

PC-1
Balance Work of DHQ Hospital Attock

ORIGINAL APPROVED COST	PKR Million. 184.212/-
ORIGINAL APPROVED GESTATION	43 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

#### 1. NAME OF THE PROJECT

Balance Work of DHQ Hospital Attock

#### 2. LOCATION OF THE PROJECT

- **2.1. DISTRICT(S)** 
  - I. ATTOCK

#### 3. AUTHORITIES RESPONSIBLE FOR

- 3.1. SPONSORING AGENCY
  - PRIMARY AND SECONDARY HEALTH CARE
- 3.2. EXECUTION AGENCY
  - PRIMARY AND SECONDARY HEALTH CARE
- 3.3. OPERATIONS AND MAINTENANCE AGENCY
  - PRIMARY AND SECONDARY HEALTH CARE
- 3.4. CONCERNED FEDRAL MINISTRY
  - NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

# 4. PLAN PROVISION

Sr#	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	<b>GS No:</b> 5339
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

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

The Government of Punjab is making strenuous efforts for a better and effective Health Care system. The Defining step in this direction was to recognize the importance of Health Care at Primary & Secondary Levels. As a first step towards better health care at primary and secondary level, the department under the guidance of 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 DHQ Hospital Attock: 79,758 SFT
Area completed: 53,261 SFT
Area Not taken up: 26,497 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.

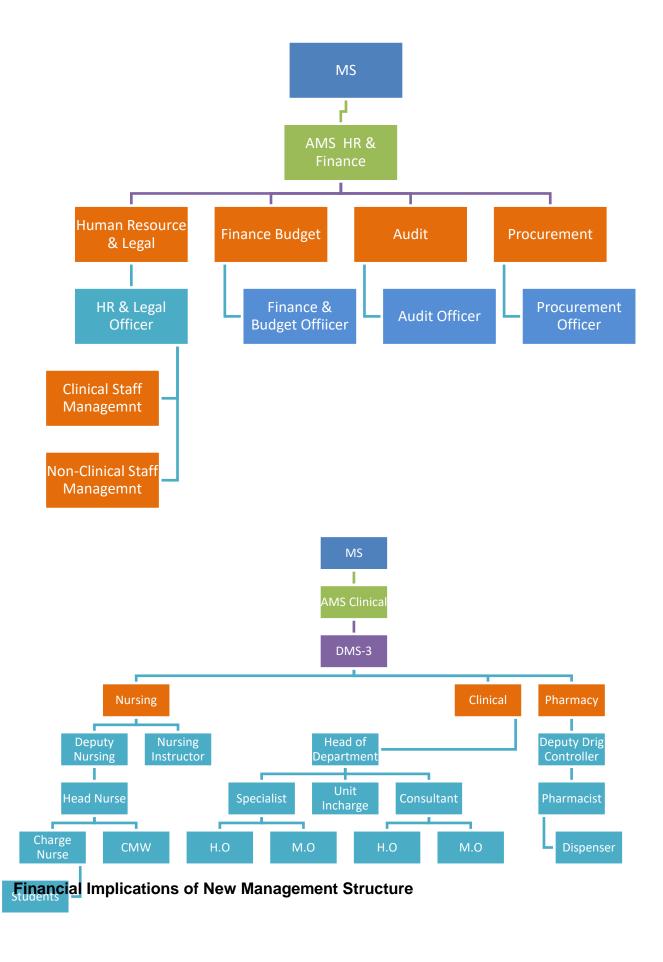
#### 5.7.4 EMR and Networking

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 83<sup>rd</sup> 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	<b>Revised Project Pay Scales</b>	<b>Annual Increment</b>	
<u>(PPS)</u>	(Permissible Range) (PKR)	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:

	No. of	Original Pay package approved		Revised Pay package	
Name of Post	Employees	Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
ADMIN OFFICER	1	80,000	960,000	138,000	1,656,000
HUMAN RESOURCE OFFICER	1	80,000	960,000	138,000	1,656,000
IT/STATISTICAL OFFICER	1	80,000	960,000	138,000	1,656,000
FINANCE & BUDGET OFFICER	1	80,000	960,000	138,000	1,656,000
AUDIT OFFICER	1	80,000	960,000	138,000	1,656,000
PROCUREMENT OFFICER	1	80,000	960,000	138,000	1,656,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	840,000	228,000	2,736,000
BIOMEDICAL ENGINEER	1	80,000	960,000	138,000	1,656,000

QUALITY ASSURANCE OFFICER	1	80,000	960,000	138,000	1,656,000
LOGISTICS OFFICER	1	80,000	960,000	138,000	1,656,000
ASSISTANT ADMIN OFFICER	4	50,000	1,200,000	364,000	4,368,000
	17	805,000	10,680,000	1,834,000	22,008,000

# 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
- 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
- 2. 1 year post degree experience of procurement (Additional credit may be given for public sector experience of procurement)

#### 5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

- 1. Security
- 2. Transport

- 3. Parking
- 4. Janitorial
- 5. Canteen
- 6. External housekeeping
- 7. Electrical works
- 8. Internal housekeeping
- 9. Laundry
- 10. Stores & supplies

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

#### **Eligibility Criteria (Admin Officer)**

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

#### **Eligibility Criteria (Assistant Admin Officer)**

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

#### 5.8.2.6 IT/STATISTICAL OFFICER

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

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

#### **Eligibility Criteria**

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

#### **5.8.2.7 QUALITY ASSURANCE OFFICER**

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

#### **Eligible Criteria**

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

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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

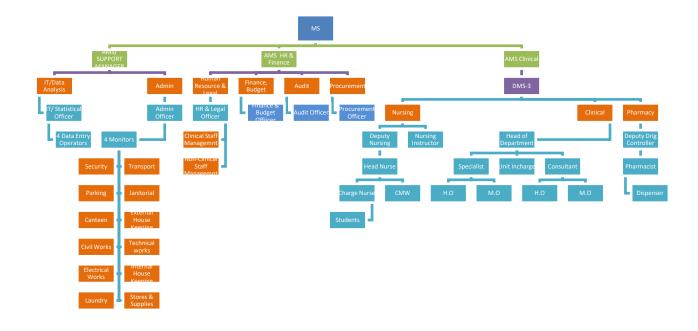
- 1. M.Sc. Supply Chain Management/ MBA or Equivalent.
- 2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

#### 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 Posts	Monthly Salary (PKR)	Annual Impact (PKPR)
ADMIN OFFICER	1	105,000	1,260,000
HUMAN RESOURCE OFFICER	1	105,000	1,260,000
IT/STATISTICAL OFFICER	1	105,000	1,260,000
FINANCE & BUDGET OFFICER	1	105,000	1,260,000
AUDIT OFFICER	1	105,000	1,260,000

PROCUREMENT OFFICER	1	105,000	1,260,000
DATA ENTRY OPERAOTOR (DEO)	4	105,000	1,260,000
BIOMEDICAL ENGINEER	1	105,000	1,260,000
QUALITY ASSURANCE OFFICER	1	105,000	1,260,000
LOGISTICS OFFICER	1	44,000	2,112,000
ASSISTANT ADMIN OFFICER	4	70,000	3,360,000
GRAND TOTAL	17	1,059,000	16,812,000

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

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

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

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

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

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

#### 5.10 PATIENT MANAGEMENT PROTOCOL

#### **5.10.1 EMERGENCY:**

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

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

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

#### 5.10.2 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. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of District Attock is more than 2.055 million. The area of the DHQ Hospital Attock is 1138525 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. 134.858 million to Rs. 130.894 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 <sup>th</sup> PDWP Meeting				
Name of Posts	PPS Assigned	Permissible Range (PKR) & Annual increment	Approved Pay Package		
HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer	PPS-6	75,000-105,000 (8% annual incr.)	75,000		

Assistant Admin Officer	PPS-5	50,000-75000 (10% annual incr.)	50,000
Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000

Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83<sup>rd</sup> 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:LO21010523

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	<b>A05270</b> -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:LO22010084

Fund Center (Controlling):N/A

A/C To be Credited:Account-I

#### **PKR Million**

							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Sr #	Object Code	2021-2022		21-2022 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

## **Abstract of Cost**

Name of DHQ Hospital			Atte	ock			
Scope of work		Orignal		•	1st Revised		
	Capital	Revenue	Total	Capital	Revenue		
Capital component				_			
Internal Development	71.121	0.000	71.121	62.515	0.000		
External Development	48.103	0.000	48.103	63.680	0.000		
Water filtration plant	5.170	0.000	5.170	4.699	0.000		
Total Capital Component	124.394	0.000	124.394	130.894	0.000		
Revenue component							
Human resource (HR) plan	0.000	25.440	25.440	0.000	53.318		
Total Revenue component	0.000	25.440	25.440	0.000	53.318		
Total	124.394	25.440	149.834	130.894	53.318		
PST (5%)	6.220	0.000	6.220	0.000	0.000		
Punjab Green Tax (1%)	1.244	0.000	1.244	0.000	0.000		
Additional cost for Wapda	2.000	0.000	2.000	0.000	0.000		
Additional cost for SNGPL	1.000	0.000	1.000	0.000	0.000		
Grand Total	134.858	25.440	160.298	130.894	53.318		

Total

62.515 63.680 4.699 130.894 53.318 53.318 184.212 0.000 0.000 0.000 184.212

## **Human Resource Model of THQ Hospital**

	Original				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
AUDIT 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)	4	35,000	140,000	3,360,000	4	3	44,000	176,000	5,456,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
BIO MEDICAL ENGINEER	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	4	50,000	200,000	4,800,000	4	5	70,000	280,000	8,680,000
Sub Total of HR Model	17		1,060,000	25,440,000	17	62	1,059,000	1,401,000	43,431,000
				25.440					43.431
Utilization of HR Component				9.887					
									53.318

GOVERNMENT OF THE PUNJAB,



NAME OF WORK

ROUGH COST ESTIMATE "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK ADP NO. 660 FOR THE YEAR 2022-23".

**ESTIMATED COST:** 

176:599 Rs. 192.003 (M) 168 59 9 M

**EXECUTIVE ENGINEER BUILDING DIVISION, ATTOCK** 

1 FILENAME to 9 GALatest R.C.EVand Half 2022/Health Department/Revamping DHQ Attock/History.doc/

ROUGH COST ESTIMATE "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK ADP NO. 660 FOR THE YEAR 2022-23".

HISTORY: -

The Government of the Punjab taking keen interest to provide batter facilities in Health Sector. In this regard a scheme reflected in current ADP at General Serial No. 660 for the year 2022-23. Accordingly, site has been visited and scope of work provided by the client department a rough cost estimate has been prepared amounting to Rs. 192.003 (M) on the basis of plinth area rates notified vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1188/D-92, Dated 07.07.2022 for 2nd Bi Annual Period 1st July 2022 to 31st December 2022 and is being submitted for onward submission to quarter concerned for administrative approval / funds please.

#### **SCOPE OF WORK: -**

1.	Revamping of Main Building DHQ	=	1 Job
2.	Provision of Water Filtration Plant with Supply System	=	1 Job
3.	Fire Alarm System	=	1 Job
4.	Provision of ATS system and Panel Board	=	1 Job
5.	Electric Panel Room (25x25)	=	625 Sft
6.	Provision of Sewerage System	=	1 Job

#### **SPECIFICATION: -**

The work will be got executed according to the Buildings Department specifications and to the entire satisfaction of the Engineer Incharge.

#### **CARRYING OUT OF THE WORK: -**

The work will be carried out through some approved Agency of Buildings Department after calling competitive tenders and allotted to the lowest one as per rule.

#### RATES: -

This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore North Zone No. CEBNZ/1188/D-92, Dated 07.07.2022 for 2nd Bi Annual Period 1st July 2022 to 31st December 2022.

COST: -

Rs. 1<del>92.003 (M</del>)

130.894

TIME LIMIT: -

24 months are required as per allocation of ADP.

Sub Divisional Officer
Buildings Sub Division

Attock

Executive Engineer
Buildings Division

Attock

?

# CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ Attock 20-07-22 Note: As this scheme is Balance work of DHQ Attock therefore, only those areas will be revamped which were left by IDAP.

Sr No	Note: As this scheme is balance work of the litem	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit (F.F)	Remarks
1		Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Tiles specifications , brand, size and Installation will be as per specified C&W standards.
2	Porcelain Wall Tile replacement	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside	and 6" skirting (inside	Tiles specifications , brand, size and Installation will be as per specified C&W standards.

Sr No	ltem .	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit	Remarks
3	Wooden Doors flush or Solid/ Main Doors	Only damaged doors (which are few) will be replaced by Solid flush doors. Remaining doors will only be repainted properly after scrapping the old paint. Doors which are opening outside will have cantilever above them.	repainted properly after scrapping the old paint. Doors which are opening outside will have cantilever above them.	replaced by Solid flush doors. Remaining doors will only be	properly after scrapping the old paint.	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.
4	Verandah opening (opening to open area)/ MS Windows on Façade	All damaged MS angle iron & jaali will be replaced with new MS angle iron & double jaali.	angle iron & jaali will be replaced with new MS angle iron &	angle iron & jaali will be replaced with new MS angle iron & double jaali	replaced with	Specifications will be as per C&W standards.

Sr No	Item	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit	Remarks
5	Existing Internal Windows	All old MS windows will be replaced with Aluminium windows.	All old MS windows will be replaced with Aluminium windows.	All old MS windows will be replaced with Aluminium windows.	All old MS windows will be replaced with Aluminium windows.	Specifications , Aluminum and glass color will be as per specified C&W Standards
6	Internal Corridors.	All corridors need to repaint after scrapping the old paint completely.	All corridors need to repaint after scrapping the old paint completely.	All corridors need to repaint after scrapping the old paint completely.	All corridors need to repaint after scrapping the old paint completely.	
7	Internal Electric fiitings	including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical.	from Finish Floor level and all must be identical.	wires, DBs & bracket fans should be replaced and installed at	Model Specifications / Brands, should be as per specified C&W Standards.

Sr No	ltem	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit (F.F)	Remarks
8	Internal Lighting Fixtures	distance. All old switch fittings & DBs if requires need to	SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need	at 8 ft distance.	SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs	Model Specifications / Brands and distance should be as per specified C&W Standards.

Sr No	item	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit (F.F)	Remarks
9	Revamping of Public Toilets	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water	room accessories, tile size and color will be as per

Sr No	ltem	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit	Remarks
10	Wall Paint	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications , paint specifications , brand and color will be as per C&W standards.
11 - 4	Roof Treatment	Not required.	Not Required	Not required.	Not required.	
12	Nursing Counter (Ward)	provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile	be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile	Nursing counter will be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile.		

Sr No	ltem	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit (F.F)	Remarks
13	Stairs - Marble and Railing	Marble on stair steps is in good condition. Only damaged pieces need to be repiared.	Marble on stair steps is in good condition. Only damaged pieces need to be repiared.	Marble on stair steps is in good condition. Only damaged pieces need to be repiared.	Marble on stair steps is in good condition. Only damaged pieces need to be repiared.	Marble/Granit e type and installation technique will be as per C&W Standards.
14	Ramps - Tile and Railing	Chequered tile will be fixed on ramps. SS Railing is already available.	Chequered tile will be fixed on ramps. SS Railing is already available.	Chequered tile will be fixed on ramps. SS Railing is already available.	Chequered tile will be fixed on ramps. SS Railing is already available.	
15	Façade Uplifting	with weather shield combinations and patterns should be executed on front	treatment with weather shield combinations and patterns should be executed on front	Minor Façade treatment with weather shield combinations and patterns should be executed on front elevation.	Minor Façade treatment with weather shield combinations and patterns should be executed on front elevation.	
16	Lead linning Walls (X-Ray)	There are 4 nos of x-ray rooms in the hospital. All of them require lead lining completely.	Not Required	Not required.		

Anti-microbial treatment is required in operation theatres. (Dampa Ceiling, Anti-microbial wall panelling, anti-static flooring).  External Weather Shield  External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.  External Weather Shield  External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.  SS Edge Protection  SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.  SS Cladding is required at Internal columns  Columns SS Cladding  SS Cladding is required at Internal columns  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  Plumbing Works  Anti-microbial vall poperation theatres, (Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.  External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.  SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of 5	Sr No	item	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit (F.F)	Remarks
External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.  Edge Protection  Edge Protection  SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.  SS cladding is required at Internal columns  Columns SS Cladding  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  External weather shield of grey and white pattern of first class quality needs to be fixed son the front Elevation only.  SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.  SS cladding is required at Internal columns  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  External Weather Shield of grey and white pattern of first class quality needs to be fixed so be fixed on the front Elevation only.  SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of ft. till the height of Wall/Dado tiles.  SS cladding is required at Internal columns  SS cladding is required at Internal columns  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  External Weather Shield of grey and white pattern of first class quality needs to be done on the front Elevation only.  SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.  SS cladding is required at Internal columns  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  Elevation only.	17	Anitmicrobial Treatment (OTs)	is required in operation theatres. (Dampa Ceiling, Anti-microbial wall panelling, anti-static			·	
SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of 5 f	18	External Weather Shield	of grey and white pattern of first class quality needs to be done on the	shield of grey and white pattern of first class quality needs to be done on the front	shield of grey and white pattern of first class quality needs to be done on the front		
Columns SS Cladding  SS cladding is required at Internal columns  Columns  Columns  Columns  Columns  Columns  Columns  Columns  Internal is required at Internal columns  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  Plumbing Works  Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.  Plumbing Works  Required	19	Edge Protection	needs to be fixed on all corners up to height of 5 ft. till the height of	needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado	Protection needs to be fixed on all corners up to height of 5 ft. till the height of		
Damaged Water supply & sewerage supply & sewerage pipes causing seepage to be repaired & rectified.  Plumbing Works  Damaged Water supply & sewerage supply & sewerage pipes causing seepage to be repaired & rectified.  Supply & sewerage pipes causing seepage to be repaired & rectified.  Supply & sewerage pipes causing seepage to be repaired & rectified.  Required  Required  Required  Required	20	Columns SS Cladding	,	required at Internal	required at Internal	is required at Internal	
integuired integrated			& sewerage pipes causing seepage to be repaired & rectified.	supply & sewerage pipes causing seepage to be repaired & rectified.	supply & sewerage pipes causing seepage to be repaired &		
		Fire Alarm System Elevators	Required	Required	Required	Required	

 $\bigcirc$ 

Sr No	Item	Emergency (GF)	Old OPD (GF)	Male Ward (GF)	CCU/Burn Unit (F.F)	Remarks
24	Expansion joint of Building	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	Treat expansion joint of building properly & cover it with SS patti	·
25	Any Other item					
26	Electrification	All external main cables of hospital which are hanging in Air should be concealed in all respects. Similarly, few existing DB's need to replace as per site condition along with proper earthing of complete hospital.				

# SCOPE OF WORK FOR REVAMPING OF HEALTH FACILITY DHO HOSPITAL ATTOCK

Sr No	Description	Condition	Condition Additional Information		
			OHWR is available. Water		
l I	Water Supply System		supply lines are old & need to		
			be replaced.		
		1	Sewerage system is in worst		
			condition & needs a complete		
	Sewerage System		overhaul. C&W will re-assess		
			the requirement & decide	•	
	<u> </u>	1 .	accordingly.		
	External Pathways		Not required.		
	Boundary Wall		Not required.		
	Main Gate		Not required.		
	Sources of Electircal Supply				
	Transformer		·.	, , ,	
	ATS Panel for Generators				
	Electrical Panel Room				
	External Wires .				
	Water Filtration Plant		RO plant is required.	2	
			· <del></del>	· · ·	
			-		
		1			
_					

## AMENDED ROUGH COST ESTIMATE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK ADP NO. 660 FOR THE YEAR 2022-23".

Sr.	l Description I	Plinth	Unit		Plinth			es	Amount	Remarks :
<u>lo.</u>	Description	Area/	- O.I.I.	B.P.		•	S.G			
1	2	3	4	5	6	7	8	9	10	11
	CLINICAL BUILDING							:		This Rough Cost Estimate has been framed on the
	(Internal Development, Tile work, ramp & stair paint &							;		basis of Plinth Area Rates Notified Vide Chie
	dampness work lead lining , façade improvement, internal									Engineer Punjab Building Department Lahore (NZ
	fixtures, intenal electrification & miscellaneous repair work of									No. CEBNZ/1188/D-92, Dated 07.07.2022 for 2nd
	building									Bi Annual Period 1st July 2022 to 31st Decembe 2022
1	Revamping of Main Building	1	P.Job					9 <del>3728</del> 000	93 <del>7280</del> 00	Details attached
								74528000/	- 24.00 Box	77876000 70923500/ 5494116
2	Provision of Water Filteration Plant with Supply System	1	P.Job					<del>5209879</del>	528987 <del>9</del>	Details attached.
					1	<u> </u>		47446711	- <del>5755</del> 67/	1-4699000
3	Fire Alaram System	1	P.Job					7684 <del>668</del>	<del>7684088 /</del>	7574 ood Details attached.
						Ь		7684 668	76846	
4	Provision of ATS system and Panel Board	1	P.Job					<del>-57875916′</del>	<del>- 57875916</del> - <del> </del>	Details attached. 965 39166335
5	Electric Panel Room (25*25)	625	Psft	3721	222			3943	2464375	Details attached.
8	Provision of Sewerage System	1	P.Job	12483635	i			12483635	-12483635	Details attached.
	, <u></u>						L	Total	179526473	-1
	•								1647612	1572-37475 121328511
						Add	5% F	ST charges		7861873-6066426
	Add One to see the Marian D. A. T	- 1500	0 //	45 - 1-			<b>.</b>		2500000	70010 72 0000 120
. Th	ECHNICALLY VETTER	0 IESC	O (incr	ease the lo	ao ca	pacı	ty or t	rasnstormer	3500000 ⁄	
,	110 100						G	rand Total:-	492002796	168599378 13089hal
2≤	168579_(Million)_								116499	13001110
	normal Court (der Grafisman						F	ks.in Million	,1 <del>02:003</del> , <del>774 - 594</del>	1-168.599 M
Bept	ti Punjab Bandus pht: Punjas Buildings Depti			- ·			/			(w)
hore.	North Zone, Lahore North Zone, Lahore						1		_	•
	Sup Divisional Officer,						윽	cutive Engil	3000	
	Sun Divisional Unicer									

North Zone

G:\Latest R.C.E\2nd Half 2022\Health Department\Revamping DHO Artock\BALANCE WORK \$\text{pHQ} ATTOCK

## GENERAL COMPARATIVE STATEMENT

## AMENDED ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK ADP NO. 1013 FOR THE YEAR 2021-22

Sr.	Description	As p	er App	roved R/C	Estimate	As p	er Ame	ended R/C	Estimate	Excess	Saving	Remarks
No.		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			<u> </u>
1	Revamping of Main Building	1		69777000	69777000.	1		<del>795</del> 08000	<del>79508000</del> 7787600 54941169	Pa	0	Excess due to new rates arrived for the period 1st Half 2022.
2	Provision of Water Filteration Plant with Supply System	1	P.Job	4930160	4930160	1	P.Job	-4 <del>744871</del>	-4744671 4699000	0	_185489	do
3	Provision of Heavy Electric Installation and Panel Room.	1	P.Job	14030300	14030300		:			0	14030300	do
4	Providing and fixing of Razor Wire	4300	P.Rft	400	1720000			-		0	1720000	do
5	Provision of Iron Spike on Boundary Wall	8600	P.Sft	650	5590000					0	5590000	do
6.	Provision of Tuff Pavers	13051	P.Sft	197	2571047				_	0	2571047	do
7	Provision of External Waiting Area & Parking facility	1	P.Job	2924400	2924400			. <u>.</u>		0	2924400	do
8	Provision of Sewerage Sysytem	1	P.Job	11118600	11118600	1.	P.Job	12483635	12483635	1365035	0	do
9	Provision of Street Lights	1	P.Job	4084364	4084364			·		0	4084364	do
10	Fire Alaram System					1	P.Job	. <del>768</del> 4668	7684668 757400		0	do
11	Provision of ATS system and Panel Board		:			. 1	P.Job	<del>57875910</del>	57875918 521401	<del>57875916</del>	1	do
12	Electric Panel Room (25*25)					625	Psft	3943	2464375			do
-		:		Tota	1 116745871	i .			1572	8514	31105600	<b>L</b> ,

Sr.	Description	As per Approved R/C	Estimate	As per Ame	nded Ri	stimate	Excess	Saving	Remarks
No.		Qty Unit Rate	Amount	Qty Unit	Rate	Amount			
	Add 1%	for tree plantation charges	1167459	•			0	1167459	•
	·	Add 5% PST charges	5837294			-9238063 -786187	<del>2400769</del>	0	
	Add Cost for WAPDA Transformer payable	to IESCO (Increase the load capacity of trasnsformer	•		·	3500000	1500000	0	
	Add Cost for	Sui Gas payable to SNGPL	1000000				0	1000000	
	_	Grand Total:-	126750624		-	176499328 76857 478499300		0	
		Say:-	126750000			<del>476499300</del>	49749300	0	
	·	Rs.in Million	126.750			<del>-176.499</del>	49.749	0	

-168.599 (M)-

Sub Divisional Officer
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

## AMENDED ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK ADP NO. 1013 FOR THE YEAR 2021-22

Sr. No.	Description	-	• •	Rough cos		_		Rough cos 1 Decembe	st Estimate r 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8 -	9	10	11	12	. 13
	MAIN BUILDING											-
	Dismantling glazed or encaustic tiles, etc					35293	%cft	2335.85	824392	824392	. 0	
	Dismantling cement concrete 1:2:4 plain.	5123	%Cft	8421.6	431439	4424	%Cft	11174.6	494364	62925	0	
	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	2562	%Cft	5495.7	140800					0	140800	
٠	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4		%Cft	24433.2	1251713	4424	%Cft	36753.3	1625966	374253	0	
5	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles 600mmx 600 mm			·		35408	Psft	340.35	12051113	12051113	0	
6	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm					24079	P.Sft	340.35	8195288	8195288	0	
7	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	-				1487	P.Sft	239.8	356583	356583	0	

		· ·	<u> </u>				>					
ìr. Io.	Description	_		l Rough cos 1st Decemb				Rough co	st Estimate er 2022)	Excess	Saving	Remarks
_		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	· 		
1_	2	3	4	5	6	7	8	9	10	11	12	13
	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 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"					6104	P.Sft	292.55	1785725	1785725	0	
	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.  (b) Bevelled edges & flange 21.5 mm  (iii)600 mmX 600 mm					2282	P.Sft	4 60)	912-860 983542	<del>-983</del> 542	0	
••	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent ) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.  (a) Cementitious Urethane  (b) Epoxy  (c) Polyurethane  (d) Urethane			·		2282.00	-P.Sft	516	1177512	1177512	0	
11	Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire retrdent core made of Alpolic/Areca i/c the cost of base frame of !-1/2"X1-1/2" GI angle Iron at specified intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  (i) 3 mm thick (Interior)					4498.00	P.Sft	1788	8042424	8042424	0	



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Sr. No.	Description			Rough cos				Rough cos 1 Decembe	st Estimate r 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	P/L Pre-Polished Procelin Tile (Spm 110) Light Polished Sb Of Size 24"X24" Master Or Equivalent Made Tile Laid In White Cement Over 1/2" Thick C/S Mortar 1:2 I/C Filling Of Joints With Matching Pigment Complete In All Respect As Approved By The Engineer In Charge (For Flooring)	29087	P. Sft	276.00	8028012					0	8028012	
	P/L Master Wall Tile size 12"x36" Master or Equivelent laid over 1:2 cement sand mortar i/c filling of joint with matching pigment complete in all respect as approved and directed by the Engineer Incharge (For Flooring).	1500	P. Sft	270.00	405000					0	405000	
	Removing cement or lime plaster.	40022	%Sft	319	127670		11.6			0	127670	
	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick	40022	%Sft	2297.75	919606					0	919606	
	P/L Pre-Polished Procelin Tile (Spm 110) Light Polished Sb Of Size 24"X24" Master Or Equivalent Made Tile Laid In White Cement Over 1/2" Thick C/S Mortar 1:2 I/C Filling Of Joints With Matching Pigment Complete In All Respect As Approved By The Engineer In Charge (For Skirting)		P. Sft	293.00	10963181	-				0	10963181	
	P/L Master Wall Tile size 12"x36" Master or Equivelent laid over 1:2 cement sand mortar i/c filling of joint with matching pigment complete in all respect as approved and directed by the Engineer Incharge (For Skirting)	4284	P. Sft	280.00	1199520					0	1199520	:
.18	P/F False ceilling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.		P. Sft	360	10471320		·			0	10471320	
19	Preparing surface and painting with emulsion paint 3 coats i/c Scraping Ordinary distemper, oil bound distemper, or paint of wall.	47337	%Sft	2774.95	1313578	:	• • •			0	1313578	
20	Preparing surface and painting with emulsion paint 2 coats					164409	%Sft	2034.65	3345148	3345148	0	
21	P/F Of U-PVC Door I/C Chowkat Framed 70Mm Casement Frame For Openable Delux / White With Multi Locking System, Special Uv Resistent Profile With Titanium Dioxide Belgium (Deceuninck) Made Complete In All Respect As Approved And Directed by the Engineer Incharge.	560	P. Sft	2918	1634080					0	1634080	



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Sr.	Description	•		Rough costst December				Rough co	st Estimate er 2022)	Excess	Saving	Remarks
	<b>_</b>	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	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					735	P. Sft	9567	69825 <del>1837500</del>	0 - <del>1807500</del>	<u> </u>	
	Removing door with chowkat.	50	Each	331.65	16583	52	Each	438	22776	6193	0	
24	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.  P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick	544	P. Sft	586.45	319029	192	P. Sft		276019	0	43010	
	Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as					. 1355	P. Sft	678.55	919435	919435	0	
	approved and directed by the Engineer Incharge.											
26	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(Non-Skid Chequred Tiles) 300mmx300mm					2120	P. Sft	211.4	448168	448168	0	

Sr. No.	Description	_		Rough cost st Decembe		-		Rough co	st Estimate er 2022)	Excess	Saving	Remarks
		Qty .	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge					880	P. Sft	2361.45	2078076	2078076	. О	
	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal auotomatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge, hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.					5	Each	5572	27860	27860	0	
29	Removing windows and sky lights with chowkat.	137	Each	258.7	35442	179	Each	341.5	61129	25687	0	
£.	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	4782	P. Sft	498.5	2383827	4046	P. Sft	1348.4	5455626	3071799	0	
	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge, complete in all respect.	4782	P. Sft	330.05	1578299	2023	P. Sft	493.05	997440	0	580859	
32	P/F of M.S Grill to Windows using 1/2"x1/2" Sq Bar @ 4" C/C vertically in two parts with 2 No. Horizental Lknow for using sliding of windows 1"x1"x1/8" angle iron frame alaround i/c painting 3 coats hold fast complete in all respect as approved and directed by the Engineer Incharge.	4782	P. Sft	463	2214066 <sup>-</sup>		P. Sft	463	0	0	2214066	:

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6r.	Description	-		Rough cos				Rough co 1 Decembe		Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars					4046	P. Sft	854.8	3458521	3458521	0	
34	Removing cement or lime plaster.	į.				11034	%cft	423.3	46707	46707	0	
35	Cement plaster 1:6 upto 20' (6.00 mm) height:-½" (13mm) thick					11034	%sft	2996.8	330667	330667	0	·
36	Cement plaster 1:4 upto 20' (6.00 mm) height:-1/2" (13mm) thick					3900	%sft	3232.95	126085	126085	0	
	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge					6480	P. Sft	171.35	1110348	1110348	0	
38	Painting doors and windows, any type two coats i/c Brushing and scraping blisters of old paints from woodwork.					14060	%sft	2175.5	305875	305875	0	
39	Scraping Ordinary distemper, oil bound distemper, or paint of wall.					164409	%Sft.	761.9	1252632	1252632	0	-
40	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast, hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete (excluding sliding bolt or lock) 1½" thick (40 mm)	380	P. Sft	1303.1	495178					. 0	495178	ger — ordinantingglenne
41	Providing and fixing sliding bolt to doors iron sliding bolt, 12" (300 mm) long	10	Each	393.55	3936				:	0	3936	
42	Dismantling 2nd class tile roofing.	9321	%Sft	957	89202					- 0	89202	
43	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.	9321	%Sft	8635.95	804957					0	804957	

Sr. Vo.	Description	-	t July to 3	d Rough cos 1st Decembe			ıly to 3	Rough cos 1 Decembe	st Estimate r 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride ) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge Type (SDR 32.5/SN-8) 4"(110 mm)				•	750	PRft	440.65	330488	330488	0	
	Providing and installing P.V.C. bends, of B.S.S. Class 'B' working pressure 4" i/d (100 mm)			,	-	50	PRft	543.55	27178	27178	0	
	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	25	Each	595.45	14886	50	Each	835	41750	26864	0	
47	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.	مَنْ مَنْ	-			624	Psft	1308.85	816722	816722	0	
48	Providing and fixing high quality LED SMD Panel hight 2 ft*2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Insharge. Lumens. 110Lumn/Watt (i) 36 watt		·			1000 -2810	P. Sft	1020.00	1020000 <del>2866200</del>	192 <i>30 0</i> <del>2866200</del>	0	
	S/E Of SMD Light (16 Watt) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.	<b>J</b> C				350	Each	1800	6300	6300	0	
50	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage, size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge 16SWG 4"x3"					500	PRft	335.35	167675	167675	0	
51						100	PRft	402.7	40270	40270	0	
	Cement plaster 1:5 upto 20' (6.00 mm) height ½" (13 mm) thick i/c Removing cement or lime plaster.			• .		3327	%sft	3082.5	102555	102555	0	
53	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:-On interior surface (without mastic strip)					165	PRft -	147.3	24305	24305	0	

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3r.   10.	Description	-		Rough cos		-		Rough co	st Estimate er 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing embeding 10" (250 mm) wide ¼" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.i/c Providing and fixing 6 in (150 mm). wideG.I. sheet 18SWG stopper to expansion joint.					520	PRft	281.25	146250	146250	0	
	Supply and erection of fancy LED Pannell light 2'x2' i/c LED Light & Driver 36 (W) (Philips / Alpha LED Ultra Slim) or Equivalent i/c fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge	898	Each	10920	9806160		3	,	,	0	9806160	
	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respect. Deodar wood architrave	380	P. Sft	54.3	20634		:	-		0	20634	
	S/E English W.C Porta made imported one piece i/c double seat cover full size i/c thimble complete set color ICI/forte or equivalent complete in all respect as approved by the Engineer Incharge.	12	Each	19995	239940					0	239940	
58	P/F Orissa W.C Porta made imported complete set color ICI/forte or equivalent complete in all respect as approved by the Engineer Incharge.	14	Each	5790	81060					0	81060	
59	Providing And Fitting Glazed Earthen Ware Wash Hand Basin (HD80) Porta Made 56 X 40 Cm (22" X 16"), Including Bracket Set, Waste Pipe And Waste Coupling, Etc. Colour With Pedestal As Approved And Directed By The Engineer In Charge.	ŀ	Each :	10153	142142					n	142142	,
60	P/F Spun Pipe of approved quality (Tipu Supreme) with cement yarn joints etc complete in all respect as approved and directed by the Engineer Incharge 4" dia	713	P. Rft	493	351509				-	0	351509	
61	P/F of spun pipe specials such as tee, coller, bend etc plain type / plug type of approved quality ( Tipu supreme) with cement yarn joints complete in all respect as approved and directed by the Engineer Incharge	75	Each	405	30375					0	30375	
62	P/F of UPVC wall paneling UPVC section like plank, beading gola, angle gola 200 mm wide 9mm thick designed grooved planks fixed with inter locking system nails seew on existing wall produced in plumbs using wooden strips (Anti termite) i/c carriage of material from market to site work complete in all respect as approved/directed by the Engineer Incharge	13088	P. Sft	125	1636000		1			0	1636000	

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6r. No.	Description	-		Rough cos st Decemb				Rough co	st Estimate er 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabnit 22" deep with back Complete in all Respect.	450	P. Sft	4916	2212200	145	P. Sft	6170	894650	0	1317550	
	P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.	2600	P. Rft	648	1684800					0	1684800	
65	Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.					1200	P. Sft	640.00	768000	768000	0	·
66	Cement pointing 1:2 flush on floor	- 1				10690	%sft	2597.90	277716	277716	0	
67	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect old surface two coats.	15607	%Sft	2068	322753	11702	%Sft	3850.9	450632	127879	0	
68	P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as aper instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	1568	P. Sft	970	1520960					0	1520960	- Jan Handles
69	P/L Sunny Grey Marble 1/2" To 3/8" Thick Laid On Top Of Parapit At 2Nd And 3Rd Floor Of Width 1.25" Laid With 1.2 Cement Sand Mortor, Providing 3/8" Thick Slope Inside Without Rubbing But Also Include Filling Of Joint Projected Outside 1/2" Complete In All Respected As Approved Directed By The Engineer Incharge	922	P. Sft	160	131520					0	131520	



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Sr. 10.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)						Rough co	Excess	Saving	Remarks	
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing / Fixing stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical balustrade, of 1-1/2" wide 3/8" thick stainless steel double strip with stainless stud welded to fancy reducer 2"x1/2" at top and M.S tikki 3" dia 1/4" thick at bottom fixed on steps with holding down rawel bolts 3"x3/8" M.S tikki covered with architectural multi offset shape stainless steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal stainless steel pipe 3/4" dia 18 SWG 3 No fixed with vertical balustrades i/c steel polishing fixed at site complete in all respect and as approved by the Engineer Incharge (All stainless steel member, shell be of non magnetic) code No 304	288	P. Rft	2400	691200					0	691200	
71	Providing and fixing of vanity comprising of 3/4" thick pre-polished marble slab Granite size 6'x2' laid in white cement and matching pigment over 3/" thick cement mortar 1:2 i/c making holes in slab, rubbing & chemical polishing and making gola on exposed edges complete in all respect as approved by the Engineer Incharge.	6	Each	26000	156000		-			0	( 156000	
72	Providing And Fixing Chromium Plated Mixture Set (Master Or Eq. Made) (Comprising Of Valve Shower, Mixing Valve) Etc. Complete In All Respect As Approved And Directed By The Engineer In Charge.	20	Each	24412	488240			-		0	488240	
	P/F Of Bath Room Accessories Set Comprising Of Looking Mirror, Shelf, Towel Rail, Towel Ring, Toilet Paper Holder, Soap Dish, Having Mug, Tooth Brush Holder Complete In All Respect As Approved / Directed By The Engineer Incharge.	8	Each	6500	52000	-				0	52000	
	Providing And Fitting Low Down Flushing Cistern 13.63 Litres (3 Gallons) Capacity, Plastic (Master or Eq. Made) Including Bracket Set, Copper Connection, Etc Complete In All Respect As Approved And Directed By The Engineer In Charge.	14	Each	3200.00	44800		-		-	0	44800	
_	Providing And Fixing Chromium Plated Double Head Bib Cock 1/2" Dia (Master Or Eq. Made) Complete In All Respect As Approved And Directed By The Engineer In Charge.	32	Each	4314	138048					0	138048	
76	Providing And Fixing Muslim Shower With Flexible Pipe (Master Or Eq. Made) Complete In All Respect As Approved And Directed By The Engineer In Charge.		Each	1500	18000				-	0	18000	

