype), lication al & Earth ctor Complete e Engineer						
	 ×	,	×	Total:	1 Nos. 1 Nos. @ 41912.65 P.B	os. P.Each	Rs. 41913/-	
Add 3% Contingency:-						Total:	I: Rs. 241587fr Rs. 42487	
		. •	(Total:		10 12 12 12 12 12 12 12 12 12 12 12 12 12
			\ \ \	1	<u></u>	Say:	: Rs. 144000/	

			Rs. 23518/-	RS. 11144.	7.000		Rs. 15510/-		Rs. 41747/-	Rs. 3397/-	Rs. 7533/-	Rs. 6645/-	Rs. 7533/-
	Amount			Rs. 1.	F	West T	Rs. 1		Rs. 4	RS	RS	Rs	
			Rft Rft R ft P.Rft	5 No. 5 No. P.Each	3 No. 3 No.	r. Each	3 No. 3 No. P.Each		3 No. 3 No. P.Each	12 No. 12 No. P.Each	12 No. 12 No. 12 No.	12 No. 12 No. P.Each	12 No. 12 No. 12 No. P.Each
	Contents		100 Rft 120 Rft 220 Rft	LO LO		@ 4 025.10	5169.95		@ 13915.80	(a) 283,10	@ 627.75	@ 553.75	627.73
Vard	Depth		- = - - = Total: = @	= Total: = @	Total:		= Total: = @		= Total: =	Total:	 Total: =	 Total: =	Total:
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y install	gth	0 0 1	* *	*	x Su	-: 1	×	r full	×	. ×	× Su	×	ing × 2
Sanitar	Length	of (PPRC) essure rming t rming t roved Externa	100	g valve 5	-gallon e coupli 3	ısh hanı racket s	ю	of Wate brand (i imble, pects as rrge.	∞	. 12	includin :- 12	ck:-a)	includir 5- 12
	Š	Ssioning of DLYMER cified pre and confort, special ct as appointernal/	3 × ×	ed mixin	cistern 3 ind waste 1 x	ware wa luding bi	1, ×	pled set of PORTA ection, the in all reser Incha	1 x	ed) 4" dia 1 x	ast iron, L grating 1 x	k/bib coc	cast iron, I. grating 1 ×
	Description	Providing laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned) i- PN 20	(iii)(1") 32 mm	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	P/F Plastic made low down flushing cistern 3-gallon capacity i/c bracket set, waste pipe and waste coupling Coloured.	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal		Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.		6 Providing and fixing, "P" trap (glazed) 4" dia. 1 x	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating: 1 x 12	8 Providing and fixing brass stop cock/bib cock:-a) 15 mm (½") dia 1 x	9 Providing and fixing, gully trap of cast iron, including concrete chamber all round, and C.I. grating:
	Sr.	्रव ्य	•	C1	m	4 		11.)		•			·

			Rs. 136431/				Rs. 8697/
	180 No.	180 No.	P.Each		16 No.	16 No.	P.Each
	# X	Total: =	@ 757.95			Total: =	@ 543.55
10 Providing, laying, cutting, jointing, testing and disinfecting Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.S. with 'D' and valves is not included in the Class working pressure complete in all respects:-4" i/d (100 mm)	$12 \times 15 \times -$			11 Providing and installing P.V.C. bends, of B.S.S. i) Class `B' working pressure:- 4" i/d (100 mm)	1x 16 x		



ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL KOT ADU DISTRICT MUZAFFARGARH"

GENERAL ABSTRACT OF COST

1 Renovation/Rehabilitation of Main Building (Operation Theatre)

2 Electric Installation

3 Sanitary Installation

978335

504147 = Rs.

= Rs. 734900/

= Rs. 262800/-

10793548, Rs. 6441400/

Total

Sub Divisional Buildings Sub Div Kot Addu

Executive Elginee Brildings Division

Sixing glaced or encantificities, etc. 1	Description	oN O	Length	Breadth	Depth	Contents	Amount
X	nantling glazed or encaustic t	les, etc.				مسمسما ليبي يستخسستستست	
1	ring	×	20 x	15.5	II	310 Sft	
24 x		Х	20.5 x	20.5	J.	420 Sft	
Total Fig.	ting	-	× + 02	0 V(E C)	7 II II	42 SH 284 Sh	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			20.5 +	20.5)x	ं चा	328 Sft	
The control of the vactor of the vactor of time phaser (1) and the vactor of time 0 and 0			7.+	x(.9	5	130 Sft	
cement concrete, under water, 0 cement concrete 12.4 plain. Lement con			11.5 +	16)x	## 	220 Sft	
Total = 1874 St. Inner or cement concrete under water. c)			11.5 +	x(9	4	140 Sft	
Figure 1 Figure					Total: =	1874 Sft	-
cement concrete, under water, c) cement concrete 12.4 plain. X 115 x 8 x 1/8 = 12 Ch X 115 x 6 x 1/8 = 9 Ch X 115 x 6 x 1/8 = 9 Ch X 117 x 117 x 15 x 1/8 = 3 Ch X 117 x 15 x 1/8 = 3 Ch X 117 x 15 x 1/8 = 3 Ch X 117 x 15 x 1/8 = 3 Ch X 117 x 15 x 1/8 = 3 Ch X 117 x 15 x 1/8 = 3 Ch X 117 x 15 x 1/8 = 17 Ch X 117 x 15 x 1/8 = 17 Ch X 12 x 15 x 1/8 = 9 Ch X 12 x 1/8 = 9 Ch X 13 x 1/8 = 9 Ch X 14 x 1/8 x 1/8 = X 17 x 1/8 x 1/8 x X 17 x 1/8 x X 17 x 1/8 x X 17 x 1/8 x X 17 x					(3)		Rs. 437
cement concrete 12.9 plain. X	nantling lime or cement conc	ete, under v	vater. c)				
ing $1 \times 115 \times 75 \times 1/8 = 12 \text{ Cft}$ $1 \times 115 \times 75 \times 1/8 = 11 \text{ Cft}$ $1 \times 115 \times 75 \times 1/8 = 11 \text{ Cft}$ $1 \times 115 \times 75 \times 1/8 = 11 \text{ Cft}$ $1 \times 111/2 \times 15 \times 1/8 = 20 \text{ Cft}$ $1 \times 111/2 \times 15 \times 1/8 = 20 \text{ Cft}$ $1 \times 111/2 \times 15 \times 1/8 = 20 \text{ Cft}$ $1 \times 111/2 \times 15 \times 1/8 = 14 \text{ Cft}$ $1 \times 111/2 \times 15 \times 1/8 = 17 \text{ Cft}$ $1 \times 110 \times 15 \times 1/8 = 17 \text{ Cft}$ $1 \times 110 \times 15 \times 1/8 = 17 \text{ Cft}$ $1 \times 110 \times 15 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $1 \times 10 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 1/8 = 17 \text{ Cft}$ $2 \times 1 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	nantling cement concrete 1.2:	plain.	`	٠			
ing $1 \times 115 \times 75 \times 118 = 11 \text{ Cft}$ $1 \times 115 \times 6 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 15 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 117 \times 178 = 9 \text{ Cft}$ $1 \times 117 \times 178$	flooring	1 ×	x 5.11	× ×	. 1/8 ==		
The state of the	8	, x	11.5 x	7.5 x	1/8 =		•
1 x 7 x 6 x 1/8 = 3 Cft 1 x 11/2 x 11/2 x 1/8 = 3 Cft 1 x 11/2 x 1/8 = 3 Cft 1 x 11/2 x 1/8 = 2.2 Cft 1 x 11/2 x 1/8 = 2.2 Cft 1 x 11/2 x 1/8 = 2.2 Cft 1 x 1/8 = 2.2 Cft 1 x 1/8 = 2.2 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1.7 (1.8 = 1.4 Cft 1 x 1/8 = 1		1 ×	11.5 x	. 6 x	1/8 =		
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ged flooring	, ,	ب ا ا		1/8 =	3 Cft	
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			•	9					. •		5 Removing door with chowkat.		6 Removing windows and sky light with chowkat.			7 Supply anf filling sand under flo	whys.	/	/						•		· .							sand, for floor foundation, complete in all respects													•	

Plain. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):(f) Ratio 1: 2: 4 5

30 Cft	28 Cft	23 Cft	12 Cft	14 Cft	61 Cft	57 Cft	162 Cft	36 Cft	102 Cft	84 Cft	44 Cft	23 Cft	23 Cft	139 Cft	44 Cft	12 Cft	10 Cft	
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1/	133	<u>.</u> 23	1/	1//8	1/3	1	1/3	1/3	1/3	1/3	1/3	1/3	1/8	1/3	1/8	1//8	1/3	Total:
æ ×	7.5 x	x. 9.	6.75 x	y 9	16 x	15 x	35 x	15.5 x	15.5°x	16 x	16 x	7 ×	7 ×	20.5 ×	11 x	in X	8 × 9	
11.5 x	11.5 x	11.5 x	5.25 x	7 ×	$111/2 \times$	11 1/2 x	7 ×	×	20 ×	16 x	81/2×	10 ×	10 ×	201/2 ×	12 x	7 ×	.51/2×	
1 x	, ,	×	1 ×	1 ×	1 x	1 x	2 x	1 x	1 ×	1 ×	1 x	1 x	1 ×	1 ×	1 ×	1 ×	1 ×	÷

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

1289681

Rs. 2442884

%Cft

38126.10

35 SFT 35 SFT Total: ίŲ Χ

P-SFT 1308.95 (2)

Rs. 45813/-

Providing and fixing all types of partly fixed and

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P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the $\cos t$ of nails, tower bolt,

thick matching wooden lipping as approved and directed by the Engineer handles, glue, sawing charges, Painting charges, sand papering and 3/8"

179 SFT 81 SFT S30259-SFT 23062 rm-charge: <u>×</u> ле спушее Incharge.

8.5 x 11.5 x

\$25.28 \$2.20 Total:

P-SFT

i/c 6"long M.S. Flat 1"x1/8"hold fasts (6 Nos) welded/ screwed, punching of Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" lock hole covered with MS Box, coating with antirust paint including filling

with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge

(i) 15 " wide

Total: Providing and fixing M.S. flat 1/2"x1/8" (43mm x 3mm) grill including 2.1" x 1/8" (20 mmx 2 mm) M.S. flat frame, inwindows of approved design, including painking three coats, complete in all respects. 13

385337

Page 93

So sit

P-Sft

56 Sft 27 Sft 180 Sft 180 Sft

2 2 18 18

7 × 6 X

××

××

P.Sft 881-87 @ 492.20

BhE!

Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame

7

size of 100×20 mm (4"x¾") and leaf frame sections of 50×20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer

(i) J/c Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in

in-charge

of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour

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@125-493, 283

56 Sft 27 Sft 180 Sft 90 Sft 34 Sft 567 Sft 10 10 Total: 2 2 18 71/2; 71/2; / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge, complete in all respect.

15 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bondover 3/4" thick (1:3)cement plaster i/c

P.Sft

@ 1841.45

the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.

office ver. Store

86 Sft 69 Sft 34 Sft 184 Sft 173 Sft 109 Sft 256 Sft 136 Sft 70 Sft 70 Sft 132 Sft 41 Sft 245 Sft 318 Sft 420 Sft 2434 Sft #S 76 Total: 35 x 15.5 x 20.5 x 15 x 15 x 15.5 x 16 x 16 x 11 5.25 6.75 16 11.5 x 11.5 x 11.5 x 11.5 x 10 20.5 16 8.5 7.75 a) Full body Glazed tiles (i) 600 mm x 600 mm

for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile (i) $600~\mathrm{mm} \times 600~\mathrm{mm}$. 1/2"thick (1:2)cement plaster i/c the cost of and sealer Providing and laying superb quality Porcelain glazed adhesive/bondover ō brand, skirting/dado with Shade Master and size,Color ğ tiles 16

Rs. 828671/-

P.Sft

@ 340.50

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Page 94

		-2/8/2 - P Rs. 1109349/ -	1122646							Re 26149L	NS: 20147/							Rs. 147496/-							Rs. 44848/-
336 Sft		3258 Sft ←476 P.Sft						84 Sft	25 Sft	109 Sft						364 Sft	140 Sft	6 292.65 P.Sft		200 sft	58 sft	96 sft 656 Sft	230 Sft	144 Sft	
li -d*	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Total: = @ 340.50						. B	n.	Total: ==	6 7						_ =	Total: = @ 29		II	B	 	י וו	9 1	Total: = @ 3′
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	1x2 x(1x2 x(quality Ceramic til	size, roved Color and Sl	hesive bond, over 3 r i/c the cost of se	grinding completed directed by the E	8"x24"/12"x36"	, 74 X	× T			b quality Cerami	scified size, ig/dado of approv	and over 1/2"thic sealer for finishing	nplete in all respe the Engineer In ch 8"x24"/12"x36"	2x2 x(on walls upto 20'	1 x	1 × 1	1 x)		
	•	Na opena		of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as	per approved design with adhesive bond, over $3/4$ " thick (1,2) cement sand plaster i/c the cost of sealer for	finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer	Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	bath					dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approve Color	and Shade with adhesive bond over 1/2"thick (1:2) cemen plaster i/c the cost of sealer for finishing the	joints I/c cutting grindin complete in all respects as approved and directed by the Engineer In charge. i) 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"	hath) 1/2" thick cement plaster 1:4 on walls upto 20' height.			•			
			17									18							19						

	92 sft	sft sft	69 sft	35 sft	42 sft	184 sft	173 sft	490 sft	109 sft	310 sft	256 sft	132 sft	70 sft	70 sft	420 sft	132 sft	35 sft	32	312 Sft	304 Sft	280 Sft	384 Sft	208 Sft	440 Sft	424 Sft	672 Sft	360 Sft	568 Sft	512 Sft
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Preparing surface and painting with emulsion paint:- 02 coat on new surface.																			-										

Rs. 44848/-

%Sft

@ 3241.60

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Sr.		2	1	N. 1 1 1 1 1			*	
ž	Description	ON No	Length	Breadth	Depth	Contents	Am	Amount
	Providing and fixing openable door comparising of 3mm thick upvc hollow perfile chowkat frame of 60 mm x 64mm leaf 60mmx106mm both duly reinforced with g.i box frame inside wide with 20 mm wide panel groves on both sides as per approved and directed by	oor comparisi owkat frame ooth duly rein th 20 mm wik	ng of of 60 iforced te panel					
	Engineer in Charge.	× e	21/2 x	, x	Total: =	53 Sft 53 Sft	Thou D	= 55226
. 4	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.	obial Hygenic) conforming duly welded over self level d by the Engi	, to with ling meer					
		1 1 X X	20 1/2 x 20 1/2 x	× ×	20.5 = 15.5 = Total: =	420 sft 318 sft 738 sft		(1) 1134=836811/
* ()	Supply and installation of clip-in tiles of specified thickness non-porous Aluminum flase ceiling of specified size fitted with Clip-in suspension system hanged on concealed T/Shiplap edge/runners as approved and directed by the Engineer In-charge $\textcircled{0}$ 600mm x600mm mm grid Edge Trims fasten on wall with plug and screw $\textcircled{0}$ 500 mm c/c i/c cuting charges of tiles to required size suspension rods and joints sealed with cilicon if required of DAMPA/DEmark, as approved and directed by the Engineer incharge.	tiles of specifiase ceiling ouspension sy edge/runners gineer In-chair fasten oo/c i/c cuting m rods and jo DAMIPA/DE gineer inchar.	ied of stem cas in wall charges ints mark, as				· · · · · · · · · · · · · · · · · · ·	
		H H	201/2 × 201/2 ×	. * *	20.5 = 15.5 = Total: =	420 sft 318 sft 738 sft	@ dt/2 =	= 697410/
च	Eupply and installation premimum graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of 2.5mm thick duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.1 Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge.	am graded/sc l Pvc wall clawelded conform thick gyps ed over 14-SV uly screwed or	ratch-fding of orming to um VG G.1					
	bath	1x2 x(1x2 x(20.5 + 20.5 +	20.5)x 15.5)x	12 = 12 12 12 12 12 12 13 13	984 Sft 864 Sft 1848 Sft	0	1840 = 349273
	Andrem Sub Engineer	V	Sub Divisional Divisional Buildings Sub Division Kot Addu	Storm Office Sub Dissign 1 Addu		Exp. Figure 1	Example Engineer Findings Division Muzaffargarh	
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Z S.	Description	No	Length	Breadth	Depth	Contents	Amoun	+
1 Supply resessed reducer	Supply and Erection of PVC pipe for wiring on resessed i/c inspection boxes pull boxes hook bends reducer and prepairing surface etc complete. 3/4" dia	or wiring c boxes hoo complete.	m k bends 3/4" dia					
		10 x	30	× 1 ×	Total:	= 300 Rft 300 Rft @ 81.70 P.Rft		Rs. 24510/-
2 Supply copper conduit and cap / trench	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.l pipe/ wooden strip batten/wooden casing and capping/G.l.wire	PVC insul. 1 PVC pipe. tten/woo	ated 2/M.S. den casing rolts, PVC					
instituted: (i) 3/0.029"	eu.: 9"	13 x 20 x	118		Total:	1534 Rft 4000 Rft 5534 Rft		Re. 142224/.
(ii) 7/0.029°	ō.	X LD	009	× ×	 Total: =	3000 Rf		Rs. 122250/-
iii 7/0.036"	· •	× ∞	100	1 ×	× = Total: = @	800 Rft 800 Rft 53.80 P.Rft		Rs. 43040/-
3 Supply	Supply & Erection of switch piano type 5 Amp. 1 x	type 5 An	np. 70		x - = Total: = @	70 Nos. 70 Nos. 8 72.00 P.Each		Rs. 5040/-
4 Supply	Supply and erection of 3 pin. 5 Amp wall socket.	np wall soc	cket. 20	! ×	× X	20 N.		7030 00
5 Provide Light Max w Philip	Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of 48 watt/4000 k wattage anf Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and direced by the Engineer	y LED SM wattage an matic cove by the Eng	D Panel if Luminous r made of jincer			@ 134.10 F.Edil	·	F007 : 637
Incharge	rge	. T	× 15	l ×	x Total: =	### 15 Nos. ### 15 Nos. ####################################		Rs. 222300/-
6 Suppl as app	Supply and erection of LED Bulb 18 watt best quality as approved by the engineer incharge $$1\ x-100	18 watt b narge	est quality x 100	! ×	x Total:	= 100 Nos. = 100 Nos. @ 750.00 P.Each		Rs. 75000/-
7 Supp size.	Supply and Erection of button holder backlite large size. 1×-100	older back 1	iite large × 100	1 ×	× Total:	= 100 Nos. = 100 Nos. © 53.75 P.Each		Rs. 5375/-
P/F PVC 3 switches approve	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge	ace plate e of Hi-Lif gineer Incl	with specifi e / Bush / S harge	ed switch ho	les i/c the co	st of e as	-	18081
Small	(a) Olle way dalige switti Small				-			
(iii) 03 Gange (iv) Three pin	(iii) 03 Gange (iv) Three pin Light Plug 10/13 Amp ivi) Ean Dimmer	Ę				5 74 5 61 4 60	745.8 613.8 601.8	3729 3069 2407.2 7 1737 -
(vi) ran billing (vii) Bell push (viii) Three Pir	(vi) rati bilitiilet (vii) Bell push viii) Thrae Din Dower Ding 15–32 Amn	Amn						1445.4 3789
Large		<u>.</u>						3223.2
(ii) 06 Gange	ange jange					3 1,165.80		3497.4
								.

10 P/F wall mounted DB (Distribution Board) made with 165WG Sheet (Recessded/Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Annmeter, Volt Selector Switch, Annmeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).

2 x - x - = 2 Nos.

Total: = 2 Nos.

@ 41912.65 P.Each Rs. 83825/Total: Rs. 734919/-

747405

Say:

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10

Sanitary Installation Operation Theatre

S S	Description	oN O	Length	Breadth	Depth	Contents	Amount
	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC)	issioning c	of (PPRC)				
	water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned) i- PN 20	ecified pre and confor ent, special ect as appi	essure ming to ls, roved				
	(iii)(1") 32 mm	2 X X	100 × 40 ×	. × ×	Total:	300 Rft 80 Rft 380 Rft 0 106.90 P.Rft	Rs. 40622/
2	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	ated mixin	g valve,		÷		
		1 x	10	1	Total:	= 10 No. 10 No. © 2228.75 P. Fach	Rs. 22288/-
£ .	P/F Plastic made low down flushing cistern 3-gallon capacity i/c bracket set, waste pipe and waste coupling Coloured.	g cistern 3 and waste	-gallon : coupling	\$			
		×	~	× ! ×	Total:	2 No. 2 No. @ 4029.10 P.Each	Rs. 8058/-
। .	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.	n ware wa ıcluding bı	sh hand racket set,				
		1, ×	7) ×	Total:	a 2 No. 2 No. 6 5169.95 P.Each	Rs. 10340/-
ın	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	nupled set of PORTA Innection, the in all resident	of Water brand (full imble, pects as rrge.				
		1 ×		 	x = Total: =	1 No. 1 13915.80 P.Each	Rs. 13916/-
_	6 Providing and fixing, "P" trap (glazed) 4" dia.	zed) 4" dia	tr.	¦ *	; ; ; . ×	15 No.	
		< -	3	· · · · ·	Total: =	283.10	Rs. 4247/-
-	7 Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-	cast iron,	including :-				
		1 x	10.	! *	x Total: =	. 15 No. . 15 No. @ 627.75 P.Each	Rs. 9416/-
	8 Providing and fixing brass stop cock/bib cock:-a) 15 mm (½") dia 1 x	ock/bib coc	ck:-a)	, ×	x Total: =	= 12 No. = 12 No. @ 553.75 P.Each	Rs. 6645/-

Providing and fixing, gully trap of cast iron, including concrete chamber all round, and C.I. grating:-

Rs. 7533/-		Rs. 128852/-		Rs. 10871/-	Rs. 262788/-	Rs. 262800/-
$1 \times 12 \times - \times - = 12 \text{ No.}$ Total: = 12 No. @ 627.75 P.Each	Horoviding, laying, cutting, jointing, testing and disinfecting Providing and installing specials pipe line in trenches with PVC/ uPVC pipes of B.S.5. with 'D' and valves is not included in the Class working pressure complete in all respects:-4" i/d (100 mm)	$10 \times 17 \times - \times - = 170 \text{ No.}$ $Total: = 170 \text{ No.}$ @ 757.95 P.Each	11 Providing and installing P.V.C. bends, of B.S.S. i) Class `B' working pressure:- 4" i/d (100 mm)	$1 \times 20 \times - \times - = \frac{20 \text{ No.}}{\text{Total:}} = \frac{20 \text{ No.}}{20 \text{ No.}}$	Total:	Say:

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Muzaffarga Muzaffarga

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ll e	Dismantling roofing.	Providing and layir tiles 9"x4\p2"(2" (2 mortar 1:3 laid ove over thermopore st of bitumen, comple nun) thick khurras on roof 2'x	ScrapingM Ceiling hall hall	

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF TEHSIL HEAD **QUARTER HOSPITAL KOT ADU DISTRICT MUZAFFARGARH**"

GENERAL ABSTRACT OF COST

1 Renovation/Rehabilitation of Main Building (Emergency Ward)

2 Electric Installation

3 Sanitary Installation

= Rs. 13767100/-

- Rs. 894400y- 906000/

= Rs. 943800/-

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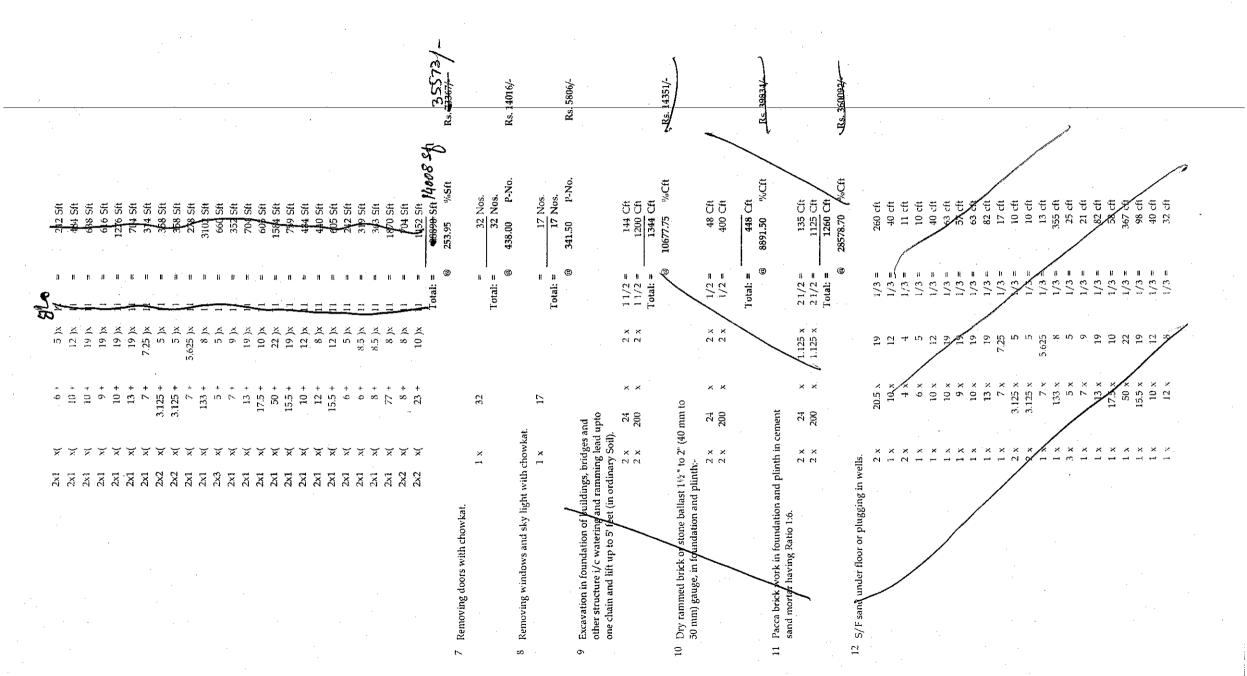
Total

= Rs. 15605300/-

Executive Engineer Buildings Division Muzaffargarh

Sub Divisional Buildings Sub I

Page 104



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ering mm) g		Plain cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate);(f) Ratio 1: 1, 2 2/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1
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Providing and fixing 1½" (40 mm) thick decdar wood panelled or panelled and glazed, doors and windows, withmild steel chowkat (frame), etc. complete in all respects(excluding sliding bolt or lock) with:—M.S. angle iron 1½"x1½" (50 mm x 6 mm). 12 x 31/2 x 7 x = 294 SFT 12 x 31/2 x 7 x = 294 SFT Providing and fixing M.S. flat ½"x1½" (31 mm, 5 mm) M.S. flat frame, and fixing mill respects. Total: = 294 SFT Rs. 4 Providing and fixing M.S. flat ½"x1½" (31 mm, 5 mm) M.S. flat frame, and fixing mill including 5½" x 1/8" (20 mm, 5 mm) M.S. flat frame, and fixing mill including painting mill respects. 2 x 12 x - x 4 = 80 Sft 4 x 6 x - x 4 = 96 Sft 4 x 6 x - x 8 5 = 136 Sft 1 x - x 8 5 = 136 Sft 1 x - x 8 5 = 108 Sft 1 x - x 8 5 = 108 Sft 1 x - x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x				31/2	× ×	xc .	× × .	11 11 13	SFT SFT SFT	Rs.	49812
Providing and fixing M.S. flat 12 x 1/8" (13nny x 3nm) grill including 34 x 1/8" (20 npark3 mm) M.S. flat frame, The coats, complete in all respects. $2 \times 12 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 \times$			thick deodar cors and win c. complete it ack) with:-M. 40 mmx 6m.	wood idows, n all S. angle in) with	<u>^1</u>				294 SFT		<u> </u>
	- 1	9 Providing and fixing M.S. flat 12"x, grill including 34" x 1/8" (20 marks) in windows of approved design, in	18" (13mm) mm) M.S. fl. cheding pain	Smm) at frame, iting					\$	Rs.	₩
6.4828 P.Sft		Three coats, complete ur all respect	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	75 9 4 9 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	* * * * * * *		* * * * * * *		96 Sft 80 Sft 96 Sft 136 Sft 60 Sft 18 Sft 18 Sft 594 Sft		<u> </u>
								© .	100	Rs	7월 -