·					1						
Description	_		_		-		_	1	l e	Saving	Remarks
	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
2	3	4	5	6	7	8	9	10	11	12	13
ine with `B' Class working pressure pipe, in trenches, complete in all	540	P. Rft	318.3	171882					0	171882	
	46	Each	173.85	7,997	,				0	7997	
P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap Complete In	25	Each	684	17100	:				0	17100	
- • • • • • • • • • • • • • • • • • • •	10	Each	2820	28200					0	28200	
	50	Each	3060	153000					0	153000	
Pak Fan made i/c fitting and making electric connection complete in	70	Each	6817	477190					.0	477190	
Complete In All Respect As Approved And Directed By The Engineer Incharge.	110	Each	360	39600					0	39600	
Complete In All Respect As Approved And Directed By The Engineer Incharge.	50	Each	432	21600					0	21600	
directed by the Engineer Incharge.	40	Each	660	26400					0	26400	
	800	Each	156	124800					0	124800	
	160	Each	360	57600					0	57600	
P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.	200	Each	336	67200					0	67200	
Punjab Building Department Lahore (NZ) No. CEBNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 1st July 2021 to 31st December 2021	·				15000			333000	0 <b>2230/2</b> 2	0	
Electric Installation as per Plinth area rate	9321	P. Sft	118	1099878	- <del>38000</del> -	P. Sft	222	<del>-8436000</del> -	<del>-7336122</del> -	0	
Public Health as per Plinth area rate	9321	P. Sft	92	857532	38000	P: Sft	117	4446000	3588468	0	
	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)  Providing and fitting "P" trap 10 cm (4") glazed  P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap Complete In All Respect As App By The Engineer Incharge  S/E of Emergency Exit logo light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  Supply & errection of Wall Bracket fan plastic body 18" size GFC / Pak Fan made i/c fitting and making electric connection complete in all respect as approved by the Engineer Incharge.  P/F Of Gang Plate 4 To 6 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  P/F Of Gang Plate 8 To 10 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  P/F Of Somer Plug 20Amp complete in all respect as approved and directed by the Engineer Incharge.  P/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)  Providing and fitting "P" trap 10 cm (4") glazed  P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap Complete In All Respect As App By The Engineer Incharge I	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with "B" Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)  Providing and fitting "P" trap 10 cm (4") glazed 46 Each P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap Complete In All Respect As App By The Engineer Incharge S/E of Emergency Exit logo light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved by the Engineer Incharge.  F/F Of Gang Plate 4 To 6 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  S/E of Power Plug 20Amp complete in all respect as approved and directed by the Engineer Incharge.  F/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  P/F Of Fan Dimmper Of Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respe	Description  (1st July to 31st December  Qty Unit Rate  2 Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 4" ild (100 mm) Providing and fitting "P" trap 10 cm (4") glazed P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap. Complete In All Respect As App By The Engineer Incharge S/E of Emergency Exit logo light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.  Supply & errection of Wall Bracket fan plastic body 18" size GFC / Pak Fan made i/c fitting and making electric connection complete in all respect as approved by the Engineer Incharge.  P/F Of Gang Plate 4 To 6 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  P/F Of Gang Plate 8 To 10 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  S/E of Power Plug 20Amp complete in all respect as approved and directed by the Engineer Incharge.  P/F Of Fan Dimmper Of Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.  P/F Of Fan Dimmper Of Best Quality Complete In All Respect As Approve And Directed By The Engineer Incharge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In Charge.  P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In Cha	Clast July to 31st December 2021	Clast July to 31st December 2021   Clast july to 31st December 2021   Clast july to 31st December 2021   Clast july 20   Cla	Description   C1st July to 31st December 2021  C1st July to 32st December 2021  C1st July to 32st December 2021  C1st July to 32st December 2021  C1st July to 33st December 2021  C1st July 2021 to 31st December	Class   Unit   Unit   Unit   Class   Unit   Un	Qty   Unit   Rate   Amount   Qty   Unit   Rate   Amount   3   4   5   6   7   8   9   10	Cast July to 31st December 2021   Cast July to 31st December 2022   Cast July to 31st December 2023   Cast July to 31st July 2021 to 31st December 2024   Cast July to 31st December 2023   Cast July to 31st December 2024   Cast July to 31st December 2023   Cast July to 31st December 2024   Cast July 2021 to 31st December 2025   Cast July 2021 to 31st December 2021   Cast Ju	Description

Br. No.	Description		As per Approved Rough cost Estimate (1st July to 31st December 2021)					Rough co	Excess	Saving	Remarks	
,		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount .			
1	2	3	4	5	6	7	8	9	10	11	12	13
iii	Sui Gas as per Plinth area rate	9321	P. Sft	31	288951					0	288951	
			-	Total (A): -	68048595		!	Total (A):-	<del>&lt;77479012</del>		1	
	Deduction of Old Material								762696	20		
1	Old Doors with Chowkat	50	Each	1500	75000	52	Each	1500	78000	3000	0	
2	Old Windows	137	Each	1000	137000	179	Each	1000	179000	42000	0	
3	Tiles 9"x4-1/2"x1-1/2"	24143	%0Nos	6000	144858					0	144858	
4	Tile Bats	1165	%Cft	2500	29125		'			0	29125	
5	Electric Cables (Unserviceable)	1	P. Job	15000	15000	1	P. Job	30000	30000	15000	0	
			•	Total (B): -	400983			Total (B):	287000			
				Net (A-B): -	67647612			Net (A-B):	<del>-77192612</del>	75982	620	
	Add 3% Contingency on all Items except Item No. 89: -					Add 3% Contingency on 1893918			<del>-2315778</del> - ˈ			
1.				G-Total: -	69777040			G-Total: -	<del>- 79508390</del> -			
				Say: -	69777000			Say: -	7 <del>9508000</del>		_	

778756381-709234381-54941169/-

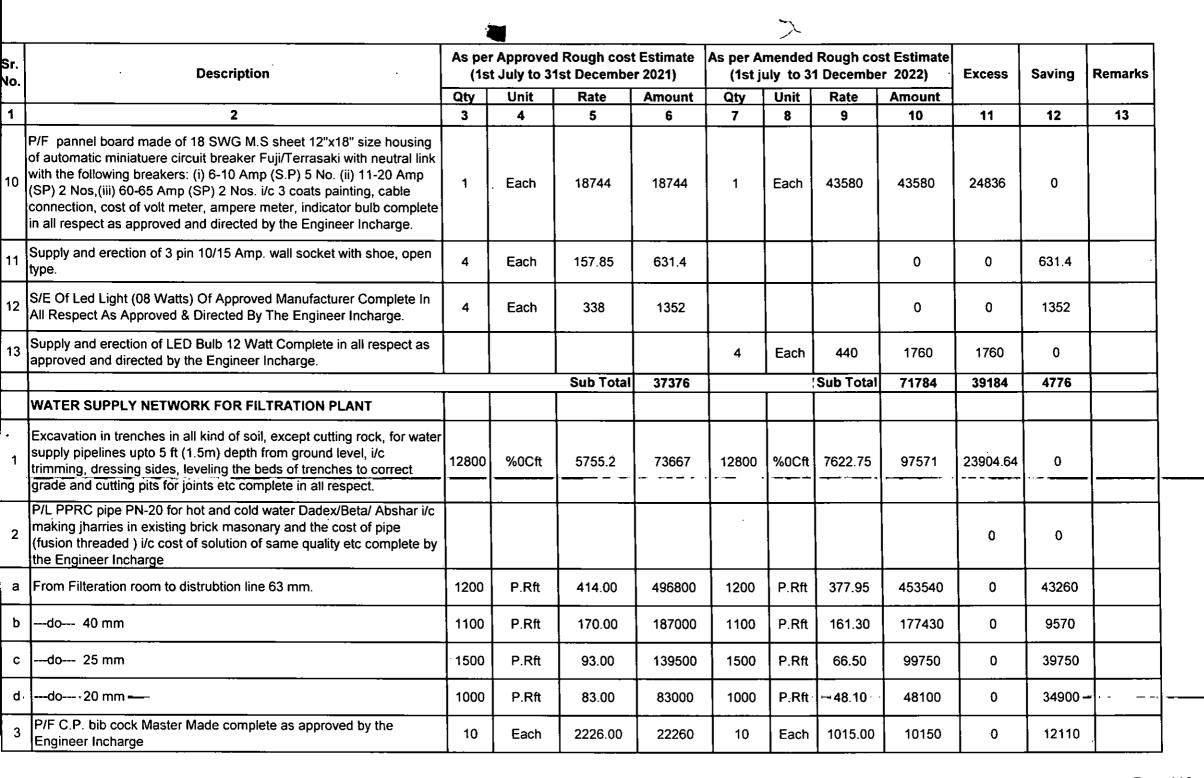
Description	_		_				_	t t	Excess	Saving	Remarks
	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
2	3	4	5	6	7	8	9	10	11	12	13
ROOM FOR FILTERATION PLANT & CHILLER						-					
Excavation in foundation of building, bridges and other structures, ncluding dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.	1375	%0Cft	8078.4	11108	1375	%0Cft	11949.45	16430	5322	0	
Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	366	%Cft	13037.1	47716	366	%Cft	21178.45	77513	29797	0	
Pacca brick work in foundation and plinth in Ratio 1:6	662	%Cft	23388.75	154834	662	%Cft	30137	199507	44673	0	
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:- Type C (nominal mix 1: 2: 4)	94	P.Cft	291.35	27387	94	P.Cft	537.5	50525	23138	0	
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) deformed bars Grade-40.	288	%Kg	19996.45	57590	288	%Kg	31418.2	90484	32894	0 .	
Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	89	%Sft	5642.95	5022	89	%Sft	8600.8	7655	2633	0	
Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick	129	%Sft	3791.35	4891	- 129	%Sft	5514.55	7114	2223	0	٠.
Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	1083	%Cft	25038.75	271170	1083	%Cft	32320.85	350035	78865	0	
Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio	664	P.Cft	402.4	267194	352 365	P.Cft	537.5	189250 190813	0	_76381	
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) deformed bars Grade-40.	2033	%Kg	19996.45	406528	1078	%Kg	31418.2	73868 341516-	0	65012	
Cement plaster 1:5 upto 20' height ½" thick	1177	%Sft	2210.4	26016	1177	%Sft	3082.5	36281	10265	0	
	ROOM FOR FILTERATION PLANT & CHILLER  Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.  Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth in Ratio 1:6  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:- Type C (nominal mix 1: 2: 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) deformed bars Grade-40.  Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick  Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick  Pacca brick work in ground floor with cement, sand mortar Ratio 1:6  Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio  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 ctcel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.	ROOM FOR FILTERATION PLANT & CHILLER Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.  Dement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth in Ratio 1:6  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:- Type C (nominal mix 1: 2: 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) deformed bars Grade-40.  Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500 gauge 1.5" thick  Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick  Pacca brick work in ground floor with cement, sand mortar Ratio 1:6  Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio  Fabrication of mild steel reinforcement for cement concrete, including catting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of ctccl reinforcement (also includes removal of rust from bars) deformed bars Grade-40.	A Community of the content of the co	Pescription  2 3 4 5 ROOM FOR FILTERATION PLANT & CHILLER  Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.  Pement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) and gauge, in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth in Ratio 1:6  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:- Type C (nominal mix 1: 2: 4) Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including sost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Grade-40.  Providing and laying damp proof course of cement concrete 1:2: 4 including biturnen coating with one coat bitumen and one coat of polythene sheet 500gauge 1.5" thick  Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500gauge 1.5" thick  Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500gauge ratio 1:4 ½" thick  Pacca brick work in ground floor with cement, sand mortar Ratio 1:6  Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in sosition, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio  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 ste	ROOM FOR FILTERATION PLANT & CHILLER  Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.  Pacca brick work in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth Ratio 1: 6: 12  Pacca brick work in foundation and plinth in Ratio 1: 6  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: Type C (nominal mix 1: 2: 4)  Fabrication of mild steel reinforcement for cement concrete, including putting, 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) deformed bars Grade-40.  Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat of bitumen and one coat polythene sheet 500 gauge ratio 1:4 ½" thick  Pacca brick work in ground floor with cement, sand mortar Ratio 1:6  Reinforced cement concrete in roof slab, beams, columns lintels, griders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio  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 for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges	Clast July to 31st December 2021)   Clast july to 31st December	Common   C	Pescription    City   Unit   Rate   Amount   City   City	Company   Comp	Company   Comp	Package   Pack

Sr.	Description			Rough cos				Rough cos		Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Cement plaster 1:4 upto 20' height ½" thick	1353	%Sft	2297.75	31094	<del>-1353-</del>	%Sft	<del>3232.9</del> 5	<del>43750</del>	<del>&lt;12056</del>	0	
13	P/F Terracota Khaprail Tiles of approved design and colour on top of slope of window shade & roof, laid over bed of (1:3), 3/4" thick Cement Sand mortar including cost of laying, finishing complete in all respect as approved & directed by the Engineer Incharge.	742	P.Sft	120	89006	1353	9-5/81	4164/35	56354	0 .	89006	
14	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	615	%Sft	2625.8	16145	615	%Sft	3699.4	22747	6602	0	
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	917	%0Cft	3867.6	3547	917	%0Cft	5090.45	4668	1121	0	
16	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile	0	%0Cft	13228.6	0	0	%0Cft	18484.85	0	0	0	
17	Supplying and filling sand under floor; or plugging in wells.	152	%Cft	1879	2856	152	. %Cft	3429.85	5213	2357	0	
	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	218	%Cft	5495.7	11981	218	%Cft	9464.4	20632	8651	0	
19	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	74	%Cft	24433.2	18081	74	%Cft	36753.3	27197	9116	0	
20	Providing and laying topping of cernent concrete 1:2.4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick	328	%Sft	4672.25	15325	328	%Sft	6927.1	22721	7396	0	
21	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	197	P.Rft	9.25	1822	197	P.Rft	19.8	3901	2079	. 0	
22	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1-½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of 3/4"x1/8" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.	90	P.Sft	598.85	53897	30	P.Sft	1,605.35	48161	0	5736	

		As per Approved Rough cost Estimate								Ţ		
Sr. No.	Description			st Decembe				1 Decembe		Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		· <del>-</del>	
1	2	3	4	5	6	7	8	9	10	11	12	13
23	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm) (1103.25 - 260.40)	34	P.Sft	842.85	28657					0	28657	
24	P/F Iron door comprising of specified leaves made of 1-1/4"x1- 1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower holt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge Double Leaf					34	P.Sft	1,393.25	47371	47371	0	
25	P/L Prepolished Porcelain Tile "Master" With Dry / Wet / Venied Application, DWV Series (Light Color) Class SB, 16"X16" Size laid over a bed of 3/4" thick C/S Mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as Approved By The Engineer Incharge (For Floor)	460	P.Sft	218	100280	;				0	100280	
	P/L Prepolished Porcelain Tile Master With Dry/Wet/Wenied Application, DWV Senes (Light Color) Class SB, 16"X16" Size laid over a bed of 3/4" thick C/S Mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as Approved By The Engineer Incharge (For skirting)	104	P.Sft	234	24336			<del></del>	у	0	24336	J-compression of
27	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1.3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge 600mmx 600 mm					460	P.Sft	340.35	156561	156561	0	
28	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	,				104	P.Sft	340.35	35396	35396	0	
29	Distempering new surface two coats with primary coat of chalk (614.20+198.70)	1177	%Sft	812.9 <sup>-</sup>	9568	1177	%Sft	1283.5	15107	5539	0	

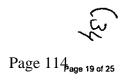
Sr.				ed Rough cost Estimate 31st December 2021)				_	st Estimate	_		Remarks
ło.	Description				-	<u> </u>		1 December		Excess	Saving	Remarks
1	2	Qty 3	Unit 4	Rate 5	Amount 6	Qty 7	Unit 8	Rate 9	Amount 10	11	12	13
30	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 coat	1508	%Sft	3116	46997	1508	-% <del>Sft</del>	1925.45	<del>-2</del> 9041	0	17956	
311	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	145.9	1167	8	P. Sft	207.15	1657	490	0	:
32	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	8	P. Sft	317	2536		P. Sft 492.15 3937		1401	0		
33	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement ½"(13 mm) thick	142	%Sft	14693.45	20865	142	%Sft	20953.65	29754	8889	0	
34	P/f of Filtration Plant of SOSAFE i/c all accessories as per specifications, pressure sand filter ss-24 1 no., jumbo sediment filter 20" (5 micron) gac-20( Activated carbon purifier) jumbo sediment filter 20" (1 micron) chlorine dosing system, Uf membranes, water collecting point, stainless steel header (SS 304) with 6 Nos water taps, UPVC face piping from sand Fiter to UF membranes 1 job as	1	P.Job	1326400	1326400	. 1	P.Job	1627920		<del>-301520</del>	0	
	directed/approved by Engineer Incharge.								34692	\$9		
		<u> </u>		Sub Total	3084016	ļ		Sub Total	- <del>3513607</del> -			
	E.I FOR FOR FILTRATION PLANT							- 6				
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials									0	0	
i	3/4" dia	50	P.Rft	61	3050	50	P.Rft	94.6	4730	1680	0	
2	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.l. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only).		,					<b>-</b>		0	. 0	

				·								
Sr. No.	Description			Rough cos st Decembe				Rough co	st Estimate er 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
i	3/0.029	300	P.Rft	14.05	4215	300	P.Rft	25.7	7710	3495	0	
ii	7/0.036	50	P.Rft	25.6	1280	50	P.Rft	21.7	1085	0	195	· .
	S/E of wall box plastic frame (Hi-Life) lovery colour i/c fixing charges complete in all respect as approved \ Directed by the Engineer Incharge.		_							0	0	
i	For 1-3 Switches	2	Each	234	468			:	0	0	468	
ij	For 1-6 Switches	3	Each	294	882				0	0	882	
4	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							5 9 9 9 9 9		0	ó	
i	One way Gange Switch Small 03 Gange	:				2	Each	742.5	1485	1485	0	
ii	Large 06 Gange					3	Each	1162.5	3488	3488	0	1.2
5	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	1	Each	49.45	49.45	1	Each	67.80	68	18.35	. 0	
6	Erection of ceiling fan along with regulator all size I/c carriage from local railway station / store to site of work electric wire / cable for suspening rod and board connection & cutting threading on rod where necessary	1	Each .	312.5	312.5	1	Each	462.5	463	150	0	
7	S/E of ceiling fan 56" sweep complete in all respect	1	Each	5000	5000	1	Each	7000	7000	2000	0	
8	P/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	8	Each	156	1248				0	0	1248	
9	Supply and erection of button holder	4	Each	36	144	4	Each	104.15	417	272.6	0	
					1		<u>.l</u>	]		1	_	





Sr. No.	Description (			l Rough cost 1st Decembe		1 7		l Rough co 1 Decembe	st Estimate er 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3 .	4	5	6	7 8 9 20 Each 990.00		10	11	12	13	
	P/F ball valve / control Valve complete as approved by the Engineer Incharge.1.5" dia.	20 Each 664.00 17260 20 Each 990.00		19800	2520	0						
b	do 1" dia.	24 .	Each	732.00			40176	22608	0			
С	do 3/4" dia.	52	Each	348.00	18096	18096 52 Each 1434.00 7			74568	56472	0	
_ n	S/E of Electric Water Cooler NESGAS made 65 ltr Capacity (Qutation Attached)	10	Each	61000	610000	10000		0	0	610000		
				Sub Total	1665171		Total	•	1021085	105505	749590	
		<u>-</u>		G-Total: -	4786563		G-Total	: -	4562-15	<del>-144689</del>	754366	-
	Add 3% (	Add 3% Contingency on all Items 56						<del>gency o</del> n t Item No	136865 138194	4341	22631	7
	•	G-Total: -			4930160		G-Tota	l: -	<del>4744671</del>	149030	776997	-
, 3	Heavy Electric Installation and Panel Room.								46990	22		



<u> </u>			-									
Sr. No.	Description	-		Rough cos				Rough co	ost Estimate er 2022)	Excess	Saving	Remarks
10.	· '	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
	Supply At Site, Fabrication, Installation, Testing, Commissioning And Connections Of Wires/Cables Of Distribution Boards Concealed Type To Be Installed On Site And Made Of Ms Sheet 16 Swg Degreased And Degusted, Zinc Phosphate, Finished With Electro-Static Powder Coating Of 15 Micron Thickness In Approved Colour With Hinged Door, Flexible Earthing Strip Lockable Handle, Catcher Earthing Bar Neutral Strip, Internal Wiring From Mcbs Terminating On Cable Terminal Blocks, Including Cost Of All Necessary Materials. All Dbs Mentioned Below Shall Have 3 Phase Indication Lamps Transformer Type Of Colour Red, Yellow, Blue And 1-Voltmeter Scaled 0-500 V. With Voltmeter Selector Switch Including All Incoming And Outgoing Breakers Manufactured By Siemens, Abb, Clipsal Or Approved Equal. Complete In All Respect And To The Instruction Of The Engineer In Charge.  Incoming: - 1 No: 600 Amps 3 Phase Adjustable Mccb With Overload And Short Circuit Protection, R.C. Not Less Than 25 Ka, With Additional 4 Copper Flats For Cable Connections On Incoming Side Of Mccb.  Outgoing: - 2 No: 400 Amps 3 Phase Adjustable Mccb With Overload And Short Circuit Protection	1	Each	450000	450000					0	450000	
2	Supply And Erection Of Sub Distribution Power Boards Concealed Type-To-Be-Installed On Site And Made Of Ms Sheet 16 Swg—Degreased And Degusted, Zinc Phosphate, Finished With Electro-Static Powder Coating Of 15 Micron Thickness In Approved Colour With Flexible Lockable Handle, Indication Lamps 1-Voltmeter Scaled 0-500 V. With Voltmeter Selector Switch Including All Incoming And Outgoing Breakers Of Approved Manufacturer Complete In All Respect As Approved And Directed By The Engineer Incharge.  Incoming: - 1 No: 400 Amps 3 Phase Adjustable Mccb With Overload And Short Circuit Protection Outgoing: - 6 Nos: Mccb Tp 200A 18Ka	4	Each	135900	543600					0	543600	

Sr. No.	Description	•	• •	l Rough cos Ist Decembe				Rough co	st Estimate er 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
3	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X24"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 8 No. Circuit Breaker 50 Amp D/P, 6 No. Circuit Breaker 20 Amp D/P, 3 No. Volt Meter, 1 No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	2	Each	61200	122400					0	122400	, t
4 *- 7	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X24"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 24 No. Circuit Breaker 11-20 Amp D/P, 3 No. Volt Meter, 1 No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	1	Each	69400	69400					0	69400	
5	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X30"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 24 No. Circuit Breaker 11-20 Amp D/P, 3 No. Volt Meter, 1 No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	2	Each	90600	181200				_	0	181200	
6	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X24"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 12 No. Circuit Breaker 11-20 Amp D/P, 3 No. Volt Meter, 1.No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	3	Each	52100	156300					0	156300	
7	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X24"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 6 No. Circuit Breaker 50 Amp D/P, 6 No. Circuit Breaker 20 Amp D/P, 3 No. Volt Meter, 1 No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	1	Each	56800	56800					0	56800	

		•						•				
Sr.	Description			l Rough cos 1st Decembe				Rough co	est Estimate er 2022)	Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
8	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X24"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 4 No. Circuit Breaker 50 Amp D/P, 8 No. Circuit Breaker 20 Amp D/P, 3 No. Volt Meter, 1 No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	3	Each -	55200	165600					0	165600	
9 • .	S/E Of Branch Distribution Board Consisting Of 16 Swg M/S Sheet Box 18"X24"X6" Duly Powder Coated I/C Cost Of 1 No. Circuit Breaker 125 Amp T/P, 4 No. Circuit Breaker 63 Amp D/P, 3 No. Volt Meter, 1 No. Ampair Meter, Selector Switch, Led Neon Lights Bus Bar (1-1/2"X1/8") 14" Thimbling At Connection Having Glass Complete In All Respect As Approved And Directed By The Engineer Incharge.	2	Each	43700	87400					0	87400	
10	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37/2.62 mm (37/0.103")	350	P. Mtr	12184.55	4264593		-			0	4264593	
-	Supply and erection of copper conductor cables for service		<u> </u>	·								
11	connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37/2.11 mm (37/0.083")	500	P. Mtr	8032.7	4016350	100 100000 1				0	4016350	
12	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/1.63 mm (19/0.064")	300	P. Mtr	2479.6	743880	i i			,	0	743880	
13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.63 mm (7/0.064")	200	P. Mtr	901.6	180320					0	180320	·
14	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.l. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.12 mm (7/0.044")	230	P. Mtr	451.8	103914					0	103914	

Sr. No.	Description		As per Approved Rough cost Estimate (1st July to 31st December 2021)  Oby Unit Pate Amount Oby Unit Bate Amount							Excess	Säving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
15	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 6" i/d (150 mm)	350	P. Mtr	2054.05	718918					0	718918	
16	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)	1230	P. Mtr	1044.1	1284243					0	1284243	
17	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.	7773	%0Cft	5755.2	44735					0	44735	

			<u> </u>					_				
ir.	Description			Rough cost		•		Rough cos	t Estimate r 2022)	Excess	Saving	Remarks
	·	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
18	Construction of Panel Room on Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 2021 (1st July 2021 to 31st Dec 2021) Rate (2327+118) = @ Rs. 2445 P. Sft	182	P. Sft	2445	444990	,			·	0	444990	
	*			Total: -	13634643			Total	0	0	13634643	
	Add 3% Contingency except Ite	m No. 1	13 on Rs. 1	3189653/-: -	395690						395690	
	(a			Total: -	14030333			Total			14030333	
4	Fixing of Razor Wire	4300	P.Rft	400	1720000					0	1720000	
5	Provision of Iron Spike on Boundary Wall	8600	P.Sft	650	5590000					0	5590000	
6	Provision of Tuff Pavers	13051	P.Sft	197	2571047		. 1		0	0	2571047	
7	External Waiting Area & Parking facility				•						-	
	Making And Fixing Fiber Glass Shed 2Mm Thick Made Of Fiber Glass Sheet Double Ply Fixed On Angle Iron For Truss Roofing 1-1/2"X1-1/2"X1/4" Welded With 9"X9"X1/4" Thick M.S Plate At Top And Bottom Of G.I Pipe 4" Dia And 11' High Embedded In Pcc 1:2:4 1-1/2X1-1/2X1-1/2 At Bottom I/C Rubber Packing & Silicone Filling, Painting 3 Coats Complete In All Respect As Approved And Directed By The Engineer Incharge.	4368	P.Sft	650	2839200		· · · · · · · · · · · · · · · · · · ·		0	0	2839200	
	,			Total: -	2839200	)		Total: -	0	0	2839200	
			Add 3% C	ontingency: -	85176	Ac	ld 3% C	ontingency:	0	0	85176	
				Total: -	2924376	,		Total: -	0	0	2924376	
	, -			Say: -	2924400			Say: -	0	0	2924400	
8	Sewerage Sysytem			_	į							
• 1	Construction of Manholes (5.5'x5.5' Size)	100	Each	51788	5178800	80	Each	35564	2845100	0	2333700	
2	Sewer Line 18" Dia.	3000	P.Rft	1535	4605000	3500	P.Rft	2212	7743000	3138000	0	
3	Construction of Septic Tank 36'x12'	2	Each	667400	1334800	2	Each	947768	1895535	560735	0	

r. o.	Description	•		l Rough cos 1st Decembe		-		l Rough co 1 Decembe	st Estimate er 2022)	Excess ·	Saving	Remarks
٠.	distribution of the	Qty-	Unit	-Rate -	-Amount -	— Qty —	- Unit -	- Rate -	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13
		<del>/?</del>		Total: -	11118600			Total: -	12483635			
9	Provision of Street Lights	1	P.Job	4084364	4084364				70400	0	4084364	
10	Fire Alaram System					1	P.Job	<del>-7684688</del>	7684668	7684668	0	,
11	Provision of ATS system and Panel Board					1	P.Job	<del>57875918</del>	57875916	<del>578759</del> 16	0	
12	Electric Panel Room (25*25)					625	Psft	3943	2464375	2464375	0	
		•		G.Total: -	116745937			Total: -	<u> 164761298</u>	48015361	0	
	Add	1% for	tree planta	tion charges	_1167459				-	- 0	1167459	
			Add 5% I	PST charges	5837297				<del>-823806</del> 5	2400768	0	
	Add Cost for WAPDA Transformer payable to IESCO	(increa		d capacity of rasnsformer				~	-35 <del>00000</del> -	1500000	0	
	Add Cost	for Sui	Gas payab	le to SNGPL	1000000					0	1000000	
	Grand Tota								1 <del>76499363</del>	49748670	0	
	Say								476499400	49749400	0	
		Rs.in M							<b>∠178.499</b>	49.749	0	

Sub Divisional Officer,
Buildings Sub Division
Attock

Buildings Division Attock

ROUGH COST ESTIMATE "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK FOR THE YEAR 2022-

Sr.	Description	Qty	Unit	Rate	Amount
10.	Dismantling glazed or encaustic tiles, etc	35293	%cft^	2335.85	824392
2	Dismantling cement concrete 1:2:4 plain.	4424	%cft	11174.6	494364
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone	4424	%sft	36753.3	1625966
4	aggregate) Ratio 1: 2: 4  Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm	,	Psft	340.35	12051113
5	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm	علاماه ا	P.Sft	340.35	<del>81</del> 95288 7647324
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	1/2 /	P.Sft	239.8 292.55	<del>\$66583</del> 1386394
7	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 12"x18"/12"x24"/10"x24"/8"x24"/12"x36"	1487	P.Sft	292.55 239.80	1785725 356983
8	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge Bevelled edges & flange 21.5 mm 600 mmX 600 mm		P.Sft	400]	9128
	• • • · · · · · · · · · · · · · · · · ·		2.04	546	117751
9	Supply and installation anti microbial Hygenic flooring (with ant bacterial agent ) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self tevelling adhesive as approved and directed by the Engineer Incharge Cementitious Urethane, Epoxy, Polyurethane, Urethane	3	P.Sft	516	117731
10	Previding and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire retrdent core made of Alpolic/Areca i/c the cost of base frame of !-1/2"X1 1/2" GI angle Iron at specified intervals filling the groove with Silipon and Hardwares as approved and directed by the Engineer Incharge. (i) 3 mm thick (Interior)	or of g y	P.Sft		804242
11	1	52	Each		91943
12	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thic Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thic commercial ply over 1" thick packing wood in style and rails under		P. Si		ge 128 _

 $\zeta_{\mathcal{V}}$ 

(A)

<b>3</b>	⁴.				
788000	840.00	. P. Sft	1200	Providing and fixing 27X2* Fishess Steel 14 SWG Corner Guard	30
	,,			lungto with pevelled comer and 0.8 mm band at edges duly pasted	- [
	t <sub>a</sub>		9	with promium grade, relicednsished blue steps with executent	. }
	•	1	Ì	hold/(double sided Tatle) to approved and directed by the Engineer Inchurge.	
					-,
277716 330488	20970	1325	10630	Cement pointing 1:2 flush on floor Providing, fixing, tasting and comprise oning of p-PVC (Unplasticated)	31
330400	440.65	пяч	750	Processing, wong, caung and compressioning or Prevo (unpassuazed Potyvinyl Chloride ) Niknell waste pipe make of Dadex (Popular/Detail	70
			1 1	or equiverent, plate /socket ended conforming to gode EN-1329 of	İ
1			• 4	specified SDR (Standard Dimension Ratio) including the cost of	-
	•		-	specials and Solvente contribe in all respect as approved and	j
	•	<u> </u>	<i>x</i>	directed by the Engineer Incharge Type (SDR 82.5/SH-8) 47(110 mm)	·
27428	543.55	PF.3	50 /	Proyumn and Installing PART, tents, of B.S.S. Class Bluvoking	T.F.
	00.070	1	100	וייסקטווון יטון וופנטווון אייני, ובפיטה, מו היטיס טובסם הייסיקוון וופנטווון אייני, ובפיטוו הייסקווון אייני, ובפיטוו אייני איי	-
41750	635	Each	00	Knurus on roof 2'x2'x5" (600 x 600 x 150 mm)	34
816722	1303.85	Patt	924	Providing and laying Propolithed Granito of especified thickness and	
		1		strade of full width of approved quality laid with adhesive bond over	
				344" thick (1/2) cement tand mortor bed complete in all respect as	
				approved and directed by the Engineer Incharge	
-2800200	1020.00	P.Sft	2010	Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of	35
1020000			0047	condited weltage and Luminous flux with Polyelyrane bowlerismetic	
			1	cover mide of Philips as approved and directed by the Engineer	
6300	1600	Ecch	350	Ificha de Lumens: 110 Lumn/Watt (i) 36 watt SE Of Skip Light (16 Wett) Of Approyed Manufacturer Complete In	37
0000	5501	1222	000	SE OF SWID LIGHT (15 YEAR) OF Approyed maintracturer complete in Ali Respect As Approved & Directed By The Engineer Inchange.	16
350507		1			
167675	335.35	∄श्रव ।	500	Providing and furing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of appelled guaga, size and depth duty wall	22
		]		and because it is a space of the control of the con	
		1		I've x1/8" and M3 path of 1-1/2"x3/16" size @ 5-ft C/C, hangers Vc	
	1	1		the cost of hardwares on approved and directed by the Engineer	
				incharge.163WG 473*	
40270	402.7	ग्रम्	100	"£x"ð, _ob	
102555	2032.5	विकार	332/	Cornert plates the opto 20" (6.00 min) height 4" (13 mm) thick vo	
30010		<b></b>		Removing coment or time planter.	
24305	147.3	NA-	105	Providing and the (3 mm) that 3" (75 mm) wide cluminium	14
	!		1	strip on horizental and vertical expansion Johns in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete	
	1	1	1	in all respects. On interior surface (without mastic artip)	
140250	281.25	PRR	520	Proxiting critisting 10" (250 mm) wide 12" (6 mm) thick rubber water	42
	1	1		stopper to expension joints of R.C.C. poor stab complete in all	
			1	receptor the Providing and fixing 6 in (160 mm), wide C.I. shoot the strength expension that	
894650	8170	Psft	145	18SVID ctopper to expansion joint Construction of Reception Counter Brick Masonry Structure 3.5'	73
	1		1	height from ground level consisting of markle granite and idichen	
			conzi	esbrit-22" darp with brock Complete in all Recoped.	
367.50	35 11	Pett	60688	Electric in size Ligon	.44
000	117	NL9	00085		
	1 1.1	1 1167	wyps	Public Health	Į Pi
##670343	-:letoT	•			-
1	-	2.5	32296	1C .	

ř D/d cost of Old Material H Old Doors with Chowkat 1500 78000 52 Each Ħ Old Windows H 179 Each 1000 179000 Electric cables (unservicable) 30000 P.Job 30000 11 Total (B): 287,000 Net Total (A-B): - 90998227 75982620 Add 3% Contingency: 2729947 for R1 62100 625 189301. Total: -93728174 77875638 <del>93728</del>000 Sup Divisional Officer **Executive Engineer** Building Sub Division Buildings Division, Attock Attock

. C:\Users\SYS\Desktop\BALANCE WORK DHQ ATTOCK

Pag

## ROUGH COST ESTIMATE "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL)

l	DISTRICT ATTOCK	FOR	THE	YEAR	. 2022	<b>!-23</b> "-		
Sr.	1	No		MEAUS	SERMEN	TS	Qty.	
No.	TEMOT VIOLET	1	<u>L_</u>	В		Н		$\vdash$
1_	Dismantling glazed or encaustic tiles, etc	->						
	GROUND FLOOR (OPD)	1	13.75	16	$\overline{}$		220 /	Sft
	UROLOGY OPD	1	11.75	16			188	Sft
<b></b> '	WELL FARE	1	11.75	16			/188	Sft
<u>'</u>	BLOOD BANK	<del></del>	11.75	16	+		188	Sft
'	BLOOD BAN	1 1	11.75	16			188	Sft
Ĺ`	BLOOD BANK	1 1	11.75	16	<del></del>		188	Sft
	Room	1_1_	<del></del>	9.75	<del>                                     </del>			Sft
	POLICE CH 1	1	13.75	9.75				Sft
	Room	$\perp$ _ $\perp$ _	15	16	-	<del>/</del>	320	Sft
	Room	1_1_	20		<del>                                     </del>	<del>/</del> +	12	Sft
	Bath	1	3	4	<del>/</del>	,	12	Sft
	<u> </u>	1_1_	3	4	<del>- / -  </del>	/ <del>+</del>	20	Sft
		1	4	5.	<del>  / </del>	<del>,+</del>	98	Sft
	i	1	9.75	10	<del>  </del>	<b>,+</b>	25	Sft
ļ. —	!	11	5	5 /	<b>↓</b>	<del></del> +	183	Sft
	WELL FARE	1	15.25	1,2'	<b>↓</b>	<b>├──</b> ──	225	Sft
<del> </del>		1	15	/15	<del>                                     </del>	<del></del>	107	Sft
<u> </u>	X-RAY ROOM	1	14.75	7.25	<b>↓</b> _	<del></del>	48	Sft
<del>                                     </del>	X-RAY ROOM	1_	9 /	5.33	<b></b>	<b></b>	237	+
<u> </u>	X-RAY ROOM	1	19 <i>7</i> /5	12	<b></b>	<del></del>	237	Sft_
-	X-RAY ROOM	Ų	19.75	12	<u> </u>	<b></b>		Sft
<del> </del>	DARK ROOM	1	/ 8	9.25		<del></del>	<del></del>	Sft_
<u> </u>	OFFICE	1 X	7.75	0.25	<u> </u>	<del></del>	2	Sft
<u> </u>		,1	\ 13.5	10.75	<u> </u>	<del></del>	145	Sft
<u> </u>	ENT OPD	/1	13.5	12.5	<u></u>	<del></del>	169	Sft
	UROLOGY O[PD	1	8.	6			48	Sft
<u> </u>	BATH	1	100	8	Γ		800	Sft
<u> </u>	CORRI	1	8	10			80	Sft_
<u> </u>	WAITING ROOM	1	8	16	<b>1</b>		128	Sft
<u> </u>	GUEST ROOM	1	7	7.75	<b>†</b>		54	Sft
<u></u>	KITCHEN	+	18	12,	†		216	Sft
<u></u>	MS OFFICE 1	1	18	12	<del> </del>		216	Sft
<u>_</u>	A.M.S OFFICE	1 1	6	8	4	<u> </u>	48	Sft
	BATH	+ 1	6	8	7		48	Sft
	BATH	1	10	10	+	<del></del>	100	Sft
		1	15	18	+->	<del> </del>	270	Sft
<u>.                                    </u>	WAITING ROOM	1	12.5	18.5	+-	<del> </del>	231	Sft
	STORE		18	18.5	+	1	324	Sft
	ROOM	$\frac{1}{1}$	12.5	18.5	+	<del> </del>	231	Sft
	CLERK OFFICE	1 1		+	+	+	245	Sft
	OFFICE /	1 1	13.25	18.5	+	+ \	64	Sft
	MQIN OFFICE	1_1_	8		+	+-\-	288	Sft
	/	1	16	18	<del></del>	+	320	Sft
	CORRI	1_1_	40	8	+	+	560	Sft
-	/	1	70	8	<del></del>	+	800	Sft
-	CORI	111	100	8_	+	<del>+</del>	<del></del>	+
<b> </b>	WARDS		<del></del> _	<del></del>	<del></del>	<del> </del>	48	Sft
<b> </b>	STORE	11	8_	6	<del></del>	<del></del>	300	Sft
-	ROOM	11	20	15_		<del> </del>	64	Sft
<b> </b>	ROUNI	1	8	8		<del></del>	120	Sft
-		1	8	15_		<del></del>	120	Sft
<b> </b>	STORE STORE	1	8	15			2112	
<b> </b>	NURSING ROOM	2	22	48		<u> </u>		Sft
$\vdash$	MALE WARD	1	8.5	9.5		<u> </u>	81	Sft
<b> </b>	ROOM	1	8	.15		Pag	13 <sup>1</sup> 20	Sft
		_					1 162	ICE

REGESTERATION

e-	1		_	Otv				
Sr. No.	ITEM OF WORK	No	1	Qty.	(			
		1	3.75	B	· ·	. н	15	5
_	TOILET						15	Ş
	TOILET	1	3.75	4			15	٠.
	TOILET	1	3.75	4				ķ
	N1-H1 ROOM	1	14	<b>13</b> .75			193/	Ŀ
	N1-H1 ROOM	1	12	13.75			165	ŀ
	TI-III ICOM	1	18	.15			<b>/</b> 270	ŀ
		1	100	8		<del></del>	/ 800	Ī
	CORRI						400	t
		1	50	8			400	٠
		1	50	8				ļ
		1	70	8			560	ļ
		1	80	8			640	l
_	STORE	1	9.25	20			185	l
		1	9.25	20		/	185	I
_	STORE	-	9.25	9.25		·	86	Ì
	STORE \	1					86	t
	STORE	1	9.25	9.25	_/		86	٠
	STORE	1	9.25	9.25		<del></del>		ļ
	S.ROOM \	1	11.5	29.5 /			339	ļ
	ROOM	1	20	12/			240	ļ
_		1	20	28			560	l
_	GAS CYLINDER ROOM	1	20	<i>i</i> 20			400`	1
	ROOM		-				640	t
		1	80	/ 8		<del></del>	120	Ì
	STORE	1	10 /	12			2112	+
	FEMALE WARD	` 2 _	22/	48				╽
	NURSING ROOM	\1	,8	15			120	ļ
_		<u> 1</u>	/8.5	9			77	l
	ROOM	1	14	22.5			315	I
	PATIENT ROOM	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14	15			210	1
	PATIENT ROOM	1/					180	t
	PATIENT ROOM	<u> </u>	12	15			80	٠
	Bath	/4	\ 5	4				1
	ROOM	/ 1	`12	4.25			51	ļ
	S.H/	3	5\	3.5			53	ļ
		1	100	8		3	800	
	COR	2	50	8			800	Ī
			12	16.625			200	1
	E.C.G ROOM /	1					120	1
	BATH/	4	6	\5			264	1
	WASHING /	1	22	12				-
	STORE /	1	23 _	24.75			569	
	WAITING AREA	1	16.75	12	· .		201	
	<del></del>	1	16.5	12			198	l
	DR OFFICE		8.25	8	\		66	1
	Bath /	1			<del>\                                    </del>	<del>                                     </del>	390	-
	OPD ROOM	1	24	16.25	<del>  \                                   </del>		390	
	/	11	24	16.25	<del></del>			
_	BATH /	1	8.25	7.85	$oxed{oxed}$		65	-
_	MINOR OT	1	16.3	14	\		228	_
	<del></del>	1	11.887	16.5		<u> </u>	196	
	LAB	1	11.887	16.5			196	
_		-	11.887	16.5	<u> </u>		196	
		1			<del> </del>	<del>  \</del>	128	1
_	DR OFFICE	2	8	8	<del>                                     </del>	<del>  \                                   </del>	272	-
	LAB	1	16.5	16.5	<b> </b>	<del>                                     </del>	72	4
	DISABLED TOILET	1	9.5	7.625	<b></b> _	<del>                                     </del>		_
	GURNEYAREA	1	19.5	15.25			297	_
		1	15	10		<u> </u>	150	
	STAIR HALL	1	25.25	20.25		/	511	
	C/T/ŚCAN ROOM	1	7	9.625			67	
	ØPERATING ROOM				<del>                                     </del>	<del> </del>	\ 21	-
7	ups	11	5.25	4	<b>├</b> ──	<del> </del>	360	_
7	ROOM	1	20	18	<u> </u>	<b></b>	<del></del>	_
		1	17	18	<u></u>	<u></u>	306	_
		1	5.25	5.25			28	_
	RECORD ROOM	+	10	10			100	_
	CASH COUNTER	11		18.33	<del>                                     </del>		390	7
	specialized care	1	21.25		<del>                                     </del>	D.	ge <b>29</b> 4	
	GURNEY AREA	1	19.5	15.25			720	_