Providing and fitting all types of glazed aluminium glazed windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved and partly sliding using delux sections of approved and partly sliding using delux sections of 3 × 20 mm (2"×3"), all of 1.6mm thickness including 5 mm thick imported thinded glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer incharge (i) i/c Providing and fixing Aluminum Fly screen comprising of Fler / Aluminum wire quaze (Malasian) fixed in aluminum trane of approved manufacturer brownze Colour / powder coated of size 1-1/2"×1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge, complete in all respect. win WI 2 × 12 × 12 × 4 = 86 Sit 4 × 6 × 1 × 85 = 136 Sit 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1
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	21 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bondover 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. a) Full body Glazed tiles (i) 600 mm x 600 mm						-																	0.01	office ver.	Store					Providing and laying superb quality Porcelain glazed	brand, skirting Shade with	1:2)cement plaster i/c	for finishing the joints, cutting grinding complete in all	respect as approved and directed by the Engineer Incharge Full body Glazed Tile (i) $600 \text{ mm} \times 600 \text{ mm}$.								
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	28- 2769968/-	76618/-	8 (186198/ Rs. 4573347-
	312 St. 312 St. 312 St. 312 St. 314 St. 315 Sp.	P.Sft Rs. 7	r-775=1288 P.Sti Rs. #
228 5ft 101 5ft 1128 5ft 240 5ft 128 5ft 240 5ft 276 5ft 276 5ft 176 5ft 176 5ft 176 5ft 116 5ft 116 5ft 116 5ft 132 5ft 680 5ft 538 5ft 164 5ft	312 St. 152 St. 156 St. 312 St. 312 St. 8841 St. *	50 Sft 53 Sft 50 Sft 66 Sft 75 Sft 25 Sft 319 Sft 239.90 P.	280 Sft 205 Sft 280 Sft 238 Sft 420 Sft 140 Sft 140 Sft 1563 Sft 8 292.65 P
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25 Preparing surface and painting with emulsion paint:-02 coat on new surface.

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120 Sft 96 Sft 186 Sft 30 Sft 61 Sft 61 6 Sft 128 Sft 126 Sft	256 Sft 250 Sf	352 Sft 320 Sft 440 Sft 176 Sft 232 Sft 264 Sft 1360 Sft 512 Sft 1056 Sft 22867 sft	5245.30 St. Execution 1. St. 1
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		028817	
Amount		@ 1042 = 218820	Presion flargarh
Contents		210 Sft 210 Sft	Executive English Building Everain
Depth		Total: =	1.
Breadth		×	addu
Length	sing of e of 60 inforced ride panel ected by	21/2×	Sub Direschaft
χ̈́	or compari swkat fram oth duly re h 20 mm w	12 ×	
Description	Providing and fixing openable door comparising of 3mm thick upvc hollow perfile chowkat frame of 60 mm x 64mm leaf 60mmx106mm both duly reinforced with g.i box frame inside wide with 20 mm wide panel groves on both sides as per approved and directed by Engineer in charge.		Sub Edgineer
Sr O			

	Description	No No	Length	Breadth	Depth	Contents		Amount		
	Supply and Erection of PVC pape for wiring on resessed i/c inspection boxes pull boxes hook bends reducer and preparation surface are complete 3.4.4. dia	wiring or ook bends 3/4" dia	resessed						,	٠.
	מואן לער לימו וווא אחוזשרב בער במיו לערובי	3/4 und 20 ×	75 ×	×	Total: #	1500 Rf 1500 Rf	19 19 19			
64	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.J pipe/wooden strip batten/wooden casing and capping/G.L. trenches (rate for cables only): an 350,440 male, PMC incurrent.	re PVC i d PVC p en/wood te for cabl	insulated ipe/M.S. en casing es only):-		∌	0/:10 #	L'AGE	KS. 122550/-	-/0662	
Ξ		20 x .	150 × 200 ×	* *		3000 Rft 6000 Rft	و بد بد		·	
· ::	.7/0.029"	× 0#	80 ×	× .		25.70	P.RA	Rs. 231	1300/-	
:=	7/0.036"	23 ×	160 ×	*	10fal: =	3200 KKT 40.75 P 2300 Kft 2300 Rft	r P.Ref t t	Rs. 130400/-	0400/-	٠.
<u>ش</u> .	Supply & Erection of switch piano type 5 Amp. 1 x	7pe 5 Am ₁	350 ×	*	Total: " @	53.80 P.1 350 Nos. 350 Nos. 72.00 P.1	P.Rff DS. DS. P.Each	Rs. 123740/ Rs. 25200/	3740/- 5200/-	
7	Supply and erection of 3 pin. 5 Amp wall socket. $$1\ x$$	wall sock	.et. 30 · ×	× 1	_ = Total: =	30 Nos.	0S. 0S. 0 C.c.t.	Ð	4022 f.	
വ	Supply and erection of LED Bulb 18 watt best quality as approved by the engineer incharge $$1\ x\ 200$	watt best 1 x		* ! *	Total: =	200 Nos.	os. P.Fach	R. 37	Rs. 150000/-	
9	Supply and Erection of button holder backlite large size. 1 x 200	er backlite 1 x		× ! ×	Total:	200 Nos. 200 Nos.	OS. OS. P Fach	α 2	Rs. 107507.	
· P~	Supply and erection of 3 pin switch and plug combined, recessed type. ii) 10/15 Amp 1 x	and plug Amp 1 x	70	× ! ×	Total:	20 Nos. 20 Nos. 20 Nos. P. 140 so. P.	los. P Fach	. 2	79866	
Ó	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.73 mm thick (3/16") bakelite sheet top, for recessed wring, including making holes for regulators, switches, plugs, etc. 4f) 22.5 x 10 cm (10 x8)	ox of 16 S' ") bakelite ng boles f	WG, 10 cm sheet top,	×	Total:	20 Nes-	ies.			ŀ
0	9 P/F wall mounted DB (Distribution Board) made with 16S/WG Sheet (Recessded/Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Annmeter, Volt Selector Switch, Annmeter selector switch, Current Transformers and Controles Complete in all tespects as approved and directed by the Engineer and Long Residues.	n Board) n mounted 7 f Lock, Inc ing. Netus ing. Netus ter, Digital meter sele meter sele cted by th	nade with fype), dication ral & Earth t ctor Complete			Ø 478.30	P.Each		-/spc/-	1
•			6	* * * * * * * * * * * * * * * * * * *	Total:	2 l @ 41912.65	2 Nos. 2 Nos. P.Each To	h Rs. Total: Rs.	83825/-	ge S
•	No Lean		Sub DW Building K	Sub Di Ribum Office Buildings Sub Division Kot Addu		Erge F	Say: Executive Muzifiarios Muzaffargarh	Say: Rs. i	7001766) Per

sanilary Installation Emergency Ward

Providing laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/ Beta/BB)) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making plarries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned):- PN 20 (iii)(1") 32 mm	Rs. 22288/-
X - X - = 1200 Rf X - X - 400 Rf Total: = 1600 Rf X - X - = 100 M Total: = 10 M Total: = 10 M	
x - x - = 12 x - x - x - 4 Total: = 16,90 © 106,90	
X X X X Total: " Tota	
1 1 1 × ×	
××	
ing, testing and commissioning of LENIE RANDOM COPOLYMER (PPRC) water nade of (Dadex/Popular/Beta/BBJ) with ssure rating PN (PRESSURE NOMINAL) and oDIN 8077-8078 code i/c cost of solvent, ing plarries complete in all respect as approved by Engineer Incharge. (Internal/External entioned).i- PN 20 12 x 100 nm 12 x 100 nm 13 x 40 10 x 40 made low, chromium plated mixing valve, and basin, sink or shower. 1 x 10 made low down flushing cistern 3-gallon made low down flushing cistern 3-gallon bracket set, waste cipe and waste countine	
Ling, lesting and commissioning of LENE RANDOM COPOLYMER (PPR (PPR care of (Dadex/Popular/Beta/BB)) wissure rating PN (PRESSURE NOMINA) of DIN 8077-8078 code i/c cost of solver ing plarries complete in all respect as a by Engineer Incharge. (Internal/Extern rationed): PN 20 TO x In x	coupling
ing, testing and commission LENE RANDOM COPOLY LENE RANDOM COPOLY nade of (Dadex/Popular/B strue rating PN (PRESSURE o DIN 8077-8078 code i/c co ing jharries complete in all iby by Engineer Incharge. (Inter entioned).i- PN 20 mm and fixing, chromium plat and basin, sink or shower made low down flushing made low down flushing	ınd waste o
ing, lesting, and laren RANDON more a of (Dadex, Issue rating PN (o DIN 8077-8078 ing plarries comby Engineer Inchantioned). PN 2 mm dixing, chround basin, sink made low dow bracket set, wy Dracket set, wy	aste pipe aı
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Providing laying, POLYPROPYLEN Supply pipe made specified pressure conforming to Dil specials, making j and directed by E. Diameters mentio (iii)(1") 32 mm 2 Providing and fi for wash hand 3 P/F Plastic mad capacity i/c bra	capacity i

GENERAL ABSTRACT OF COST

SEWERAGE & WATER SUPPLY

 Description	Amount
2	3
Sewerage Line and water supply etc	9858379. 10522779
Providing and fixing (KSB) Sludge pump 5"x4" type 100-250 duly coupled with 20 HP / 1450 RPM 380/400 volts 3-phase 50 C/S, A/CIP-44 (SEIMENS) Electric motor through as flexible coupling mounted on common steel base frame i/c sluces valve, foot valve & motor control Unit complete in all respect as approved by the Engineer Incharge	1648500
GRAND TOTAL	/21/121/ 445048 7 9





ENERAL ABSTRACT OF COST

SEWERAGE

				_					
Amount	3	6920800	313000	1709900 2356890	625600	9569300 102 16290	287079- 306 489	9856379- 10522779	
A		9	•		9				
Description	2	Sewerage Line	Septic Tank	Collecting Tank	Water Supply	Total	Add 3% Contingency	GRAND TOTAL	
Sr#	1	- -	2	က	4				

DETAIL ESTIMATE FOR COLLECTING TANK 14 FT DIA.