		1						
Sr.		No	MEAUSERMEN				Qty.	(3
No.		1	12	12	<u> </u>	H	144	Sft
	Lav. Block Wash Room	7	10.5	12	<del> , ,</del>		126	Sft
	Burn Ward	1	23.875	21		,	501	Sft
	Waiting Room	1	22	19.25			424	Sft
	C.C.U.	2	20	20			800	Sft
	M.O. Room	1	15	12			180	Sft Sft
	Paintry	1	15	8 20.375			120 408	Sft
	ICU	1	20 7	8.75	<del></del>		61	Sft
	Nursing Station	1	8.75	7.25			63	Sft
	NEO Natal Nursry	1	16/	20			320	Sft/
	Corridor	1	42.25	8			338	Sft
		. 1/	49.875	8			399	Sft
		7	40	14	. ,,		560 384	Sft
	Lav Błóck	2	12	16	<del></del>	Total	35293	Sft
			<u></u>			Itokai	30290	Sπ
	Dismantling cement concrete 1:2:4 plain.	4	12.75	16	0.125		28	Sft
	UROLOGY OPD	1	13.75		0.125		24	Sft
	WELL FARE .	1	11.75	16	0.125		24	Sft
	BLOOD BANK	1	11.75	16	0.125		24	Sft
	BLOOD BAN	1	11.75	16	0.125		24	Sft
	BLOOD BANK	1	11.75	16			24	+
	Room	1	11.75	16	0.125		17	Sft
	POLICE CH	1	13.75	9.75_	0.125		30	Sft
	Room	1	15	16	0.125			Sft
	Room	1	20	16	0.125		40	Sft
	Bath	1	3	4	0.125	* ;	2	Sft
		1	3	4	0.125		2	Sft
		1	4	5	0.125 <sup>†</sup>		3	Sft
		1	9.75	10	0.125	1 .	12	Sft
		1	5	5	0.125		3	Sft
	WELL FARE	1	15.25	12	0.125		23	Sft
		1	15	15	0.125		28	Sft
	X-RAY ROOM	1 '	14.75	7.25	0.125		13	Sft
	X-RAY ROOM	1	9	5.33	0.125		6	Sft
_	X-RAY ROOM	1	19.75	12 ′	0.125		30	Sft
-	X-RAY ROOM	1	19.75	12	0.125		30	Sft
_	DARK ROOM	1	8	9.25	0.125		.9	Sft
	OFFICE	1	7.75	0.25	0.125		00	Sft
	ENT OPD	1	13.5	10.75	0.125		18	Sft
	UROLOGY O[PD	1	13.5	12.5	0.125		21	Sft
		1	8	6	0.125		6	Sft
	BATH	1	100	8	0.125		100	Sft
	CORRI	1	. 8	10	0.125		10	Sft
	WAITING ROOM	1	8	16	0.125		16	Sft
	GUEST ROOM	1	7	7.75	0.125		7	Sft
	KITCHEN	1	18	12	0.125		27	Sft
	MS OFFICE 1	1	18	12	0.125		27	Sft
	A.M.S OFFICE	1	6	8	0.125		6	Sft
	BATH	1	6	8	0.125		6	Sft
	BATH		10	10	0.125		13	Sft
		1	15	18	0.125		34	Sft
	WAITING ROOM	1		18.5	0.125		29	Sft
	STORE	1	12.5	18.5	0.125		41	Sft
	ROOM	11	18		0.125		29	Sft
	CLERK OFFICE	1	12.5	18.5	0.125	<del></del>	31	Sft
	OFFICE	1	13.25	18.5	0.125		8	Sft
	MQIN OFFICE	1	8	8	0.125	<del></del>	36	Sft
		1	16	18		<del> </del>	40	Sft
	CORRI	1	40	8	0.125		70	Sft
		1	70	8	0.125	<del></del>	100	Sft
<del></del>	CORI	11	100	8	0.125		100	1011
	WARDS	ļ		<b></b> _		<u> </u>		05
	STORE	1	8	6	0.125	Pe	ge 136	Sft
	POOM	1	20	15	0.125		30	Sft

I ITEM OF WORK	No		ITS	Qty.			
TEMOT WORK		L	B	0.125	Н	264	Ť
MALE WARD	2	22	48	↓	<u></u>	10	S
ROOM	1	8.5	9.5	0.125			S
REGESTERATION	1	8	15	0.125		15	S
STORE 1	11	19	8	0.125		19	<u> S</u>
PATIENT ROOM	11	9.75	12	0.125		15	S
MAIN REGE I	1	9.75	12	0.125		15	S
TOILET ]	1	3.75	4	0.125		2	<u> S</u>
TOILET	1	3.75	4	0.125		2	S
TOILET	1	3.75	4	0.125		2	9
TOILET	1	3.75	4	0.125		2	5
N1-H1 ROOM	1	14	13.75	0.125		24	1
N1-H1 ROOM	1	12	13.75	0.125		21	15
NI-FIT ROOM	1	18	15	0.125		34	7
CORRI	1	100	8	0.125		100	1
CORRI	1	50	8	0.125		50	1
	$\frac{1}{1}$	50	8	0.125		50	1
	<del></del>	70	8	0.125		70	1
	_   1			0.125		80	1
j	1	80	8	0.125	-	23	- 1
STORE 1	1	9.25	20			23	- 13
STORE	1	9.25	20	0.125		11	-
STORE ]	1	9.25	9.25	0.125		1	-
STORE I	1	9.25	9.25	0.125		11	_{
STORE 1	1	9.25	9.25	0.125		11	4
S.ROOM :	1	11.5	29.5	0.125		42	4
ROOM	1	20	12	0.125		30	4
GAS CYLINDER ROOM	1	20	28	0.125		70	_!:
ROOM	1	20	.20	0.125		50	_!:
NOW.	1	80	8	0.125		80	
etops	1	10	12	0.125	_	15	٦;
STORE	2	22	48	0.125		264	٦;
FEMALE WARD	1	8	15	0.125		15	7
NURSING ROOM	1	8.5	9	0.125		10	1
ROOM	$\frac{1}{1}$	14	22.5	0.125		39	7
PATIENT ROOM	1	14	15	0.125		26	1:
PATIENT ROOM	1	12	15	0.125		23	1
PATIENT ROOM			4	0.125		10	1
Bath	4	5		0.125		6	T;
ROOM	1	12	4.25	0.125		7	1
S.H	3	5	3.5			100	1;
COR	1	100	8	0.125	<del></del>	100	-
	2	50	8	0.125			4
E.C.G ROOM	1	12	16.625	0.125		25	-
BATH	4	6	5	0.125		15	-
WASHING	1	22	12	0.125		33	4
STORE	1	23	24.75	0.125		71	_[:
WAITING AREA	1	16.75	12	0.125		25	_!
DR OFFICE	1	16.5	12	0.125		25	4
Bath	1	8.25	8	0.125		8	_
	1	24	16.25	0.125		49	_
OPD ROOM	1	24	16.25	0.125		49	
	$-\frac{1}{1}$	8.25	7.85	0.125		8	
BATH	1	16.3	14	0.125		29	
MINOR OT	$-\frac{1}{1}$	11.887	16.5	0.125		25	
LAB I	<u> </u>	11.887	16.5	0.125		25	
<u> </u>	1	11.887	16.5	0.125		25	1
		8	8	0.125		16	
DR OFFICE		<del></del>	16.5	0.125	<del></del>	34	1
LAB	1	16.5		0.125	<del></del>	9	┪
DISABLED TOILET	1	9.5	7.625	0.125	<del></del>	37	+
GURNEY AREA	1	19.5	15.25	0.125	<del> </del>	19	+
<del></del>	1	15	10		ļ <del>_</del>		-
STAIR HALL		7	I	1 / 175		64	
STAIR HALL  C/T SCAN ROOM	1 1	25.25 7	20.25 9.625	0.125 0.125		64 age 188	+

 $\nabla'$ 

								يح
Sr.	ITEM OF WORK	No	<u> </u>		SERMEN	ITS H	Qty.	•
10.	<u>                                   </u>	1	10	10	0.125	п	13	Sf
	CASH COUNTER	+	21.25	18.33	0.125	<del></del>	49	Sf
	specialized care	1 1	19.5	15.25	0.125	<del></del>	37	Sf
	GURNEY AREA	1 -	90	8	0.125	<del> ,</del>	90	Sf
	CORRI	1	90		0.125	<del></del>	0	Sf
	CCU /BURN UNIT F.F	1	12	16	0.125	· · · · · · · · · · · · · · · · · · ·	24	Sf
	Lady Doctors / Nurses Change Stair Hall	1 1	12	16	0.125		24	Si
_	Lav. Block	1 1	12	12	0.125		18	Sf
	Wash Room	1	10.5	12	0.125		16	Si
	Burn Ward	1	23.875	21	0.125		63	S
1	Waiting Room	11	22	19.25	0.125		53	S
	C.C.U.	2	20	20	0.125	<del></del> -	100 23	S
	M.O. Room	1 1	15 15	12 8	0.125 0.125		15	S
	Paintry	1 1	20	20.375	0.125	<del></del>	51	Īš
	ICU Nursing Station	+ - 1	7	8.75	0.125		8	s
	Nursing Station	1 1	8.75	7.25	0.125		8_	s
_	NEO Natal Nursry	1_	16	20	0.125		40	S
	Corridor	1	42.25	8	0.125		42	S
_		1	49.875	8	0.125	<u></u>	50	S
		1	40	14	0.125	ļ	70 48	S
	Lav Block I	2	12_	16	0.125	Total	4424	5
	)	ting finish	ing and a	Suring con	nlete (in			╅
3	Cement concrete plain including placing, compact	ting, tinisi	iing and c	uning con	ibiere (ii	cidding solecin	9 44	
_	washing of stone aggregate) Ratio 1: 2: 4	<del>.</del>		· ·			4424	10
	Same Qty as Item No. 2	4424	<del> </del>			Total: -	4424	To
	Providing and laying superb quality Porcelain gla	ما المام الم	poring of	MARTED	brand of			┿
4	for finishing the joints i/c cutting grinding complet Incharge Full body Glazed tiles 600mmx 600 mm	e in all res	pect as a	ipproved a	ina anec	ica by the Engl		
		I					_	
_	GROUND FLOOR (OPD)	1	13.75	16			220	s
	UROLOGY OPD	1 1	13.75	16 16		,	220 188	_
	WELL FARE	1	11.75	16				s
	UROLOGY OPD WELL FARE BLOOD BANK	1	11.75 11.75	16 16			188	s
	UROLOGY OPD WELL FARE BLOOD BANK BLOOD BAN	1 1 1	11.75 11.75 11.75	16 16 16			188 188	S
	UROLOGY OPD WELL FARE BLOOD BANK BLOOD BAN BLOOD BANK	1 1 1 1	11.75 11.75 11.75 11.75	16 16 16 16			188 188 188	S
	UROLOGY OPD WELL FARE BLOOD BANK BLOOD BAN BLOOD BANK Room	1 1 1 1	11.75 11.75 11.75 11.75 11.75	16 16 16 16 16			188 188 188 188	S
	UROLOGY OPD WELL FARE BLOOD BANK BLOOD BAN BLOOD BANK	1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75	16 16 16 16 16 9.75			188 188 188 188	5 5 5 5
	UROLOGY OPD WELL FARE BLOOD BANK BLOOD BAN BLOOD BANK Room	1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15	16 16 16 16 16 9.75			188 188 188 188 188 134	9 9 9 9
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BAN  BLOOD BANK  Room  POLICE CH	1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20	16 16 16 16 16 9.75 16			188 188 188 188 188 134 240 320	5 5 5 5 6 6
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room	1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25	16 16 16 16 16 9.75 16 16			188 188 188 188 188 134 240 320 183	S S S S S S S S S S S S S S S S S S S
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room	1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25	16 16 16 16 16 9.75 16 16 12			188 188 188 188 188 134 240 320 183 225	S S S S S S S S S S S S S S S S S S S
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room	1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15	16 16 16 16 9.75 16 16 12 15 7.25			188 188 188 188 188 134 240 320 183 225 107	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE	1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33			188 188 188 188 188 134 240 320 183 225 107 48	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM	1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9	16 16 16 16 9.75 16 16 12 15 7.25 5.33			188 188 188 188 188 134 240 320 183 225 107 48	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM	1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12			188 188 188 188 188 134 240 320 183 225 107 48 237	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM	1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25			188 188 188 188 188 134 240 320 183 225 107 48 237 237	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM	1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25			188 188 188 188 188 134 240 320 183 225 107 48 237 237 74	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  DARK ROOM  OFFICE	1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25			188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD	1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25			188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5			188 188 188 188 188 188 134 240 320 183 225 107 48 237 237 74 2 145 169 800 80	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 13.5	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  I GUEST ROOM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 100 8	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 13.5	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54 216	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 14.75 9 19.75 19.75 8 7.75 13.5 100 8 8 7	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75			188 188 188 188 188 188 134 240 320 183 225 107 48 237 237 74 2 145 169 800 80 128 54 216 216	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 100 8 8 7 18	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54 216	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 8 7.75 13.5 13.5 100 8 8 7 18 18	16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12			188 188 188 188 188 188 134 240 320 183 225 107 48 237 237 74 2 145 169 800 80 128 54 216 216	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 100 8 8 7 18 18 18 15 12.5	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12 18 18.5			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54 216 216 270	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 100 8 8 7 18 18 18 15 12.5 18	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12 18 18			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54 216 216 270 231	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM  STORE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 100 8 8 7 18 18 15 12.5 18 12.5	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12 18 18 18.5			188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54 216 216 270 231 324 231	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM  STORE  ROOM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 13.5 13.5 100 8 7 18 18 18 15 12.5 18 12.5	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12 18 18.5 18			188 188 188 188 188 188 134 240 320 183 225 107 48 237 237 74 2 145 169 800 80 128 54 216 216 270 231 324 231 360	
	UROLOGY OPD  WELL FARE  BLOOD BANK  BLOOD BANK  Room  POLICE CH  Room  Room  WELL FARE   X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM  STORE  ROOM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 19.75 13.5 100 8 7.75 13.5 100 8 18 18 15 12.5 18 12.5 20 13.25	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12 18 18.5 18			188 188 188 188 188 188 188 134 240 320 183 225 107 48 237 74 2 145 169 800 80 128 54 216 270 231 324 231 360 245	
	UROLOGY OPD  WELL FARE BLOOD BANK BLOOD BANK ROOM POLICE CH ROOM ROOM WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM KITCHEN MS OFFICE 1 A.M.S OFFICE ROOM CLERK OFFICE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.75 11.75 11.75 11.75 11.75 11.75 13.75 15 20 15.25 15 14.75 9 19.75 19.75 8 7.75 13.5 100 8 7 18 18 18 15 12.5 18 12.5	16 16 16 16 16 9.75 16 16 12 15 7.25 5.33 12 12 9.25 0.25 10.75 12.5 8 10 16 7.75 12 12 18 18.5 18		P	188 188 188 188 188 188 134 240 320 183 225 107 48 237 237 74 2 145 169 800 80 128 54 216 216 270 231 324 231 360	

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Sr.			MEAUSERMENTS							
31. 10.	ITEM OF WORK	No	L	E		Н	Qty.	•		
10.	WARDS					•				
	STORE	1	8	6			48	Sf		
	ROOM !	1	20	15	<u> </u>		300	Sf		
	ROOM	1	8	8			64	Sf		
	STORE	1	8	15	<del></del>		120	Sf		
	STORE	1	8	15			120	Sf		
	NURSING ROOM }	2	22	48			2112	Sf		
	MALE WARD :			9.5			81	Sf		
	ROOM	1	8.5			[	120	Sf		
	REGESTERATION	1	8	15			152	Sf		
	STORE	1	19	8			117	SI		
	PATIENT ROOM	1	9.75	12			117			
	MAIN REGE	1	9.75	12		<u> </u>	193	S		
	N1-H1 ROOM	11	14	13.75				S		
	N1-H1 ROOM	1	12	13.75			165	S		
		1	18	15			270	S		
	CORRI	1	100	8			800	S		
		1 _	50	8			400	s		
		1	50	8			400	S		
		1	70	8			560	S		
		1	80	8			640	S		
	STORE	1	9.25	20			185	s		
	STORE	1	9.25	20		-	185	S		
_	(***	1	9.25	9.25			86	s		
_	STORE	1	9.25	9.25			86	s		
_	STORE	1	9.25	9.25			86	s		
	STORE	1	11.5	29.5			339	s		
	S.ROOM			12	<del></del>		240	S		
_	ROOM	1	20				560	s		
	GAS CYLINDER ROOM	1	20	28			400	s		
	ROOM	1	20	20			640	S		
		1	80	8			120	S		
	STORE	1	10	12			2112	-		
	FEMALE WARD	2	22	48				S		
	NURSING ROOM	1	8	15			120	S		
	ROOM	1	8.5	9			77	S		
	PATIENT ROOM	1	14	22.5			315	Įs		
	PATIENT ROOM	1	14	15			210	S		
	PATIENT ROOM	1	12	15			180	5		
_	ROOM	1	12	4.25			51	S		
_	S.H	3	5	3.5			53	S		
	•	1	100	8			800	S		
	COR	2	50	8			800	[5		
_		1	12	16.625			200	S		
_	E.C.G ROOM	1	22	12	<del></del>		264	Ś		
_	WASHING	1	23	24.75			569	Īs		
_	STORE	1	16.75	12			201	S		
	WAITING AREA	1	16.73	12		<del></del>	198	15		
	DR OFFICE						390	S		
	OPD ROOM	1	24	16.25			390	15		
		1	24	16.25	<u> </u>		65	5		
	ватн	1	8.25	7.85			228	9		
	MINOR OT	1	16.3	14			196	_		
	LAB	1	11.887	16.5	<u> </u>	ļ		5		
		1	11.887	16.5	<u></u>	<u> </u>	196	15		
		1	11.887	16.5		ļ	196	15		
	DR OFFICE	2	8	8			128	15		
	LAB i.	. 1	16.5	16.5			272	3		
_		1	9.5	7.625			72	!		
	DISABLED TOILET	1	19.5	15.25	Ī		297	5		
_	GURNEY AREA I	1	15.5	10			150	5		
	STAIR HALL	1	25.25	20.25	<del>                                     </del>		511	5		
	C/T SCAN ROOM	1	7	9.625	<del>                                     </del>	<del>                                     </del>	67	5		
	OPERATING ROOM		<del></del>	4	<del> </del>	<del>                                     </del>	Page <b>24</b> 2	S		
	ups	1_	5.25	4	<del> </del>	<del> </del>	360	٥		

_		<del></del> .					(S)	
Sr.	ITEM OF WORK	No		MEAUS	SERMEN	NTS H	Qty.	
lo.		1	21.25	18.33		<u> </u>	390	Si
	specialized care	1	19.5	15.25			297	St
	GURNEY AREA CORRI	1	90	8			720	Si
_	CCU /BURN UNIT F.F	<del></del>	<del> </del> -					T
-	Lady Doctors / Nurses Change	1	12	16				
	Stair Hall	1	12	16	•		192	S
	Lav. Block	1	12	12			144_ 126	S
	Wash Room	1 1	10.5 23.875	1 <u>2</u> 21			501	s
_	Burn Ward Waiting Room	1 1	22	19.25		· · · · · · · · · · · · · · · · · · ·	424	Š
	C.C.U.	2	20	20			800	S
	M.O. Room	11	15	12			180	S
	Paintry	1 1	15_	8			120 408	S
_	ICU	1 1	20 7	20.375 8.75			61	Ts
_	Nursing Station	1	8.75	7.25		<del></del>	63	Ŝ
-	NEO Natal Nursry	<del>  i</del>	16	20			320	s
		1	20	18			360	S
_		1_	18	18			324	S
	Corridor	1	42.25	88			338 399	S S
_		1 1	49.875 40	14			560	S
_	Lav Block	1 2	12	16			384	S
_	Providing and laying superb quality Porcelain gla					Total	35408	S
-	joints, cutting grinding complete in all respect as Glazed Tile 600mm x600 mm	approved	and direc	ted by the	Enginee	a incharge Ful		+
	GROUND FLOOR (OPD)	<del> </del> 2	(13.8+	16)	0.50		30	15
	UROLOGY OPD	- 2	(11.8+	16)	0.50		28	9
_	WELL FARE	2	(11.8+	16)	0.50		28	S
_	BLOOD BANK	2	(11.8+	16)	0.50		28	s
	BLOOD BAN		<del></del>				28	+
			1/11 Ox	1 461	1 (1) 5(1)		1 20	-1.7
	BLOOD BANK	2	(11.8+	16) 16)	0.50		28	_
	Room	2	(11.8+	16)	0.50			S
	POLICE CH	2 2	(11.8+ (13.8+	16) 9.75)	0.50 0.50		28	9
	Room POLICE CH Room	2 2 2	(11.8+ (13.8+ (15+	16) 9.75) 16)	0.50 0.50 0.50		28 24	9
	Room POLICE CH Room Room	2 2 2 2	(11.8+ (13.8+ (15+ (20+	16) 9.75) 16) 16)	0.50 0.50 0.50 0.50		28 24 31	9 9 9
	Room POLICE CH Room	2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+	16) 9.75) 16) 16) 12)	0.50 0.50 0.50		28 24 31 36	0) 0) 0)
	Room POLICE CH Room Room WELL FARE	2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+	16) 9.75) 16) 16) 12) 15)	0.50 0.50 0.50 0.50 0.50		28 24 31 36 27	0) 0) 0) 0)
	Room POLICE CH Room Room WELL FARE X-RAY ROOM	2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+	16) 9.75) 16) 16) 12) 15) 7.25)	0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM	2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33)	0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM	2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12)	0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM X-RAY ROOM	2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM	2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE	2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (8+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD	2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (8+ (7.75+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (8+ (7.75+ (13.5+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM GUEST ROOM	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ 100 (8+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM GUEST ROOM KITCHEN	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (18+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM KITCHEN MS OFFICE 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ 100 (8+ (8+ (7+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM GUEST ROOM KITCHEN MS OFFICE 1 A.M.S OFFICE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ 100 (8+ (8+ (7+ (18+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396	
	Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75) 12) 12)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM KITCHEN MS OFFICE 1 A.M.S OFFICE WAITING ROOM STORE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 6 14) 16) 7.75) 12) 12) 18)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36	
	Room POLICE CH Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM KITCHEN MS OFFICE 1 A.M.S OFFICE WAITING ROOM STORE ROOM	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (18+ (18+ (18+ (15+ (12.5+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75) 12) 12) 18)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36 31	
	Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE  WAITING ROOM  STORE  ROOM  CLERK OFFICE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ 100 (8+ (8+ (7+ (18+ (18+ (15+ (12.5+ (18+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75) 12) 12) 18) 18.5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36 31 36	
	Room  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM  STORE  ROOM  CLERK OFFICE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (18+ (18+ (18+ (18+ (15+ (12.5+ (12.5+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75) 12) 12) 18) 18.5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36 31 36 31 32 16	
	Room  POLICE CH  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE  WAITING ROOM  STORE  ROOM  CLERK OFFICE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (18+ (18+ (18+ (12.5+ (12.5+ (13.3+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75) 12) 12) 18) 18.5) 18.5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36 31 36 31 32 16 272	
	Room POLICE CH Room Room Room WELL FARE  X-RAY ROOM X-RAY ROOM X-RAY ROOM DARK ROOM OFFICE ENT OPD UROLOGY O[PD CORRI WAITING ROOM GUEST ROOM KITCHEN MS OFFICE 1 A.M.S OFFICE WAITING ROOM STORE ROOM CLERK OFFICE MQIN OFFICE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (18+ (18+ (15+ (12.5+ (12.5+ (13.3+ (8+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 6 14) 16) 7.75) 12) 12) 18) 18,5) 18,5) 18,5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36 31 32 16 272 480	
	Room  Room  Room  WELL FARE  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  X-RAY ROOM  DARK ROOM  OFFICE  ENT OPD  UROLOGY O[PD  CORRI  WAITING ROOM  KITCHEN  MS OFFICE 1  A.M.S OFFICE  WAITING ROOM  STORE  ROOM  CLERK OFFICE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(11.8+ (13.8+ (15+ (20+ (15.3+ (15+ (14.8+ (9+ (19.8+ (19.8+ (19.8+ (13.5+ (13.5+ (13.5+ (13.5+ (13.5+ (18+ (18+ (18+ (12.5+ (12.5+ (13.3+ (12.5+ (13.3+ (12.5+ (16+	16) 9.75) 16) 16) 12) 15) 7.25) 5.33) 12) 12) 9.25) 0.25) 10.75) 12.5) 6 14) 16) 7.75) 12) 12) 18) 18.5) 18,5) 18,5)	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50		28 24 31 36 27 30 22 14 32 32 17 8 24 26 1200 176 24 15 30 30 396 31 36 31 36 31 32 16 272	

	ITEM OF WORK STORE	No 2	L	MEAUS B	SERMEN	ITS H	Qty.	
		2						
			(8+	15)	0.50		23	Sft
	NURSING ROOM	2	(8+	15)	0.50		23	Sf
1		: 4	(22+	48)	0.50		140	Sf
_	MALE WARD	2	(8.5+	9.5)	0.50		18	Sf
!	ROOM	2	(8+	15)	0.50		23	Sf
T	REGESTERATION	2	(19+	8)	0.50		27	Sf
+	STORE	2	(9.75+	12)	0.50		22	Sf
_	PATIENT ROOM		(9.75+		0.50		22	S
4	MAIN REGE	2	+	12)	0.50	-,	28	Si
4	N1-H1 ROOM	2	(14+	13.75)			26	S
!ٰ	N1-H1 ROOM	2	(12+	13.75)	0.50		33	S
ightharpoonup		2	(18+	15)	0.50		1200	S
	CORRI	2	100	6			600	+
		2	50	6			600	S
		2	50	6	· .			S
T		2	70	6			840	S
7		2	80	6			960	S
_	STORE	2	(9.25+	20)	0.50		29	S
-+	STORE	2	(9.25+	20)	0.50		29	S
_	STORE	.2	(9.25+	9.25)	0.50		19	S
$\dashv$		. 2	(9.25+	9.25)	6.00	,	222	S
$\boldsymbol{\tau}$	STORE	2	(9.25+	9.25)	0.50		19	s
$\dashv$	STORE	2	(11.5+	29.5)	0.50		41	s
-+	S.ROOM	2	(20+	12)	0.50		32	s
$\overline{}$	ROOM		+	<del> </del>	0.50		48	s
	GAS CYLINDER ROOM	2	(20+	28)			480	s
!	ROOM	2	(20+	20)	6.00		960	s
$\perp$		2	80	6			22	s
	STORE	2	(10+	12)	0.50			_
T	FEMALE WARD	2	(22+	48)	0.50		70	<u> s</u>
	NURSING ROOM	2	(8+	15)	0.50		23	S
ヿ	ROOM	2	(8.5+_	9)	0.50		18	S
_	PATIENT ROOM	2	(14+	22.5)	0.50		37	<u> S</u>
$\overline{}$	PATIENT ROOM	2	(14+	15)	0.50		29	S
-+	PATIENT ROOM	2	(12+	15)	0.50		27	S
_		2	(12+	4.25)	0.50		16	s
_		6	(5+	3.5)	0.50		26	S
_	S.H	2	100	6		· · ·	1200	s
	COR	4	50	6			1200	s
4		2	(12+	16.625)	0.50		29	s
_	E.C.G ROOM	2	(22+	12)	0.50	,	22	s
_	WASHING	<del>                                     </del>			0.50		23	s
	STORE	2	(23+	24.75)	0.50		17	s
	WAITING AREA	. 2	(16.8+	12)			17	S
	DR OFFICE	2	(16.5+	12)	0.50	<del> </del>	24	+3
	OPD ROOM	2	(24+	16.25)	0.50		40	╁
		2	(24+	16.25)	0.50	·		S
$\neg$	ватн	2	(8.25+	7.85)	0.50		16	S
$\dashv$	MINOR OT	2_	(16.3+	14)	0.50		30	S
	LAB	2	(11.9+	16.5)	0.50	-	28	S
$\dashv$		. 2	(11.9+	16.5)	0.50		28	S
-		2	(11.9+	16.5)	0.50		28	s
ᅱ	DR OFFICE	4	(8+	8)	0.50		32	S
-	DR OFFICE	2	(16.5+	16.5)	0.50		33	S
-	LAB COLORES TO LET	2	(9.5+	7.625)	0.50		17	S
$\neg$	DISABLED TOILET	2	(19.5+	15.25)	0.50		35	s
_	GURNEY AREA	2	(15+	10)	0.50	1.	25	S
$\neg$	STAIR HALL	2	(25.3+	20.25)	0.50		46	s
	C/T SCAN ROOM	<del></del>	<del></del>		0.50		17	S
	OPERATING ROOM	2	(7+	9.625)			9	S
	ups	2	(5.25+	4)	0.50		38	S
	ROOM	2_	(20+	18)	0.50	<del> </del>	35	
_		2	(17+	18)	0.50	Ī		S
							4.4	1-
	RECORD ROOM	2	(5.25+	5.25)	0.50 0.50		11 age <b>20</b> 6	S

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Sr.	1			MEAU	SERMEN	NTS	Ott	•
No.	TEM OF WORK	No	L	В	B	H	Qty.	
	Lady Doctors / Nurses Change	2	(12+	16)	0.5		28	Sft
	Stair Hall	2	(12+	16)	0.5		28	Sft
	Lav. Block	2	(12+	12)	0.5		24	Sft
		2	(10.5+	12)	0.5		23	Sft
	Wash Room	2	(23.9+	21)	0.5		45	Sft
	Burn Ward		· —	<del></del>	0.5		41	Sft
	Waiting Room	2	(22+	19.25)	0.5	<del></del> .	40	+
	C,C.U	2	(20+	20)		<u> </u>	27	Sft
	M.O. Room	2	(15+	12)	0.5			Sft
	Paintry	2	(15+	8)	0.5		23	Sft
	ICU	2	(20+	20.375)	0.5		40	Sft
	Nursing Station	2	(7+	8.75)	0.5	1 .	16	Sft
		2	(8.75+	7.25)	0.5		16	Sft
	NEO Natal Nursry	2	(16+	20)	0.5		36	Sft
	Corridor	2	42.25		<sup>-</sup> 4		338	Sft
	Contact	2	49.875		4		399	Sft
		2	40		4		320	Sft
_	L Di(s	4	(12+	16)	0.5		56	Sft
	Lav Block	4	(12.5+	15.5)	0.5		56	Sft
		4	<u> </u>	<del></del>	4	·,	560	Sft
	WAITING ROOM		(19.5+	15.5)_	4		544	Sft
	stair case	4	(18+	16)	4		920	Sft
	CONFERENCE HALL	4	(42+	15.5)			1920	-
	GALLERY	4	120	<del></del>	4			Sft
	GALLERY .	4	120		4		1920	Sft
	Providing and laying superb quality Ceramic tiles of	115	3.50	<u></u>	4	Total	24079	Sft
	Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24	2	3	4	-		24	Sft
_	Bath	2	3	4			24	Sft
	- Yw.	2	4	5			40	Sft
		1	9.75	10			98	Sft
		2	6	6			72	1
			5	5		-	25	Sft
		1	<del></del> -			· ·	48	Sft
	BATH	1	8	6			48	Sft
	BATH	1	6	8			48	Sft
	BATH	1	6	8			128	1311
		2	8	8			100	-
		_ 1	10	10				Sft
	TOILET	2	3.75	4			30	Sft
	TOILET	2	3.75	4			30	Sft
	TOILET	2	3.75	4			30	Sft
	TOILET	1	3.75	4	<u></u>		15	Sft
		3	6	6			108	
	Path	4	5	4			80	Sft
	Bath	4	6	5			120	Sft
	BATH	2	8.25	8			132	Sft
_	Bath	4	6	6			144	Sft
	2.0	2	7.5	9.5			143	Sft
	B.R	do	7.5	<del>                                     </del>	· · · · · · · · · · · · · · · · · · ·	Total	1487	Sft
7	Providing and laying superb quality Ceramic tile fle approved Color and Shade as per approved design plaster i/c the cost of sealer for finishing the joints and directed by the Engineer Incharge 12"x18"/12"	ors of M n with ad i/c cuttin	lhesive bi ig grindin	ona, over . g complet	e in all re	e,Glossy/Matt/T	approved	
		4	(3+	4)	7.00		112	Sft
	Bath	<del></del>	<del>  `-</del> -	<del>- :/-</del>	7.00		112	Sft

	Bath	4	(3+	4)	7.00	112	Sit
<del>                                     </del>	Derdu.	4	(3+	4)	7.00	112	Sft
ŀ		4	(4+	5)	7.00	144	Sft
├		2	(9.75+	10)	7.00	316	Sft
<del></del>		4	(6+	6)	7.00	316	Sft
<del></del>	· · · · · · · · · · · · · · · · · · ·	2	(5+	5)	7.00	160 Page 149	Sft
	BATH	2	(8+	6)	7.00	1 age 1 40 224	Sft

TOILET    1								عرف	
TOILET		· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del> _	MEAUS	ERMEN	TS	Otv.	
TOILET    4   (3.75+ 4)   7.00   124   SR		TEM OF WORK	No	L					
TOLLET TOLLET  4 (3.75+ 4) 7.00 124 Srft TOLLET TOLLET 4 (3.75+ 4) 7.00 124 Srft TOLLET 7 (3.75+ 4) 7.00 124 Srft TOLLET 7 (3.75+ 4) 7.00 124 Srft Srft Srft Balt 8 (5+ 4) 7.00 576 Srft Balt 8 (6+ 5) 7.00 704 Srft Balt 8 (6+ 5) 7.00 704 Srft Balt 8 (6+ 5) 7.00 704 Srft Srft Balt 9 (8.25+ 8) 7.00 1322 Srft Srft Srft Srft 1 4 (8.25+ 8) 7.00 448 Srft Srft Srft Srft Srft Srft Srft Srft			4	(3.75+	4)	7.00			
TOILET TOILET TOILET TOILET 2 (3.75+ 4) 7.00 124 Sft ToileT 2 (3.75+ 4) 7.00 576 Sft Bailh 8 (5+ 4) 7.00 576 Sft Bailh 8 (6+ 5) 7.00 704 Sft Bailh 8 (6+ 5) 7.00 704 Sft Bailh 4 (8.25+ 8) 7.00 132 Sft Bailh 4 (8.25+ 8) 7.00 132 Sft Bailh 4 (8.25+ 8) 7.00 570 Sft Bailh 4 (8.25+ 8) 7.00 570 Sft Bailh 9 (7.5+ 9.5) 7.00 476 Sft Bailh 9 (8.25+ 8) 7.00 570 Sft Bailh 9 (8.25+ 8			4	(3.75+		7.00			Sft
TOILET   2 (3.75+ 4) 7.00   124   Sft		TOILET				7.00		124	Sft
Supply and installation or installation or installation and installation or installation installation or installation installation or installation installatio		TOILET		<del>;`</del>		7.00		124	Sft
Bath   8   (6+ 5)   7.00   704   Sft				<del></del>				576	Sft
Bath   4   (8.25+ 8)   7.00   132   Sft		Bath		+				704	Sft
Baih B.R I 4 (7.5+ 9.5) 7.00 476 Srt I 4 (8+ 8) 7.00 448 Srt I 6 (6+ 6) 7.00 504 Srt I 7.00 672 Srt I 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (7- 8) 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (6+ 6) 7.00 672 Srt I 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (7- 8) 8 (		BATH		+				132	Sft
B.R  4 (8+ 8) 7.00 448 Sri  1 6 (6+ 6) 7.00 504 Sri  8 (6+ 6) 7.00 504 Sri  8 (6+ 6) 7.00 672 Sri  8 Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified 226 fri  8 Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified 326 fri  8 grid, Edge Trims fasten 'on' wall with plug and screw © 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge Bevelled edges & flange 21.5 mm 600 mmX 600 mm  MINOR OT 1 1 16.3 14 228 Sri  OT 2 11.875 16.5 392 Sri  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 Cementitious Urethane, Epoxy, Polyurethane, Urethane  MINOR OT 1 1 16.3 14.00 228 Sri  LAB STORE 2 11.875 16.50 392 Sri  LAB STORE 2 27.25 30.50 Total: 2282 Sri  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high refreshed rore made of Alpholic/Arecal increase of 1-1/2"X1-1/2" Grangle Iron at specified intervals filling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  10 In 16.3 14.00 364 Sri  10 In 16.3 14.00 364 Sri  11 In 16.3 14.00 364 Sri  12 In 18.50 12.00 1362 Sri  13 In 16.50 13.00 1362 Sri  14 In 16.50 12.00 1362 Sri  15 In 16.50 13.00 1362 Sri  16 In 16		Bath		+				476	Sft
1   6   6   6   6   6   7.00   504   Sft		B.R		+					Sft
Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified Size fitted with "Clip-in", suspension system, hanged on Concealed T/Shiplap edge/runners: @ 600.mm/K600 mm fitted with "Clip-in", suspension system, hanged on Concealed T/Shiplap edge/runners: @ 600.mm/K600 mm grid Edge Trims fasten on wall with plug and screw @ 500.mm c/c i/c cutting charges of tiles to required size suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge Bevelled edges & flange 21.5 mm 600 mmX 600 mm    MINOR OT			<del></del>	<del></del>					_
Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size 473 grid. Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge Bevelled edges & flange 21.5 mm 600 m		1							_
Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified 3ize 473  Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified 3ize 473  Supply and installation system, hanged on Concealed T/Shiplap edge/runners: 600 mmX600 mm  grid Edge Trims fasten on wall with plug and screw 600 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge Bevelled edges 8 flange 21.5 mm 600 mmX 600 mm  MINOR OT 1 1 16.3 14 228 Sf 16.5 392 Sf 1662 Sf 1701 1200 228 Sf 1901 1200 1200 1200 1200 1200 1200 1200					6)				
Supply and installation of Clip-in tile of specified thickness non-porous Alumnium raise eding of specified of fitted with 'Clip-in', suspension system, hanged on Concealed T/Shiplap edge/runners:@ 600.mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500.mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge Bevelled edges & flange 21.5 mm 600 mmX 600 mm    MINOR OT		tid opening)	2×39	2.50	<u></u>	1.00	Total		
MINOR OT  LAB  OT  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 Cementitious Urethane, Epoxy, Polyurethane, Urethane  MINOR OT  LAB STORE  OT  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  1 (16.3+ 14) /12.00 /364 S.  LAB STORE  O.T  LAB STORE  4 (11.9+ 16.5) 12.00 /2772 S.		the Engineer Incharge Bevelled edges & flange	21.5 mm 6	00 mmX	600 mm	аs 	apploved and	228	Sft
DT		<del></del>	1	16.3	<del>- 14</del> -				
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 Cementitious Urethane, Epoxy, Polyurethane, Urethane  MINOR OT  LAB STORE  OT  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength and fixing multi layer aluminum and Hardwares as approved and directed by the Engineer Incharge.  10 intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  11 (16.3+ 14) /12.00 / 364 Silicon (1) 3 mm thick (Interior)  12 (16.3+ 14) /12.00 / 364 Silicon (1) 3 mm thick (Interior)		LAB I							_
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 Cementitious Urethane, Epoxy, Polyurethane, Urethane  MINOR OT  LAB STORE  OT  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength core made of Alpolic/Areca it the cost of base frame of 1-1/2"X1-1/2" G1 angle Iron at specified intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  10 (i) 3 mm thick (Interior)  1 (16.3+ 14) /12.00 / 364 S1  1 (16.3+ 14) /12.00 / 1362 S1  1 (18.5) 12.00 / 2772 S1		OT	<del>2</del>	27.25	30.30		Total		+
specified thickness duly welded with thermoplastic equipment. Epoxy, Polyurethane, Urethane and directed by the Engineer Incharge Cementitious Urethane, Epoxy, Polyurethane, Urethane    MINOR OT		!				nt \ con	forming to (IS		
MINOR OT  LAB STORE  OT  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength and fixing multi layer Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength and of Alpolic/Arecal i/c the cost of base frame of !-1/2"X1-1/2" Gr angle Iron at specified intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  O.T  1 (16.3+ 14) /12.00 / 364 Strength Alpolic Arecal intervals filling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  LAB STORE  4 (27.3+ 30.5) 12.00 / 2772 Strength Alpolic Arecal intervals filling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.	9	Supply and installation anti-microbial Hygenic is specified thickness duly welded with thermoplatic attacks by the Engineer Incharge Cementic	itooring (Wi astic equip itious Ureth	n anti ba ment plac ane, Epo:	ed over se xy, Polyure	elf levellethane, l	ing adhesive a		<u> </u>
LAB STORE  OT  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength and core made of Alpolic/Areca i/c the cost of base frame of !-1/2"X1-1/2" G1 angle Iron at specified intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  O.T  1 (16.3+ 14) /12.00 / 364 S:  O.T  LAB STORE  4 (27.3+ 30.5) 12.00 / 2772 S		<del></del>	1	16.3	14.00				+-
OT  I 2 27.25 30.50  Total: - 2282 Sf  Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high fire strength and core made of Alpolic/Areca i/c the cost of base frame of !-1/2"X1-1/2" Gf angle Iron at specified intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  O.T  I (16.3+ 14) /12.00 / 364 Silicon intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.  LAB STORE  A (27.3+ 30.5) 12.00 / 2772 Silicon in the story of t		<del> </del>		11.875	16.50				+-
Providing and fixing multi layer Aluminum Composite Panel Cladding comprising of PVC/PE coating over high strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polymeric membrane over LDPE/FR high five strength Anti-rust Aluminum sheet of specified thickness over Polyme				27.25	30.50				_
strength Anti-rust Aluminum sheet of specimes of 1-1/2"X1-1/2" G1 angle from at specimes retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" G1 angle from at specimes retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" G1 angle from at specimes retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" G1 angle from at specimes intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.    1		OT		<del> </del>			Total:	2282	Sf
strength Anti-rust Aluminum sheet of specimes of 1-1/2"X1-1/2" G1 angle from at specimes retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" G1 angle from at specimes retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" G1 angle from at specimes retrdent core made of Alpolic/Areca i/c the cost of base frame of 1-1/2"X1-1/2" G1 angle from at specimes intervals fillling the groove with Silicon and Hardwares as approved and directed by the Engineer Incharge.    1		I II	nnosite Pa	nel Cladd	ing compr	ising of	PVC/PE coating	ig over high	1
(i) 3 mm thick (Interior)  1 (16.3+ 14) /12.00   364   Si    O.T   4 (11.9+ 16.5)   12.00   1362   Si    LAB STORE   4 (27.3+ 30.5)   12.00   2772   Si	10	retrdent core made of Alpolic/Areca i/c the intervals fillling the groove with Silicon and Hard				. 4 4 /2711 4	CA ARRIGA ICIBIL	AL SUCCINC	
O.T		(i) 3 mm thick (Interior)						364	Sf
LAB STORE 4 (11.94 10.05) 12.00 7 2772 S	-	·			<del></del>	1		1362	Sf
[ [ [ A	-		4_		<del></del>		/	2772	Sf
	<b> </b>	LABSTORE	4	(27.3+	30.5)	+		- 449	8 Sf

Sr.	ITEM OF WORK		T	MEAU	SERMEN	ITS	12/3	<u> </u>
Vo.	TIEW OF WORK	No	L		3	Н	Qty.	
		2	18.875	12			453	Sft
		2	13	12	<del>                                     </del>		312	Sft
		2	18	12	+		432	Sft
		1	100	12			1200	
		2	30	12	<del> </del>		720	Sft
				12	<u> </u>	Total	3327	Sft Sft
41	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) joints in walls, columns, ceilings and floors etc., in interior surface (without mastic strip)!	wide alui cluding c	minium strost of clip	rip on ho	rizontal ar etc., com	nd vertical ever	neion	Sit
	de la companya de la	15	11				165	Rft
	<u> </u>			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Total	165	Rft
42	Providing embeding 10" (250 mm) wide ½" (6 mm slab complete in all respects.i/c Providing and fixing expansion joint.	ng 6 in (1	50 mm). v	r stoppe videG.I. s	r in expan sheet 18S	sion joints of R WG. stopper to	R.C.C. roof o —	
		13	40				520	Rft
	Construction of Reception Counter Brick Masonry			·	b	Total	520	Rft
	granite and kitchen cabnit 22" deep with back Cor	1	20		2.5	·	50	Sft
		1	14	· <u>-</u>	2.5			Sft
		1	10		2.5			Sft
		1	14		2.5			Sft
	L					Total: -	145	Sft
44	Providing, laying, cutting, jointing, testing and disir pipes of B.S.S. 1387-1967 complete in all respects 4.5mm thick	s, with sp	6.I. pipelin ecials and	e in trend d valves.	ches, with Medium C	socket joints	usina G I:	
45	OHR to filteration plant	1400	<u> </u>				_1400	Rft
	Electrification + Public Health(Plinth Area Rates 2 Punjab Building Department Lahore (NZ) No. CE Period 1st January 2021 to 30th June 2021	2nd Bl Ai EBNZ/19(	nnual 202 0/D, Date	0 Notified 15.01.2	d Vide C 2021 for 1	hief Engineer Ist Bi Annual	lso66	
	Covered Area for Electrification						- <del>3800</del> 0	Sft
11	Covered Area for Public Health  Deduction of Old Material					4 <u>7 1</u>	38000	Sft
1				<u> </u>	· .			<u> </u>
-	Old Doors with Chowkat I Same Qty as per Item No. 11		1	·	<del>                                     </del>			<u> </u>
2	Old Windows			<u>·</u>	<del> </del>		52	No.
	Same Qty as per Item No. 17						450	_
	(Came Gry as per rentino, 1/	I	1 1		1 1		179	No.
3	Electric cables	<del>                                     </del>	<del>  </del>	<del></del>	<del>                                     </del>		113	H

Sup Divisional Officer Building Sub Division Attock

Executive Engineer
Buildings Division,
Attock

### **ABSTRACT OF COST**



### CONSTRUCTION OF ROOM FOR FILTERATION PLANT

S: No	Description	Amount
1	Construction of Room for Filteration Plant 3469289	35/36-7/ 4042935
2	Electric Installation	71784
3	Detail of Water Suppy Network	1021085
80 CC 90 CC	4562158 G.Total:	5135805
	Add 3% Contingency:	136855154074
:	G.Total:	5 <del>289879</del>

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Sub Divisional Officer
Building Sub Division
Attock

Executive Enginee Buildings Division Attock



#### **ABSTRACT OF COST**

#### CONSTRUCTION OF ROOM FOR FILTERATION PLANT

	CONSTRUCTION OF ROOM FOR FILTE	RATIO	N PLAN	<u> T</u>	
Sr No	Description	Qty	Unit	Rate	Amount
1 :	Excavation in foundation of building, bridges and other structures; including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.	1375	%0Cft	11949.45	16430
	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	366	%Cft	21178.45	77513
3	Pacca brick work in foundation and plinth in Ratio 1:6	662	%Cft	30137	199507
4	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:- Type C (nominal mix 1: 2: 4)	94	P.Cft	537.5	50525
5	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) deformed bars Grade-40.	288	%Kg	31418.2	90484
	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	89	%Sft	8600.8	7655
7	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick	129	%Sft	5514.55	7114
8	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	1083	%Cft	32320.85	350035
9	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio	352	P.Cft	537.5	1892 <del>00</del> - <del>100813</del>
10	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) deformed bars Grade-40.	108 1087	%Kg	31418.2	33.868.8 -341516
11	Cement plaster 1:5 upto 20' height ½" thick	1177	%Sft	3082.5	36281
12	Cement plaster 1:4 upto 20 height 12 thick four ta 1:2	1353	%Sft	<del>-3232.95</del> 9164/35	43750 56754
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	615	%Sft	3699.4	22747
	Filling, watering and ramming earth under floors with surplus earth from foundation, etc		%0Cft	5090.45	4668
	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile	0	%0Cft	18484.85	0
	Supplying and filling sand under floor; or plugging in wells.		%Cft	3429.85	5213
17	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	218	%Cft	9464.4 Pa	<b>20632</b> ge 156

				(	66
Sr No	Description	Qty	Unit	Rate	Amount
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4		%Cft	36753.3	27197
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick		%Sft	6927.1	22721
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	197	P.Rft	19.8	3901
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¼"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	30	P.Sft	1,605.35	48161
22	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS: angle iron for leaf frame, diagonal and horizontal braces duly welded; with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer	34	P.Sft	1,393.25	47371
23	incharge Double Leaf Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm	460	P.Sft	340.35	156561
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond, over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	104	P.Sft	340.35	35396
25	Distempering new surface two coats with primary coat of chalk	1177	%Sft	1283.5	15107
26	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: new surface: 2 coat	•	-%Sft	1925.45	<del>- 29041</del>
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	207.15	1657

			•			(5½
Sr No	Descri	ption	Qty	Unit	Rate	Amount
	Providing and fixing M.S. fla grill including ¾" x 1/8" (20 m in windows of approved design coats, complete in all respects	mx3 mm) M.S. flat frame, in, including painting three	8	P. Sft	492.15	3937
29	Mosaic dado or skirting with marble powder in the ratio of chips, laid over ½"(13 mm) including rubbing and polishir using grey cement ½"(13 mm)	3:1 and two parts of marble thick cement plaster 1:3, 1g, complete with finishing	142	%Sft	20953.65	29754
30	P/F Resevse osmosis Drink capacity 500-600 ltr LPH wit complete in all respect as a Engineer Incharge	blending UF membrane	4	P.Job	-1 <del>627920</del> -	160448 1627920
	1	i			Total	4042935

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Sub Divisional Officer Building Sub Division Attock

Executive Engineer
Buildings Division
Attock

CONSTRUCTION OF ROOM FOR FILTERATION PLANT

5.#	Description		N	L	В	Н	Qty	Uni
1	Excavation in foundation of building, b	oridges and other structur	es, ind	cluding dagb	ellina, dr	essina		
	refilling around structure with excavate	ed earth, watering and rai	nming	lead upto o	ne chain	(30 m)		٠
	and lift upto 5 ft. (1.5 m) in ordinary soi	il.				` .		
	H/Wall		. 3	24.125	3	3	651	Cf
	V/Wall		2	18.125	3	. 3	326	Cf
			2	3.125	3	3	56	Cf
				-	· · · · · · · · · · · · · · · · · · ·	-	1033	Cf
	P.P		2	26.75	1.5	• 2	161	Cf
	L		2	30.125	1.5	2	181	Cf
						,	342	Cf
_				&		Total	1375	Cf
2	Cement concrete brick or stone balla	st 1½ " to 2" (40 mm to	50 mn	n) gauge, in	foundati	on and		
	plinth Ratio 1: 6: 12							
_	H/Wall		3	24.125	3	0.75	163	Ct
	V/Wall		2	18.125	3	0.75	82	C
	P.P	<u> </u>	2	3.125	3	0.75	14 .	C
	P.P		2	26.75	1.5	0.333	27	C
			2	30,125	1.5	0.3333	30	·C
			1	22.25	4.5	0.5	50	С
3	Dacca brick work in foundation and all	ath in Datin 4.0				Total	366	C
_	Pacca brick work in foundation and plin H/Wall	ntn in Ratio 1:6		00'075		I	-	Ŀ
_	1 // vvaii		3	23.375	2.25	0.25	39	С
			3	23	1.875	0.25	32	C
		· · · · · · · · · · · · · · · · · · ·	3	22.625	1.5	0.25	25	C
	V/Wall		3	22.25	1.125	3	225	C
	Vivan		2	16.875	2.25	0.25	19	C
		· · · · · · · · · · · · · · · · · · ·	2	17.25	1.875	0.25	16	C
_			2	17.625	1.5	0.25	13.	C
	V/Wall Veranda		2	18 3.875	1.125	3	122	C
	7, Ton Fordinge		2	4.25	2.25	0.25	4	C
			2	4.625	1.875 : 1.5	0.25	<u>4</u> 3	C
			2	5	1.125	3	34	C
								С
	steps		1 1	77.75	1 1 5	11 5	50	1 0
	steps		1	22.25 22.25	4.5 3.375	0.5	50 38	—
	steps		1 1 1	22.25	3.375	0.5	38	С
	steps		1	22.25 22.25	3.375 2.25	0.5 0.5	38 25	C
	steps		<u> </u>	22.25	3.375	0.5 0.5 0.5	38 25 13	C
	Reinforced cement concrete in slab o	f rafts / strip foundation,	1 1 1 base s	22.25 22.25 22.25 slab of colum	3.375 2.25 1.125	0.5 0.5 0.5 <b>Total</b>	38 25	0 0 0 <b>0</b>
4	Reinforced cement concrete in slab o walls; etc and other structural member	rs other than those mention	1 1 1 base s	22.25 22.25 22.25 slab of column 5(a),(i) abo	3.375 2.25 1.125 an and re	0.5 0.5 0.5 <b>Total</b>	38 25 13	C C
4	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) co	rs other than those mention	1 1 1 base s	22.25 22.25 22.25 Slab of column 5(a),(i) abortominal mix	3.375 2.25 1.125 nn and reverse not real; 2: 4)	0.5 0.5 0.5 <b>Total</b>	38 25 13	C
#	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) co	rs other than those mention	1 1 1 1 base soned in	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix	3.375 2.25 1.125 an and resove not re 1: 2: 4)	0.5 0.5 0.5 <b>Total</b> etaining equiring	38 25 13	C C C
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) co	rs other than those mention	1 1 1 1 base soned in pe C (n	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix 22.125	3.375 2.25 1.125 nn and re ove not re 1: 2: 4) 1.125 1.125	0.5 0.5 0.5 <b>Total</b> etaining equiring 0.75	38 25 13 <b>662</b> 56 30	C C C C
#	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) co	rs other than those mention	1 1 1 1 base soned in	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix	3.375 2.25 1.125 an and resove not re 1: 2: 4)	0.5 0.5 0.5 <b>Total</b> etaining equiring 0.75 0.75	38 25 13 <b>662</b> 56 30 8	C C C C C C C
1	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concep/Beam H/Wall	rs other than those mention omplete in all respects Ty	that the second of the second	22.25 22.25 22.25 slab of column 5(a),(i) about the common six 12.125 18 5	3.375 2.25 1.125 nn and reve not red 1: 2: 4) 1.125 1.125 1.125	0.5 0.5 Total etaining equiring 0.75 0.75 0.75	38 25 13 <b>662</b> 56 30	C C C C C C C
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) con P/Beam H/Wall V/Wall Fabrication of mild steel reinforcement	rs other than those mention omplete in all respects Type of the contract of th	1 1 1 1 base soned in the C (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	22.25 22.25 22.25 slab of column 5(a),(i) about 10 mominal mix 22.125 18 5	3.375 2.25 1.125 nn and reverse not really 2: 4) 1.125 1.125 1.125 ending, la	0.5 0.5 Total etaining equiring 0.75 0.75 0.75 Total eaving in	38 25 13 <b>662</b> 56 30 8	C C C C C C C C C C C C C C C C C C C
1	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) con P/Beam H/Wall V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening	rs other than those mention omplete in all respects Type of the contract of th	1 1 1 1 base soned in the control of	22.25 22.25 22.25 slab of column 5(a),(i) about 10 about	3.375 2.25 1.125 nn and reve not reve not reve not reve not revenue not revenu	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total expiring in ges for	38 25 13 <b>662</b> 56 30 8	C C C C C C C
<b>←</b>	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concentration of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income	rs other than those mention omplete in all respects Type of the contract of th	1 1 1 1 base soned in the control of	22.25 22.25 22.25 slab of column 5(a),(i) about a second	3.375 2.25 1.125 1.125 1.125 1.125 1.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2.125 2	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total expring in the second control of t	38 25 13 <b>662</b> 56 30 8 <b>94</b>	000000000000000000000000000000000000000
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) con P/Beam H/Wall V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening	rs other than those mention omplete in all respects Type of the contract of th	1 1 1 1 base soned in the control of	22.25 22.25 22.25 slab of column 5(a),(i) about 10 about	3.375 2.25 1.125 nn and reve not reve not reve not reve not revenue not revenu	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total expring in ges for de-40. 0.454	38 25 13 <b>662</b> 56 30 8 <b>94</b>	СС СС СС СС
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) con P/Beam H/Wall  V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Qty as above	rs other than those mention complete in all respects Type on the for cement concrete, in gs, including cost of bind cludes removal of rust from	tope C (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	22.25 22.25 22.25 Slab of column 5(a),(i) about 10 mominal mix  22.125 18 5 g cutting, begine and labout 10 deformed by 10 def	3.375 2.25 1.125 nn and reve not red 1: 2: 4) 1.125 1.125 1.125 ending, la pars Grad 6.75	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total	38 25 13 <b>662</b> 56 30 8 <b>94</b>	СС СС СС СС СС
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concentration of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above	nt for cement concrete, in cludes removal of rust from the concrete of concret	tope C (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	22.25 22.25 22.25 Slab of column 5(a),(i) about 10 mominal mix  22.125 18 5 g cutting, begine and labout 10 deformed by 10 def	3.375 2.25 1.125 nn and reve not red 1: 2: 4) 1.125 1.125 1.125 ending, la pars Grad 6.75	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total	38 25 13 <b>662</b> 56 30 8 <b>94</b>	СС СС СС СС СС
<b>1</b>	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) con P/Beam H/Wall  V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Qty as above	nt for cement concrete, in cludes removal of rust from the concrete of concret	1 1 1 1 base soned in the C (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix 22.125 18 5 g cutting, begine and labortomed by 94 cluding bitum	3.375 2.25 1.125 1.125 1.125 1.125 1.125 2.125 2.26 2.37 2.37 2.37 2.37 2.37 2.37 2.37 2.37	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total	38 25 13 <b>662</b> 56 30 8 <b>94</b> 288 <b>288</b>	C C C C C C C C C C C C C C C C C C C
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concentration of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above	nt for cement concrete, in cludes removal of rust from the concrete of concret	base soned in the control of the con	22.25 22.25 22.25 22.25 Slab of column 5(a),(i) about 10 mominal mix  22.125 18 5 g cutting, begine and labout 10 deformed to	3.375 2.25 1.125 1.125 1.125 1.125 1.125 2.24) 2.34) 2.35 2.36 2.37 2.38 2.38 2.38 2.38 2.38 2.38 2.38 2.38	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total	38 25 13 <b>662</b> 56 30 8 <b>94</b> 288 <b>288</b>	ССС ССС СССС СССС
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concentration of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above	nt for cement concrete, in cludes removal of rust from the concrete of concret	base soned in the control of the con	22.25 22.25 22.25 Slab of column 5(a),(i) abortominal mix  22.125 18 5 g cutting, begine and labortomed to get	3.375 2.25 1.125 2.26 2.27 2.27 2.28 2.29 2.29 2.29 2.29 2.29 2.29 2.29	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total	38 25 13 <b>662</b> 56 30 8 <b>94</b> 288 <b>288</b> 50 41	CCC CC CC KK
	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concentration of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above	nt for cement concrete, in cludes removal of rust from the concrete of concret	base soned in the control of the con	22.25 22.25 22.25 22.25 Slab of column 5(a),(i) about 10 mominal mix  22.125 18 5 g cutting, begine and labout 10 deformed to	3.375 2.25 1.125 1.125 1.125 1.125 1.125 2.24) 2.34) 2.35 2.36 2.37 2.38 2.38 2.38 2.38 2.38 2.38 2.38 2.38	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total ing with	38 25 13 <b>662</b> 56 30 8 <b>94</b> 288 <b>288</b> 41 4	C C C C C C K K
<b>1</b>	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concept P/Beam H/Wall  V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also incept Same Qty as above)  Providing and laying damp proof court one coat bitumen and one coat polythere.	nt for cement concrete, in cludes removal of rust from the concrete of concret	thick	22.25 22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix 22.125 18 5 g cutting, begine and labortominal deformed by 94 cluding bitum 22.25 18 1.125	3.375 2.25 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125	0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total aying in ges for de-40. 0.454 Total	38 25 13 662 56 30 8 94 288 288 41 4 95	C C C C C C C C C C C C C C C C C C C
<b>1</b>	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concentration of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above	nt for cement concrete, in cludes removal of rust from the concrete of concret	base soned in the control of the con	22.25 22.25 22.25 Slab of column 5(a),(i) abortominal mix  22.125 18 5 g cutting, begine and labortomed to get	3.375 2.25 1.125 2.26 2.27 2.27 2.28 2.29 2.29 2.29 2.29 2.29 2.29 2.29	0.5 0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total eaving in ges for de-40. 0.454 Total ing with	38 25 13 662 56 30 8 94 288 288 288 41 4 95 6	CCC C C C C C C C C C C C C C C C C C
5	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concept P/Beam H/Wall  V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Cate and Cate	nt for cement concrete, in gs, including cost of bind cludes removal of rust from se of cement concrete 1: ene sheet 500gauge 1.5"	base soned in the control of the con	22.25 22.25 22.25 slab of column 5(a),(i) abordinal mix 22.125 18 5 g cutting, begine and labording beformed by 94 cluding bitum 22.25 18 1.125	3.375 2.25 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125	0.5 0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total eaving in ges for de-40. 0.454 Total ing with  Total	38 25 13 662 56 30 8 94 288 288 41 4 95	ССС ССССССССССССССССССССССССССССССССС
5	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concept P/Beam H/Wall V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above)  Providing and laying damp proof cour one coat bitumen and one coat polyther D/d  Providing and laying vertical damp properties and providing and laying vertical damp properties and providing and laying vertical damp providing and laying vertical damp properties and providing and laying vertical damp provided the providing and laying vertical damp providing and laying vertical damp provided the provided the provided the providing and laying vertical damp provided the provid	rs other than those mention omplete in all respects Type of the for cement concrete, in the force of the contract of the contract of the force of the contract of the force of the contract of	base soned in the control of the con	22.25 22.25 22.25 Slab of column 5(a),(i) abortominal mix  22.125 18 5 g cutting, begine and labortomed to 94 cluding bitum  22.25 18 1.125 5 plaster and	3.375 2.25 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125	0.5 0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total eaving in ges for de-40. 0.454 Total ing with  Total	38 25 13 662 56 30 8 94 288 288 288 41 4 95 6	ССС ССССССССССССССССССССССССССССССССС
5	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concept P/Beam H/Wall  V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Cate and Cate	rs other than those mention omplete in all respects Type of the forcement concrete, in the forcement concrete, includes removal of rust from the se of cement concrete 1: the sheet 500 gauge 1.5" t	base soned in the control of the con	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix  22.125 18 5 g cutting, begine and labortomed by 94 cluding bitum  22.25 18 1.125 5 plaster and 6/2" thick	3.375 2.25 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125	0.5 0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total eaving in ges for de-40. 0.454 Total ing with  Total	38 25 13 662 56 30 8 94 288 288 41 4 95 6 89	CCCC CCC KK
4	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concept P/Beam H/Wall V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above)  Providing and laying damp proof cour one coat bitumen and one coat polyther D/d  Providing and laying vertical damp properties and providing and laying vertical damp properties and providing and laying vertical damp providing and laying vertical damp properties and providing and laying vertical damp provided the providing and laying vertical damp providing and laying vertical damp provided the provided the provided the providing and laying vertical damp provided the provid	rs other than those mention omplete in all respects Type of the forcement concrete, in the forcement concrete, includes removal of rust from the se of cement concrete 1: the sheet 500 gauge 1.5" t	base soned in the control of the con	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix  22.125 18 5 g cutting, begine and labortominal bitun  22.25 18 1.125 5 plaster and 42" thick 18	3.375 2.25 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125	0.5 0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total eaving in ges for de-40. 0.454 Total ing with  Total	38 25 13 662 56 30 8 94 288 288 288 41 4 95 6 89	C   C   C   C   C   C   C   C   C   C
5	Reinforced cement concrete in slab o walls; etc and other structural member form work (i.e. horizental shuttering) concept P/Beam H/Wall  V/Wall  Fabrication of mild steel reinforcement position, making joints and fastening binding of steel reinforcement (also income Same Qty as above)  Providing and laying damp proof cour one coat bitumen and one coat polyther D/d  Providing and laying vertical damp properties and providing and laying vertical damp properties and providing and laying vertical damp providing and laying vertical damp properties and providing and laying vertical damp provided the vertical da	rs other than those mention omplete in all respects Type of the forcement concrete, in the forcement concrete, includes removal of rust from the se of cement concrete 1: the sheet 500 gauge 1.5" t	base soned in the control of the con	22.25 22.25 22.25 slab of column 5(a),(i) abortominal mix  22.125 18 5 g cutting, begine and labortomed by 94 cluding bitum  22.25 18 1.125 5 plaster and 6/2" thick	3.375 2.25 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125 1.125	0.5 0.5 0.5 Total etaining equiring  0.75 0.75 0.75 Total eaving in ges for de-40. 0.454 Total ing with  Total	38 25 13 662 56 30 8 94 288 288 41 4 95 6 89	CCCC CCC KK

S.#		1/		1		(60	2
	Description	N	L	В	Н	Qty	Unit
8	Pacca brick work in ground floor with cement, sand mortar Ratio	0 1:6			7. 7.		,
	H/VVail	2	22.25	1.125	12	601	Cft
<del> </del>	V/Wall Above	2	18.25	1.125	12	493	Cft
<u> </u>	Above	1	22.25	1.125	3.5	88	Cft
<u> </u>	Pillar	2	5	1.125	3.5	.39	Cft
	riidi .	3	1.125	1.125	8.5	32	Cft
<u> </u>	Deduction Window	<u> </u>			Total	1253	Cft
$\vdash$	Door	3	5	1.125	6	101	Cft
<u> </u>	Lintel	1	5	1,125	8.5	48	Cft
		<del>  1</del>	6	1.125	0.75	5	Cft
		3	6,5	1.125	0.75	16	Cft
				·	Total	170	Cft
9	Reinforced cement concrete in roof slab, beams, columns li	ntolo	nindos and		Net Qty	1083	Cft
	members laid in situ or precast laid in position, or prestressed all respects 1: 2: 4 ratio	memb	ers cast in s	situ, com	plete in	30A	
		21	25.25	29.375	0.417	<del>618</del>	Cft
$\vdash$		1	22.25	1.125	1	25	Cft
		1_1_	6.5	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
10	Fabrication of mild steel reinforcement for cement concrete, in	l natural		<u> </u>	Total	<del>664</del>	Cft
, ,	Dosition making joints and fastenings including cost of big	nciuain	g cutting, be	ending, la	aying in	200	
	position, making joints and fastenings, including cost of bind binding of steel reinforcement (also includes removal of rust from	uing W	ne and labo	our charg	ges for		· ·
	3 5. 5.55. Tolliforcoment (also moludes removal of rust from	m bars	6.75	0.4536	je-40.	1087	10
11	Cement plaster 1:5 upto 20' height ½" thick	4-1904	0,75	0.4330	l	<del>-2033</del>	Kg
	, and the second	2	20	12		480	Sft
		2	18	12		432	Sft
		1	20	8		160	Sft
		2	5	3.5		35	Sft
		1	20	3.5		70	Sft
		· -			Total	1177	Sft
12	Cement plaster 1:4 upto 20' height ½" thick			<u></u>	1		•
	Outer walls	2	22.25	14.5		645	Sft
		2	20.25	14.5		. 587	Sft
		2	6.125	3.5		43	Sft
		1_1_	22.25	3.5		78	Sft
12	Coment plactor 2/9" (10) third, and a first CD O. C.	Ļ!		<u> </u>	Total	1353	Sft
,,	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof sla	abs onl		,	ratio		
			20	18		360	Sft
	Shade	2	20	5		100	Sft
		2	29:375 22.25	1.5 1.5		88 67	.Sft
			22.20	1.5	Total	615	Sft Sft
14	Filling, watering and ramming earth under floors with surplus ea	th from	n foundation	Letc	Liorai	010	ગા
	g g	1375		, 5.5	2/3	917	Cft
	Filling, watering and ramming earth under floors with surplus e earth excavated from outside, 3 mile				ith new		
	Room	1 1	20	18	1.75	630	Cft
	Ver.	1	20	5	1.75	175	Cft
<b>-</b>	Doduction (From Combined and	<u> </u>		ļ	Total	805	Cft
<b> </b>	Deduction (from Surplus earth)	<del> </del>			(-)	917	Cft
10	Cumplying and filling appel and a flage and the first and a flage and filling appel and a flage and a	<u> </u>		l	Total	0	Cft
10	Supplying and filling sand under flcor; or plugging in wells.	1 4	20	10	0.22	440	. 04
<b> </b>		1	. 20 20	- 18 - 5	0.33	119 33	Cft
<b>-</b>		+ '	20	3	Total	152	Cft Cft
17	Providing, laying, watering and ramming brick ballast 1½" to 2	<u>ו</u> אַ מו <i>ו</i> /ייכ	m to 50 m	n) dauge	<del></del>	102	UIL
Ľ	with 25% sand, for floor foundation, complete in all respects	1 1	20	11) gauge	0.33	119	Cft
		1	20	5	0.33	33	Cft
		2	30.875	2.25	0.35	35	Cft
		2	27.75	2.25	0.25	31	Cft
		† -		1	Total	218	Cft
18	Cement concrete plain including placing compacting, finishir screening and washing of stone a gregate) Ratio 1: 2: 4	ng and	curing com	iplete (in			
	Floor	1	20	18	0.16	58	Cft
Users\S	YSIDESKIOPIBALANCE WORK DHO ATTOCK			•		age 30 of 50	

C 4						_( <sup>)</sup> **S	
S.#	Description	N	L	В	Н	Qty	Unit
•		1	20	5	0.16	16	Cft
		<del>                                     </del>			Total	74	Cft
19	Providing and laying topping of cement concrete 1:2:4, including panels 1½"(40 mm) thick	ng surf	ace finishing	and div	iding in	14	CIL
	panels 1/2 (40 mm) thick	2	32.375	3		194	
		2	22.25	3	<del> </del>	134	Sft
		-	22.25		Total		Sft
20	Providing and fixing marble strip of any shade for dividing the n	10eaic	flooring into	nanala C	10tai	328	Sft
	x 3/8" thick		nooning into	paneis S	1/2		,
21	Providing and fixing windows consisting of M.S. box section from	328	v41/# logue		0.6	197	Rft
	box section frame for glazing 3/8"x3/8" using 16 SWG sheet	aille Z IIII ab	XI/2, leave:	s irame	1-72 X 1		ľ
	1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box sec	U 5118	aped vubber	support	ed with		
	SWG wire gauge on outer side by magne at 3/11, 4/91, At O. S.	tion 1/2"	X½" OT 16 S	VVG for ti	ixing 24		
	SWG wire gauze on outer side by means of ¾"x1/8" M.S. flat painting 3 coats complete in all respect.	and so	crews I/C all	C.P. fitti	ing and		
		3	5	6		90	Sft
		<del></del>	<del>-</del>	<u> </u>	Total	90	Sft
22	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Co	mmerc	ial ply comr	ressed o	Wer 2.5	30	311
	mm thick commercial ply over 1" thick packing wood in style a	and rai	le under pro	nor proc	curo ilo		٠.
	the cost of nails, tower bolt , handles, glue, sawing charges, Pa	aintina	charace ea	ad nanor	ing and		
	3/8" thick matching wooden lipping as approved and directed by	, the ⊏°	oriaryes, sal	ia hahei	my allu		· .
	and unected by	uie Cí	ignieer inch	arge.			
		1	F	Γ	6 075	34	0.5
	A	-	5	ļ	6.875	34	Sft
23	Providing and leving assets with David 11 to 1411 of			l	Total	34	Sft
23	Providing and laying superb quality Porcelain glazed tiles floor	ing of I	MASTER br	and of sp	pecified		
	size in approved design, Color and Shade with adhesive/bond	over 3/	4"thick (1:3)	cement	plaster		
	i/c the cost of sealer for finishing the joints i/c cutting grinding c	omplet	e in all resp	ect as ap	proved		
	and directed by the Engineer Incharge.600mmx 600 mm						
		1	20	40	<del> </del>	260	Sft
		1 1	20	1 10		LODU	
		1		18 -5		- 360 ·	
		<del></del>	20	5	Total	100	Sft
24	Providing and laying superb quality Porcelain glazed tiles of	1	20	5	Total		
24	Providing and laying superb quality Porcelain glazed tiles of specified size. Color and Shade with adhering band over 4.00	1 of Mas	20 ter brand, s	5 skirting/d	ado of	100	Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2	1 of Mas	20 ter brand, s (1:2) cemen	5 skirting/d t plaster	ado of i/c the	100	Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp	1 of Mas 2"thick	20 ter brand, s (1:2) cemen all respect a	5 skirting/d t plaster	ado of i/c the	100	Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2	of Mas 2"thick blete in	20 ter brand, s (1:2) cemen all respect a mm	5 skirting/d t plaster	ado of i/c the red and	100 <b>460</b>	Sft Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp	of Mas 2"thick elete in x600	20 ter brand, s (1:2) cemen all respect a mm 20	5 skirting/d t plaster	ado of i/c the	100 460	Sft Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp	of Mas 2"thick blete in	20 ter brand, s (1:2) cemen all respect a mm 20 18	5 skirting/d t plaster	ado of i/c the red and	100 <b>460</b>	Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp	of Mas 2"thick elete in x600	20 ter brand, s (1:2) cemen all respect a mm 20	5 skirting/d t plaster	ado of i/c the red and	100 460	Sft Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp	of Mas 2"thick elete in x600	20 ter brand, s (1:2) cemen all respect a mm 20 18	5 skirting/d t plaster	ado of i/c the red and 0.33 0.33	100 460 13 12	Sft Sft Sft Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp	of Mas 2"thick elete in x600	20 ter brand, s (1:2) cemen all respect a mm 20 18	5 skirting/d t plaster	ado of i/c the yed and 0.33 0.33 4 Total	100 460 13 12 80	Sft Sft Sft Sft Sft
24	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm	of Mass Pithick elete in x600	ter brand, s (1:2) cemen all respect a mm 20 18 20	5 skirting/d t plaster	ado of i/c the yed and 0.33 0.33 4 Total 0.33	100 460 13 12 80 105	Sft Sft Sft Sft Sft Sft
	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge Full body Glazed Tile 600mm	of Mass Pithick elete in x600	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5	5 skirting/d t plaster	ado of i/c the yed and 0.33 0.33 4 Total	100 460 13 12 80 105	Sft Sft Sft Sft Sft Sft
	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk	of Mass Pithick elete in x600	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5	5 skirting/d t plaster	ado of i/c the yed and 0.33 0.33 4 Total 0.33	100 460 13 12 80 105 1 104	Sft Sft Sft Sft Sft Sft Sft
	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge Full body Glazed Tile 600mm	of Mass Pithick elete in x600	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5	5 skirting/d t plaster	ado of i/c the yed and 0.33 0.33 4 Total 0.33	100 460 13 12 80 105	Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge Full body Glazed Tile 600mm  D/d  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11	of Mass Pithick elete in x600 2 2 1	ter brand, s (1:2) cemen all respect a mm 20 18 20 4.5	5 skirting/d it plaster as approv	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total	100 460 13 12 80 105 1 104	Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge Full body Glazed Tile 600mm  Did  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qual	of Mass 2"thick blete in x600 2 2 1 1	ter brand, s (1:2) cemen all respect a mm 20 18 20 4.5	5 skirting/d t plaster as approv	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total ouilding	100 460 13 12 80 105 1 104	Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete	of Mass 2"thick blete in x600 2 2 1 1	ter brand, s (1:2) cemen all respect a mm 20 18 20 4.5	5 skirting/d t plaster as approv	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total ouilding	100 460 13 12 80 105 1 104	Sft Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12	of Mass "thick blete in a x600   2   2   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5  external surespect news	5 skirting/d t plaster as approv face of I surface 2	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total ouilding	100 460 13 12 80 105 1 104 1177	Sft Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete	of Mass 2"thick blete in x600 2 2 1 1	ter brand, s (1:2) cemen all respect a mm 20 18 20 4.5	5 skirting/d t plaster as approv	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total ouilding	100 460 13 12 80 105 1 104	Sft Sft Sft Sft Sft Sft Sft Sft
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25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12	of Mass 2"thick blete in x600 2 2 1 1 1 lity on in all re	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 v external surespect new s	skirting/dat plaster as approved face of the surface 2	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total ouilding	100 460 13 12 80 105 1 104 1177	Sft Sft Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12	of Mass 2"thick blete in x600 2 2 1 1 1 lity on in all re	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 v external surespect new s	skirting/dat plaster as approved face of the surface 2	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total coat	13 12 80 105 1 104 1177	Sft Sft Sft Sft Sft Sft Sft Sft Sft
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25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12	of Mass 2"thick blete in a x600   2   2   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5  external sur espect new s 29.375 22.25 fillets.	face of I surface 2	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total coat	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft Sft Sft Sft Sft Sft Sft Sft Sft
25	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm  Did  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade	of Mass 2"thick blete in a x600   2   2   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5  external sur espect new s 29.375 22.25	skirting/dat plaster as approved face of the surface 2	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total coat	13 12 80 105 1 104 1177	Sft Sft Sft Sft Sft Sft Sft Sft Sft
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25 26 27	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing flat providing and fixing flat flat flat flat flat flat flat flat	of Mass 2"thick blete in a x600   2   2   1   1   1   1   1   1   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5  external surespect new s 29.375 22.25  fillets. 5  " x 1/8" (20 s	face of I surface 2 1.5 1.5 1.5	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total coat Total m) M.S.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft Sft Sft Sft Sft Sft Sft Sft Sft
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25 26 27	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge. Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved qualincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including providing and fixing flat providing and fixing flat flat flat flat flat flat flat flat	of Mass 2"thick blete in a x600   2   2   1   1   1   1   1   1   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5  external surespect news 29.375 22.25  fillets. 5  " x 1/8" (20 state, complete	face of I surface 2	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total coat Total m) M.S.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft
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25 26 27 28	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with the providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill inclusing flat frame, in windows of approved design, including painting the	of Mass 2"thick blete in a x600 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 4.5 external surespect new s 29.375 22.25 fillets. 5 " x 1/8" (20 sts, complete	face of I surface 2	ado of i/c the /ed and  0.33 0.33 4 Total 0.33 Total  ouilding coat  Total  m) M.S. spects.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft
25 26 27 28	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with the providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill inclusing flat frame, in windows of approved design, including painting the Mosaic dado or skirting with one part of cement and marble	of Mass 2"thick elete in a x600   2   2   1   1   1   1   1   1   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 external surespect new s 29.375 22.25 fillets. 5 " x 1/8" (20 sts, complete stricts and surespect new s	face of the surface 2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total Duilding coat Total m) M.S. spects.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft Sft Sft Sft Sft Sft Sft Sft Sft
25 26 27 28	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with the parts of marble chips, laid over ½"(13 mm) thick cement in thick cement.	of Mass 2"thick blete in x600   2   2   1   1   1   1   1   1   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 external surespect new s 29.375 22.25 fillets. 5 " x 1/8" (20 sts, complete s 1:3, includi	face of the surface 2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total Duilding coat Total m) M.S. spects.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft Sft Sft Sft Sft Sft Sft Sft Sft
25 26 27 28	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm  Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with the providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill inclusing flat frame, in windows of approved design, including painting the Mosaic dado or skirting with one part of cement and marble	of Mass 2"thick blete in x600   2   2   1   1   1   1   1   1   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 external surespect new s 29.375 22.25 fillets. 5 " x 1/8" (20 sts, complete s 1:3, includi	face of the surface 2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total Duilding coat Total m) M.S. spects.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft
25 26 27 28	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with the parts of marble chips, laid over ½"(13 mm) thick cement in thick cement.	of Mass 2"thick slete in a x600 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5  external surespect new s 29.375 22.25  fillets.  5  " x 1/8" (20 states, completed at second at sec	face of the surface 2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total Duilding coat Total m) M.S. spects.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft
25 26 27 28	specified size, Color and Shade with adhesive/ bond over 1/2 cost of and sealer for finishing the joints, cutting grinding comp directed by the Engineer Incharge.Full body Glazed Tile 600mm Distempering new surface two coats with priming coat of chalk Same Qty as per item No. 11  Providing and applying weather shield paint of approved quaincluding preparation of surface, application of primer complete Same Qty as per item No. 12  Shade  Glazing with panes (24 oz. to 26 oz.), using putty and deodar with the parts of marble chips, laid over ½"(13 mm) thick cement in thick cement.	of Mass 2"thick blete in x600   2   2   1   1   1   1   1   1   1   1	ter brand, s (1:2) cement all respect a mm 20 18 20 4.5 external surespect new s 29.375 22.25 fillets. 5 " x 1/8" (20 sts, complete s 1:3, includi	face of the surface 2  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.	ado of i/c the yed and 0.33 0.33 4 Total 0.33 Total Duilding coat Total m) M.S. spects.	100 460 13 12 80 105 1 104 1177 1353 88 67 1508	Sft Sft Sft

P/F PANNEL BOARD MADE OF 18 SWG M.S SHEET 60x35x15 cm (24"x14"x6") SIZE HOUSING OF AUTOMATIC MINIATUERE CIRCUIT BREAKER FUJI/TERRASAKI WITH NEUTRAL LINK WITH THE FOLLOWING BREAKERS: (I) 6-10 AMP (S.P.) 5 NO. (II) 11-20 AMP (SP.) 2 NOS. (III) 6-63 AMP (SP.) 2 NOS. I/C 3 COATS PAINTING, CABLE CONNECTION, COST OF VOLT METER, AMPERE METER, INDICATOR BULB COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE

Unit: Each

Sr.	D 4 11 4 11 1	10	UNIT	RATE P.SI	ft			
#	Detail of Material	Qua		Rate Per		A	AMOUNT	
1	M/S Sheet Box 12"x14" duly powder coated.	1	No.	6775.05	Each	Rs.	6775	
2	6 - 63 amp T/P	[2	No.	8433	Each	Rs.	16866	
4	11 - 20 amp S/P	2	Nos.	1298.65	Each	Rs.	2597	
5	6 - 10 amp S/P	5	Nos.	1298.65	Each	Rs.	6493	
7	LED Phase Indicator	[3	Nos.	513	Each	Rs.	1539	
8	Volt meter (0-600 Volt)	11	Nos.	· 753	Each	Rs.	753	
9	Ampare meter (0-9999 Amp)	. Ij	Nos.	993	Each	Rs.	993	
11	Carriage Charges	1)			L.S	Rs.	300	
		1)		TOTAL		Rs.	36317	
	Contractor's Profit 20%					Rs.	7263	
			. (	G. TOTAL		Rs.	43580	
				SAY:		Rs.	43580	

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK

Sub Divisional Officer Building Sub Division Attock

Executive Engineer
Buildings Division
Attock

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# ANALYSIS OF RATE FOR S/E OF LED LIGHT (12 WATTS) OF APPROVED MANUFACTURER COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE.