3535 % 6 8868.58 7.6/2 3535 % 10179.65 97.0 7547.95 %oCft Rs.26680/-7883.15 %oCft Rs.27865/ij $\ddot{\upsilon}$ £ Ξ ij 168 3535 3535 3535 3535 11 11 د ام 13 الم عرفة الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم 25 الم d 1O ŧΩ Excavation of well in dry upto 20' below ground level & kinds of shuttering i/c finishing curing ratio (1:1-1/2:3) 1.1875 disposal of soil with in one chain in ordinary soil. a 0' to 5' depth. 0.25 22.5 8 8 × × 3.142 3.142 3,142 b 5' to 10' depth ejotois/

35983.00 = 31350.00 10179.65 20 A Rs.115759/-689.45 /Cft (3)

Total 1820 3 Pacca brick work in other than building in c.s mortor (1:4) i/c4 Reinforced cement concrete in slab of rafts / strip foundation, structural members other than those mentioned in 5(a) (i) base slab of column and retaining walls; etc and other #132 1-125 0.375 2683.2 역 8 circular masonary, upto 10' height. 31336.30 3.142 3.147

481002

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14/4912

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1414-43

Rs. 2402584

34019.50 %Cft

1,25 x above not requiring form work (i.e. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 1-1/2: 3) X × 19.5 × 3.142 C/Wall

= 145+23 Rec Top Stale geam 3-142 $(24)^{2}_{\times}$ 0.42 = 145.5. Fabrication of mild steel reinforcement for concrete 1/c cutting bending complete and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (G -

45256

65650 Pep

(2/7/5) Rs.#53420/-

513.65 /Cft

37.3 299- Cft 37.3 299- Cft

0.454 =Total 6.75 373 2987 168 1784 Faking 6.75 of item No 4

RS. #8767- 692185

31420.10 %Kg

= 4128 Kg 7203 1428-Kg

2203

screening and 4.50 Cement concrete plain including placing, compacting, $0.25 \times$ finishing and curing complete (including washing of stone aggregate): (f) Ratio 1: 2: 4

Total 18.0 20 7. 1/2"thick Cement plaster in (1:4) up to 20' height $1 \times 3.142 \times 18.5 \times 130 \times 20$ ×× 20.8 3.142 3.142

Rs.448569/-

38126.10 %Cft

(5)

まる。

1176.54 Cft

Total

1176.54 Cft.

Sft Sft

307848 1664 3241.60 %Sft

cutting,drilling,revitting,Handling,Assembling etc w/out 8. Fibrication of Heavy steel work with angle, Tee, flat iron, round iron,& sheetiron for making Trusses etc i/c $\,$ errection in position M/S angle iron 2-1/2"x2-1/2"x1/4"

Total 1.83 7.5 3.142 Main Ring

Rs.126598/-Rs.1709911/-Kg 자 자 32502.85 %Kg 115 275 Total. 389

0389582 Buttaing Muzat

RATE ANALYSIS FOR THE CONSTRUCTION OF MANHOLE

Farthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock i) 0 ft. to 7.0 ft. (0 to 2.10 m) doth	nholes ering, ng to rpes of 2.10 m)					
Manhole 1 x 5.5 x 4 x	3.5	Total	Ħ	77 Cft.		
2 Cement concrete brick or stone ballast 1½ " to 2" (40 unn to 50 mm) gauge, in foundation and plinth:- (b)	2" (40 1:- (b)		(3)	11740.40 %oCft	Rs.904/-	
hole				() (
1 x 5.5 x 4 x		Total		11 CF	1	
3 Pacca brick work other than building upto 10ft. (3 m)	(3 m)		B)	21460.85 %Crt	K\$.231//-	
tar:- Katio 1:4 2 x 5.5	0.75 ×	r.	H	29 Cft.		
1 x 2 x 2.5 x 2.5 x	0.75 x	3.6	11	13 Cft		
		Total	(3)	42 CFt 31336.30 %Cft	Rs.13161/-	
4 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	ncrete, nts and rges for of rust					
	1	c ñ	ı	. A 50		
× 90.9 × 1		Total	ŀ	25 LS Kg		
		}	(9)	31420.10 %Kg	Rs.7780/-	
5 Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	.(13					
$2 \times 2 \times 5.5$	×	3.5	lì	77 Sft		
x 2 x	×	3.5	li	35 Sft		
	•	Total	(2)	112 Sft 3241 60 %Sft	Rs.3631/-	
6 Reinforced cement concrete in slab of rafts / strip foun	ndation,) ⁻	1000	hooses	
base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects- (3) Type C (nominal mix 1: 2: 4)	ructural we not te in all					-
COVER				0		
X S.S.X	0.4166	900	u i	7.7. CFt.		
Deduct -1 x 3.14 x 1.83 x	1,85 /	4.000 Total	11	-1.09 Cit 8.08 Cft		
		•	(6)	457.75 /Cft	Rs.3699/-	
7 Extra for making& finishing benching of floor work in manehole chambers with 1/8" thick cement finish.	work inish.					4
1 x 255 x			R	10 Sft		
		Total	li ©	10 Sft 2934.10 %Sft	Rs.293/-	
8 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	oacting, eeming 4					
Mhole 1 x 2.5 x 4)	x 0.25	Total	н п	2.50 Cft		
		0.0		38126.10 %.Cft	Rs.953/-	
9 P/F RCC manhole cover 22" diaProviding and fixing 3" (75 mm) thick R.C.C. manhole	ng 3" (75					
1 x 1 x 1		Total		1.00 Nos. 1.Nos.	D. 11569.	
			B)	S S	Total: Rs.44300/-	0
		1		3		,
Sub Engineer Sub Division	Pone of the	Jack		Executive	Eggineer Divison	
Buildings Sub	Sub Lavier	n.	1	Dinmentho	Divisor	

DETAIL ESTIMATE FOR SEWERAGE (EXTERNAL DEVELOPMENT)

shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth Earthwork excavation in open cutting for sewers and manholes as