Unit: Each

S.#	Detail of Material		UNIT	RATE P.S	ft	0.07	OLINIT
	Dotan or material	Quar	itity	Rate Per	Unit (Rs.)	AlVI	OUNT
A)	MATERIAL	AL					
1	Cost of LED Light (12 Watt)	1.00	No.	<sup>*</sup> 300	Each		300
		<u> </u>	T	DTAL (A)	<u> </u>	Rs.	300
B)	LABOUR						
i	Electrician Charges (30 Nos Energy Saver One day)	0.05	Day	1250	P.Day	Rs.	63
		Add	10%	Sundries		Rs.	6
		-	T	OTAL (B)		Rs.	69
			TOT	AL (A+B)		Rs.	369
	Add 20% contractor profit.		T		::	Rs.	74
			<u> </u>	G.TOTAL		Rs.	442
					Say	Rs.	440

Sup Divisional Officer Building Sub Division Attock

Executive Engineer
Buildings Division,
Attock

## ANALYSIS FOR CONSTRUCTION OF RECEPTION COUNTER BRICK MASONRY STRUCTURE 3.5' HEIGHT FROM GROUND LEVEL CONSISTING OF MARBLE GRENITE AND KITCHEN CABNIT 22" DEEP WITH BACK COMPLETE IN ALL RESPECT.

		,					
		į.		Anal	ysis for 8.	5'x2.75' = :	23.375 Sft
1 Pacca brick work in ground floor with cement	, sand mortar	Ratio 1	:6			•	•
	1	8 5	0.75	3.5		22 Cft	
	2	2	0.375	2.5		4 Cft	-
	_	īl	0.515	2.0	T-4-1.		
	@ D-	20000	05.0/00		Total: -	26 Cft	
2 Coment planter 4:4	@ Rs.	32320.	85 %Cft	y			8403
2 Cement plaster 1:4 upto 20' (6.00 m) height 1	⁄2" (13 mm) tr						
	2	8 5	3.5			60 Sft	
	2	2.75	2.5			14 Sft	
•					Total: -	74 Sft	
	@ Rs.	32324	95 %Sft		, otali	. 4 0	2202
3 Providing and laying Prepolished Granite of			and ahada	~ E E!!			2392
quality laid with adhesive hand over 3/4" thick	(1:0) semen	CKIIESS	and snade	OLIUII	width of a	approved	٠, ,
quality laid with adhesive bond over 3/4" thick	(1.2) cemer	it sand n	nortor bea	, compi	ete in all re	espect as ,	
approved and directed by the Engineer Incha-	rge.3/4" thick						
	1	8 5	1.75			15 Sft	
	1	3	1				
	1	Ę		•		3 Sft	
		5	1.5			8 Sft	
	1	2.75	3.5			10 Sft	
	1	8 5	3.5			30 Sft	
·	1	8 \$	1			9 Sft -	
		].			Total: -	75 Sft	
	@ Rs.	1308 :	35 P. Sft	•	i Otal.	10 012	00404
4 Providing and fixing Vin board cabinet 3/4	ارکاری) مطانیدیاطانا	1300.0	30 1 , OIL	1829 - 1		en e	98164
proofing and nationing with a retiretion and	thick with (	rawers	3 deep in	Kitche	n including	j termite	
proofing and polishing with synthetic enamel	as specified,	with ha	ndles hinge	es,screv	ws etc., co	mplete in	
all respects. 2' deep with back					•		
	1	7.75	2.5		•	19 Sft	
			2.0		Totalı		. ,
	@ Do	1474	0.0.06	•	Total: -	19 Sft	
5 D/E Stainless steel corner has discussed an	@ Rs.		.2 P. Sft				22310
- y rir siailless sieel comer beading angle 7°Y	7"Y3/16" with	double :	tana fivad s	with cto	inlace etac	d naila i/a	
5 P/F Stainless steel corner beading angle 2"x	Z XII IO WILLI	uoupie i	rahe liyen j	WILLI SLA	1111622 2166	nans //c	
cutting fixing complete in all respect as appro	ved by the Ex	cecutive	Engineer.	with Sta		i Halls I/C	
cutting fixing complete in all respect as appro	ved by the Ex	cecutive	Engineer.	with Sta	micss stee		
cutting fixing complete in all respect as appro	ved by the Ex	ecutive	Engineer.	with Sta		11 Sft	
cutting fixing complete in all respect as appro	ved by the Ex	ecutive	Engineer.	with Sta	Total: -		
cutting fixing complete in all respect as appro	ved by the Ex 3 @ Rs.	3.5. 640	Engineer. P. Sft		Total: -	11 Sft 11 Sft	7040
cutting fixing complete in all respect as appro	ved by the Ex 3 @ Rs. ams, columns	ecutive 3.5. 640	Engineer.  P. Sft dirders and	d∡other	Total: -	11 Sft 11 Sft	7040
cutting fixing complete in all respect as appro	ved by the Ex 3 @ Rs. ams, columns	ecutive 3.5. 640	Engineer.  P. Sft dirders and	d∡other	Total: -	11 Sft 11 Sft	7040
cutting fixing complete in all respect as appro	ved by the Ex 3 @ Rs. ams, columns	ecutive 3.5. 640	Engineer.  P. Sft dirders and	d∡other	Total: -	11 Sft 11 Sft	7040
6 Reinforced cement concrete in roof slab, beal laid in situ or precast laid in position, or prest	ved by the Ex 3 @ Rs. ams, columns tressed memi	640 s lintels, bers cas	Engineer. P. Sft girders and t in situ, co	d⊮other omplete	Total: -	11 Sft 11 Sft members ects 1: 2:	7040
6 Reinforced cement concrete in roof slab, beal laid in situ or precast laid in position, or prest	ved by the Ex 3 @ Rs. ams, columns	ecutive 3.5. 640	Engineer.  P. Sft dirders and	d∡other	Total: - structural r in all resp	11 Sft 11 Sft members ects 1: 2:	7040
6 Reinforced cement concrete in roof slab, beal laid in situ or precast laid in position, or prest	ved by the Ex 3 @ Rs. ams, columns tressed memi	640 s lintels, bers cas	P. Sft girders and t in situ, co	d⊮other omplete	Total: -	11 Sft 11 Sft members ects 1: 2:	7040
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio	wed by the Ex 3 @ Rs. ams, columns tressed memb 1 @ Rs.	s lintels, bers cas	P. Sft girders and t in situ, co	d⊮other omplete 0.25	Total: - structural r in all response	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft	7040 2150
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cere	wed by the Example of	s lintels, bers cas 8 537	P. Sft girders and t in situ, co	d⊮other omplete 0.25 bendin	Total: - structural r in all response Total: -	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columnstressed members  @ Rs.  @ Rs.  ams of columnstressed members  1  @ Rs.  ment concrete t of binding v	s lintels, bers cas	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting,	d other omplete  0.25 bendin	Total: - structural r in all response Total: -	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columnstressed members  @ Rs.  @ Rs.  ams of columnstressed members  1  @ Rs.  ment concrete t of binding v	s lintels, bers cas	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting,	d other omplete  0.25 bendin	Total: - structural r in all response Total: -	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cere	@ Rs. ams, columns tressed meml  @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas 8.5. 537 e, including wire and formed by the second	P. Sft girders and t in situ, co  2 .5 P. Cft ing cutting, l labour ch pars Grade	d other omplete  0.25 bendin	Total: - structural r in all response Total: -	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columnstressed members  @ Rs.  @ Rs.  ams of columnstressed members  1  @ Rs.  ment concrete t of binding v	s lintels, bers cas	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting,	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: -	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml  @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2 .5 P. Cft ing cutting, l labour ch pars Grade	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding	11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel	
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg	2150 3770
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg 12 Kg Total: -	2150 3770 <b>144229</b>
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding Total: -	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg 12 Kg Total: - Total: -	2150 3770 144229 144229
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding Total: -	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - te P.Sft: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding Total: -	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg 12 Kg Total: - Total: -	2150 3770 144229 144229
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding Total: -	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - te P.Sft: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding Total: -	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - te P.Sft: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost reinforcement (also includes removal of rust for the steel reinforcement).	@ Rs. ams, columns tressed meml   @ Rs.  @ Rs.  ment concrete t of binding v from bars) de	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete  0.25 bendin	Total: - structural r in all response Total: - g, laying in for binding Total: -	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - te P.Sft: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost reinforcement (also includes removal of rust for the steel reinforcement).	@ Rs. ams, columns tressed members  @ Rs. ment concrete t of binding verses from bars) de  4  @ Rs.	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete 0.25 bendin	Total: - structural r in all response  Total: - g, laying in for binding  Total: - Ra	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - Say: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost reinforcement (also includes removal of rust for the supplication).	@ Rs. ams, columns tressed members  @ Rs. ams columns tressed members  @ Rs. ment concrete t of binding vers from bars) de  4  @ Rs.	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete 0.25 bendin arges 1-40.	Total: - structural r in all response  Total: - g, laying in for binding  Total: - Ran	11 Sft 11 Sft 11 Sft members ects 1: 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - Say: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost reinforcement (also includes removal of rust for the sub-Division Buildings St.)	@ Rs. ams, columns tressed memil  @ Rs. ment concrete t of binding verses from bars) de  4  @ Rs.	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete 0.25 bendin arges 1-40.	Total: - structural r in all response  Total: - g, laying infor binding  Total: - Ran  Ative Engine ding Division	11 Sft 11 Sft 11 Sft members ects : 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - Say: -	2150 3770 144229 144229 6170.225
6 Reinforced cement concrete in roof slab, bealaid in situ or precast laid in position, or prest 4 ratio  7 Fabrication of mild steel reinforcement for cermaking joints and fastenings, including cost reinforcement (also includes removal of rust for the supplication).	@ Rs. ams, columns tressed memil  @ Rs. ment concrete t of binding verses from bars) de  4  @ Rs.	s lintels, bers cas  8.5  6.75  6.75	P. Sft girders and t in situ, co  2  5 P. Cft ing cutting, l labour ch pars Grade 0.454	d other omplete 0.25 bendin arges 1-40.	Total: - structural r in all response  Total: - g, laying in for binding  Total: - Ran	11 Sft 11 Sft 11 Sft members ects : 2: 4 Cft 4 Cft position, of steel 12 Kg 12 Kg Total: - Total: - Say: -	2150 3770 144229 144229 6170.225

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ROUGH COST ESTIMATE "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEADQUARTER HOSPITAL (ISFANDYAR BUKHARI HOSPITAL) DISTRICT ATTOCK FOR THE YEAR 2021-22". (EXTERNAL SEWERAGE SYSTEM)

Sr No	Description	<u> </u>	Amount 1
1	Construction of septic tank		1895535
2	Construction of Manholes		2845100
3	external sewerage		7743000
		G.Total :	12483635

Sup Divisional Officer Building Sub Division Attock

Executive Engineer
Building Division
Attock

#### EXTERNAL SEWERAGE

1	drawing including shuttering of wood to correct section and dimension a surface water in all types of soil ex	oden vertic	al planks, struts templates and l	and beams, o	ressina
	Sewerline 1.5' dia	1x3500x4	ŧ ·		
	.@ Rs 11740.40	lk.	iai . 56000 Cit	Rs.	657462 /-
	Providing, laying, watering and ran		hallast 1½" to 2		03/402 /-
2	mm to 50 mm) gauge mixed with complete in all respects.				
		1x3500x4	x.5 7000 Cft		
	•	<b>.</b>	tal:- 7000 Cft		
	@ 9464.40	% Cft		Rs.	662508 /-
	Providing and laying R.C.C. pipe s	ewers, moʻ	ulded with		
	cement concrete 1:11/2:3 conformir				
3	Specification C-76-20, Class II. Wa			1:4-1	
3	of pipe from factory to site of work, correct alignment and grade, jointil				
· •	cutting pipes where necessary, to	esting, etc.	complete 460	mm	
•	(18") i/d		1400 Rft	·	
		To	tal:- 1400 Rft	<u> </u>	
	@ 1181.80	P.Rft	1		! 1654520 /-
4	380 mm (15") i/d				İ
•	<b>6</b>	Ī		٠.	
		_ J	1400 Rft	<u> </u>	
	@ 960.50	P.Rft	tal:- 1400 Rft		]
	Providing and laying R.C.C. pipe s		ulded with	· Rs.	1344700 /- <b>I</b>
	cement concrete 1:11/2:3 conformir				]
	Specification C-76-20, Class II. Wa	<u> </u>			<b>∮</b>
4	of pipe from factory to site of work,				1
	correct alignment and grade, jointing				,
	cutting pipes where necessary, t	esting, etç	, complete310	mm	
	(12") i/d		700 54		
			700 Rft tal:- 700 Rft		
	@ 695.60	P.Rft	I TOU KIL	Rs.	486920 /-
	Providing, laying, cutting, jointing,	•	disinfecting		100020
5	PVC/ uPVC pipe line with 'B' Class				
	pipe, in trenches, complete in all re	espects:- 6	į i/d (100 mm)	5.7	
	. 1	k2000	2000 Rft		
•		Total:-	2000 Rft		
	@ 871.55	P.Rft			1743100
	Providing, laying, cutting, jointing,				
6	PVC/ uPVC pipe line with `B' Class	- 1	-	• • • • • • • • • • • • • • • • • • • •	
	pipe, in trenches, complete in all re	espects:-4"	i/d (100 mm)		
	1:	x1400	1400 Rft		
		Total:-	1400 Rft	· :	
<del>,</del>	@ 440.65	P.Rft		5. 411 12	616910
7	Providing and installing P.V.C.	bends, of E	_		
			165 nos 165 Eac		1
	@ 543.55	Each	l loo Lac	<b>,11</b>	89686
C:\Users\SYS\Desktop	ABALANCE WORK DHO ATTOCK				Page 39 of 50

8 Providing and installing P.V.C. te @ 1586.00	total Each	3.3	165 nos 165 Each	<del>-</del> -	261690
		Ad	Total: d 3% contingency Total:		7517496 /- 225525 7743021
Sub Divisional Officer Buildings Sub Division Attock				utive Engir ilding Division	
	٠.			13-1 	

## **ABSTRACT OF COST FOR MANHOLE**

Sr. No.	Description	Qty	Unit	Rate	Amount
1	Earthwork excavation in open cutting for sewers and manholes as	6000	0/004		
•	shown in drawings including shuttering and timbering, dressing to	0000	%0Cft	11740.4	70442
	correct section and dimensions according to templates and levels,			i.	٠.
	and removing surface water, in all types of soil except shingle,		'		
	gravel and rock 0 ft. to 7.0 ft. (0 to 2.10 m) depth	,			
	gravar and rook one to 7.0 ft. (0 to 2. form) depth				
2	Cement concrete brick or stone ballast 11/2 " to 2" (40 mm to 50	1000	%Cft	21178.45	211785
···	mm) gauge, in foundation and plinth Ratio 1: 6:12			:.	•
3	Pacca brick work in foundation and plinth in Cement, sand mortar	3060	%Cft	20427	922192
	ratio 1:6.			30137	
4	Cement concrete plain including placing, compacting, finishing and	490	%Cft		180091
	curing complete (including screening and washing of stone			36753.3	
	aggregate) Ratio 1: 2: 4				
5	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick	3360	%Sft	3232.95	108627
6	Reinforced cement concrete in roof slab, beams, columns lintels,	481·	P. Cft	537.5	258538
	girders and other structural members laid in situ or precast laid in			1	•
	position, or prestressed members cast in situ, complete in all	·			
	respects Type C (nominal mix 1: 2: 4)				9
7	Fabrication of mild steel reinforcement for cement concrete,	1473	%Kg	31418.2	462790
	including cutting, bending, laying in position, making joints and				
	fastenings, including cost of binding wire and labour charges for		10 mm 4 mm 2		
	binding of steel reinforcement (also includes removal of rust from	1, 1		1	
	bars) Deformed bars (Grade-40)				
8	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for	80	Each	6847	547760
	22" as per standard drawing STD/PD No. 6 of 1977, complete in all				
	respects.			. ,	
		•	•	Total: -	2762225
					1
		Add 3% contingenc			82867
				Total: -	2845092
		y		Say: -	2845100

Sub Divisional Officer
Buildings Sub Division
Attock

## DETAIL FOR MANHOLE OF ISIZE 3.5'X3.5'

	CRI

1	Earthwork excavation in open cutt	ing for say	vers and n	nanholes a	s chown is	drowings	including		
•	shuttering and timbering, dressing to	correct sec	vers and dir	mencione a	cordina to	i urawings templates :	and lovels		
	and removing surface water, in all ty	nes of soil	evcent chin	ide Frayet	and rock O	ft to 70 ft	inu levels,		
	m) depth	pes or son	evceht 2000	igie, si aver a	and tock o	it. 10 7.0 lt.	(0 to 2, 10		
	Manhole		80	15	5	3	. 1	6000	Cft
2	Cement concrete brick or stone ball	ast 1½ " to	2" (40 mm	to 50 mm)	gauge "in		and plinth	0000	
	Ratio 1: 6:12		- (	ĬĬ	gaage,,	TOUTIGATION	and pilitin		
	Manhole		80	15	5	0.5	1	1000	Cft
3	Pacca brick work in foundation and p	linth in Cer	nent, sand	mortar ratio	1:6.		·	1000	<del></del>
	Manhole		160	15	0.75	3	1	1800	Cft
			160	3.5	0.75	3	1	1260	
				1:			Total: -	3060	Cft
4	Cement concrete plain including			finishing a	nd curing	complete	(including		
	screening and washing of stone agg	regate) Rati	io 1: 2: 4		•	•			
			80	3.5	3.5	0.5		490	Cft.
5	Cement plaster 1:4 upto 20' (6.00 m)	height 1/2"	(13 mm) thi	ck 👫			•	-	
			160	3.5	3			1680	Sft .
			160	(3.5	3			1680	Sft
							Total: -	3360	Sft
6	Reinforced cement concrete in roof								
	laid in situ or precast laid in position,	or prestres	sed membe	ers cast in s	itu, comple	te in all resp	pects Type		
	C (nominal mix 1: 2: 4)								
			80	4.25	4.25	0.333	a first to the	481	Cft
				1:			Total: -	481	Cft
7	Fabrication of mild steel reinforce	ment for co	ement con	crete¦, includ	ding cutting	j, bending,	laying] in		
	position, making joints and fastening	gs, including	g cost of bij	nding wire a	ind labour o	charges for	binding of		
	steel reinforcement (also includes re	moval of ru	st from bars	s) Deformed	bars (Grad	de-40)		. *	
			1	481	6.75	0.4536	1	1473	Kg
8	Providing and fixing, 6" (150 mm) th	ick R.C.C. r	manhole co	ver for 22" a	as per stan	dard drawin	g STD/PD		
_	No. 6 of 1977, complete in all respec	ts.		1			ī. I		
Ĺ			I	1			1	80	No.

Sup Divisional Officer
Buildings Sub Division
Attock

CONSTRUCTION	OF 2 NO	SEPTIC	TANK	36'Y42'
001101110011011	OF Z NO.	JEF HU	IMM	30 A I Z

Sr#	Description	No	1	В	Н	Qty	Unit	Amount
	Earth work excavation in open cutting like a man hole sewe	1	etc Off			Gity	Oille	Antount
	Septic tank	12	36	12	10	8640	Ctt.	<u> </u>
	oopus term	12	30	12	Total:	8640		·
		P   #	11740.	40	%0Cft	0040	CIL.	101407
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1			40	%0Cit		1	101437
	Septic Tank		,	40	0.5		1 06	· · · · · · · · · · · · · · · · · · ·
	Ocpilo Tank	2	36	12	0.5	432	Cft.	
	Q.D.	1	24470	15	Total:	432	Cft.	
3	@ Rs. Pucca brick work 1:4 other then building.		21178.	45	%Cft	L		91491
3				405	0.77		1	
	Septic tank	4	35	1.125	8.75	1378	Cft.	<u> </u>
	Doubling Marile	4	8.75	1.125	8.75	345	Cft.	<u> </u>
	Partition Walls	⊧6	8.75	0.375	7.25	143	Cft.	
		1			Total:	1866	Cft.	
	@ Rs.		32898.	70	%Cft		1	613890
4		[	T	···	·			
	Septic tank	4	32.75	8.75	ļ	1146		
		4	8.75	8:75		306.	Sft.	
		12	8.75	7.25		761	Sft.	
				<u> </u>	Total:	2213	Sft.	
		1	3780.	70	%Sft		1	83667
5	<u> </u>	11			49 T		. 1	
	Septic tank	. 2	32.75	8.75	0.25	143	Cft.	** * * * * * * * * * * * * * * * * * *
		Ŀ.			Total:	143	Cft.	
٠	@ Rs		36753	.30	%Cft.		J.	52557
6	Extra cost for making finishing benching in manhole chamb	er w	ith 1/8"	thick c	ement.		1	
	Septic tank	₽2	32.75	8.75		573	Sft.	
		.] .			Total:	573	Sft.	
	@ Rs		2934.	10	%Sft			16812
7	Reinforced cement concrete in roof slab, beams, column	ıs lir	itels, gi	rders a	ind othe	r struc	tural	
	members laid in situ or precast laid in position, or prestres	sed	membe	rs cast	in situ, d	comple	ete in	
	all respects Type C (nominal mix 1: 2: 4)	i F			,			
	Septic tank	12	35	11	0.75	578	Cft.	
		<u></u> 역 11	- 55		Total:	578	Cft.	<del></del>
	@ Rs		537.5	<u> </u>	P. Cft	3/0	OIL.	310675
8	Fabrication mild steel reinforcement for cement concrete					in no	ition	310073
	making joints and fastening I/c cost of binding wire and	illah	our ch	pendini	y layiliy or bindir	in pos	otool	
	reinforcement (also included removal of rust form bars) De	form	od bar	Crade	AU OLDILIGIE	iy or	Steet	
	removed of fust form bars) De	1 4	·			1770	1/2-1-	
		1	578	6.75	0.4536			
		1	24440	1	Total:	1//0	Kg's	
l	@ Rs		31418		%Kg	111-11	<u> </u>	556102
0	IDroviding and fiving C!! think D. C. C		nanaa (	fran	ne of 22'	ud (f	rame l	. ,
9	Providing and fixing 6" thick R.C.C. manhole cover with to							
9	weighing 37.324 Kg. or one maund as per Standard Draw							:
9		/ing : ∏				7, com	plete	
9	weighing 37.324 Kg. or one maund as per Standard Draw				, of 1977	7, com	plete      No's	
9	weighing 37.324 Kg. or one maund as per Standard Draw in all respect:	ving :	STD/PD	No. 6	of 1977	7, com	plete	
9	weighing 37.324 Kg. or one maund as per Standard Draw	ving :		No. 6	, of 1977	7, com	plete      No's	13694
9	weighing 37.324 Kg. or one maund as per Standard Draw in all respect:	ving :	STD/PD	00	Total:	7, com	No's No's otal: -	1369 <sup>4</sup> 1840325
9	weighing 37.324 Kg. or one maund as per Standard Draw in all respect:  @ Rs	ving :	STD/PD	00	of 1977	7, com	No's No's otal: -	

Sub Divisional Officer
Buildings Sub Division
Attock

(&3

P/F False ceilling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.

	•	1.7			•
	1st July 2021 to 31st Dec 2	2021		Unit R	ate P.Sft
Sr. No	Detail	Qty	Unit	Rate	Amount
Α	MATERIAL			i	
1	DAMPA False ceilling 2'x2' i/c wire	100		1	
	Add: 5% Wastage	11 5		1	-
	Total	1. 105	P. Sft	280 1	29400
2	Aluminum Tee 1"x1/16"				
	2x6x10	1. 120		-	
	Add: 5% Wastage	<b>\$</b> 6			
	Total	1 126	Each	25	3150
3	Cost of Rawal plug (1 No) for 1 Sft	<b>∤</b> ; 8	P.Dozen	30 ,	240
4	Cost of Screw 1 1/4" size	8	P.Dozen	50 I	400
5	1/8" dia Rod 5' long 1 for 2Sft	1.			
	50x5 = 252	1		]	
	225x 0.41x0.454 = 4.25	4.25	P.Kgs	42	179
		1	Total	"A" :	33369
B.	LABOUR	1:		ı	
1	Labour for fixing of frame i/c hanging wire	1		1	
	upto 20' high	1 100	P.Sft	20	2000
2	Carriage of Material from factory to site	1.		L.S	300
		1.	U.	Total	2300
	Add: 10% Sundries.	11			230
		‡i	Total	"B"	2530
			Total	A + B	35899
	Add: 20% Contractor Profit & O.H Charges	1:			7180
		I.	То	tal	43079
	Rate P.Sft	43079.00	. \	100	430.79

Sup Divisional Officer
Building Sub Division
Attock

Executive Engineer
Building Division
Attock

Say Rs. P.Sft

431

S/E of PVC Antibacterial wall cladding (bio code uk) back stature GI from 18 Gauge 12mm thick gypsum board will be fixed on wall to apply 2mm thick antimacrobial wall oven 14 to 16mm thickness joint will be heat welded in same colour (as specified in quotation ) as approved and directed by Engineer Incharge.

Area: 10x10= 100 Sft

Unit: P.Sft

		, , ,		011111111111111111111111111111111111111	•				
S.#	Detail of Material		ļ	UNIT R	ATE P.Sft		Δ Β/	OUNT	
Ο.π	Detail of Waterial			ntity	Rate Po	er Unit	AMOUNT		
<b>~</b>	Cost of PVC Antibacterial wall cladding (bio code uk) back stature GI from 18 Gauge 12mm thick gypsum board will be fixed on wall to apply 2mm thick antimacrobial wall oven 14 to 16mm thickness joint will be heat welded in same colour (as specified in quotation) as approved and			No					
	Total:	1	l.	No	1490.00	Each	Rs.	1490 .	
	back stature GI from 18 Gauge 12mm thick sum board will be fixed on wall to apply 2mm k antimacrobial wall oven 14 to 16mm kness joint will be heat welded in same colour specified in quotation ) as approved and coted by Engineer Incharge Total:  No 1490 Add 20% Contractor F	TOTAL		Rs.	1490				
		Add	20	% Contra	ctor Profit		Rs.	298	
		<b>1</b>			TOTAL		Rs.	1788	

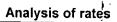
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK

Sub Divisional Officer
Buildings Sub Division
Attock

ANALYSIS OF RATE FOR P/F OF UPVC full solid door with (skypen profile 60mm frame) 2.2 gauge i/c imported handle locks rubber gas kit imported double tape complete in all respect as approved and directed by Engineer incharge.

0 11		Ra	te of	Analysis	s for 4'x8	= 32 Sft
S. No.	Description		itity	Rate	Unit	Amount
(A)	Material	.	Ĺ			
1	U-PVC Door with Chowkat with fittings and locking arrangments	32	Sft			·
	Add 5% Wastage		Sft			
		34	Sft	1900	P. Sft	64600
2	Fixing Charges	1	Job	1000	Each	1000
3	Carriage from market to site of work				L.S.	1500
·					Total: -	67100
	,	Add 20	)% Co	ontracto	r Profit: -	13420
				Total		80520
				Rate	e P. Sft: -	2516.3
<u> </u>					Say: -	2500

Sub Divisional Officer
Building Sub Division
Attock



P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.

S.No.	Description	Quantity		Rate	Unit	Amount
M	aterial.	11		<u></u>		
2"x2 i/c	ost Stainless steel corner beading angle x2"x1/16" with imported double tape fixed cutting fixing complete i/c labour mplete	1.00	Rft	540	P.Rft	540
	•	1,		· ·	Total	540
		11	Add	20% contra	ctor profit	108
	•	1			Total "A"	648
		[ <del> </del>			Say Rs.	640
		4.		•	-	

Sup Divisional Officer
Buildings Sub Division
Attock

(27

ANALYSIS OF THE RATE FOR P/F of LEAD Lining 1.5 mm thick lead sheet with wall for radiation protection upto roof height as aper instruction 8"x4" i/c cost of labour complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc..

Area: 10x10= 100 Sft

Unit: P.Sft

S.#	Detail of Material		UNIT RATE P.Sft					1		
			Quantity		Rate Per Unit		AMOUNT			
1	P/F Led Lining Sheet 1.5 mm thick		1	No					_	
		Total:	1	No	850.00	Each	Rs.	850		
					TOTAL		_	850	_	
			Add 2	0% Contra	ctor Profit		Rs.	·		
				· ·	TOTAL		Rs.	1020	7.	
	tified that Batan for motorial and labour				Say:		- 1	1020	:	

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT ATTOCK

Sub Divisional Officer
Buildings Sub Division
Attock

# ANALYSIS OF RATE FOR S/E OF SMD LIGHT PHILIPS (16 WATT) OF APPROVED MANUFACTURER COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE.

S.#	Detail of Material		UNIT RATE P.Sft				AMOUNT	
		Qı	Quantity		Rate Per Unit (R		AWOUR	
A)	MATERIAL							
1	Cost of SMD Light 16 Watt.	1.0	0	No.	1300	Each	Rs.	1300
	,	1	TOTAL (A)			<u> </u>	Rs.	1300
B)	LABOUR						l	
i	Electrician Charges (10 Nos One day)	0.	1	Day	1250	P.Day	Rs.	125
ii	Scaffolding L/S	1	$\neg \dagger$		60	Each	Rs.	60
iii	Carriage Charges	1	1		30	Each	Rs.	30
			TOTAL (B)				Rs.	215
			TOTAL (A+B)				Rs.	1515
•	Add 20% contractor profit.		T				Rs.	303
			G.TOTA		G.TOTAL		Rs.	1818
			T			Say	Rs.	1800

Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT

Divisional Officer, Buildings Sub Division, Attock

ANALYSIS RATE FOR P/F OF ANTISTATIC ANTIBACTERIAL VINYL FLOORING WITH FIXATION ON FLOOR I/C CARRIAGE OF MATERIAL FROM MARKET TO SITE OF WORK COMPLETE IN ALL RESPECT AS APPROVED/ DIRECTED BY THE ENGINEER INCHARGE

Area: 10x10= 100 Sft

Unit: P.Sft

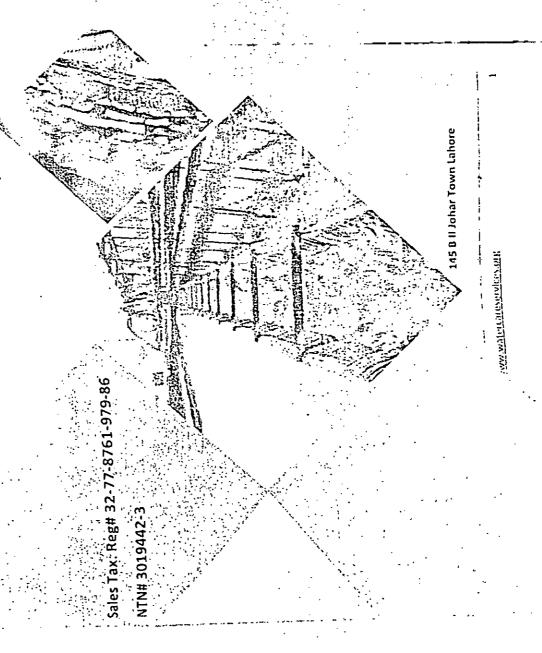
S.#	Detail of Material	UNIT RATE P.Sft				4401117		
			Quantity		Rate Per Unit		AMOUNT	
	P/F Antistatic vinyl flooring with copper mesh jointless welding in the same colour 2mm thick i/c labour		No					
	Total:	1)1	No	430.00	Each	Rs.	430.	
L.,		. ]1		TOTAL		Rs.	430 :	
		Add 20'	% Contra	actor Profit	-	Rs:	86	
_		) 1		TOTAL		Rs.	516	

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022) DISTRICT

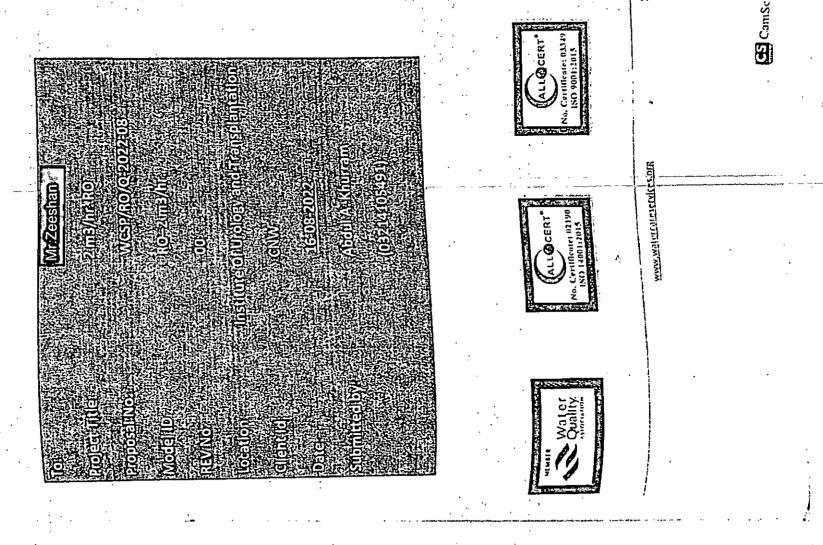
Sub Divisional Officer Buildings Sub Division Attock

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WCSP 2022

### Introduction

of arch talent of water treatment, innovative environmental management and wastewater treatment system, west alich talent of water treatment, innovative environmental management and wastewater treatment system, west classified and a single source of satisfied water management with international credibility. WCSP holds national & International semberships and accreditations. We are specialized in Total Water Management comprising of project according, fabrication of equipment, installations, erection and commissioning. Our focus is to execute projects on turnkey basis. Our scope of services in Total Water Management (TWM) is Boiler water, cooling Water, RO water plants. Effluents, special water treatment chemicals, chemical free water treatment and quality assurance water testing kits and programs. We have more than 150 industrial clients spread in the train. We evolve & develop water and environmental management systems. WCSP owns an R & D lab, where we develop solutions as per industrial requirements, so we optimize and evolve technology. Water is ear passion, and we take it as a noble cause. We have qualified staff, including engineers, chemist, environmentalist & fabricators. Our team dedicatedly work for water & environmental challenges, and provide with an energy efficient, economical and relevant solution.

Our extended strength are our international consultants, patents subscriptions and research blogs. Our objective is to develop and run the system trouble free, uninterruptable & long life. For more details please logon to

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Sand filter gets clogged when it removes impurities from raw water, so when pressure difference drops to a cerain value it will automatically run the backwash and will clean the filter. Backwash is usually done for 15

Our system also includes dosing of anti-scaling chemicals, these chemicals will reduce the formation of scale in pipes as well as on membranes and will improve the life of the system.

The technology is environment friendly & reduces your chemical cost. Many references are available throughout Pakistan.

& ID and PED

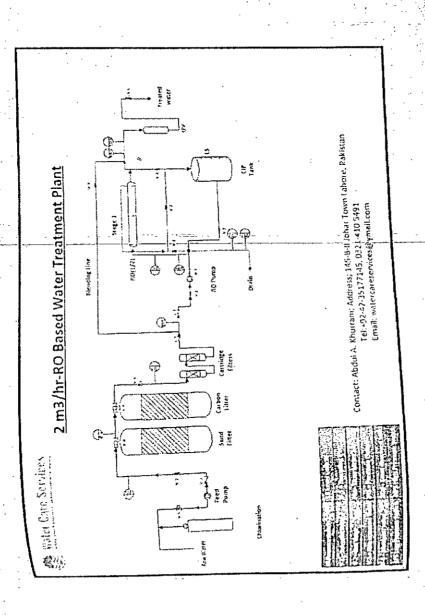
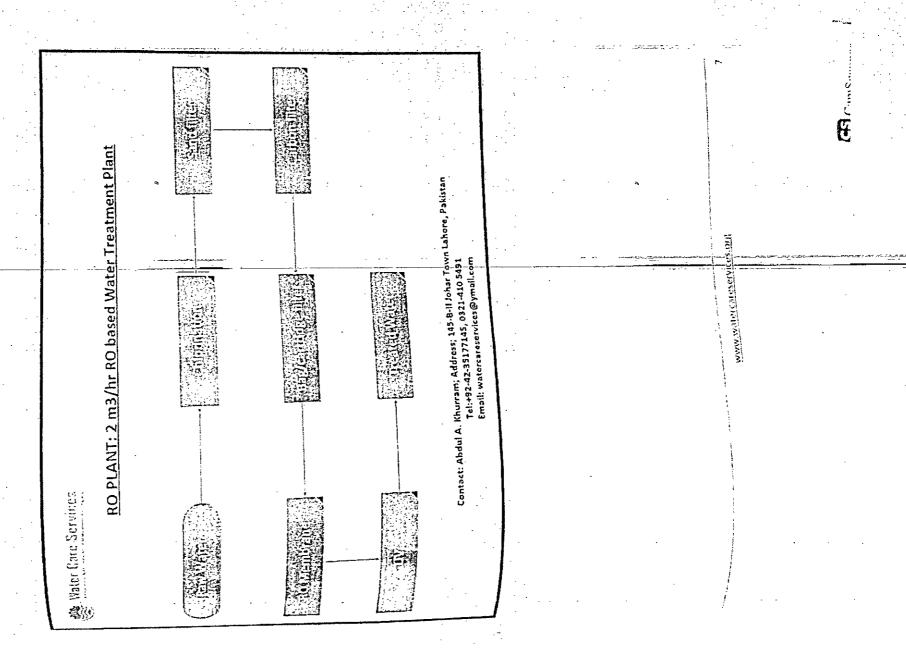


Figure 1: 1949 for RO

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WCSP 2022

# Design Basic

		<b>1</b> )				
Sr. No.	Parameter	t i Unit	Value			
	Feed Flow	n3/Hr.	4			
2	Inlet TDS	mg/l	• 500 ·			
	Final TDS	mg/l	<20			
	Product Flow	m3/hr.	2			
5	Production	1				

### PLANT DESIGN BASIC

Plant is designed on the basis of special software & advanced engineering calculations. Design will also be wet from third party before going to start fabrications.

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# Electro-Mechanical Equipment's

			Details	
\$9.	Description	QTY	Make/model	Specifications
. No	Skid Structure	1	WCSP	MS with enamel coating
1	Chloring Dosing Station	1	Elatron	5 - 7 Liter/h , 7 bar, 80 L
3	Feed water pump	1	CNP	4 m <sup>3</sup> /hr, 60 psi 16" x 65",Multi grade sand,Manual, FRP
-	Sand Filter	1	Pentair/Equivalent	16" x 65", Notivated Carbon, Manual, FRP
5	Activated Carbon Filter	1	Pentair/Equivalent	5 Micron, 4" x 20"
6	Cartridge Filter 5 Micron	2	China/Taiwan	4 m <sup>3</sup> /hr, (200 psi), 3 phase
7	RO High pressure pump	1	DOW / Equivalent	8"x40" TFC, Brackish
3	RO membrane	2	KDI.	300 psi, no of membrane elements per shell: 1
9	Pressure vessels Flow Meter	$\frac{1}{1} - \frac{2}{2} - \frac{1}{2}$	SHLLJ	As required
10	TDS Meter	1	CREATE	0-2000 ppm 0 ~ 250 Psi.
12	Pressure Gauge	4	Trutelier	0 - 200 psi
13	High Pressure Switch	1	Danfoss	0 - 110 psi
14	Low Pressure Switch	1	Danfoss	1", stainless steel
15	High Pressure Throttle valve	1	Etatron	5 - 7 Liter/h , 7 bar, 80 L
16	Antiscallant Dosing System	3		• Panel Box
18	Solenoid Valves  Electrical Panel	1		Mugnetic Connector with Overload     Emergency Stop Switch
19	Pressure Pipes and Fitting		Dadex/ Equivalent	All pipes and fittings will be of uPVC HDPE 500 Gallon
20	_ 1	2	Life/ Equivalent	NI SEW SEW
2	UV Lamp		Philips / Equivalent	Manual ports with 80 L Tank
2	Cir Sysicii		gy pagging a panggan at times. In 1994 to 1971 the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the page of the pag	

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### Commercial

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RO System Price	Rs.1,235,000/-
Installation	Inclusive
Water Distribution Header	Rs: 18,500/-

Potel = 1253500

Add 174. GST 2 243095

Additional:

70+d 14-66595

Ald 11% cont. Platit = 16+3I

- GST (17%) is not added in above quotation.
- Freight to shift equipment at client side
- Room/Shed from weather protection will be at client side
- Boarding and lodging at client side
- Final sample charges from third lab will be client responsibility
- In pipe and fittings our quote price is contains on 10ft pipe over the specific quantity of joints and pipe will... be charged separately.
- Price Validity: 01 Week

#### Payment Terms:

- 60% advance payment
- 30% before installation
- 16% after installation

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Buildings Division
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). Three Phase Electricity availability

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## Warranty/ Guarantee

Limited warranty is available on the operation of the system. Electrical parts are not under warranty.