Say Rs: Rs.6920800/-

DETAIL ESTIMATE FOR WATER SUPPLY

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

a

3

	= 5000 Cft. 15000 Cft. 15000 Cft. 15000 Cft. 15000 Cft. 1500 Sft. 1222.15 %Sft. 1 1500 Rft. 1000 Rft. 1000 Rft. 12750 Cft. 12750 Cft. 12750 Cft. 12750 Cft. 12750 Cft. 12750 Cft.	Total Total 15000 Cft	1-			,	r	,	c		I	anon Off		
= 6000 Cft. 15000 Cft = 15000 Cft F = 391 Sft 893 Sft 893 Sft = 1500 Rft 1500 Rft = 1500 Rft 1500 Rft = 1000 Rft = 12750 Cft = 12	= 6000 Cft. 15000 Cft = 7622.75 %oCft F = 502 Sft 893 Sft (a) 1222.15 %Sft I 1 1500 Rft = 1000 Rft. 1000 Rft. 12750 Cft.	= 6000 Cft. 15000 Cft = 391 Sft = 502 Sft 893 Sft (a) 1222.15 %Sft 1 1500 Rft = 1500 Rft = 1000 Rft. = 1000 Rft. = 12750 Cft. 12750 Cft 2539.70 %oCft (a) 2539.70 %oCft	_	x 1500		×	7	×	65		II	SUUD C.F.		
(a) 7622.75 %oCft F = 391 Sft = 502 Sft 893 Sft (a) 1222.15 %Sft I 1500 Rft = 1500 Rft = 1000 Rft. = 1000 Rft. 1000 Rft. 12750 Cft. 12750 Cft. 12750 Cft.	(a) 7622.75 %oCft F = 391 Sft = 502 Sft 893 Sft (a) 1222.15 %Sft I 1 1500 Rft = 1000 Rft. 1 1000 Rft. (a) 327.45 P.Rft (a) 327.45 P.Rft (a) 327.45 P.Rft (b) 2539.70 %oCft Total:	(a) 7622.75 %oCft F = 391 Sft = 502 Sft 893 Sft (a) 1222.15 %Sft I 1500 Rft = 1500 Rft = 1000 Rft = 12750 Cft (a) 327.45 P.Rft (a) 327.45 P.Rft (a) 2539.70 %oCft (a) 2539.70 %oCft		× 100		×	2	×	3		II.	6000 Cft.		
(a) 7622.75 %oCft F = 391 Sft = 502 Sft 893 Sft (a) 1222.15 %Sft [d) 1222.15 %Kft (d) 93.65 P.Rft = 1000 Rft. 1 1000 Rft. 1000 Rft. 12750 Cft. 12750 Cft. 2539.70 %oCft	### 391 Sft	(a) 7622.75 1% oCft F = 391 Sft = 502 Sft 893 Sft (a) 1222.15 1% Sft (b) 1222.15 1/6 Sft 1 1500 Rft = 1000 Rft. 1 1000 Rft. 1000 Rft. 12750 Cft. 12750 Cft								Total		15000 Cft		
= 391 Sft = 502 Sft 893 Sft @ 1222.15 %Sft 1 I 1500 Rft = 1500 Rft. = 1000 Rft. = 1000 Rft. = 12750 Cft. I 12750 Cft. II 12750 Cft. @ 2539.70 %oCft	= 391 Sft = 502 Sft 893 Sft @ 1222.15 %Sff I I 1500 Rft = 1500 Rft = 1000 Rft. 1000 Rft. 1000 Rft. 12750 Cft. 12750 Cft. 12750 Cft. 12750 Cft.	= 391 Sft = 502 Sft 893 Sft @ 1222.15 %Sft I I 1500 Rft @ 93.65 P.Rff = 1000 Rft. 1000 Rft. 327.45 P.Rff 12750 Cft. 12750 Cft 2539.70 %oCft									(9)	7622.75 1/aoCft	Rs.114341/-	
= 391 Sft 893 Sft 893 Sft (a) 1222.15 %Sft 1 1 1500 Rft (a) 93.65 P.Rft (b) 93.65 P.Rft (c) 327.45 P.Rft (d) 12750 Cft (d) 12750 Cft (d) 2539.70 %oCft	= 391 Sft 893 Sft 893 Sft 8 1222.15 %Sft 1 1 1500 Rft 8 93.65 P.Rft = 1000 Rft. 1 1000 Rft. 8 327.45 P.Rft = 12750 Cft. 1 12750 Cft. 1 12750 Cft. 1 12750 Cft. 1 12750 Cft.	= 391 Sft 893 Sft 893 Sft (a) 1222.15 %Sft 1 1 1500 Rft (a) 93.65 P.Rft (b) 93.65 P.Rft (c) 93.65 P.Rft (c) 327.45 P.Rft (d) 12750 Cft (d) 12750 Cft (d) 2539.70 %oCft (d) 2539.70 %oCft	18 t	o plast (g per !	erec Sq.1	d or c n)	emen	t cor	ıcrete surf	ace:- iii) 10 lbs.				
= 502 Sft 893 Sft 893 Sft 6 1222.15 %Sff 1 1 1500 Rft 6 93.65 P.Rft 1 1000 Rft. 6 327.45 P.Rft 1 12750 Cft. 1 12750 Cft 0 2539.70 %oCft	= 502 Sft 893 Sft 893 Sft 6 1222.15 %Sff 1 1 1500 Rft 1 1500 Rft 1 1000 Rft 6 327.45 P.Rft 6 327.45 P.Rft 6 327.45 P.Rft 6 327.97 %oCft 1 12750 Cft 1 12750 Cft 6 2539.70 %oCft	= 502 Sft 893 Sft 893 Sft 6 1222.15 %Sft 1 1500 Rft 6 93.65 P.Rft 6 93.65 P.Rft 6 327.45 P.Rft 1 1000 Rft. 1 12750 Cft 1 12750 Cft 6 2539.70 %oCft 6 2539.70 %oCft	, , ,				3.14	×	0,083		ļI	391 Sft		
© 1222.15 %Sft 1 1222.15 %Sft 1 1500 Rft 1500 Rft 1500 Rft 1000 Rft	(a) 1222.15 %Sft 1 1500 Rft 1500 Rft 1500 Rft 1 1500 Rft 1 1000 Rft 1 1000 Rft 1 1000 Rft 1 1000 Rft 2539.70 %oCft 0 2539.70 %oCft 1 12750 Cft 1 1 12750 Cft 1 1 1 1 1 1 1 1 1	(a) 1222.15 %Sft 1 1222.15 %Sft 1 1500 Rft 1 1500 Rft 1 1000 Rft. (a) 327.45 P.Rft (a) 327.45 P.Rft (a) 327.45 P.Rft (a) 12750 Cft (a) 12750 Cft (a) 2539.70 %oCft (a) 2539.70 %oCft (a) 12750 Cft (b) 12750 Cft (a) 12750 Cft (b) 12750 Cft (a) 12750 Cft (b) 12750 Cft (b) 12750 Cft (c) 12750	Η.				3.14	×	0.16		Ð	502 Sft		
(a) 1222.15 %.Sff 1 = 1500 Rft (b) 93.65 P.Rff = 1000 Rft. 1 1000 Rft. (c) 327.45 P.Rff = 12750 Cft. II 12750 Cft. (d) 2539.70 %oCft	(a) 1222.15 %.Sff 1 = 1500 Rft 1 1500 Rft (a) 93.65 P.Rff = 1000 Rft. 1 1000 Rft. (a) 327.45 P.Rff = 12750 Cft. 1 12750 Cft. 1 12750 Cft. 1 12750 Cft.	(a) 1222.15 %.Sff 1 = 1500 Rft 1 1500 Rft (a) 93.65 P.Rff = 1000 Rft. (d) 327.45 P.Rff (e) 327.45 P.Rff (e) 12750 Cft. 1 12750 Cft (e) 2539.70 %oCff (f) (g) 2539.70 %oCff								Total		893 Sft		
= 1500 Rft 1500 Rft = 1500 Rft = 1000 Rft. = 1000 Rft. = 12750 Cft. d 12750 Cft	= 1500 Rft 1 1500 Rft 2 93.65 P.Rft 1 1000 Rft. 327.45 P.Rft = 12750 Cft. 1 12750 Cft 0 2539.70 %oCft	= 1500 Rft 1 1500 Rft @ 93.65 P.Rft = 1000 Rft. @ 327.45 P.Rft = 12750 Cft. Il 1250 Cft @ 2539.70 %oCft Total:									(3)	1222.15 %Sft	Rs.10914/-	
x 1500	x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 1000 x 15000 x 85 / 100 x 1500	x 1500	ng, OPC lar/ ION ven und nntio	testing DLYMI Beta/I AINAL t, speci directe med).i-	EER BBJ) BBJ) au ials,	d cor (PPR) with mid country, maken y En	nmiss C) w h spe infort ing jk	ionii ater ecifie ning narrie	ng of POL supply 1 gd pressu to DIN 8 es comple harge. (Ini	YPROPYLENE pipe made of re rating PN 8077-8078 code te in all respect ternal/External				
rotal 1500 Rft (a) 93.65 P.Rft x 1000 Total 1000 Rft. (b) 327.45 P.Rft (c) 327.45 P.Rft x 15000 x 85 / 100 Total 12750 Cft. (c) 2539.70 %oCft	rotal 1500 Rft (a) 93.65 P.Rft (b) 93.65 P.Rft (c) 1000 Total 1000 Rft. (d) 327.45 P.Rft (e) 1 (e) 1 (f) 1000 Total 12750 Cft. (c) 1 (c) 1 (d) 2539.70 %oCft (e) 1000 (e) 2539.70 %oCft	rotal 1500 Rft 8 93.65 P.Rft 1000 Rft. Total 1000 Rft. (a) 327.45 P.Rft (b) 1.15000 x 85 / 100 Total 1.2750 Cft. (c) 1.2750 Cft	1		8						II	1500 Rft		
x 1000 = 1000 Rft. Total 1000 Rft. (a) 327.45 P.Rft thwork: a) Lead upto a single throw of Kassi, to.1 x 15000 x 85 / 100 Total 12750 Cft. (a) 2539.70 %oCft	x 1000 Total 1000 Rft. (a) 327.45 P.Rft Thwork: a) Lead upto a single throw of Kassi, (b) 1 x 15000 x 85 / 100 Total 12750 Cft. (c) 2539.70 %oCft	x 1000 Total 1000 Rft. (a) 93.65 P.Rft Total 1000 Rft. (a) 327.45 P.Rft (b) 1.15000 x 85 / 100 Total 12750 Cft. (c) 1.250 Cft (d) 2539.70 %o.Cft Total 12750 Cft								Tota	_	1500 Rft		
= 1000 Rft. Total 1000 Rft. @ 327.45 P.Rft thwork: a) Lead upto a single throw of Kassi, to.1 × 15000 x 85 / 100 Total 12750 Cft. @ 2539.70 %oCft	x 1000	= 1000 Rft. Total 1000 Rft. (a) 327.45 P.Rft Thwork: a) Lead upto a single throw of Kassi, (b) 1 x 15000 x 85 / 100 Total 12750 Cft. (c) 2539.70 %oCft									®	93.65 P.Rft	Rs.140475/	
Total 1000 Rft. @ 327.45 P.Rft :thwork: a) Lead upto a single throw of Kassi, io.1 × 15000 x 85 / 100	Total 1000 Rft. @ 327.45 P.Rft :thwork: a) Lead upto a single throw of Kassi, io.1 × 15000 x 85 / 100 Total 12750 Cft. @ 2539.70 %oCft	Total 1000 Rft. @ 327.45 P.Rft :thwork: a) Lead upto a single throw of Kassi, io.1 × 15000 x 85 / 100	-		8)!	1000 Rft.	. •	
thwork: a) Lead upto a single throw of Kassi, io.1 = 12750 Cft . Total 12750 Cft. 327.45 P.Rff (327.45 P.Rff) 327.45 P.Rff 327.45 P.Rff 327.45 P.Rff 327.45 P.Rff 327.45 P.Rff 327.45 P.Rff 327.45 P.Rff	(a) 327.45 P.Rff -thwork: a) Lead upto a single throw of Kassi, to.1 x 15000 x 85 / 100	(a) 327.45 P.Rff rthwork: a) Lead upto a single throw of Kassi, io.1 x 15000 x 85 / 100							٠	Tota	_	1000 Rft.		
thwork: a) Lead upto a single throw of Kassi, to.1 = 12750 Cft.	thwork: a) Lead upto a single throw of Kassi, io.1 = 12750 Cff x 15000 x 85 / 100 Total 12750 Cff @ 2539.70 %cf	thwork: a) Lead upto a single throw of Kassi, io.1 = 12750 Cff × 15000 x 85 / 100									0	327.45 P.Rft	Rs.327450/	-
15000 x 85 / 100 = 12750 Cft. Total 12750 Cft © 2539,70 %oCft	15000 x 85 / 100 = 12750 Cff Total 12750 Cff	15000 x 85 / 100 = 12750 Cff Total 12750 Cff	of ex hove	arthwo el No 1	ırk:	a) L	ead u	pto	a single t	hrow of Kassi,				
12750 Cft @ 2539.70 %oCft	12750 Cfi @ 2539.70 %c	12750 Cfi @ 2539.70 %c] _	. x 15(000		85	\	100		II	12750 Cft.		
	Total: R8-625561/-	Total: Rs.62556							:	Tota		12750 Cft 2539.70 ‰oCft	Rs.32381/-	