#### Warranty Details

- 1. Warranty includes workmanship
- 2. No leakage
- 3. Pumps performance
- 4. System performance

### **Additional Benefits**

- System developers, for details logon to www.watercareservices.org
- Strong Backup
- Company owns Lab for quality assurance
- Versatile disciplinary technical expertise
- Proactive
- Economical & quality conscious
- Low operation & maintenance cost
- Advance level documentation
- Training

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# MINHAS SAFETY CONCERNS



Ref: MS/Q-003-4815-Isb

Date: 04-08-2022

#### QUOTATION

Attn: Mr.Zeeshan THQHOSPITAL Jand

GST NO NTN NO. 07-02-8424-010-19 1762110-7

S.No	Description		Unit	Unit Price	Qty	Total Price
1	FIRE ALARM CONTROL PANEL With Batter Backup Typs : Conventional Make : C.TechiContect Plus UK Capacity : 16-Zone		Nos	250000.00	2	500000.00
2	FIRE ALARM CONTROL PANEL With Batter Backup Type : Conventional Make : C.Tech/Contect Plus UK Capacity : 04-Zone .		Nos	48000.00	1	48000.00
3	Smoke Detector	11	Nos	4200.00	650	2730000.00
4	Sounder Flasher	11	Nos	5500.00	26	143000.00
5	Call Point Break Glass Type	<u>†</u>	Nos	3500.00	26	91000,00
6	Installation Charges for the above Installation & wiring of Fire Alarm System, wired with 1.5 mm PVC Insulated cables in 20mm PVC Channel, complete with all Accessories including, Testing Training & commissioning	[] (D/A)	Nos	3200.00	736	2355200.00
7	TESTING & COMMISSIONING FIRE ALARM SYSTEM	11.	JOB	50000.00	1	50000.00
		1)		Tot	al Amount	5917200.00
		11		· ; ;	GST 17%	1005924.00
		II.	-	Gi	rand Total	6923124.00

#### **TERMS AND CONDITIONS**

Validity

: 10 - Days

**Payment** 

50% Advance

40% Equpiment Delivery

10% After Testing Commissioning

Warranty

12-Months

FOR MINHAS SAFETY CONCERNS

#### **ABDUL MUNIM**

General Manager

Voice: +92 51 2104157

Fax: +92 51 2104235

Cell: +92 321 5555102

Email: isb@minhasfiresafe.com Web: www.minhasfiresafe.com Add 11% Contractor 650 892

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		Provision/Installation of Elec	trical Equipment	DIG HOSPII	<u> </u>	<u> XIIC</u>	<u> </u>
	,		11	<del>-</del>			
.#		Description	11		1	Qty:	Ţ
١"	<u> </u>		11	-	T		<u> </u>
<u>\"</u>	<u> L.T</u>	. <u>(LV) SUB-STATION EQUIPMENT :</u>	11		1		
.00	Sup	ply, installation, testing, commissioning of 1000A MAIN L.T	PANEL WITH ATS	with Incoming	From		Γ
	400	KVA Transformer 1,2,3 &4 & 02- 500KVA GENSET, w	ith ON-OFF Indication	on Lamn Instur	ement		
	Prot	ection Fuse, including 1000A Main copper bus bar Suitable	For Each Phase/Netura	l & link as ner	above	1 .	`
- 1	oute	oing circuit breaker, installed in cubicals asambled with SIEM	ENS, PEMPAK,PEL m	ake, of 14 SWG	miled	1	:
	stee	I sheet fabricated, Inddor Type, Floor Mounting, Insulation cl	ass 600VAC, Incomin	g/Outgoing conn	ection		
	1 ob	or Bottom as per site requirement, door to body Earth with fle	xibile copper cable, sy	stem voltage 415	VAC,		
	JOH	Z, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, fir	nished with electro-stati	c powder coating	of 80	ł	
	into	micron thickness in approved colour with hinged door, lockable	le handle, all live part o	overd with safty	sheet,		l ·
	roce	rnal control & power wiring from protection & power., including	cost of all necessary m	aterials complete	in all		•
	incid	eCurrent Transformer All above ACB/MCCBs/MCBs, Make in	Terasaki Japan/Legara	nd Eu.shall be ins	stalled		·
	chal	the panel having a further M.S. protective sheet and accessible	le only by opening the	ront door. All M	CCBs		
	DI A	I be rated at 50oC, and shall be of one make only and not to NT.)	be mixture. (PANEL	COUPLE WITH	i ¹PFI		
_		IN SWITCH BOARD-(For 400KVA T/F-01,T/F-02 & T/F-03)	11	_ <del></del>	<u> </u>		L
	אוייו	INCOMING FROM 400KVA TRANSFORMER	,				L
	1	1000A TP MCCB 50KA	Terasaki /Sch	neider o	\(\bar{1}\)	<b> </b>	$\vdash$
$\dashv$	2	Surge Protective Device (SPD) 4P 100KA	Phoenix/Is		)1 No.	<b> </b>	<del> </del>
	3	Digital Ampere Meter 1000/5A	Entes/Camsco		No.		-
	4	Ampere Selector Switch	1 GGT/ANS/I		) No.		⊢
	5	Digital Volt Meter 0~600V	1 Entes/Camsco	<del> </del>	II No.		
	6	Volt Selector Switch	) GGT/ANS/F		I No.		Г
	7	Current Transformer 1000/5A	I Fico/Mete		3 Nos.		
$\dashv$	8	Phase Indication Lights. R+Y+B	) Himel/Schn		3 Nos.		
	-	6A Control MCB for Instrument Protection. Copper Bus Bar	1 Importe		3 Nos.		L
		IN SWITCH BOARD-(For 630KVA T/F-04)	1 PEMPA	K 0	1 Job.	3	E
$\dashv$	11174	INCOMING FROM 630KVA TRANSFORMER	<u>                                     </u>		<u> </u>		<u> </u>
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		Digital Volt Meter 0~600V	) Entes/Camsco	/Himel 0	) No.		Г
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-		Copper Bus Bar	Imported		3 Nos.	_	<u> </u>
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~	DAR	ply, installation, testing, commissioning of EMERGENCY	1 SYNCHRONIZING	/ LUAD SHA	RING		١.
	FAI	NEL with Incoming-1&2 From 200KVA Genset-1 & 2 and In	coming (4 & 5 from				
	٠	ith ON OFF Indication Lawren Industrial Section 5	7 .:	TOUR VA Genset-	3,4 &		
		ith ON-OFF Indication Lamp, Insturement Protection Fuse, in	cluding 1000A Main c	opper bus bar Su	itable		
	For	Each Phase/Netural & link as per above outgoing circuit b	cluding 1000A Main c reaker, installed in c	opper bus bar Su ubicals asambled	itable   with		
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	VOR Science Switch	, GOT/ANS/Hinel	01 No.	ļ	ļ.
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	Ampère Selocier Switch	+ OCH/ANS/Hund	01 No.	<u> </u>	ļ.
	Digital Ampere Mezer	Ented Carraco Attimes	DI No.	1	1.
+÷	Synchronizing & Lond Shuring Module	Deep Scal Edv.	L		1
+	400A 4P Magnetle Contactor Synchronization	Terreski /Schneider	01 No.	1_	ľ
_		Tensahi /Schueider	OI No.	1	1
1.	400A TP MCCB 36KA	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	1	1	Ţ
1	INCOMING FROM MAKAA GENSET-3	Imported	OI No.		i
	Battery and Battery Charges	Himel/Schneider	05 Na.	1	į-
10	Push Button, ON/OSE	Himel/Scharider	93 Nos.		j-
<u> </u>	SA Control MCB for, in grunom Protection.	* Simoneral	10111	QΛ	+
	Daecription		Dogg		_
		4	Page (		0

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5.#					(107	
	Sunn	Description			Qty:	Ur
	ւսսբ Նորբ	oly, installation, testing, commissioning of 1000A MAIN L.T I	ANEL WITH ATS with Incomi	ng From		
ī	Prote	CVA Transformer 1,2,3 &4 & 02- 500KVA GENSET, with	h ON-OFF Indication Lamp, Ins	turement		
,	no.	ection Fuse, including 1000A Main copper bus bar Suitable Fo	or Each Phase/Netural & link as p	er above		
١	Juigi Taal	oing circuit breaker, installed in cubicals asambled with SIEME	NS, PEMPAK, PEL make. of 14 SW	'G miled		
3	ron	sheet fabricated, Inddor Type, Floor Mounting, Insulation class	ss 600VAC, Incoming/Outgoing co	nnection		
	i op	or Bottom as per site requirement, door to body Earth with flex	ibile copper cable, system voltage 4	15VAC,		
3	HUC	Z, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, fini-	shed with electro-static powder coat	ing of 80		
	100 1	micron thickness in approved colour with hinged door, lockable	handle, all live part coverd with sai	fty sheet,	ĺ	
1	nter	nal control & power wiring from protection & power., including of	cost of all necessary materials compl	ete in all		
r	espe	Current Transformer All above ACB/MCCBs/MCBs, Make in T	erasaki Japan/Legarand Eu.shall be	installed		
i	nsid	e the panel having a further M.S. protective sheet and accessible	only by opening the front door. All	<b>MCCBs</b>		
S	shall	be rated at 50oC, and shall be of one make only and not to be	e mixture. (PANEL COUPLE WI'	TH PFI		
J	LA	NT.)				
4		0A MAIN L.T PANEL		Τ		H
$\dashv$		INCOMING FROM MSB-NORMAL 400KVA TRANSFORMER-1		<u> </u>		
	$\rightarrow$	1000A TP ACB 65KA		01 No.		
+		Motor Mechanism for ACB.	Terasaki Japan/Schneider	01 No.		
+	_	Under Voltage Trip for ACB. Shunt Trip Coil for ACB.	Eu./Legrand.Eu/ABB Eu.	01 No.		Ŀ
+		Digital Ampere Meter 0~800A		01 No.		
+		Ampere Selector Switch	Entes/Camsco/Himel	01 No.		
+	_	Digital Volt Meter 0~600V	GGT/ANS/Himel	01 No.	<b>  </b>	
$\dagger$		Volt Selector Switch	Entes/Camsco/Himel GGT/ANS/Himel	01 No.		_
$\top$		Current Transformer 1000/5A	Fico/Metelx	01 No. 03 Nos.		
	10	Indication Lights. R+Y+B+ON+OFF	Terasakil/Schneider	05 Nos.		
$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$	11	6A Control MCB for Instrument Protection.	Imported	03 Nos.	$\vdash \vdash \vdash$	
$\bot$		INCOMING FROM MSB-NORMAL 400KVA TRANSFORMER-2		1		
4		1000A TP ACB 65KA		01 No.		
$\downarrow$		Motor Mechanism for ACB.	Terasaki Japan/Schneider	01 No.		Ċ
4		Under Voltage Trip for ACB.	Eu./Legrand.Eu/ABB Eu.	01 No.		
+		Shunt Trip Coil for ACB.		01 No.		
+		Digital Ampere Meter 0~800A	Entes/Camsco/Himel	01 No.		
+		Ampere Selector Switch Digital Volt Meter 0~600V	GGT/ANS/Himel	01 No.	,	
+		Volt Selector Switch	Entes/Camsco/Himel	01 No.		1.
+	_	Current Transformer 1000/5A	GGT/ANS/Himel	01 No.		
+		Indication Lights, R+Y+B+ON+OFF	Fico/Metelx Terasakil/Schneider	03 Nos.		
	11	6A Control MCB for Instrument Protection.	Imported	05 Nos.		·
$\top$	$\neg \mid$	OUTGOING	mported	03 1405.		
		400A TP MCCB 25KA		06 Nos.		
T	2	400A TP MCCB 25KA (SPARE)		01 No.		_
$\perp$	3	160A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Schneider	01 No.		_
$\perp$	4	100A TP MCCB 25KA (SPARE)		01 No.		
4		BUS COUPLER				
4		800A TP ACB 65KA		01 No.		
4	ightarrow	Motor Mechanism for ACB.	Terasaki Japan/Legrand/Schneider	01 No.		
		Under Voltage Trip for ACB.		01 No.		
+	_	Shunt Trip Coil for ACB. Indication Lights. R+Y+B+ON+OFF	/ Terasakil/Schneider	01 No.		
+		6A Control MCB for Instrument Protection.	Imported	05 Nos. 03 Nos.		
+		Automatic Interlocking	PEMPAK	03 Nos.	<b> </b> -	
+		INCOMING FROM EMERGENCY/LOAD SHARING PANEL 806		UI NO.		
+	1	800A TP ACB 65KA		01 No.	<b> </b>	-
+		Motor Mechanism for ACB.	Terasaki Japan/Schneider	01 No.	<del>                                     </del>	<del>                                     </del>
+	3	Under Voltage Trip for ACB.	Eu./Legrand.Eu/ABB Eu.	01 No.		Т
+	_	Shunt Trip Coil for ACB.	Ü	01 No.	1	_
+		Digital Ampere Meter 800/5A	Entes/Camsco/Himel	01 No.		Г
1		Ampere Selector Switch	GGT/ANS/Himel	01 No.		
十		Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		
+	8	Volt Selector Switch	GGT/ANS/Himel	01 No.		
$\dashv$	9	Current Transformer 800/5A	Fico/Metelx	03 Nos	<del></del>	L
_		Indication Lights, R+Y+B+ON+OFF	Terasakil/Schneider	05 Nos	+	<u> </u>
7		Control MCB for Instrument Protection.	Imported	03 Nos		_
$\dashv$		OUTGOING			<u> </u>	L
	1	250A TP MCCB 25KA		06 Nos		1
		630A TP MCCB 36KA	Terasaki Japan/Legrand/Schneider	01 No. 02 Nos		-
$\Box$	3	250A TP MCCB 25KA (SPARE)	-	02 NOS	1	E
	-	BUS COUPLER		01 No.	1-	╁
		800A TP ACB 65KA				

	Description		<u>Uo</u>	Qty:	Uni
2			01 No.	Qty.	0
3	Under Voltage Trip for ACB.	Terasaki Japan/Legrand/Schneider	01 No.		-
4	Shunt Trip Coil for ACB.		01 No.		
5	Indication Lights. R+Y+B+ON+OFF	Terasakil/Schneider	05 Nos.	- :	
6		Imported	03 Nos.		
7	Automatic Interlocking	PEMPAK	<del></del>		
$\vdash$	INCOMING FROM MSB-NORMAL 400KVA TRANSFORMER-3	TEIVIT AR	01 No.	- 1	Eac
ī	1000A TP ACB 65KA		+	5	
		T	01 No.		
<b>1</b> 3	<del></del>	Terasaki Japan/Schneider	01 No.		
1		Eu./Legrand.Eu/ABB Eu.	01 No.		<u>:</u>
	<del></del>		01 No.		٠.
<u> </u>	= 8	Entes/Camsco/Himel	01 No.		ļ
6		GGT/ANS/Himel	01 No.	•	
7		Entes/Camsco/Himel	01 No.		
8		GGT/ANS/Himel	01 No.		
9		Fico/Metelx	03 Nos.		
Ш		Terasakil/Schneider	05 Nos.		
1	6A Control MCB for Instrument Protection.	Imported	03 Nos.		
	INCOMING FROM MSB-NORMAL 630KVA TRANSFORMER-4		70 11001		
I	1000A TP ACB 65KA		01 No.		<del> </del>
2	Motor Mechanism for ACB.	Terasaki Japan/Schneider	01 No.		<del> </del>
3	· · · · · · · · · · · · · · · · · · ·	Eu./Legrand.Eu/ABB Eu.	01 No.		├
4		Ed. Ecgland, Ed. ADD Ed.			ļ
5		Entes/Camsco/Himel	01 No.	···	
<u> </u>			01 No.		<u> </u>
7		GGT/ANS/Himel	01 No.		
<del>  8</del>	<del></del>	Entes/Camsco/Himel	01 No.		<u> </u>
<u> </u>		GGT/ANS/Himel	01 No.		<u> </u>
9		Fico/Metelx	03 Nos.		<u> </u>
11	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Terasakil/Schneider	05 Nos.		
1	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Imported	03 Nos.		-
$\perp$	OUTGOING .				
<u> </u>	400A TP MCCB 25KA		06 Nos.	-	· ·
2	111111111111111111111111111111111111111	Ta	01 No.		
3	100A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Schneider	01 No.		
4	63A TP MCCB 25KA (SPARE)		01 No.	1	Eac
	BUS COUPLER				~
Ī	800A TP ACB 65KA		01 No.		25 45 1
2	Motor Mechanism for ACB.		01 No.		
3		Terasaki Japan/Legrand/Schneider	01 No.		┝┈
4	<del></del>		01 No.		<del>                                     </del>
5		Teraşakil/Schneider	01 No.		-
1					
	Automatic Interlocking	Imported	03 Nos.		
+		PEMPAK	01 No.	1	Eac
Ь,	INCOMING FROM EMERGENCY/LOAD SHARING PANEL 800	DA MCCB			
<u> </u>	800A TP ACB 65KA	· .	01 No.		·
1 2		Terasaki Japan/Schneider	01 No.		<u> </u>
]	B- T- F- T-	Eu./Legrand.Eu/ABB Eu.	01 No.		·
14			01 No.		
	8	Entes/Çamsco/Himel	01 No.		
6		GGT/ANS/Himel	01 No.		
1.7	Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		
—		GGT/ANS/Himel	01 No.		Γ
[	Current Transformer 800/5A	Fico/Metelx	03 Nos.		<u> </u>
8		Terasakil/Schneider	05 Nos.		$t^-$
9	Indication Lights. R+Y+B+ON+OFF	i i i i i i i i i i i i i i i i i i i			
9	Indication Lights. R+Y+B+ON+OFF		<del></del>	· ·	
1	Indication Lights, R+Y+B+ON+OFF   Control MCB for Instrument Protection.	i Imported	03 Nos.	* :	<u> </u>
1	Indication Lights. R+Y+B+ON+OFF		<del></del>		

Description   1   Oay   Unit						(10	9	
4.00 Supply, installation, testing, commissioning of 200KVAR POWER FACTOR IMPROVEMENT PLANT with 4-step 23Kvar, 2-step 50Kvar Coupling arrangement of L.T. PANEL, Power Capacitions, Maganicia Constructor 220VAC, 63/125A HRC Fuse, 06-Step PFI Controller, ON-OFF; Indication Lamp, ON/OFF Push Button, Auxiliany Constact of NO-ARON, Auto Manual Switch, Instrument Protection Fuse, including 1000A Main copper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in outbiast sambled with SIEMENS, PEMPAK, PEL make, of 12/14 SWG miled steel shelf fabricated, Inddor Type, Floor Mompting, Insulation class 600VAC, door to body Earth with Incibile cooper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95-100 micron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power viring from protection & power, including cost of all necessary materials complete in all respecturent Transformer. All above Component Make Togami/Schenider/Missibshid/Handh/BB, Capacitor Entes, Iskar, Enerlux, ZEZ, Amber, GE, shall be installed inside the panet having a further M.S. protective sheet and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and accessible only populated and acc			Description			1	Otv:	Unit
4-step 25Kvar, 2-step 50Kvar Coupling arrangement of L.T. PANEL, Power Capacitors, Magnatic Contactor 220VAC, 60125A HRC Fise, 60-Step FIC Controller, ON-OFF Indication, Lamp, ON/OFF push Button, Auxiliary Contactor 4NO-4NC, Auxiliary Contactor 5NO-4NC, Auxiliary Contactor 5NO-4NC, Auxiliary Contactor 5NO-4NC, Auxiliary Contactor 5NO-4NC, Auxiliary Contactor 6NO-4NC, Auxiliary Contactor 6NO	4.00	Supp	ply, installation, testing, commissioning of 200KVAR POWER	FACTOR IMPROVEM	ENT PLAN	T with		
220VAC, 63/125A HRC Fuse, 06-Step PFI Controller, ON-OFF, Indication Lamp, ON/OFF Push Button, Auxiliary Contactor (NO-AMC), Aux Manual Switch, Instrument Protection Fuse, including 1000A Main copper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAR-PEL make. of 12/14 SWG miled steel sheef fabricated, Indior Type, Floor Mounting, Insulation class 600VAC, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreeased and derusted; zinc phosphated, finished with electro-static powder coating of 95 - 100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with adhy sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above Component Make Togami/Schenider/Missubsih/Hatschi/ABB, Capacitor Entes, Iskar, Enertux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front (PLANT COUPLE WITH MAIN L.T. PANEL)  1 Power Capacitor 25KVAR  2 Magnetic Consustor 30KVAR  1 Stam/Entes/Enterbux/ZEZ/Amber/GE 04 Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. Terraski/Schenider/Missubsi/ABB, QT Nos. T		4-ste	p 25Kvar, 2-step 50Kvar Coupling arrangement of L.T. PAN	EL, Power Capacitors, N	Magnatic Co	ontactor		
Auxiliary Confactor 4NO+4NC, Auto Manual Switch, insturement Protection Fuse, including 1000 A Minit opper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAR, PEL make. of 12/14 SWG miled steel sheef fabricanted, Inddor Type, Floor Mounting, Insulation class 600VAC, do not body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95 -100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power writing from protection & power, including coal of all necessary materials complete in all respecturent Transformer All above Component Make Togami/Schenider/Missubis/Hatachi/ABB, Capacitor Entes, skart, Fortun, z.C.2. Amber, GC, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL).    200KVR PFI PLANT	.	220	VAC, 63/125A HRC Fuse, 06-Step PFI Controller, ON-OFF	Indication Lamp, ON/	OFF Push	Button.		
bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAR,PEI make. of 12/14 SWG miled steel sheft fabricated, Indiodr Type, Floor Mounting, Insulation class 600VAC, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95 - 100 micron thickness in approved colour with hinged door, leckable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturem Transformer All above Component Make Togami/Schenider/Missibis/Hatlachi/ABB, Capacitor Entes, Iskar, Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheer and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL)  2. Power Capacitor SWAR  1. Iskara/Entes/Benefux/ZEZ/Amber/GE GO Nos.  2. Magnetic Contactor 30A AC3 for 258var  1. Iskara/Entes/Benefux/ZEZ/Amber/GE GO Nos.  3. Power Capacitor OSVAR  1. Iskara/Entes/Benefux/ZEZ/Amber/GE GO Nos.  4. Magnetic Contactor 105A AC3 for 36var  1. Iskara/Entes/Benefux/ZEZ/Amber/GE GO Nos.  5. GGA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses with bases  1. Enc/Internalles/DF-Electric/Himel. 12 Nos.  5. IZSA HRC Puses		Aux	iliary Contactor 4NO+4NC, Auto Manual Switch, Insturement Pr	otection Fuse, including 1	1000A Main	copper		
SIEMENS, PEMPAK, PELL make. of 12/14 SWG miled steel sheeit fabricated, Indoor Type, Floor Monting, Insulation class 600VAC, do not ooky Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zine phosphated, finished with electro-static powder coating of 95 -100 micron thickness in approved colour with hinged door, lockable handle, sill live par coverd with safty sheet, international control & power wiring from protection & power, including cost of all respectures. Transformer All above Component Make Togami/Schenider/Mistubishi/Hatachi/ABB, Capacitor Enters, Iskar, Enertux, ZEZ, Amber, GE, shall be installed inside the panel having a further MS. protective sheet and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL)  2006VKR PFI PLANT  1   Power Capacitor 25X-VAR  2   Magnetic Contactor 30A AC3 for 25/cvar  1   Power Capacitor 25X-VAR  3   Power Capacitor 25X-VAR  4   Magnetic Contactor 30A AC3 for 25/cvar  1   Power Capacitor 25X-VAR  4   Magnetic Contactor 105A AC3 for 50/cvar  1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1   Torsaki/Schenider/Mistubis/ABB, OZ Nos. 1		bus	bar Suitable For Each Phase & link Cable as per above Car	pacitor, installed in cubic	cals asamble	ed with		•
Insulation class 600 VAC, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, depressed and devisted, zinc phosphated, finished with electro-static powder coating of 93 -100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, infernal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above Component Make Togami/Schenider/Missubishi/Hatachi/ABB, Capacitor Entes, Iskar, Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front of correction of the protection of the panel having a further M.S. protective sheet and accessible only by opening the front of correction of the panel having a further M.S. protective sheet and accessible only by opening the front of correction of the panel having a further M.S. protective sheet and accessible only by opening the front of correction of the panel having a further M.S. protective sheet and accessible only by opening the front of correction of the panel having a further M.S. protective sheet and accessible only by opening the front of correction of the panel having a further M.S. protection o		SIE	MENS, PEMPAK, PEL make. of 12/14 SWG miled steel shee	t fabricated. Inddor Tvo	e. Floor Mr	nunting		
4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of \$5 -100 mistron thickness in approved colour with hinged door, lockable handle, all live part covered with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above Component Make Togami/Schenider/Misubishi/Hatachi/ABB, Capacitor Entes, Iskar, Enerlux, ZEZ, Amber, GE, Sahal be installed inside the panel having a further MS. protective sheet and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL)  2008XYR PET PLANT  1   Power Capacitor 25XVAR  2   Magnetic Contactor 50A AC3 for 25xvar  1   Tersaki/Schenider/Misubis/ABB, OZ Nos. 3   Power Capacitor 25XVAR  3   Power Capacitor 25XVAR  4   Magnetic Contactor 50A AC3 for 50xvar  1   Tersaki/Schenider/Misubis/ABB, OZ Nos. 4   Magnetic Contactor 150A AC3 for 50xvar  1   Tersaki/Schenider/Misubis/ABB, OZ Nos. 5   152A HRC Fuses with bases 1   Elea/Jennuller/DF-Electric/Himel, De Nos. 6   Reactive Power Factor Controller 06-Steps 1   Elea/Jennuller/DF-Electric/Himel, OE Nos. 6   Reactive Power Factor Controller 06-Steps 1   Elea/Jennuller/DF-Electric/Himel, OE Nos. 6   Reactive Power Factor Controller 06-Steps 1   Elea/Jennuller/DF-Electric/Himel, OE Nos. 6   Garceit Transformer, 1000/5A   Fires/Meten)   Tersakii/Schenider   12 Nos. 7   ON Indication Lights 1   Tersakii/Schenider   12 Nos. 10   Ausiliary Contactor (4NO+4NC)   Tersakii/Schenider   12 Nos. 11   AutoMManda Swirch, Order   12 Nos. 12   AutoMManda Swirch, Order   13 Nos. 13   Surge Suppressors   PEMPAK   18 Nos. 14   Eshabat Fan Cassettes, Order   13 Nos. 15   Temperature Regulator 0-60C   13 Nos. 16   Ternaskii/Schenider   01 No. 17   Temperature Regulator 0-60C   14 Nos. 18   Temperature Regulator 0-60C   15 Nos. 19   Temperature Regulator 0-60C   15 Nos.		lnsu	lation class 600VAC, door to body Earth with flexibile copper ca	ble, system voltage 415V	AC 50H7	3-Phace	·	
thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power, including cest of all necessary materials complete in all respecturent Transformer All above Component Make Togami/Schenider/Misubishi/Hatachi/ABB, Capacitor Entes, Iskar, Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL)   1   1   2004XV FET PLANT   1   1   1   2004XV FET PLANT   2		4-W	ire, degreased and derusted, zinc phosphated, finished with elec-	tro-static nowder coating	of 05 -100	micron		•
control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above Component Make Togami/Schenider/Missubis/Haachi/ABB, Capacitor Entes, Iskar,Enertux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL)  1   Power Capacitor 25WAR   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   2   Magnetic Contactor 50A ACJ for 25kvar   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   3   Power Capacitor 25WAR   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   4   Magnetic Contactor 105A ACJ for 25kvar   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   5   63A HRC Fuses with bases   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   5   63A HRC Fuses with bases   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   6   Reactive Power Factor Controller 06-Steps   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   7   ON Indication Lights   05 Nos.   Iskard/Entertux/ZEZ/Amber/GE   04 Nos.   8   Push Buston ON/OFF   I Fernsakii/Schenider   12 Nos.   9   Current Transformer. 1000/5A   IFEROMETICAL   12 Nos.   10   Auxiliary Consuctor (4NO+4NC)   Togamu/Hatsch//Eqv.   04 Nos.   11   6A Control MCS BY For Protection   Togamu/Hatsch//Eqv.   04 Nos.   12   Auto/Manual Switch   Igoamu-Hatsch//Eqv.   04 Nos.   13   Sunge Suppressors   PEMPAK   18 Nos.   14   Ezhaux Fan Cassettes   Imported   01 No.   18 Nos.   15   Temperature Regulator 0-60C   10 Nos.   19   Temperature Regulator 0-60C   10 Nos.   10 No		thick	mess in approved colour with hinged door. lockable handle a	Il live part coverd with	safty cheet	internal		
respeCurrent Transformer All above Component Make Togami/Schenicler/Misubshi/Hatachi/ABB, Capacitor Entes, Iskar, Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S., protective sheet and accessible only by opening the front door. (PLANT COUPLE WITH MAIN L.T. PANEL)  1		cont	rol & power wiring from protection & power including cost	of all necessary motori	salty silect,			
Entes, Iskar, Enertux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door.  (PLANT COUPLE WITH MAIN L.T. PANEL)  1   Power Capacitor 25KVAR  1   Iskara/Entes/Enertux/ZEZ/Amber/GE   04 Nos.  2   Magnetic Contactor JOA ACJ for 25kvar  1   Tersak/Schenider/Missubis/ABB, 02 Nos.  3   Power Capacitor 25KVAR  4   Magnetic Contactor 105A ACJ for 25kvar  1   Tersak/Schenider/Missubis/ABB, 02 Nos.  5   63A HRC Fuses with bases  1   Effoul/enmuller/DF-Electric/Himel, 12 Nos.  6   Reactive Power Factor Controller 06-Steps  6   Reactive Power Factor Controller 06-Steps  7   ON indication Lights  1   Tersak/Schenider/Missubis/ABB, 02 Nos.  6   Reactive Power Factor Controller 06-Steps  1   Entes/Inter/Mikro   01 No.  7   ON indication Lights  1   Tersak/ISchenider   12 Nos.  8   Push Button ON/OFF   1   Tersak/ISchenider   12 Nos.  9   Current Transformer, 1000/5A   1   Tersak/ISchenider   12 Nos.  10   Auxiliary Contactor (NOO+4NC)   1   Tersak/ISchenider   12 Nos.  11   6A Control MCB SPF For Protection   1   Tersak/ISchenider   10 No.  12   Autor/Annaul Switch   1   GGT/Camsco/Eqv   04 Nos.  13   Surge Suppressors,   1   PEMPAK   18 Nos.  14   Exhaust Fan Cassettes,   1   Imported,   01 No.  15   Temperature Regulator 0-60C   Affa Elec/Finder   01 No.  16   Auxiliary Contactor (NOO+4NC)   1   Tersak/ISchenider   01 No.  17   ON installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE, with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make, of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and denasted, clinic hybrid hincoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth wit		resp	Current Transformer All above Component Make Togami/So	henider/Mitsuhishi/Llates	als complete		ļ	
and accessible only by opening the front door.  (PLANT COUPLE WITH MAIN L.T. PANEL.)  200KVR PFI PLANT  1 Power Capacitor 25KVAR  1 Iskara/Enters/Enerlux/ZEZ/Amber/GE 04 Nos.  2 Magnetic Contactor 50A AC3 for 25kvar  1 Tersak/Schenider/Missubis/ABB, 02 Nos.  3 Power Capacitor 50KVAR  1 Iskara/Enters/Enerlux/ZEZ/Amber/GE 04 Nos.  4 Magnetic Contactor 50A AC3 for 30kvar  1 Tersak/Schenider/Missubis/ABB, 02 Nos.  5 63A HRC Fuses with bases  1 Efen/Jennutler/DF-Electric/Himel. 12 Nos.  6 Reactive Power Factor Controller 06-Steps  1 Efen/Jennutler/DF-Electric/Himel. 12 Nos.  6 Reactive Power Factor Controller 06-Steps  1 Enters/Ennutler/DF-Electric/Himel. 12 Nos.  7 ON indication Lights  1 Tersak/Schenider  10 Nos.  8 Push Button ON/OFF  1 Tersak/Schenider  10 Nos.  9 Current Transformer. 1000/5A  1 Fico/Metels. 01 No.  10 Auxiliary Contactor (ANO-4NC)  11 GA Control NCB SP For Protection  12 Auto-Manual Switch. 1 GGT/Camsco/Eqv. 04 Nos.  13 Surge Suppressors. 1 PEMPAK. 18 Nos.  14 Exhaust Fan Cassettes. 1 Imported. 01 No.  15 Temperature Regulator 0-60C  1 Alfa Electrinder. 01 No.  15 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAR. with Incoming 400A PM Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: Fo		Ente	s. Iskar Enerly 7F7 Amber GF shall be installed incide the	nonal having a further M	IBI/ADD, C	apacitor		
CPLANT COUPLE WITH MAIN L.T. PANEL   1   1   1   1   1   1   1   1   1		and			· ·		ļ	
200KVR PFI PLANT   1   Power Capacitor 25KVAR   1   Iskara/Entes/Enerius/ZEZ/Amber/GE   04 Nos.   2   Magnetic Contactor 30A AC3 for 25kvar   1   Tersaki/Schenider/Missibis/ABB,   02 Nos.   3   Power Capacitor 50kVAR   1   Iskara/Entes/Enferius/ZEZ/Amber/GE   04 Nos.   4   Magnetic Contactor 105A AC3 for 50kvar   1   Tersaki/Schenider/Missibis/ABB,   02 Nos.   5   G3A HRC Fuses with bases   Efen/Jennuller/DF-Electric/Himel.   12 Nos.   5   125A HRC Fuses with bases   Efen/Jennuller/DF-Electric/Himel.   12 Nos.   6   Reactive Power Factor Controller 06-Steps   1   Entes/Inter/Mirkm   01 No.   7   ON indication Lights   1   Tersaki/Schenider   06 Nos.   8   Push Button ON/OFF   1   Tersaki/Schenider   06 Nos.   8   Push Button ON/OFF   1   Tersaki/Schenider   06 Nos.   9   Current Transformer. 1000/5A   Fico/Metekx   01 No.   10   Auxiliary Contactor (4NO+4NC)   Tersaki/Schenider   03 Nos.   12   Auto/Manual Switch.   1   GGT/Cansco/Eqv.   01 No.   13   Surge Suppressors.   1   EMEMPAR   18 Nos.   14   Exhaust Fan Cassettes.   1   GGT/Cansco/Eqv.   01 No.   15   Temperature Regulator 0-60C   Alfa Elec/Finder   01 No.   15   Temperature Regulator 0-60C   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   Alfa Elec/Finder   01 No.   2   Each.   2   Auto/Manual Switch.   1   GGT/Cansco/Finder   01 No.   2   Each.   2   Carrent Protection   2   Carrent Protection   2   Carrent Protection   3   Carrent Protection   4   Carrent Protection   4   Carrent Protection   5   Carrent Protection   6   Carrent P			- ", " uponing	g the r	ront	Фоог.		•
1   Power Capacitor 25KVAR	<del> </del>	_	<del></del>	<u> </u>		<u>!</u>		
2 Magnetic Contactor 50A AC3 for 25kvar  3 Power Capacitor 50k VAR  4 Magnetic Contactor 105A AC3 for 25kvar  1 Fersaki/Schenider/Missubis/ABB, 02 Nos.  4 Magnetic Contactor 105A AC3 for 50kvar  1 Fersaki/Schenider/Missubis/ABB, 02 Nos.  5 63A HRC Fuses with bases  1 Efen/Jenmuller/DF-Electric/Himel, 12 Nos.  6 Reactive Power Factor Controller 06-Steps  1 Efen/Jenmuller/DF-Electric/Himel, 06 Nos.  6 Reactive Power Factor Controller 06-Steps  1 Efen/Jenmuller/DF-Electric/Himel, 06 Nos.  7 ON indication Lights  1 Tersaki/Schenider 12 Nos.  9 Current Transformer, 1000/5A  1 Fiso/Metelx  10 In Austillary Contactor (4NO+4NC)  11 GA Control MCB S/P For Protection  12 Tersaki/Schenider  13 Surge Suppressors.  14 Exhaust Fan Cassettes.  15 Terperature Regulator 0-60C  15 Terperature Regulator 0-60C  16 Exhaust Fan Cassettes.  17 Experiment Poly in the Casset Interport of 10 No.  18 Surge Suppressors.  19 EPMPAK  18 Nos.  19 Exhaust Fan Cassettes.  10 Imported.  10 In No.  10 Austillary Contactor of Commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each PhaserNetural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each PhaserNetural & link as per outgoing circuit breaker, including 400A Main copper bus bas Suitable Size: For Each PhaserNetural & link as per outgoing circuit	<b> </b> -		<del></del> ,	) [		1		
3   Power Capacitor 50K-VAR   1   Iskaru/Entes/Enfertos/ZEZJAmber/GE   04 Nos.	<del>-</del>							
4 Magnetic Contactor 105A AC3 for 50kvar 5 63A HRC Fuses with bases 1 Efen/Jennuller/DF-Electric/Himel. 1 Nos. 5 123A HRC Fuses with bases 1 Efen/Jennuller/DF-Electric/Himel. 6 Reactive Power Factor Controller 06-Steps 4 Entes/Inter/Mikro 0 No. 7 ON indication Lights 4 Terasakii/Schenider 1 Nos. 8 Push Button ON/OFF 1 Terasakii/Schenider 1 Nos. 9 Current Transformer. 1000/5A 1 Fico/Metelx 0 Nos. 10 Auxiliary Constactor (4NO-4NC) 11 GA Control MCB S/P For Protection 1 Terasakii/Schenider 1 Nos. 12 Auto/Manual Switch. 13 Surge Suppressors. 1 PEMPAK 18 Nos. 14 Exhaust Fan Cassettes. 1 Imported. 15 Temperature Regulator 0-60C 15 Temperature Regulator 0-60C 15 Temperature Regulator 0-60C 16 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexible copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 mirron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBS/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legrand Eu./MBB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA  1 GOT/ANS/Himel 1 GOT/								
5 63A RRC Fuses with bases 5 125A HRC Fuses with bases 1 Efen/Jennuller/DF-Electric/Himel. 96 Nos. 5 125A HRC Fuses with bases 1 Efen/Jennuller/DF-Electric/Himel. 96 Nos. 6 Reactive Power Factor Controller 06-Steps 1 Entes/Inter/Mikro 01 No. 7 ON indication Lights 1 Terasakil/Schneider 96 Nos. 8 Push Button ON/OFF 1 Terasakil/Schneider 12 Nos. 9 Current Transformer, 1000/5A 1 Fico/Netebx 01 No. 10 Auxiliary Contactor (4NO+4NC) 1 Togami/Hatachi/Eq.v. 04 Nos. 11 6A Control MCB SP For Protection 1 Terasakil/Schneider 03 Nos. 12 Auto/Manual Switch. 1 GGT/Camsco/Eq.v. 01 No. 13 Surge Suppressors. 1 PEMPAK 18 Nos. 14 Exhaust Fan Cassettes. 1 Imported. 01 No. 15 Temperature Regulator 0-60C 1 Alfa Elec/Finder 01 No. 2 Each. 5.00 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE, with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make, of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top on Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu/Mitsubishi Japan/Legrand/Schneider 14 Nos.  8 SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNEA 1 INCOMING 1 4 Objetal Volt Meter 0-600V 1 Entes/Camsco/Himel 01 No. 2 Digital Ampere Meter 400/5A 1 Entes/Camsco/Himel 01 No. 3 Ampere Selector Switch 1 GGT/ANS/Himel 01 No. 4 Digital Volt Meter 0-600V 1		_						
5 125A HRC Fuses with bases   Efen/Jemmuller/DF-Electric/Himel. 06 Nos. 6 Reactive Power Factor Controller 06-Steps   Entest/Inter/Mikro   01 No. 7 ON indication Lights   Teraskil/Schneider   12 Nos. 8 Push Button ON/OFF   Teraskil/Schneider   12 Nos. 9 Current Transformer, 1000/5A   Fice/Metelx   01 No. 10 Auxiliary Contactor (4NO+4NC)   Tegami/Hatachi/Egv.   04 Nos. 11 6A Control MCB S/P For Protection   Teraskil/Schneider   03 Nos. 12 Auto/Manual Switch.   GGT/Camsco/Eqv.   01 No. 13 Surge Suppressors.   PEMPAK   18 Nos. 14 Exhaust Fan Cassettes.   Imported.   01 No. 15 Temperature Regulator 0-60C   Affa Elec/Finder   01 No. 15 Temperature Regulator 0-70C   Affa Elec/Finder   01 No. 2 Each. 3.00 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE, with Incoming 400A TP MCCB, Instrument Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link' as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make, of 16 SWG miled steel sheet facilated, Indoor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreesed and derusted, zinc phosphated, finished with electro-static powder coating of 80 olo micron thickness in approved colour with hinged door, lockable handle, all live par coverd with safty sheet, internal control & power wriring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCB8/MCBs, Make in Terraskil Japan/Schneider Eu/Mitsubishi Japan/Legrand/Eu/MBB Eu.shall be installed inside the panel having a further M. S. protective sheet and accessible only by obening the front door, All MCCBs shall be rated at 50oC and 23KA.   Terraskil Japan/Legrand/Schneider   01 No.   Entes/Camsco/Himel   01 No.   Entes/Camsco/Himel   01 No.   Entes/Camsco/H	<b>—</b>	_						
6 Reactive Power Factor Controller 06-Steps 1 Entes/Inter/Mikro 01 No. 7 ON indication Lights 1 Terasakii/Schneider 06 Nos. 8 Push Button ON/OFF 1 Terasakii/Schneider 12 Nos. 9 Current Transformer. 1000/5A 1 Fico/Metelx 01 No. 10 Auxiliary Contactor (4NOv4NC) 1 Togami/Haachi/Eq., 04 Nos. 11 6A Control MCB SP For Protection 1 Terasakii/Schneider 03 Nos. 12 Auto/Manual Switch. 1 GGT/Camsco/Eq. 01 No. 13 Surge Suppressors. 1 PEMPAK 18 Nos. 14 Exhaust Fan Cassettes. 1 Imported. 01 No. 15 Temperature Regulator 0-60C 1 Alfa Elec/Finder 01 No. 2 Each. 15 Temperature Regulator 0-60C 1 Alfa Elec/Finder 01 No. 2 Each. 15 Temperature Regulator 0-60C 1 Alfa Elec/Finder 01 No. 2 Each. 15 Temperature Regulator 0-60C 1 Alfa Elec/Finder 01 No. 2 Each. 16 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, SOHZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with clectro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu/Mitsubishi Japan/Legrand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA 1 Entersoca/Himel 01 No. 1 Entes/Camsco/Himel 01 No. 1 Entes/Camsco/Himel 01 No. 1	<del> </del>	_						
7 ON indication Lights 8 Push Button ON/OFF 1 Terasakil/Schneider 12 Nos. 9 Current Transformer. 1000/5A 1 Fico/Metelx 10 I No. 10 Auxiliary Contactor (4NO+4NC) 11 GA Centrol MCB S/P For Protection 11 GA Centrol MCB S/P For Protection 12 Auto/Manual Switch. 13 Surge Suppressors. 14 Exhaust Fan Cassettes. 15 Temperature Regulator 0-60C 15 Temperature Regulator 0-60C 16 AyNAE. with Incoming 400A TP MCCB, Instrument Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Ncheider Eu/Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNEA  In GGT/ANS/Himel In GGT/ANS/Himel In GGT/ANS/Hime	<del> </del>							
8 Push Button ON/OFF I Terasakil/Schneider 12 Nos. 9 Current Transformer 1000/5A I Fice/Metelk 01 No. 10 Auxiliary Contactor (4NO+4NC) I Togami/Hatachi/Eqv. 04 Nos. 11 I GA Control MCB S/P For Protection I Terasakil/Schneider 03 Nos. 12 Auto/Manual Switch. I GGT/Camsco/Eqv. 01 No. 13 Surge Suppressors. I PEMPAK 18 Nos. 14 Exhaust Fan Cassettes. I Imported. 01 No. 15 Temperature Regulator 0-60C I Inported. 01 No. 15 Temperature Regulator 0-60C I Inported. 01 No. 16 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 17 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 18 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No. 19 No	$\vdash$	7	ON indication Lights					
9 Current Transformer, 1000/5A   1 Fico/Metek   01 No.   10 Auxiliary Contactor (4NO+4NC)   1 Togami/Hatachi/Eqv.   04 Nos.   11 6A Control MCD S/P For Protection   1 Terasaki/Schneider   03 Nos.   12 Auto/Manual Switch.   1 GGT/Camsco/Eqv.   01 No.   13 Surge Suppressors.   1 PEMPAK   18 Nos.   14 Exhaust Fan Cassettes.   1 Imported.   01 No.   15 Temperature Regulator 0-60C   1 Alfa Elec/Finder   01 No.   2 Each.   3 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecurrent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legrand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA   Image and the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA   Image and the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA   Image and the panel having a further M.S. protective sheet and accessible only by opening the front door.	<b>-</b>						į	
10   Auxiliary Contactor (ANO+4NC)   1   Togami/Hatachi/Eqv.   04 Nos.     11   6A Control MCB 5/P For Protection   1   Terasaki//Schneider   03 Nos.     12   Auto/Manual Switch.   1   GGT/Camsos/Eqv.   01 No.     13   Surge Suppressors.   1   PEMPAK   18 Nos.     14   Exhaust Fan Cassettes.   1   Imported.   01 No.     15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.     15   Temperature Regulator o-60C   1   Alfa Elec/Finder   01 No.     15   Temperature Regulator o-60C   1   Alfa Elec/Finder   01 No.     16   GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A     Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legrand Eu/ABB Eu-shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.   Terasaki Japan/Jegrand/Schneider   01 No.     1 400A TP MCCB 25KA   Terasaki Japan/Jegrand/Schneider   01 No.     1 GGT/ANS/Himel   01 No.     1					uer			
11   6A Control MCB S/P For Protection   1 Terasakil/Schneider   03 Nos.     12   Auto/Manual Switch.   1 GGT/Camsco/Eqv.   01 No.     13   Surge Suppressors.   1 PEMPAK   18 Nos.     14   Exhaust Fan Cassettes.   1 Imported.   01 No.     15   Temperature Regulator 0-60C   1 Alfa Elec/Finder   01 No.     15   Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA   IncoMing								
12 Auto/Manual Switch.   1 GGT/Camsco/Eqv.   01 No.     13 Surge Suppressors.   1 PEMPAK   18 Nos.     14 Exhaust Fan Cassettes.   1 Imported.   01 No.     15 Temperature Regulator 0-60C   1 Alfa Elec/Finder   01 No.     15 Temperature Regulator 0-60C   1 Alfa Elec/Finder   01 No.     16 GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A     Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,PEL make. of 16 SWG miled steel sheef fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respeCurrent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at SooC and 25KA   1 SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNEA   1 400A TP MCCB 25KA   1 Entes/Camsco/Himel   01 No.   2 Digital Ampere Meter 400/5A   1 Entes/Camsco/Himel   01 No.   3 Ampere Selector Switch   1 GGT/ANS/Himel   01 No.   5 Volt Selector Switch   1 GGT/ANS/Himel   01 No.   1 Entes/Camsco/Himel   01								
13 Surge Suppressors.  1 PEMPAK 18 Nos.  14 Exhaust Fan Cassettes.  1 Imported.  10 No.  15 Temperature Regulator 0-60C  1 Imported.  10 No.  16 Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live-part coverd with safty sheet, internal control & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  1 SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNEA  1 A00A TP MCCB 25KA  2 Digital Ampere Meter 400/5A  1 Entes/Camsco/Himel  1 400A TP MCCB 25KA  1 Entes/Camsco/Himel  1 1 01 No.  2 Digital Volt Meter 0-600V  1 Entes/Camsco/Himel  1 1 01 No.  3 Ampere Selector Switch  1 GGT/ANS/Himel  1 1 Terasaki/Jschneider  3 Nos.  4 Digital Volt Meter 0-600V  1 Entes/Camsco/Himel  1 1 Terasaki/Schneider  3 Nos.  5 Volt Selector Switch  1 GTRANS/Himel  1 Terasaki/Jschneider  3 Nos.  4 Digital Volt Meter 0-600V  1 Terasaki/Jschneider  5 Not Selector Switch  1 Terasaki/Jschneider  5 Not Selector Switch  1 Terasaki/Jschneider  5 Not Selector Switch  1 Terasaki/Jschneider  5 Nos.								-
14   Exhaust Fan Cassettes.   1   Imported.   01 No.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   2   Each.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   15   Temperature Regulator 0-60C   1   Alfa Elec/Finder   01 No.   15   Temperature Regulator 0-60C   1   Temperature Regulator 1-60C   1   Temperature Regu		_			<u></u>		j	
S   Temperature Regulator 0-60C						$\overline{}$		
Supply, installation, testing, commissioning of SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNAE, with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,PEL make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA  B''  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 1 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15	Temperature Regulator 0~60C		er ·		,	Fach
GAYNAE. with Incoming 400A TP MCCB, Insturement Protection & outgoing circuit breaker, including 400A Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu/Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA  SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  1 Entes/Camsco/Himel  1 400A TP MCCB 25KA  1 Entes/Camsco/Himel  1 1 No.  4 Digital Volt Meter 0-600V  1 Entes/Camsco/Himel  1 1 No.  5 Volt Selector Switch  1 GGT/ANS/Himel  1 1 GGT/ANS/Himel  1 1 No.  6 Current Trasformer 400/5A  1 Fico/Metelx  1 GGT/ANS/Himel  1 No.  7 Indication Lights. R+Y+B  1 Terasaki/Schneider  03 Nos.  7 Indication Lights. R+Y+B  1 Terasaki/Schneider  03 Nos.  8 6AControl MCB for Instrument Protection.  1 Terasaki/Schneider  03 Nos.  1 100A TP MCCB 25KA  1 Terasaki/Schneider  05 Nos.	5.00			BOARD-NORMAL FO	OR TR WA	RD &		Each.
Main copper bus bar Suitable Size: For Each Phase/Netural & link as per outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.    SUB MAIN PANEL BOARD-NORMAL FOR TB WARD & GAYNEA   INCOMING   I Entes/Camsco/Himel   01 No.   2 Digital Ampere Meter 400/5A   I Entes/Camsco/Himel   01 No.   3 Ampere Selector Switch   I GGT/ANS/Himel   01 No.   4 Digital Volt Meter 0-600V   I Entes/Camsco/Himel   01 No.   5 Volt Selector Switch   I GGT/ANS/Himel   01 No.   6 Current Trasformer 400/5A   I Fico/Metelx   03 Nos.   7 Indication Lights. R+Y+B   I Terasakil/Schneider   03 Nos.   8 6AControl MCB for Instrument Protection.   I Terasakil/Schneider   03 Nos.   0 UTGOING   I Terasakil/Schneider		GA'	YNAE, with Incoming 400A TP MCCB, Insturement Protection	& outgoing circuit break	cer includin	~ 400 A		
cubicals asambled with SIEMENS, PEMPAK,PEL make. of 16 SWG miled steel sheet fabricated, Inddor Type, Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  1 GGT/ANS/Himel  1 I GGT/ANS/Himel  1 I Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider  1 Terasaki/Schneider		Mair	n copper bus bar Suitable Size: For Each Phase/Netural & link	as per outgoing circuit h	reaker inch	alled in		
Floor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power, including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  1 1 GGT/ANS/Himel  1 1 GGT/ANS/Himel  1 1 GGT/ANS/Himel  1 1 Fico/Metclx  1 1 Fico/Metclx  1 1 Fico/Metclx  1 1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider  1 1 100A TP MCCB 25KA  1 Terasaki/Schneider	1	cubi	cals asambled with SIEMENS, PEMPAK PFI, make of 16 SW	G miled steel sheet fahrid	cated Inddo	Tuno		
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degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider 01 No.  2 Digital Ampere Meter 400/5A  1 Entes/Camsco/Himel 01 No.  4 Digital Volt Meter 0-600V  1 Entes/Camsco/Himel 01 No.  5 Volt Selector Switch  1 GGT/ANS/Himel 01 No.  6 Current Trasformer 400/5A  1 Fico/Metelx  7 Indication Lights. R+Y+B  1 Terasaki/Schneider 03 Nos.  8 6AControl MCB for Instrument Protection.  1 Terasaki/Schneider 03 Nos.  OUTGOING  1 100A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider 05 Nos.		геqu	irement, door to body Earth with flexibile conner cable system	n voltage 415VAC SON	7 3 Phase	4 11/1-0		
in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respecturent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KÅ.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  I 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  O1 No.  2 Digital Ampere Meter 400/5A  I Entes/Camsco/Himel  O1 No.  4 Digital Volt Meter 0~600V  I Entes/Camsco/Himel  O1 No.  5 Volt Selector Switch  I GGT/ANS/Himel  O1 No.  6 Current Trasformer 400/5A  I Fico/Metelx  O3 Nos.  7 Indication Lights. R+Y+B  I Terasaki/Schneider  O3 Nos.  0 UTGOING  I 100A TP MCCB 25KA  I Terasaki Japan/Legrand/Schneider  O5 Nos.		degr	eased and derusted, zinc phosphated, finished with electro-static	nowder coating of 80-10	2, 3-1 mase.	ialenaaa		
power wiring from protection & power., including cost of all necessary materials complete in all respeCurrent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  1 Digital Ampere Meter 400/5A  1 Entes/Camsco/Himel  1 No.  4 Digital Volt Meter 0-600V  1 Entes/Camsco/Himel  1 No.  5 Volt Selector Switch  1 GGT/ANS/Himel  1 No.  6 Current Trasformer 400/5A  1 Fico/Metelx  1 GGT/ANS/Himel  1 No.  6 Current Trasformer 400/5A  1 Fico/Metelx  1 Terasakil/Schneider		in a	proved colour with hinged door lockable handle all live part	coverd with caffy sheet	internal co	ntral P		
Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mitsubishi Japan/Legarand Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  2 Digital Ampere Meter 400/5A  I Entes/Camsco/Himel  01 No.  3 Ampere Selector Switch  I GGT/ANS/Himel  01 No.  4 Digital Volt Meter 0~600V  I Entes/Camsco/Himel  01 No.  5 Volt Selector Switch  I GGT/ANS/Himel  01 No.  6 Current Trasformer 400/5A  I Fico/Metelx  03 Nos.  7 Indication Lights, R+Y+B  I Terasakil/Schneider  03 Nos.  8 6AControl MCB for Instrument Protection.  I Terasakil/Schneider  03 Nos.  OUTGOING  I Terasaki Japan/Legrand/Schneider  05 Nos.		pow	er wiring from protection & power including cost of all pece	covere with saity sileet,	in all mana	nuoi &		
Eu/ABB Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  2 Digital Ampere Meter 400/5A  3 Ampere Selector Switch  4 Digital Volt Meter 0~600V  5 Volt Selector Switch  6 Current Trasformer 400/5A  1 Fico/Metelx  7 Indication Lights. R+Y+B  8 6AControl MCB for Instrument Protection.  1 Indication Lights Instrument Protection.  1 Terasaki Japan/Legrand/Schneider		Tran	sformer All above MCCBs/MCBs Make in Terasaki Jana	osary materials complete	an an respe	Current	}	
Opening the front door, All MCCBs shall be rated at 50oC and 25KA.  B"  SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  I 400A TP MCCB 25KA  Terasaki Japan/Jegrand/Schneider  Digital Ampere Meter 400/5A  Ampere Selector Switch  I GGT/ANS/Himel  Digital Volt Meter 0~600V  I Entes/Camsco/Himel  O1 No.  Volt Selector Switch  I GGT/ANS/Himel  O1 No.  S Volt Selector Switch  I GGT/ANS/Himel  O1 No.  Terasaki/Schneider  O3 Nos.  A floication Lights, R+Y+B  I Terasaki/Schneider  OUTGOING  I Terasaki/Schneider  OUTGOING  I Terasaki/Schneider  O5 Nos.  Terasaki/Japan/Legrand/Schneider  O5 Nos.		Eu/A	ABB Eu shall be installed inside the panel baying a further M	S protective chast and	on Japan/L	egarand		. :
SUB MAIN PANEL BOARD- NORMAL FOR TB WARD & GAYNEA  INCOMING  I 400A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  Digital Ampere Meter 400/5A  Ampere Selector Switch  Digital Volt Meter 0–600V  I Entes/Camsco/Himel  I GGT/ANS/Himel  I GGT/ANS/Himel  OI No.  Volt Selector Switch  I GGT/ANS/Himel  OI No.  Current Trasformer 400/5A  I Fico/Metelx  O3 Nos.  Indication Lights, R+Y+B  I Terasakil/Schneider  O3 Nos.  OUTGOING  I 100A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  O5 Nos.		oner	ning the front door. All MCCRs shall be rated at 500C and 2514	.s. protective sneet and	accessible	опіу бу і	1	•
INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Begrand/Schneider  2 Digital Ampere Meter 400/5A  3 Ampere Selector Switch  4 Digital Volt Meter 0~600V  5 Volt Selector Switch  6 Current Trasformer 400/5A  7 Indication Lights. R+Y+B  8 6AControl MCB for Instrument Protection.  OUTGOING  1 1 100A TP MCCB 25KA  Terasaki Japan/Begrand/Schneider  1 1 100A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider	B"	~ ~ ~ 1	and from section become shall be taked at 5000 and 25KA	<del></del>	<del></del> -			
INCOMING  1 400A TP MCCB 25KA  Terasaki Japan/Begrand/Schneider  2 Digital Ampere Meter 400/5A  3 Ampere Selector Switch  4 Digital Volt Meter 0~600V  5 Volt Selector Switch  6 Current Trasformer 400/5A  7 Indication Lights. R+Y+B  8 6AControl MCB for Instrument Protection.  OUTGOING  1 1 100A TP MCCB 25KA  Terasaki Japan/Begrand/Schneider  1 1 100A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider  1 Terasaki Japan/Legrand/Schneider			SUB MAIN PANEL BOARD-NORMAL FOR TRIVARD & CAV	NF.A				
1 400A TP MCCB 25KA  2 Digital Ampere Meter 400/5A  3 Ampere Selector Switch  4 Digital Volt Meter 0~600V  5 Volt Selector Switch  6 Current Trasformer 400/5A  7 Indication Lights. R+Y+B  8 6AControl MCB for Instrument Protection.  OUTGOING  1 Grasaki Japan/Begrand/Schneider  O1 No.  1 GGT/ANS/Himel  O1 No.  1 GGT/ANS/Himel  O1 No.  1 Fico/Metelx  O3 Nos.  1 Terasakil/Schneider  O3 Nos.  1 Terasakil/Schneider  O3 Nos.  OUTGOING  1 Terasaki Japan/Legrand/Schneider  O5 Nos.			INCOMING	1				
2 Digital Ampere Meter 400/5A		1		Terasaki Japan/Isegrand/Scl	hneider	01 No	_	
3 Ampere Selector Switch I GGT/ANS/Himel 01 No. 4 Digital Volt Meter 0~600V I Entes/Camsco/Himel 01 No. 5 Volt Selector Switch I GGT/ANS/Himel 01 No. 6 Current Trasformer 400/5A I Fico/Metelx 03 Nos. 7 Indication Lights. R+Y+B I Terasakil/Schneider 03 Nos. 8 6AControl MCB for Instrument Protection. I Terasakil/Schneider 03 Nos. OUTGOING I Terasaki Japan/Legrand/Schneider 05 Nos.		2						
4 Digital Volt Meter 0~600V 5 Volt Selector Switch 6 Current Trasformer 400/5A 7 Indication Lights, R+Y+B 1 Terasakil/Schneider 8 6AControl MCB for Instrument Protection. 1 Indication Lights Instrument Protection. 1 Terasakil/Schneider 1 Indication Lights Instrument Protection. 2 Indication Lights Instrument Protection. 3 Nos. 4 OUTGOING 5 Indication Lights, R+Y+B 7 Indication Lights, R+Y+B 8 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Indication Lights, R+Y+B 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Instrument Protection. 9 Ins	[	3						
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6 Current Trasformer 400/5A		5	<del></del>	<del></del>				
7 Indication Lights. R+Y+B I Terasakil/Schneider 03 Nos.  8 6AControl MCB for Instrument Protection. I Terasakil/Schneider 03 Nos.  OUTGOING I Terasaki Japan/Legrand/Schneider 05 Nos.  1 100A TP MCCB 25KA Terasaki Japan/Legrand/Schneider 05 Nos.		6	<del> </del>	<del></del>				
8 6AControl MCB for Instrument Protection.  OUTGOING  I 100A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider  05 Nos.  Terasaki Japan/Legrand/Schneider  05 Nos.		7	Indication Lights, R+Y+B		der			
OUTGOING  I 100A TP MCCB 25KA  Terasaki Japan/Legrand/Schneider 05 Nos.		_8		<del> </del>				
I 100A TP MCCB 25KA Terasaki Japan/Legrand/Schneider 05 Nos.				A I				
( ) A TOMOCO SEA (SDADE)		ı	100A TP MCCB 25KA	Terasaki Japan/Legrand/	Schneider			
1		2	63A TP MCCB 25KA (SPARE)	4 1 1			1.	Each
				il		1	-	