SubiDMistonal Officer Buildings Sub Divison Kot Adu

Exertifice Inginer Buildings Divison Muzaffargarh

Say Rs: Rs.625600/-

SEPTIC TANK DETAIL ESTIMATE FOR

Amount

Rs.313000/ Rs.312974/-Rs.153548/-Rs.16204/-Rs.27262/-Rs.59698/-Rs.28381/-Rs.17902/-11740.40 %oCft Rs.9979/-38126.10 %Cft Sft %Sft SFE Sft 31336.30 %Cft 31420.10 %Kg 42.50 Cft. 42.50 Cft 490 Cft 21060.85 %Cft 348 Cft Ü ij $190~\mathrm{Kg}$ 11 Cft 190 Kg 62 Cft 457.75 /Cft 62 Cft Qty/Unit Rate 85 Cft 85 Cft 850 Cft 850 Cft Total. Say 3241.60 620 221 841 127 (3) Total = (3) 0.250 =(3) (3) (3) (3) screening and Cement plaster 1:4 upto 20° (6.00 m) height:- b) $1\!/\!2^{\shortparallel}$ (13 mm) Total: compacting, Fotal: complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4) 10.5 10.5 precast laid in position, or prestressed members cast in situ, wire and labour charges for binding of steel reinforcement 0.45410.5 0.25 10.5 0.25 Cement concrete brick or stone ballast 11/2 " to 2" (40 mm to lintels, girders and other structural members laid in situ or 0.5 0.5 manholes as shown in drawings including shuttering and water, in all types of soil except shingle, gravel and rock:i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth 50 mm) gauge, in foundation and plinth:- (e) Ratio 1: 6:12 Reinforced cement concrete in roof slab, beams, columns (also includes removal of rust from bars):- (b) deformed according to templates and levels, and removing surface concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding ťΩ Pacca brick work other than building upto 10ft. (3 m) timbering, dressing to correct section and dimensions × Earthwork excavation in open cutting for sewers and × 2 Fabrication of mild steel reinforcement for cement × 14.75 1.125 1.125 5.25 6.75 1.5 τ. Cement concrete plain including placing, 10 washing of stone aggregate): (f) Ratio 1: 2: 4 finishing and curing complete (including 10 ×× height. i) cement, sand mortar:- Ratio 1:4 × 17 × × 15.125 14.75 5.375 15.5 2 2 'n 62 17 17 \times \times × × 5 5 × 2 \sim Take 6.75 lbs /Cft Description thick ^ ĽΩ S.No m d

Muzaffargarh Executive Breineer

Buildings Sub Di Kot Add

Detail of Surface Treatment to Approach Roads

Sr. No	Description	No	Length	Breadth	Depth	Contents	Amount
-							
-	Providing surface treatment to roads, including	ls, includin	St				
	suppiyot ottumen and bapti/ crushed stone aggregate of approved quality, including cleaning of road	u stone ag ning of roa	gregate d		·		
	surface, heating and spraying bitumen, spreading bajin and rollinowith road roller (including its operation cost.	ien, spread ng its open	ling bajri arion cost.	•			
	fuel andhire charges, etc.) etc. complete including carriage of allmaterials to site of work except bajjri/crushed stone aggregate(TST 79 lbs 100sft	olete incluork except	ding				
		20 x	20 ×	12 ×	1	4800 sŕt	
					Total: =	a 8216.40 %	%sff Rs. 394387/-
				٠.			
	Add 3% Contingency:-						Rs. 11832/-
			•				Total: Rs. 406219/-
							Say: Rs. 406200/-
	Modeam	1			1	Ş	
	Safe Engineer		Sub threstonut Buildings Sub Div	Sub Division Addu	` ```\	Executive Pulldings Muzaft	ecurroe fariner filding Arvision Auzaffargarh

Analysis for the item "Providing and fixing (KSB) Sludge pump 5"x4" type 100-(SEIMENS) Electric motor through as flexible coupling mounted on common steel base frame i/c sluces valve, foot valve & motor control Unit complete in all respect as RPM 380/400 volts 3-phase 50 C/S, A/CIP-44 duly coupled with 20 HP / 1450 approved by the Engineer Incharge" 250

Providing and fixing (KSB) Sludge pump 5"x4" type 100-250 duly coupled with 20 HP / 1450 RPM 380/400 volts 3-phase 50 C/S, A/CIP-44 (SEIMENS) Electric motor through as flexible coupling mounted on common steel base frame i/c sluces valve, foot valve & motor control Unit complete in all respect as approved by the Engineer incharge.

	Engineer Sub Divisionar Officer Exsecutive Engineer Buildings Sub Division Kot Addu Kot Addu
7: 16,48500	Say
1648500	Total:
78500	Add 5 % Contractor's Profit: =
1570000	Total
1570000	Non Schedule @ 1570000 P.Job
1 Job	

ANALYSIS OF RATE FOR THE ITEM

Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of specified wattage anf Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and direced by the Engineer Incharge. (ii) 48 watt/4000 k

<u>Detail of Cost=1-No.</u>
<u>Unit = Each</u>
2nd Bi-annual 2022

ach	14800 Each	. 	2 /	14800.02 / 1	Unit Rate P Sft =	
14800	Grand Total: =					- 7
2466.67			3 /-	12333 /-	Overhead charges on Rs.	
			-		Add 20% Contractor's Profit &	
12333	Total Cost ="A"+"B" =	Total Co				
			١.			Γ
48	Total "B"					
48 1/3	967	Each	Š	ည	Labour for fixing / installation.	17
					Labour	В
12285						
12285	12285	No Each	Š.	1	I ED SMD Panel Light 2 ft×2 ft	-
	-				Material	4
		022	la Z	2nd Bi-annual 2022		Ì

Unit Rate P Sft = 14800.02 / 1

SAY 14800 Each

2 Certified that rates for items at serial No. except all above are not available on the web site of Finance Department for **2nd BI-Annual 2022** and based on Certified that input rates of material and labour for the item at serial No. Nil are as per input rates displayed on web site of Finance Department for **2nd BI-Annual 2022**

(Nuclean)

prevailing Market Rates.



ending Engineer

Bulldings Circle. Deyr Ghazi Khan

ANALYSIS FOR GATE & GATE PILLARS

		· ·								•					į.								
	Amount		3203	11847			47606	00000	100230		32276		069		9004		199357			3033.00	407246	12217	419464
	Ĺ		300 Cft	56.25 Cft		36 Cft 67.5 Cft	20 20 20 20 20 20 20 20 20 20 20 20 20 2	319 Kgs		34 Cft 9 Cft	103 GH	5 Sft 3 Sft		216 Sft 216 Sft	2	60 Sft	84 Sft		168 Sft 168 Sft	.1	٠.	ı	
٠	Contents		3 %oCft	56 %Cft		9	P-Cff	7 %	% Kgs		% Cft		% Sft		% C#		P.S.			%S#	Total		ŀ
	Height		4 10,677.75	0.75 21060.85			Fotal: 457.75	1 24400 40	31420.10	××××× 400 100 100 100 100 100 100 100 100 100	Total: 3133		8625.8	× :	4168.65	ю «	Total 2373.		Total	490.55 @ 1,805.25	-	Add 3% contigency	
	Breadth	ires, excavated lift upto	(5 x (0) 50 mm)	, @ x	base embers m work C		@ including ngs, of steel deformed	x 0.454	(@ i) cement,	x 0.375 x 0.375 x 1.75	•	x 0.375 x 0.375	@ ehgt:-ratio nt in		@) sheeting, f" (20 mm) ngement.	. 1	ı @	and bars, ices, etc.)		+		Add 3% (
ual 2022)	Length	other structu icture with e (30 m) and	5 x @ (40 mm to 50 mm)	ιΩ Χ	foundation, structural m equiring for s:- (3) Type	4 6	t concrete, and fastenii for binding bars):- (b)	6.75 x	m) height.	1.5	nt concrete	1.5	(6.00 m) hie xide pigmer	2.25	.652.5 ick (1.5mm) mm) and ¾ ocking arran	10		painting gu	84	+ 490.55			
(2nd Bi-Annual 2022)	No	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil. B) by manual	9 x Cement concrete brick or stone ballast 11/8 " to 2"	(a) Rado I. o. 12 3 x	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	ж ж ж ж	Eabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) deformed bars G-40	104 ×	ين Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar Ratio 1:4	× × × ×		× × vo	@ Cement pointing struck joints, on walls, upto 20' (6.00 m) hiehgt:- ratio 1.2 i/c extra cost of labor and material with red oxide pigment in cement pointing to match the colour of bricks.	12 x	3516.15 + 652.5 @ Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	. .		Painting new surface:- d) Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- Three Coats	8 2 ×	824.15			
	Description of iotems	indation of buik ing, dressing, r nd rammiing le ordinary soil. E	e brick or stone	mond bruth the bruth	ant concrete in nd retaining wa mentioned in t nuttering) comp	٠	ild steel reinfor , laying in posit binding wire a ilso includes re	No 3	k other than bu atío 1:4	ŧ	aying damp pro , sand and shir n 1½" thick (40		g struck joints st of labor and p		ng steel grated iron frame 2"x; (100 mm) cent			urface:- d) Prej ars, gratings, ra open work:- Thi	ty of item No				
	Descripti	Excavation in foundation of building, bridges including dagbelling, dressing, refilling aroun earth, watering and ramming lead upto one 5 ft. (1.5 m) b) in ordinary soil. B) by manual	Pillars Cement concrete	gauge, in rounda Pillars	Reinforced cement costable of column and resorber than those mer (i.e. horizental shutte (nominal mix 1: 2: 4)	Pillars base slab. Pillars.	Fabrication of m cutting, bending including cost of reinforcement (a bars G-40	Take Qty of item No	Pacca brick work other sand mortar Ratio 1:4	Up to 10 ft.height Pillars	Providing and k 4(using cement coats of bitume		Cement pointin 1:2 I/c extra cos cement pointing	Pillars	Making and fixi including angle square bars 4"	Door.	*	Painting new s gates of iron be and in similar of	Take Double Qty of item No				
	S. No.	— — . — .= e.ro	4	JI II.	w	u	4		.ro		φ	-	2		ω .			თ					



419500

ANALYSIS FOR ANTI MICROBIAL FLOORING

							-										•
2	Amount						83650			83650		10850	10850	94500	18900	113400	
TINOON I TH	Breadth Depth nte	1	anti bacterial y welded with	as approved			P.Sft 83650			Total A		P.Job 10850	Total B			Total	1134
MICKODI	No B	Unit of RateP.SFT	Aygenic flooring (with ecified thickness duly	elf levelling adhesive			100 Sft					1 Job		Total Cost A+B	s 94500	113400 / 100	Say
TINE YOU SIGITENIE	Description	Un	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with	thermoplastic equipment placed over sell leveling adhesive as approved and directed by the Engineer Incharge. (a) Cementitious Urethane	(b) Epoxy (c) Polyurethane (d) Urethane	Material	anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness	duly welded with thermoplastic equipment placed over self levelling	adhesive as approved and directed by the Engineer Incharge. (a)	Cementitious Urethane (b) Epoxy (c) Polyurethane (d) Urethane	Labour	Labour For Fixing & Installation			Add 20% contractor profit on Rs	Rate P.Sft	
41	S.No					¥					Д .	7				1.	

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 1134/- has been applied after ascertaining it from the market.

Buildings Sub Di Sub IMMona

Derintending Engineer Buildings Circle Dera Ghazi Khan

ANALYSIS FOR UPVC DOOR

• .	ANALISIS FOR OFVC DOOR	
S.No	Description No Breadth Depth ntel An	Amount
1	Unit of RateP.SFT Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	
⋖	Material	
T	Openable door comprising of 3mm 100 Sft 75850 thick UPVC hollow profile ,chowkat	75850
	frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void	
	anel with gr the cost four bolt	
Ø	cutting changes Total A Labour	75850
Ø	Labour For Fixing & Installation 1 Job P.Job 10850	10850
	Total Cost A+B	10850
	20% contractor profit on Rs 86700	17340
	Rate P.Sft Say: 1040	
	(CERTIFICATE) i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 1040/- has been applied after ascertaining it from the market.	nce

Sufferintending Engineer Buildings Circle Dena Ghazi Khan

Executive Example Muzzafarg

Kot Adu

Buildings Sub I Sub physionas

ANALYSIS FOR ANTI MICROBIAL PVC WALL CLADDING

Breadth Depth nte Amount	:		
nte			
Depth		c anti- welded d with .5" duly	•
Breadth	FT	nt Hygienio moplastic psum boar .5"X 2"X3 directed b	
No	Unit of RateP.SFT	thickness duly ther thickness duly ther ver 12mm thick gy Channael of size 3 es as approved and	
Description	Uni	Supply and installation premimum graded/scratch-resistant Hygienic antimicrobial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the	Engineer In-charge
S.No			

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F

140840

P.Sft 140840					-				Total A
Sft									
100									
premimum graded/scratch-resistant	Hygienic anti-microbial Pvc wall	cladding of specified thickness duly	thermoplastic welded conforming to	(ISO:22196) and pasted over 12mm	thick gypsum board with	adhesive/solvent fixed over 14-SWG	G.I Channael of size 3.5"X 2"X3.5"	duly screwed on wall i/c the cost of	hardwares

Labour m

Job Labour For Fixing & Installation ÇV

140840

16650

16650

16650

P.Job

Total B

Total Cost A+B

157490

188988 Total

31498

157490

Add 20% contractor profit on Rs

1889.9 100

188988 /

Rate P.Sft

1890 Say

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 1890/- has been applied after ascertaining it from the market.

Buildings Sub Di Kot Adu Sub De Hondan

Buffdings Division Muzzafargarh Executive 1

perintending Engineer Deya Ghazi Khan Buildings Circle Su



NON CLOGGING CENTRIFUGAL PUMP Quotation Dear Ghazi Khan/Tounsa Executive Engineer. Building Division

We thank you for your above enquirylarder and are pleased to submit our offerlarder confirmation subject to our general conditions for Sales and Supply of equipment contained in form 86 FT-04 (REV-2007) attached.

TECHNICAL PART	Pump Data

Price Basis		

COMMERCIAL PART

Pumo Type	KWPk	100-250	Ex.	Your site.		
Liquid bandled	Waste water		Delivery Time	16-08 Weeks after receipt of firm order	reipt of firm order	
4100 00 00	1 5 Cuser	388	Validity	30 days		_
Dum total hoad	J 5P.		Terms of Peymont	50% advance & batance batore delivery	ce batare delivery	_
nessi igni dina.	4 4 57					
Speed	143	rion.				2,4,4
			Shipping	Space	Gross Wi	Nett Vrt.
Specific Gravity	1.1					-
Viscosily / PH Yaluo				-	•	
tugal game		[внр	Scope of Supply			
Sectric Motor Rating	20	Нρ	61 NO, Horzontfal Sludge Pump	Studge Pump		
NPSH Required				1	• • • • • • • • • • • • • • • • • • •	- 6
Impellor diameter / Type			Supply of Pump Typ	Supply of Pump Type KWP 100-250 with FIP coupled with Stamens 20 Handle	P coupled was Startle	ns so nevar
Suction Flange I.C.	\$	inch	Electric Motor on ba	Electric Motor on base frame Including MCU-ASD-20 KSB Make, Packing a	U-ASD-20 KSB Make,	- Eccar
Dalivery Flango 1.0.	+	inch	Transportation			
Flange Standard	BS Tab	BS Table 10 D				
Shaft Seal	Gland Pack					
Coupling Type						
		ĺ				
Driver	NA	0				

e of shove mentioned engineered product should be acknowledged as KSB's preregative. This Quotation will reviously quoted prices anywhere or on prices to be quoted in future to any prospective client. After explry of SB reserve the right to change price as a result of market forces/manufacturing variables. quested to comply with All PPRA rules as a its responsibility. quotation's validity KSB reserve the right to Procuring agency is requested to comply with have no bearing on p

Rs. 1570,000/-

Price Per Unit Including G.S.T @17%

C45 N GG-25

Discharge Co S.P Sloovo S.B Gland

66.25

Enclosure Material

25 St 450

WORKS; Hazara Road, Hassanabdal, Pakistan • Tel: +92-57-2520236 • Fax: +92-57-2520237 • £·mail: admin,tassnabdalGksb.cam.pk KSB FUMPS COMPANY LIMITED: Regional Sales Office: Ground Floor, Golden Heights Plaza, Nusrat Road, Muttan Canti UAN: +92-61-111:572-786 - Tel: +92-61-4541983-84 - Fax: +92-61-4541784 - Email: kthmuldksb.com.pk - vxxvx.ksb.com.pk

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8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital Grant Number: Government Buildings - (PC12042)

Cost Center:OTHERS- (OTHERS)

LO NO:LO22010097

Fund Center (Controlling):N/A

A/C To be Credited:Account-I

PKR Million

Sr#	Object Code	2025	-2026	2026	-2027	2027	-2028	2028	-2029	2029	-2030
		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 Grant Number: Government Buildings - (PC12042)

Cost Center:OTHERS- (OTHERS)

LO NO:LO22010097

Fund Center (Controlling): N/A

A/C To be Credited: Account-I

PKR Million

Sr	Object Code	2025	-2026	2026	-2027	2027	-2028	2028	-2029	2029	-2030
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A05270-To Others	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

8. ANNUAL OPERATING AND MAINTENANCE COST AFTER COMPLETION OF THE PROJECT

The Annual operating and maintenance cost after completion of the Project is Rs.15.000 million. The same may be borne by the District Health Authority of the concern District as well as Primary and secondary healthcare Department, Lahore.

9. DEMAND AND SUPPLY ANALYSIS

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)

	FY 2021-22	FY 2022-23
Funds Released	4.680	8.801
Utilization	4.106	2.024

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	0.000	5.000
Utilization	0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

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

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

undefined

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. KHIZAR HAYAT Designation:Project Director, PMU P&SHD

Email: Tel. No.:

Fax No:

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

to It is certified that the project titled "Balance work of Revamping of THO, Kot Addu-(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)

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(Oct-2022)

(HAMZA NASEEM)

PROJECT MANAGER CIVIL, PMU,
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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)

17. RELATION WITH OTHER PROJECTS