.00		Description			Qty:	Unit
	Supr	ply, installation, testing, commissioning of DISTRIBUTION BO	OARD DB-NORMAL FOR TR WA	RD &		
		YNAE with Incoming From MAIN &SMPB, Indication Lam				•
		60A Main copper bus bar/Cable Suitable For Each Phase/Net				1
		ker, installed in cubicals asambled with SIEMENS, PEMPAK				-
		icated, Indoor Type, Wall Mounting, Insulation class 600VAC, In				
		er site requirement, door to body Earth with flexibile copper cable			-	
		e, degreased and derusted, zinc phosphated, finished with elect				
	thick	mess in approved colour with hinged door, lockable handle, al	Il live part coverd with safty sheet,	internal		
		rol & power wiring from protection & power,, including cost				
		eCurrent Transformer All above MCCBs/MCBs, Make in Terr				
	1	le the panel having a further M.S. protective sheet and accessible				
	1	be rated at 50oC.	only by opening the front door. Ath	MCCDS		
	•	INCOMING		1		
	1	100A TP MCCB 25KA	Townski Janen/Lagrand/Cahasidas	O1 No		
-	2	Digital Volt Meter 0~600V	Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel	01 No.		
	-	Volt Selector Switch	GGT/ANS/Himel	01 No.		
	4	Indication Lights. R+Y+B	Terasakil/Schneider	01 No.		
	1	6A Control MCB for Instrument Protection.	Terasakii/Schneider Terasakii/Schneider	03 Nos.		
	╁╌	OUTGOING	Terasakii/Schneider	03 Nos.		
	1	32A SP MCB 6KA	Terasaki Japan/Legrand/Schneider	03 Nos.		
	2	16/20 SP MCB 6KA	Terasaki Japan/Legrand/Schneider		-	E-
.00	ļ <u> </u>		LEE BOARD MODALAL FOR M	18 Nos.	_5	Eac
.00	1	ply, installation, testing, commissioning of SUB MAIN PAN				
		MALE, with Incoming 400A TP MCCB, Insturement Protections	• •	-		
		n copper bus bar Suitable Size: For Each Phase/Netural & link				
		icals asambled with SIEMENS, PEMPAK, PEL make. of 16 SW				
		or/Wall Mounting, Insulation class 600VAC, Incoming/Outgo				
	3	irement, door to body Earth with flexibile copper cable, system	- · · · · · · · · · · · · · · · · · · ·			
	degi	reased and derusted, zinc phosphated, finished with electro-static	powder coating of 80-100 micron t	hickness		
	in a	pproved colour with hinged door, lockable handle, all live part	t coverd with safty sheet, internal co	ontrol &		
	pow	er wiring from protection & power., including cost of all necessition	ssary materials complete in all respe	eCurrent		
						1
		nsformer All above MCCBs/MCBs, Make in Terasaki Japas				
	Tran	nsformer All above MCCBs/MCBs, Make in Terasaki Japas ABB Eu.shall be installed inside the panel having a further M	n/Schneider Eu./Mitsubishi Japan/L	egarand		
	Tran Eu/a	ABB Eu.shall be installed inside the panel having a further M	n/Schneider Eu./Mitsubishi Japan/L LS. protective sheet and accessible	egarand		
	Tran Eu/a	ABB Eu.shall be installed inside the panel having a further Manager the front door. All MCCBs shall be rated at 50oC and 25KA	n/Schneider Eu./Mitsubishi Japan/L LS. protective sheet and accessible	egarand		
	Tran Eu/a	ABB Eu.shall be installed inside the panel having a further Mining the front door. All MCCBs shall be rated at 50oC and 25KA SUB MAIN PANEL BOARD-NORMAL FOR MALE & FEMALE INCOMING	n/Schneider Eu./Mitsubishi Japan/L LS. protective sheet and accessible	egarand		
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3.00	Train Eu/A ones I 1 2 3 4 4 5 6 7 8 8 I 1 2 Sup FEI 100 breat fabricas provide thic contract insists shall 1 2	ABB Eu.shall be installed inside the panel having a further Mining the front door. All MCCBs shall be rated at 50oC and 25KA SUB MAIN PANEL BOARD-NORMAL FOR MALE & FEMALE INCOMING  400A TP MCCB 25KA  Digital Ampere Meter 400/5A  Ampere Selector Switch  Digital Volt Meter 0~600V  Volt Selector Switch  Current Trasformer 400/5A  Indication Lights. R+Y+B  6AControl MCB for Instrument Protection.  OUTGOING  100A TP MCCB 25KA (SPARE)  ply, installation, testing, commissioning of DISTRIBUTION MALE with Incoming From MAIN &SMPB, Indication Land/60A Main copper bus bar/Cable Suitable For Each Phase/Neaker, installed in cubicals asambled with SIEMENS, PEMPAR ricated, Indoor Type, Wall Mounting, Insulation class 600VAC, Indeed the panel having a further M.S. protective sheet and accessible at the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M	Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel GGT/ANS/Himel Entes/Camsco/Himel GGT/ANS/Himel Fico/Metelx Terasakil/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider BOARD DB-NORMAL FOR Many, Insturement Protection Fuse, insturant & link as per above outgoin K,PEL make. of 16 SWG miled state in the state of the system voltage 415VAC, 50HZ, 3-tro-static powder coating of 80-100 all live part coverd with safty sheet of all necessary materials complete asaki Japan/Schneider Eu.shall be only by opening the front door. All Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel	only by  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 02 Nos. 02 Nos. ALE & ncluding g circuit gel sheet r Bottom. Phase 4-0 micror internate in all installed MCCBs.	1	Ea
33.00	Train Eu/A ones I 1 2 3 4 4 5 6 7 8 8 I 1 2 Sup FEI 100 brea fabrias properties insistant in thick concress in thick concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concress in the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the concrete the conc	ABB Eu.shall be installed inside the panel having a further Mining the front door. All MCCBs shall be rated at 50oC and 25KA SUB MAIN PANEL BOARD-NORMAL FOR MALE & FEMALE INCOMING  400A TP MCCB 25KA  Digital Ampere Meter 400/5A  Ampere Selector Switch  Digital Volt Meter 0~600V  Volt Selector Switch  Current Trasformer 400/5A  Indication Lights. R+Y+B  6AControl MCB for Instrument Protection.  OUTGOING  100A TP MCCB 25KA (SPARE)  oply, installation, testing, commissioning of DISTRIBUTION MALE with Incoming From MAIN &SMPB, Indication Land/60A Main copper bus bar/Cable Suitable For Each Phase/Neaker, installed in cubicals asambled with SIEMENS, PEMPAR ricated, Indoor Type, Wall Mounting, Insulation class 600VAC, Indeed the panel having a further M.S. protective sheet and accessible at the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further	Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel GGT/ANS/Himel Entes/Camsco/Himel GGT/ANS/Himel Fico/Metelx Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel GGT/ANS/Himel	only by  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 02 Nos. 04 Reger Service Sheet of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t		Ea
33.00	Train Eu/A ones I 1 2 3 4 4 5 6 7 8 8 I 1 2 Sup FEI 100 brea fabrias FEI winthic contrast insistant in 1 2 3 3 4 4	ABB Eu.shall be installed inside the panel having a further Mining the front door. All MCCBs shall be rated at 50oC and 25KA SUB MAIN PANEL BOARD- NORMAL FOR MALE & FEMALE INCOMING  400A TP MCCB 25KA  Digital Ampere Meter 400/5A  Ampere Selector Switch  Digital Volt Meter 0~600V  Volt Selector Switch  Current Trasformer 400/5A  Indication Lights. R+Y+B  6AControl MCB for Instrument Protection.  OUTGOING  100A TP MCCB 25KA  100A TP MCCB 25KA (SPARE)  Toply, installation, testing, commissioning of DISTRIBUTION  MALE with Incoming From MAIN &SMPB, Indication Land  1/60A Main copper bus bar/Cable Suitable For Each Phase/Neaker, installed in cubicals asambled with SIEMENS, PEMPAH  ricated, Indoor Type, Wall Mounting, Insulation class 600VAC, In  the site requirement, door to body Earth with flexibile copper cable  there site requirement, door to body Earth with flexibile copper cable  there degreased and derusted, zinc phosphated, finished with elected as in approved colour with hinged door, lockable handle, a  throl & power wiring from protection & power., including costs of the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the panel having a further M.S. protective sheet and accessible and the pa	Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel GGT/ANS/Himel Entes/Camsco/Himel GGT/ANS/Himel Fico/Metelx Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider BOARD DB-NORMAL FOR M The properties of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the s	only by  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 02 Nos. 02 Nos. 04 Reel sheet reel sheet reel sheet reel sheet rete in all installed MCCBs  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos		Ea
3.00	Train Eu/A ones I 1 2 3 4 4 5 6 7 8 8 I 1 2 Sup FEI 100 brea fabrias FEI winthic contrast insistant in 1 2 3 3 4 4	ABB Eu.shall be installed inside the panel having a further Mining the front door. All MCCBs shall be rated at 50oC and 25KA SUB MAIN PANEL BOARD- NORMAL FOR MALE & FEMALE INCOMING  400A TP MCCB 25KA  Digital Ampere Meter 400/5A  Ampere Selector Switch  Digital Volt Meter 0~600V  Volt Selector Switch  Current Trasformer 400/5A  Indication Lights. R+Y+B  6AControl MCB for Instrument Protection.  OUTGOING  100A TP MCCB 25KA (SPARE)  Toply, installation, testing, commissioning of DISTRIBUTION MALE with Incoming From MAIN & SMPB, Indication Larker, installed in cubicals asambled with SIEMENS, PEMPARTICATE, installed in cubicals asambled with SIEMENS, PEMPARTICATE, installed in cubicals asambled with flexibile copper cable resiste requirement, door to body Earth with flexibile copper cable senses in approved colour with hinged door, lockable handle, a strol & power wiring from protection & power, including cost pecurrent Transformer All above MCCBs/MCBs, Make in Testide the panel having a further M.S. protective sheet and accessible all be rated at 50oC.  INCOMING  100A TP MCCB 25KA  Digital Volt Meter 0~600V  Volt Selector Switch  Indication Lights. R+Y+B  6A Control MCB for Instrument Protection.	Terasaki Japan/Legrand/Schneider Entes/Camsco/Himel GGT/ANS/Himel Entes/Camsco/Himel GGT/ANS/Himel Fico/Metelx Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider BOARD DB-NORMAL FOR M The properties of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the s	only by  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 02 Nos. 02 Nos. 04 Reel sheet reel sheet reel sheet reel sheet rete in all installed MCCBs  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos	1	Ea

<i>u</i> 1		·	(	<u>  u                                   </u>	
#	Description			Qty:	Un
<sup>)0</sup>  Sup	oply, installation, testing, commissioning of SUB MAIN PANEL	L BOARD-NORMAL FOR PHAR	MACY.		
WIL	in incoming 400A TP MCCB, Insturement Protection & outgoing	circuit breaker, including 400A Mai	n conner		
Dus	bar Suitable Size: For Each Phase/Netural & link as per out	tgoing circuit breaker, installed in	cubicals	٠.	
asa	mbled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled st	teel sheet fabricated, Inddor Type, Flo	nor/Wall		
Mọ	unting, Insulation class 600VAC, Incoming/Outgoing connection	Top or Bottom as per site requirement	ont door		
to	body Earth with flexibile copper cable, system voltage 415V	AC 50HZ 3-Phase 4-Wire degree	ont, uooi		
der	usted, zinc phosphated, finished with electro-static powder coat	ing of 80-100 migran thiskness in	ised and		
col	our with hinged door, lockable handle, all live part coverd with	eafty shoot internal control 8	ipproved		
fro	m protection & power., including cost of all necessary materials	complete in all respectivement Transfer	r wiring		
abo	we MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu./Mits	subject in an respectment transio	mer All		
inst	alled inside the panel having a further M.S. protective sheet and a	acceptable only by one in the first	snall be		
МС	CRs shall be rated at 500C and 25KA	accessible only by opening the front of	ioor. All		
	SUB MAIN PANEL BOARD- NORMAL FOR PHARMACY		1		
	INCOMING		+		
1	400A TP MCCB 25KA	Terasaki Japan/Legrand/Schneider	01 No.		<del>-</del>
2	Digital Ampere Meter 400/5A	Entes/Camsco/Himel	01 No.	-	
3	Ampere Selector Switch	GGT¥ANS/Himel	01 No.		<del>-</del> -
4	Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		<del>                                     </del>
5	Volt Selector Switch	GGT/ANS/Himel	01 No.		
6	Current Trasformer 400/5A	Fico/Metelx	03 Nos.		
7	Indication Lights. R+Y+B	Terasakil/Schneider	03 Nos.		
8	6AControl MCB for Instrument Protection.	Terasakil/Schneider	03 Nos.		
	OUTGOING				
1 2	100A TP MCCB 25KA 63A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Schneider	03 Nos.		
	<u> </u>	Terasaki Japan/Legrand/Schneider	02 Nos.	1	Eac
v Sur	ply, installation, testing, commissioning of DISTRIBUTION Be	OARD DB-NORMAL FOR PHAR	RMACY		
wit	n Incoming From MAIN &SMPB, Indication Lamp, Insturement	nt Protection Fuse, including 100/60	A Main		
cop	per bus bar/Cable Suitable For Each Phase/Netural & link as pe-	above outgoing circuit breaker, ins	talled in		
cub	icals asambled with SIEMENS, PEMPAK, PEL make. of 16 SW	G miled steel sheet fabricated Indo	or Type		
Wa	ll Mounting, Insulation class 600VAC, Incoming/Outgoing conne	ection Top or Bottom as ner site requ	irement	.	
doc	r to body Earth with flexibile copper cable, system voltage 415	VAC 50H7 3-Phase 4-Wire degree	acad and		
der	usted, zinc phosphated, finished with electro-static powder coati	ing of 80 100 misson this was in the	iscu anu		
cole	our with hinged door, lockable handle, all live part coverd with	ang of 80-100 inferon inferness in a	pprovea	-	
from	n protection & nower including seet of all assessed it	sally sheet, internal control & power	r wiring	- 1	7 - 1
abo	n protection & power., including cost of all necessary materials of	complete in all respeCurrent Transform	rmer All		
1400	ve MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall	pe installed inside the panel having a	a further	I	
- IVI.S	5. protective sheet and accessible only by opening the front door.	All MCCBs shall be rated at 50oC.			
	INCOMING				
1	100A TP MCCB 25KA	Terasaki Japan/Legrand/Schneider	01 No.		
3	Digital Volt Meter 0~600V  Volt Selector Switch	Entes/Camsco/Himel	01 No.		
$\frac{3}{4}$		GGT/ANS/Himel	01 No.		-
5	Indication Lights. R+Y+B	Terasakil/Schneider	03 Nos.		
+-	6A Control MCB for Instrument Protection.  OUTGOING	Terasakil/Schneider	03 Nos.		
-	32A TP MCB 6KA				
2	16/20 SP MCB 6KA	Terasaki Japan/Legrand/Schneider	03 Nos.		
	<u> </u>		18 Nos.	3	Eac
	ply, installation, testing, commissioning of SUB MAI	IN PANEL BOARD-NORMAL	FOR		
100	BORATORY, with Incoming 400A TP MCCB, Insturement Pro	tection & outgoing circuit breaker, in	ncluding	ļ	
400	A Main copper bus bar Suitable Size: For Each Phase/Netural &	link as per outgoing circuit breaker,	installed		
iin c	ubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SV	MG miled steel sheet fabricated, Indde	or Type,	į	
	or/Wall Mounting Inculation class 600VAC 1	To connection Ton or Rottom as	ner site	į	
Flo	or/Wall Mounting, Insulation class 600VAC, Incoming/Outgoi	ing connection rop or notion as	ber arref		
requ	irement, door to body Earth with flexibile copper cable, syster	n voltage 415VAC, 50HZ, 3-Phase	4-Wire.	İ	
requ deg	direment, door to body Earth with flexibile copper cable, syster reased and derusted, zinc phosphated, finished with electro-static	n voltage 415VAC, 50HZ, 3-Phase powder coating of 80-100 micron to	4-Wire, hickness		
required deg	direment, door to body Earth with flexibile copper cable, syster reased and derusted, zinc phosphated, finished with electro-static approved colour with hinged door, lockable handle, all live part	n voltage 415VAC, 50HZ, 3-Phase powder coating of 80-100 micron to too to the coverd with safty sheet, internal co	4-Wire, hickness ontrol &		
require deg	direment, door to body Earth with flexibile copper cable, syster reased and derusted, zinc phosphated, finished with electro-static approved colour with hinged door, lockable handle, all live partiver wiring from protection & power., including cost of all necessity.	n voltage 415VAC, 50HZ, 3-Phase powder coating of 80-100 micron to toverd with safty sheet, internal cossary materials complete in all respects.	4-Wire, hickness ontrol & Current		
require deg	direment, door to body Earth with flexibile copper cable, syster reased and derusted, zinc phosphated, finished with electro-static approved colour with hinged door, lockable handle, all live partiver wiring from protection & power., including cost of all necessity.	n voltage 415VAC, 50HZ, 3-Phase powder coating of 80-100 micron to toverd with safty sheet, internal cossary materials complete in all respects.	4-Wire, hickness ontrol & Current		
requesting a poventra	direment, door to body Earth with flexibile copper cable, syster reased and derusted, zinc phosphated, finished with electro-static approved colour with hinged door, lockable handle, all live part	n voltage 415VAC, 50HZ, 3-Phase powder coating of 80-100 micron to too to too with safty sheet, internal cossary materials complete in all responses on Schneider Eu./Mitsubishi Japan/L	4-Wire, hickness ontrol & eCurrent egarand		•

opening the front door. All MCCBs shall be rated at 50oC and 25KA. SUB MAIN PANEL BOARD- NORMAL FOR LABORATORY INCOMING 1 400A TP MCCB 25KA Terasaki Japan/Legrand/Schneider 01 No: 2 Digital Ampere Meter 400/5A Entes/Camsco/Himel 01 No. 3 Ampere Selector Switch GGT/ANS/Himel 01 No. Entes/Camsco/Himel 4 Digital Volt Meter 0~600V 01 No. 5 Volt Selector Switch 01 No. GGT/ANS/Himel 6 Current Trasformer 400/5A Fico/Metelx 03 Nos. Indication Lights. R+Y+B Terasakil/Schneider 03 Nos. 8 6AControl MCB for Instrument Protection. Terasakil/Schneider 03 Nos.

S.#		Description			04	11-
	_	OUTGOING		T	Qty:	Un
	1	100A TP MCCB 25KA	Terasaki Japan/Legrand/Schneider	06 Nos.		<u></u>
	2	63A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Schneider	00 Nos.	<del></del>	277
.00	Supp	ply, installation, testing, commissioning of DISTRIB	UTION BOARD DB-NORMAL	1	1	Eac
- 1		BORATORY with Incoming From MAIN &SMPB, Indication				
1	100/	1604 Main conner has been Calle Calable Callette Car Date Discours	Lamp, insturement Protection Fuse, ii	ncluding		
	100/	/60A Main copper bus bar/Cable Suitable For Each Phase/N	etural & link as per above outgoing	g circuit		
	orea	iker, installed in cubicals asambled with SIEMENS, PEMPA	K,PEL make. of 16 SWG miled ste	el sheet		
	fabr	icated, Indoor Type, Wall Mounting, Insulation class 600VAC, I	ncoming/Outgoing connection Top or	Bottom		
1	as p	er site requirement, door to body Earth with flexibile copper cabl	le, system voltage 415VAC, 50HZ, 3-	Phase 4-		
ł	Wir	e, degreased and derusted, zinc phosphated, finished with elec-	ctro-static powder coating of 80-100	micron		
1	thicl	kness in approved colour with hinged door, lockable handle,	all live part coverd with safty sheet,	internal		
	cont	trol & power wiring from protection & power., including cos	st of all necessary materials comple	te in all		
1	resp	eCurrent Transformer All above MCCBs/MCBs, Make in Te	rasaki Japan/Schneider Eu.shall be	installed		
1	insid	de the panel having a further M.S. protective sheet and accessibl	e only by opening the front door. All	<b>MCCBs</b>		
	shal	l be rated at 50oC.				
		INCOMING	v			
	1	100A TP MCCB 25KA	Terasaki Japan/Legrand/Schneider	01 No.		
		Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		
[		Volt Selector Switch	GGT/ANS/Himel	01 No.		
[		Indication Lights, R+Y+B	Terasakil/Schneider	03 Nos.		
	5	6A Control MCB for Instrument Protection.	Terasakil/Schneider	03 Nos.		
		OUTGOING				
	1	32A TP MCB 6KA	Terasaki Japan/Legrand/Schneider	03 Nos.		
]	2	16/20 SP MCB 6KA	7	18 Nos.	6	Ea
.00	Sup	ply, installation, testing, commissioning of SUB MAIN PANEL	BOARD-NORMAL FOR EMERC	GENCY.		
	with	Incoming 400A TP MCCB, Insturement Protection & outgoing	circuit breaker, including 400A Mais	n copper		-
	bus	bar Suitable Size: For Each Phase/Netural & link as per ou	tgoing circuit breaker, installed in	cubicals		
	asan	nbled with SIEMENS, PEMPAK, PEL make. of 16 SWG miled s	teel sheet fabricated, Inddor Type, Flo	oor/Wall		
	Mot	unting, Insulation class 600VAC, Incoming/Outgoing connection	Top or Bottom as per site requirement	ent door		
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ļ	to b	pody Earth with flexibile copper cable system voltage 415V	AC 50HZ 3-Phase 4-Wire deores	sed and		l ·
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	#		Description			Qty:	Unit
	7	1	32A TP MCB 6KA	Terasaki Japan/Legrand/Schneider	03 Nos.	Gry.	Oille
		2	16/20 SP MCB 6KA		18 Nos.	. 6	Each.
15.	00 ;	Supp	oly, installation, testing, commissioning of SUB MAIN PA	NEL BOARD-NORMAL FOR	CCU &		Ducii,
		PEE	DS. with Incoming 400A TP MCCB, Insturement Protection	& outgoing circuit breaker, includi	no 400A		
		Main	copper bus bar Suitable Size: For Each Phase/Netural & link	as per outgoing circuit breaker in	stalled in	İ	-
		cubic	cals asambled with SIEMENS, PEMPAK, PEL make. of 16 SW	G miled steel sheet fabricated Indo	for Type		
		Floor	r/Wall Mounting, Insulation class 600VAC, Incoming/Outgoi	ng connection Top or Bottom as	ner site		
		requi	irement, door to body Earth with flexibile copper cable, syster	n voltage 415VAC 50H7 3-Phase	A_Wire		
	-	degra	eased and derusted, zinc phosphated, finished with electro-static	powder coating of 80-100 micron	thickness		
		in ap	proved colour with hinged door, lockable handle, all live part	coverd with safty sheet internal	entral &		-
		powe	er wiring from protection & power., including cost of all neces	ssary materials complete in all rest	eCurrent		
	ľ	Tran	sformer All above MCCBs/MCBs, Make in Terasaki Japan	n/Schneider En /Mitsubishi Janan/	Legarand		
-	1	Eu/A	ABB Eu.shall be installed inside the panel having a further M	S. protective sheet and accessible	only by		
		open	ing the front door. All MCCBs shall be rated at 50oC and 25KA	protective sheet and decession	only by		
			SUB MAIN PANEL BOARD- NORMAL FOR CCU & PEEDS				
$\vdash$	_		INCOMING				
L			400A TP MCCB 25KA	Terasaki Japan/Legrand/Schneider	01 No.		
ļ		$\overline{}$	Digital Ampere Meter 400/5A	Entes/Camsco/Himel	01 No.		
$\vdash$	-		Ampere Selector Switch	GGT/ANS/Himel	01 No.		
_			Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		
-	_		Volt Selector Switch	GGT/ANS/Himel	01 No.		
$\vdash$	-		Current Trasformer 400/5A	Fico/Metelx	03 Nos.	<b> </b>	
$\vdash$			Indication Lights. R+Y+B 6AControl MCB for Instrument Protection.	Terasakil/Schneider	03 Nos.		
$\vdash$	$\dashv$		OUTGOING	Terasakil/Schneider	03 Nos.	<b> </b>	
-	$\dashv$		100A TP MCCB 25KA	Taracaki Isaan (I 1/2 )	0437	<b> </b>	<u> </u>
$\vdash$			63A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Schneider	04 Nos. 02 Nos.	_	
16	.00		oly, installation, testing, commissioning of DISTRIBUTION BC	Terasaki Japan/Legrand/Schneider			Each.
			Incoming From MAIN &SMPB, Indication Lamp, Insturemer				
			er bus bar/Cable Suitable For Each Phase/Netural & link as pe:				
		cubi	cals asambled with SIEMENS, PEMPAK,PEL make. of 16 SW	G miled steel sheet fabricated, Inde	oor Type,	Ì	
-		Wall	Mounting, Insulation class 600VAC, Incoming/Outgoing conne	ction Top or Bottom as per site rea	uirement		
- 1				and to be a better as bet alto ted	#11 0111011C		
		door		· · · · · · · · · · · · · · · · · · ·	,	1 :	
			to body Earth with flexibile copper cable, system voltage 415	VAC, 50HZ, 3-Phase 4-Wire, degree	eased and		
***************************************		deru	to body Earth with flexibile copper cable, system voltage 415° sted, zinc phosphated, finished with electro-static powder coat:	VAC, 50HZ, 3-Phase 4-Wire, degreeing of 80-100 micron thickness in	eased and approved		
		deru: colo	to body Earth with flexibile copper cable, system voltage 415 sted, zinc phosphated, finished with electro-static powder coats ur with hinged door, lockable handle, all live part coverd with	VAC, 50HZ, 3-Phase 4-Wire, degreeing of 80-100 micron thickness in safty sheet, internal control & pow	eased and approved er wiring		
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		deru color from abov M.S.	to body Earth with flexibile copper cable, system voltage 4153 sted, zinc phosphated, finished with electro-static powder coats are with hinged door, lockable handle, all live part coverd with a protection & power., including cost of all necessary materials of the MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall & protective sheet and accessible only by opening the front door. A INCOMING	VAC, 50HZ, 3-Phase 4-Wire, degreeing of 80-100 micron thickness in safty sheet, internal control & power power power power in all respecture that Transfer installed inside the panel having All MCCBs shall be rated at 50oC.  Terasaki Japan/Legrand/Schneider	eased and approved er wiring ormer All		
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17	.00	derus color from abov M.S.  1 2 3 4 5 1 2 Supp HAI included	to body Earth with flexibile copper cable, system voltage 4157 sted, zinc phosphated, finished with electro-static powder coats are with hinged door, lockable handle, all live part coverd with a protection & power., including cost of all necessary materials of the MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall & protective sheet and accessible only by opening the front door. A INCOMING  100A TP MCCB 25KA  Digital Volt Meter 0~600V  Volt Selector Switch  Indication Lights. R+Y+B  6A Control MCB for Instrument Protection.  OUTGOING  32A TP MCB 6KA  16/20 SP MCB 6KA  Dly, installation, testing, commissioning of SUB MAIN PANEI  LL & DIALYSIS. with Incoming 400A TP MCCB, Insturent adding 400A Main copper bus bar Suitable Size: For Each Phase/N	VAC, 50HZ, 3-Phase 4-Wire, degree ing of 80-100 micron thickness in safty sheet, internal control & power complete in all respeCurrent Transfer installed inside the panel having All MCCBs shall be rated at 50oC.  Terasaki Japan/Legrand/Schneider  Entes/Camsco/Himel  GGT/ANS/Himel  Terasakil/Schneider  Terasakil/Schneider  Terasaki Japan/Legrand/Schneider  Terasaki Japan/Legrand/Schneider  Terasaki Japan/Legrand/Schneider  Degrand/Schneider  Terasaki Japan/Legrand/Schneider  L BOARD-NORMAL FOR ADM nent Protection & outgoing circuit detural & link as per outgoing circuit detural & link as per outgoing circuit	eased and approved er wiring ormer All a further 01 No. 01 No. 03 Nos. 03 Nos. 18 Nos. 1N, OPD to breaker, it breaker,	4	Each.
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S.#	6	Current Trasformer 400/5A	1		l ,	Qty:	Unit
		Indication Lights. R+Y+B	Fico/Metelx		03 Nos.		
		6AControl MCB for Instrument Protection.	Terasakil/Schneider		03 Nos.		
	_	OUTGOING	Terasakil/Schneider		03 Nos.		. <u>-</u>
_	_	100A TP MCCB 25KA	Townski love (I seem 4/5 al		1		
$\dashv$		63A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Scl		04 Nos. 02 Nos.		
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H	IAI	LL & DIALYSIS with Incoming From MAIN &SMPB, Ind	DAND DE-NORMAL FOR	CADIVIIN	Y, OPD		
lir	nch	uding 100/604 Main conner bus ber/Cable Suitable For Seal	Catton Lamp, Insturement	Protection	n Fuse,		
"	irci	iding 100/60A Main copper bus bar/Cable Suitable For Each	Phase/Netural & link as per	r above of	utgoing		
61	haa	uit breaker, installed in cubicals asambled with SIEMENS, PE	MPAK, PEL make. of 16 S	SWG mile	ed steel		•
ינן	2011	t fabricated, Indoor Type, Wall Mounting, Insulation class 600	VAC, Incoming/Outgoing co	onnection	Top or		
0	)baa	om as per site requirement, door to body Earth with flexibile cop	per cable, system voltage 41	5VAC, 50	OHZ, 3-		
	11105	se 4-Wire, degreased and derusted, zinc phosphated, finished v	with electro-static powder co	oating of	80-100		
	nicr	on thickness in approved colour with hinged door, lockable i	andle, all live part coverd	with safty	y sheet,		
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		INCOMING					
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	_	Digital Volt Meter 0~600V	Entes/Camsco/Himel		01 No.		
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-		Indication Lights. R+Y+B	i Terasakil/Schneider		03 Nos.		
	5	6A Control MCB for Instrument Protection.	Terasakil/Schneider		03 Nos.		
		OUTGOING	1				
		32A TP MCB 6KA	Terasaki Japan/Legrand/Scl	hneider	03 Nos.		
		16/20 SP MCB 6KA		_	18 Nos.	4	Eac
9.00 S	Supp	ply, installation, testing, commissioning of SUB MAIN PANI	L BOARD-NORMAL &	<b>EMERG</b>	ENCY		
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	3	Ampere Selector Switch	GGT/ANS/F	limel	01 No.		
	4	Digital Volt Meter 0~600V	Entes/Camsco	/Himel	01 No.		
	5	Volt Selector Switch	GGT/ANS/F	limel	01 No.		
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.#	Description			116 Qty:	Unit
3		GGT/ANS/Himel	01 No.	αι,	01111
4	Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		
. 5	Volt Selector Switch	GGT/ANS/Himel	01 No.		
6	Current Trasformer 300/5A	Fico/Metelx	03 Nos.		
7	Indication Lights. R+Y+B	Terasakil/Schneider	03·Nos.		·
8	6AControl MCB for Instrument Protection.	Terasakil/Schneider	03 Nos.	<del> </del>	
	OUTGOING			<del>                                     </del>	<del></del>
]		Terasaki Japan/Legrand/Schi	neider 05 Nos.	├	
2	63A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrand/Sch		1	Eac
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FF	EMALE with Incoming From MAIN &SMPB, Indication Lamp,	Instrument Protection Fuse	including 62 A	ľ	
	ain copper bus bar/Cable Suitable For Each Phase/Netural & I				
	stalled in cubicals asambled with SIEMENS, PEMPAK, PEL mak				
	door Type, Wall Mounting, Insulation class 600VAC, Incoming/Ou				
	quirement, door to body Earth with flexibile copper cable, systen				
de	egreased and derusted, zinc phosphated, finished with electro-static	powder coating of 80-100 n	nicron thickness		
	approved colour with hinged door, lockable handle, all live part				
	ower wiring from protection & power., including cost of all neces				
	ransformer All above MCCBs/MCBs, Make in Terasaki Japan/Sch				
	aving a further M.S. protective sheet and accessible only by opening	the front door. All MCCBs	shall be rated at		
50	)oC.			İ	
	INCOMING				
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	2 Digital Volt Meter 0~600V	Entes/Camsco/Himel	01 No.		-
<del></del>	3 Volt Selector Switch	GGT/ANS/Himel	01 No.	-	<del>                                     </del>
-	4 Indication Lights. R+Y+B	Terasakil/Schneider	03 Nos:	-	<del></del>
_	5 6A Control MCB for Instrument Protection.	Terasakil/Schneider	03 Nos.		<del> </del>
+-	OUTGOING	Terasakti/Scimelder	03 1908.	-	<b>-</b>
+	10/16/20A SP MCB 6KA	Terasaki Japan/Legrand/Sch	noidan 24 Nan	+-	10
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	HARMACY, with Incoming 250A TP MCCB, Insturement Prote				,
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120	on main copper ous dar surradie size. For each phase/netural & i	link as per outgoing circuit b	reaker, installed	ıl	
	50A Main copper bus bar Suitable Size: For Each Phase/Netural & 1 cubicals asambled with SIEMENS, PEMPAK PEL make, of 16 SW				
in	cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SV	VG miled steel sheet fabricate	ed, Inddor Type,	,	-
in Fl	cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SV loor/Wall Mounting, Insulation class 600VAC, Incoming/Outgoi	VG miled steel sheet fabricate ng connection Top or Bot	ed, Inddor Type, tom as per site	,	•
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in Fl re de in	cubicals asambled with SIEMENS, PEMPAK, PEL make. of 16 SV loor/Wall Mounting, Insulation class 600VAC, Incoming/Outgot equirement, door to body Earth with flexibile copper cable, system egreased and derusted, zinc phosphated, finished with electro-static approved colour with hinged door, lockable handle, all live part	VG miled steel sheet fabricate ng connection Top or Bot n voltage 415VAC, 50HZ, powder coating of 80-100 r coverd with safty sheet, in	ed, Inddor Type tom as per site 3-Phase 4-Wire, nicron thickness ternal control &		
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S.#	2	Description Description				Qty:	Unit
-		Digital Volt Meter 0~600V  Volt Selector Switch	Entes/Camsco/l-		01 No.		<del></del>
		Indication Lights, R+Y+B	GGT/ANS/Hi		01 No.		
		6A Control MCB for Instrument Protection.	Terasakil/Schno Terasakil/Schno		03 Nos.		<u> </u>
<del>  </del>		OUTGOING	Terasakii/Sciine	eider.	03 Nos.		
		10/16/20A SP MCB 6KA	Terasaki Japan/Legran	d/Schneider	24 Nos.	4	Each
27.00	Supr	oly, installation, testing commissioning of SUR MAIN	PANEL ROARD-EI	MERCENCY	FOD		Eacii.
27.00	Supp LAE 250/ cubid Floo required degrin appow Tran Eu// oner	oly, installation, testing, commissioning of SUB MAIN BORATORY. with Incoming 250A TP MCCB, Insturement Pro A copper bus bar Suitable Size: For Each Phase/Netural & link cals asambled with SIEMENS, PEMPAK,PEL make. of 16 SW or/Wall Mounting, Insulation class 600VAC, Incoming/Outgoin irement, door to body Earth with flexibile copper cable, system reased and derusted, zinc phosphated, finished with electro-static peroved colour with hinged door, lockable handle, all live parties wiring from protection & power., including cost of all neces asformer All above MCCBs/MCBs, Make in Terasaki Japa ABB Eu.shall be installed inside the panel having a further Mains the front door, All MCCBs shall be rated at 50oC and 25KA SUB MAIN PANEL BOARD-NORMAL FOR LABORATORY INCOMING  250A TP MCCB 25KA Digital Ampere Meter 250/5A Ampere Selector Switch	PANEL BOARD-EI tection & outgoing circ as per outgoing circuit G miled steel sheet fabing connection Top or n voltage 415VAC, 50 powder coating of 80-t coverd with safty shessary materials completen/Schneider Eu./Mitsul I.S. protective sheet an	MERGENCY uit breaker, instricated, Inddo Bottom as p HZ, 3-Phase 100 micron th et, internal co te in all respectishi Japan/Ld d accessible of	FOR cluding alled in r Type, per site 4-Wire, lickness ntrol & Current egarand		Each.
		Digital Volt Meter 0~600V	Entes/Camsco/l		01 No.	<del>                                     </del>	
	5	Volt Selector Switch	GGT/ANS/Hi		01 No.	<del> </del>	
<del> </del>		Current Trasformer 300/5A	Fico/Metel		01 No.		
-	7	Indication Lights. R+Y+B	Terasakil/Schn		03 Nos.	$\vdash$	· · · ·
	1	6AControl MCB for Instrument Protection.	Terasakil/Schn		03 Nos.	<del>                                     </del>	
		OUTGOING	, or abanta benta		05 1103.		
	1	100A TP MCCB 25KA	Terasaki Japan/Legran	nd/Schneider	02 Nos.		
		63A TP MCCB 25KA	Terasaki Japan/Legrar	nd/Schneider	03 No.		
	3	63A TP MCCB 25KA (SPARE)	Terasaki Japan/Legrar	nd/Schneider	02 Nos.	i	Each.
	63A	ply, installation, testing, commissioning of DISTRIBUTI BORATORY with Incoming From MAIN &SMPB, Indication I Main copper bus bar/Cable Suitable For Each Phase/Netural &	Lamp, Insturement Protek link as per above out	ection Fuse, in going circuit	icluding breaker,		
	finstal Indo required in a pow Train have	BORATORY with Incoming From MAIN & SMPB, Indication In Main copper bus bar/Cable Suitable For Each Phase/Netural & alled in cubicals asambled with SIEMENS, PEMPAK, PEL male for Type, Wall Mounting, Insulation class 600VAC, Incoming/Outrement, door to body Earth with flexibile copper cable, system reased and derusted, zinc phosphated, finished with electro-station approved colour with hinged door, lockable handle, all live parties wiring from protection & power., including cost of all necessisformer All above MCCBs/MCBs, Make in Terasaki Japan/Scing a further M.S. protective sheet and accessible only by opening	Lamp, Insturement Prote & link as per above out ke. of 16 SWG miled a utgoing connection Top in voltage 415VAC, 50 c powder coating of 80- c coverd with safty she essary materials comple threider Eushall, be inst	ection Fuse, in going circuit is steel sheet fab or Bottom as DHZ, 3-Phase 100 micron the tet, internal co te in all respetalled inside the	breaker, pricated, per site 4-Wire, nickness ontrol & Currente pane		
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power wiring from protection & power, including cost of all necessary materials complete in all respeCurrent Transformer All above MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at INCOMING 63A TP MCCB 25KA Terasaki Japan/Legrand/Schneider 01 No. Digital Volt Meter 0~600V Entes/Camsco/Himel 01 No.

		Description		· · · · · · · · · · · · · · · · · · ·		Qty:	Unit
	3	Volt Selector Switch	GGT/ANS/H	imel	01 No.		
	4	Indication Lights. R+Y+B	Terasakil/Schi		Ó3 Nos.		
	5	6A Control MCB for Instrument Protection.	Terasakil/Schi		03 Nos.		
		OUTGOING					
	1	10/16/20A SP MCB 6KA	Terasaki Japan/Legra	nd/Schneider	24 Nos.	2	Each
.00	Supp	oly, installation, testing, commissioning of SUB MAIN PANE	L BOARD-EMERGE	NCY FOR A	DMIN.	<u> </u>	254461
	OPI	HALL & DIALYSIS. with Incoming 250A TP MCCB, Instur	ement Protection & or	tgoing circuit	hreaker		
	inclu	iding 250A Main copper bus bar Suitable Size: For Each Phase/N	Jetural & link as per ou	itanina circuit	breaker breaker		
	insta	lled in cubicals asambled with SIEMENS, PEMPAK, PEL make	ce of 16 SWG miled	steel cheet fol	orcated		
	Indd	or Type, Floor/Wall Mounting, Insulation class 600VAC, Incomp	ning/Outgoing connect	ion Top or Re	ottom ac		
	per :	site requirement, door to body Earth with flexibile copper cable	system voltage 415V	AC 5047 2 1	Dhaca A		
	Wire	e, degreased and derusted, zinc phosphated, finished with elec	tra-static noveder coat	ing of 80 100	mioron		
	thick	cness in approved colour with hinged door, lockable handle, a	ill live port coverd with	ing or ou-rou	intonal		
	cont	rol & power wiring from protection & power., including cost	t of all massage with	ın saity sneet,	internai	1	
	recn	eCurrent Transformer All shows MCCDs/MCDs Add	t of all necessary mai	eriais comple	ie in ali	1	
	lesp	eCurrent Transformer All above MCCBs/MCBs. Make in	Terasaki Japan/Sch	neider Eu./M	itsubishi		
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	acce	ssible only by opening the front door. All MCCBs shall be rated	at 50oC and 25KA.				
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		SUB MAIN PANEL BOARD- NORMAL FOR ADMIN, OPD HAL INCOMING	L & DIALYSIS	·····			ļ
-	1	250A TP MCCB 25KA	Terasaki Japan/Legrand	Cahnaidar	01 No.		<del>-</del>
	2	Digital Ampere Meter 250/5A	Entes/Camsco		01 No.		-
	3	Ampere Selector Switch	GGT/ANS/F		01 No.		
	4	Digital Volt Meter 0~600V	Entes/Camsco.		01 No.		
	5	Volt Selector Switch	. GGT/ANS/F		01 No.		-
	6	Current Trasformer 300/5A	Fico/Mete		03 Nos.	-	-
	7	Indication Lights. R+Y+B	Terasakil/Sch		03 Nos.		
	8	6AControl MCB for Instrument Protection.	Terasakil/Sch		03 Nos.	† · · · ·	
		OUTGOING			00 , 100	<del> </del>	-
	T	63A TP MCCB 25KA	Terasaki Japan/Legra	nd/Schneider	03 Nos.	1	Eac
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		on as per site requirement, door to body Earth with hexione cop			:NU7 ?	1	١.
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OUTGOING  10/16/20A SP MCB 6KA  POWER CABLE.  ply at site, installation, testing and commissioning of PVC ductor cable 600/1000V grade in prelaid conduits/ trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control manual control is trenched to the control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control ma	with electro-static pownandle, all live part cocost of all necessary masaki Japan/Schneide only by opening the factorial Entes/Camsco GGT/ANS/F Terasakil/Sch Terasaki Japan/Legrand Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Terasakil/Sch Ter	der coating of overd with saf- partials comply a Eu.shall be front door. 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OUTGOING  10/16/20A SP MCB 6KA  POWER CABLE.  ply at site, installation, testing and commissioning of PVC ductor cable 600/1000V grade in prelaid conduits/ trenches or one engineer, including supply and installation of all necessary for the protection of the protection of all necessary for the protection of the protection of all necessary for the protection of the protection of all necessary for the protection of the protection of the protection of the protection of all necessary for the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of the protection of t	with electro-static pown andle, all live part content of all necessary masaki Japan/Schneide e only by opening the form of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	der coating of overd with saf- partials complete Eu.shall be be be be be be be be be be be be be	of 80-100 by sheet, ete in all installed MCCBs  Ol No.  Ol No.  Ol No.  Ol No.  Ol No.  Ol No.  Ol No.  Copper sed with tiffication	2	Ea
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OUTGOING  10/16/20A SP MCB 6KA  POWER CABLE.  ply at site, installation, testing and commissioning of PVC ductor cable 600/1000V grade in prelaid conduits/ trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenches or control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control is trenched to the control manual control manual control is trenched to the control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control manual control ma	with electro-static pown andle, all live part content of all necessary masaki Japan/Schneide e only by opening the form of the following the form of the following the form of the following the following accessories, content of cables instated power of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the form of the fo	der coating of overd with saf- partials complete Eushall be front door. 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150mm sq, 4-Core, PVC/PVC Cable

120mm sq, 4-Core, PVC/PVC Cable.

70mm sq, 4-Core, PVC/PVC Cable.

25mm sq, 4-Core, PVC/PVC Cable.

16mm sq, 4-Core, PVC/PVC Cable.

1.00

2.00

3.00

4.00

5.00

Page 252

85

550 Mtr.

350 Mtr.

850 Mtr.

850 Mtr.

Pakistan/Newage/Pioneer

Pakistan/Newage/Pioneer

Pakistan/Newage/Pioneer

Pakistan/Newage/Pioneer

Pakistan/Newage/Pioneer

	[12]	v	
S.#	Description	Qty:	Unit
D	Earthing System	:	
	Supply, Installation, Drilling of earth bore 3" (75mm) dia 70 to 80-ft deep or up to permanent water table, back filling ramming, with G.I pipe 50mm dia 14-SWG and tinned spike to be installed in premade bore all G.I pipe accessories like tees bends sockets etc G.I pipe shall be connected to tinned copper spike be installed at bottom of G.I pipe all nuts and bolts & earthing leads consisting of standard electrolytic copper conductor 70mm sq: to be installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location, earth connecting points consisting of copper plate 300mm longx50mm widex12.5mm thick to be installed, Construction of man hole 450mmx450mm x600mm deep with 225mm thick wall with cement mortar internal plaster 1:4, RCC 100mm thick man hole cover lifting hooks and the following words written with paint on cover "Earting Pit", horizontal and vertical rising copper strip of size 25mm wide and 3mm thick as main circuit protective conductor. Terminating on earthing connection points and also fixed both sides for H.T/L.T/SMPB/DB Panel & Cable tray or in cable ladder as per detail site engineer.		
	a) Earthing system with Bores for body of transformes	4	Each
	b) Earthing system with Bores for neutral of transformers	4	Each
	d) Earthing system with Bores for MAIN L.T. PANEL/MAIN SWITCH BOARD/SUB MAIN PANEL BOARD & DISTRIBUTION BOARD.	5	Each
E	Circuit Protective Conductor (CPC)	<b>-</b>	
	a) 1 core 50mm sq:	150	Mtr.
	b) 1 core 25mm sq:	350	Mtr.
	c) 1 core 6mm sq:	650	Mtr.

Executive Engineer
Buildings Division
ATTOCK

## PERFECT ELEKTRO MEK

PAKISTAN (PVT.) LIMITED

Plot No. 4, Adj. ATS Lane, Kacha Industrial Estate 4-Km Kahna Kacha Road, Lahore - Pakistan, UAN: -92-42-111-736725 (111-PEMPAK) Ph: +92-42-3597-8060-63

E-mail:info@pempak.com http://www.pempak.com

Ref.: D/FM/446523/14059 Muharram 3<sup>rd</sup>, 1444Ah August 2<sup>nd</sup>, 2022.

Messer, The Executive Engineer. **Building Division (PWD)** Attock-Pakistan.

Subject:

QUOTATION FOR LOW VOLTAGE SWITCHGEAR.

Project:

Revamping of DHQ Hospital Attock

Dear Sir,

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

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

The summary of our offer is as under

Sr.	Description			Amount
01	Low Voltage Switchgear	(As Per Given SLD).		44-564-500-00
	Total An	nount of Offer (Excluding GST):	Pak Rs.	44,564,500.00
		17% Add GST:	Pak Rs.	7,575,965.00
		mount of Offer (Including GST):	Pak Rs.	<del>52,140,485.0</del> 0
Pak l	Rupees: Fifty-Two Million On	e Hundred Forty Thousand Four Hundred !	Sixty-Five	

This offer is based on the following Terms and conditions:

The prices Ex-works duly Packed for inland transportation.

Payment will be 50% advance, balance after final inspection to your entire satisfaction against delivery at our floor

The completion period will be 8-10 weeks after the technically and financially confirmed order. The equipment will be under complete Guarantee/Warrantee for the period of one year.

The prices are valid for 30 days afterwards subject to the reconfirmation

The components offered are subject to the availability otherwise approved equivalent.

The standard and latest amended Force Majored clause will be fully applicable throughout the contract.

The offer is based on the present duties/Taxes structure. Any change will be charged at actual.

It may be your interest that the equipment being offered is with total quality control features for trouble free and long life field performance equipped with field tested components backed by the quality of commitment, the real essence of PEMPAK.

We are confident that the offer will meet your requirement and your valued order will be placed on us. Please feel free to contact us for any further information on the subject. We will be pleased to come up to your convenience.

Thanking you in Anticipation.

Perfectly yours,

Engr. Muhammad Arshad

Sr. Sales Engineer 0345-400-9982

Executive Engineer Buildings Division *ATFOCK* 

Engr. Ahmed Fawad Manager Marketing 0345-400-9981

**PEMPAK** 

Page\_1/1 Quotation for L.V Switchgear.
M/s: The Executive Engineer
Ref: D/FM/446523/14059\_dated: 02-08-22

## SCHEDULE OF PRICES FOR LOW VOLTAGE SWITCHGEAR Project: Revamping of DHQ Hospital Attock

UC	

11105		41		
Sr.	Description	Qty./  i	Rate	Amount
	SWITCHGEAR	11		
01	Synchronization PANEL	01 Set (	8,651,500.00	<del>-8,651,500.00</del>
02	Main Switch Board-1000A (For 400KVA T/F-1,2,3)	03 Sets.	812,500.00	<del>2,437,500.0</del> 0
03	Main Switch Board-1000A (For 630KVA T/F-4)	01 Set!	812,500.00	812,500.00
04	LV Panel	01 Set	19,013,000.00	19,013,000.00
05	S.M.P.B-Emergency+Normal (OTI Hall)	01 Set.(	617,500.00	617,500.00
06 07	S.M.P.B-Normal (TB Ward+Ganynae)	01 Set.	427,500.00	427,500.00
08	S.M.P.B-Normal (Male+Female) S.M.P.B-Normal (Pharmacy)	01 Set I	450,000.00	450,000.00
09	S.M.P.B-Normal (Laboratory)	01 Set.I	381,500.00	381,500.00
10	S.M.P.B-Normal (Emergency Ward)	01 Set	450,500.00	450,500.00
11	S.M.P.B-Normal (CCU+Peeds)	01 Set	450,500.00	450,500.00
12	S.M.P.B-Normal (Admin+OPD Hall+Dialysis)	01 Set I	404,500.00 404,500.00	404,500.00
13	S.M.P.B-Emergency (TB Ward+Ganynae)	01 Se	367,500.00	404,500.00 367,500.00
14	S.M.P.B-Emergency (Male+Female)	01 Se	390,500.00	390,500.00
15	S.M.P.B-Emergency (Pharmacy)	01 Set	367,500.00	367,500.00
16	S.M.P.B-Emergency (Laboratory)	01 Se	367,500.00	367,500.00
17	S.M.P.B-Emergency (Emergency Ward)	01 Se	. 367,500.00	367,500.00
18	S.M.P.B-Emergency (CCU+Peeds)	01 Se.	321,000.00	321,000.00
19	S.M.P.B-Emergency (Admin+OPD Hall+Dialysis)	01 Se	321,000.00	321,000.00
20	DBs-Emergency+Normal (OTI Hall)	06 Sets	159,500.00	957,000.00
21	DBs-Normal (TB Ward+Ganynae)	05 Sets	121,500.00	607,500.00
22	DBs-Normal (Male+Female)	08 Sets	121,500.00	972,000.00
23	DBs-Normal (Pharmacy)	03 Sets	121,500,00	364,500.00
24	DBs-Normal (Laboratory)	06 Sets	121,500.00	729,000.00
25	DBs-Normal (Emergency Ward)	06 Sets	121,500.00	729,000.00
26	DBs-Normal (CCU+Peeds)	04 Sets	121,500.00	486,000.00
27	DBs-Normal (Admin+OPD Hall+Dialysis)	04 Sets	121,500.00	486,000.00
28	DBs-Emergency (TB Ward+Ganynae)	03 Sets	111,500.00	334,500.00
29	DBs-Emergency (Male+Female)	04 Sets.	111,500.00	446,000.00
-30	DBs-Emergency (Pharmacy)	03 Sets	111,500.00	334,500.00
31	DBs-Emergency (Laboratory)	03 Sets	111,500.00	334,500.00
32	DBs-Emergency (Emergency Ward)	03 Sets	111,500.00	334,500.00
33	DBs-Emergency (CCU+Peeds)	02 Sets	111,500.00	223,000.00
34	DBs-Emergency (Admin+OPD Hall+Dialysis)	02 Sets	111,500.00	223,000.00
L	Total Amount of Offer (E		Pak Rs.	<del>-44,564,500:00</del>
		916		

33475 500

Total Amount of Offer All Equipment (Excluding GST):

Pak Rs.

44,584,500.00 33475500

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

Executive Engineer
Buildings Division
ATTOCK

Engr. Ahmed Fawad Manager Marketing 0345-400-9981

Page.1/10
Quotation for L.V Switchgear.
Ms: The Executive Engineer
Ref: D/FM/446523/14059 dated: 02-08-22

**PEMPAK** 

#### SCHEDULE OF SPECIFICATION FOR LOW VOLTAGE SWITCHGEAR.

Project: Revamping of DHQ Hospital Attock

L.V SWITCHGEAR: PEMPAK make, 14/16SWG mild steel sheet fabricated, free standing wall/floor mounting, indoor type, front access, insulation class 600Volts, Incoming and outgoing connections from Top or bottom as per site requirement, door to body earth with flexible copper cable suitable for 415VAC, 3 Phase 4 wire,400/230 50Hz TPN&E system, having rated service short circuit breaking capacity Icu of 65KA I/C at 415VAC confirming to IEC-947-2 to accommodate the given number of circuit components, instruments & Accessories, assembled and wired with Electrolytic Copper Bus bars at 50deg Centigrade and cables as per standard practices and relevant standards duly cleaned down to bare shining metal phosphate and powder painted of color RAL-7032 complete in all respect as per given specifications with your requirement and equipped as under.

01 SYNCHRONIZATION PANEL

01 SET
--------

	NCHRONIZATION PANEL	<u>,.</u>	01 SET.	
	Description of each Component	Make II	Model	Quantity
Α	INCOMING FROM 200KVA GEN-1	₽1		
01	400A TP MCCB 36kA	Terasaki/Schneider.	S400CJ	01 No.
02	400A 4P Magnetic Contactor	Terasaki/Schneider.	TC4-400a	01 No.
03	Synchronizing & Load Sharing Module	Deep Sea/Eqv	DSE 8610	01 No.
04	Digital Ampere Meter	Camsco/Entes	96x96mm	01 No.
05.	Ampere Selector Switch	GGT/ Camsco I	4-Position	01 No.
06	Digital Volt Meter 0~600V	Camsco/Entes	96x96mm	01 No.
07	Volt Selector Switch	GGT/ Camsco	4-Position	01 No.
08	Current Transformer 400/5A	Metelx/Fico €1	RLC	06 Nos.
09	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schneider	LED-Type	05 Nos.
10	ON/OFF Push Button	Himel/ Schneider	22mm	02 Nos.
11	Control MCB for Instrument Protection	Terasaki/Schneider.	EPC	03 Nos.
12	Battery and Battery Charger	ĽI	Imported	01 No.
В	INCOMING FROM 200KVA GEN-2	<u> </u>		
01	400A TP MCCB 36kA	Terasaki/Schreider.	S400CJ	01 No.
02	400A 4P Magnetic Contactor	Terasaki/Schreider.	TC4-400a	01 No.
03	Synchronizing & Load Sharing Module	Deep Sea/Eqv	DSE 8610	01 No.
04	Digital Ampere Meter	Camsco/Entes	96x96mm	01 No.
.05	Ampere Selector Switch	GGT/ Camsco	4-Position	01 No.
06	Digital Volt Meter 0~600V	Camsco/Entes	96x96mm	01 No.
07	Volt Selector Switch	GGT/ Camsco	4-Position	01 No.
08	Current Transformer 400/5A	Metelx/Fico ■t	RLC	06 Nos.
09	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schneider	LED Type	05 Nos.
10	ON/OFF Push Button	Himel/ Schneider	22mm	02 Nos.
11	Control MCB for Instrument Protection	Terasaki/Schneider.	EPC	03 Nos.
12	Battery and Battery Charger	Imported ■■	01 No.	<u> </u>
С	INCOMING FROM 100KVA GEN-3	£(		
01	400A TP MCCB 36kA	Terasaki/Schneider.	S400CJ	01 No.
02	400A 4P Magnetic Contactor	Terasaki/Schneider.	TC4-400a	01 No.
03	Synchronizing & Load Sharing Module	Deep Sea/Eqv	DSE 8610	01 No.
04	Digital Ampere Meter	Camsco/Entes	96x96mm	01 No.
05	Ampere Selector Switch	GGT/ Camscc-	4-Position	01 No.
06	Digital Volt Meter 0~600V	Camsco/Entes	96x96mm	01 No.
07	Volt Selector Switch	GGT/ Camsco	4-Position	01 No.
08	Current Transformer 400/5A	Metelx/Fico ■■	RLC	06 Nos.
09	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schnelder	LEO Type	05 Nos.
10	ON/OFF Push Button	Himel/ Schnelder	22mm	02 Nos.
11	Control MCB for Instrument Protection	Terasaki/Schneider.	EPC	03 Nos.
12	Battery and Battery Charger	Imported TI	01 No.	<del></del>
D	INCOMING FROM 100KVA GEN-4	Tarracki/Cabacides	1 640001	. 01 No
01	400A TP MCCB 36kA	Terasaki/Schneider. Terasaki/Schneider.	S400CJ TC4-400a	01 No.
02	400A 4P Magnetic Contactor		DSE 8610	01 No. 01 No.
03	Synchronizing & Load Sharing Module	Deep Sea/Eqv		
04	Digital Ampere Meter	Camsco/Entes	96x96mm	01 No.
05	Ampere Selector Switch	GGT/ Camsco	4-Position	01 No.
06	Digital Volt Meter 0~600V	Camsco/Entes	96x96mm	01 No.
07	Volt Selector Switch	GGT/ Camscc	4-Position	.01 No.
- 80	Current Transformer 400/5A	Metelx/Fico 1	RLC	06 Nos.
09	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schne der	LED Type	05 Nos.
10	ON/OFF Push Button	Himel/ Schne der	22mm	02 Nos
11	Control MCB for Instrument Protection	Terasaki/Schreider.	EPC	03 Nos.
12	Battery and Battery Charger	Imported ••	01 No.	

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E	INCOMING FROM 100KVA GEN-5	11	<del></del>	·
01	400A TP MCCB 36kA	Terasaki/Schneider.	S400CJ	01 No.
02	400A 4P Magnetic Contactor	Terasaki/Schneider.	TC4-400a	01 No.
03	Synchronizing & Load Sharing Module	Deep Sea/Egy 3	DSE 8610	01 No.
04	Digital Ampere Meter	Camsco/Entes	96x96mm	01 No.
05	Ampere Selector Switch	GGT/ Camsco 1	4-Position	01 No.
06	Digital Volt Meter 0~600V	Camsco/Entes	96x96mm	01 No.
07	Volt Selector Switch	GGT/ Camsco 1	4-Position	01 No.
08	Current Transformer 400/5A	Metelx/Fico ■3	RLC	06 Nos.
09	Phase Indication Light (R+Y+B+OFF+ON)	Himel/ Schneider	LED Type	05 Nos.
10	ON/OFF Push Button	Himel/ Schneider	22mm	02 Nos.
11	Control MCB for Instrument Protection	Terasaki/Schneider.	EPC	03 Nos.
12	Battery and Battery Charger	Imported ■1	01 No.	00 1,00
F	OUTGOING	13		
01	800A TP MCCB 50kA	Terasaki/Schneider.	S800NJ	02 Nos.

MAIN SWITCH BOARD-1000A (For 400KVA T/F-01,T/F-02 & T/F-03)

Description of Component Make II 03 SETs. Sr. Model Quantity Incoming from 400KVA Transformer. Α 01 1000A TP MCCB 50KA Terasaki/Schneider S1000SE 01 No. DEHN/Eqv. 13 02 Surge Protective Device (SPD) 4P 100KA 4P 100KA 01 No. 03 Digital Volt Meter 0~600V Entes/Schneider 96x96MM 01 No. Volt Selector Switch 04 GGT/Camsco r 4-Position 01 No. 05 Digital Ampere Meter Entes/Schneider 96x96MM 01 No. 06 Ampere Selector Switch GGT/Camsco I 4-Position 01 No. 07 CTs 1000/5 Metelx/Fico (1 RLC 03 Nos 08 Phase Indication Lamps. (R+Y+B) Schneider/Himel Led Type EPC 03 Nos. 09 6A Control MCB for Instrument Protection. Terasaki/Schneider 03 Nos. 1000A Copper Bus Bar PEMPAK 1) 01 Job.

03	MAIN SWITCH BOARD-1000A (For 630KVA T/F-04)	t)	01 SET.	
Sr.	Description of Component	Make J	Model	Quantity
Α	Incoming from 630KVA Transformer.	f+		-1., <u></u>
01	1000A TP MCCB 50KA	Terasaki/Schneider	S1000SE	01 No.
02	Surge Protective Device (SPD) 4P 100KA	DEHN/Eqv. 1	4P 100KA	01 No.
03	Digital Volt Meter 0~600V	Entes/Schneider	96x96MM	01 No.
04	Volt Selector Switch	GGT/Camsco I	4-Position	01 No.
05	Digital Ampere Meter	Entes/Schneider	96x96MM	01 No.
06	Ampere Selector Switch	GGT/Camsco i	4-Position	01 No.
07	CTs 1000/5	Metelx/Fico Li	RLC	03 Nos.
08	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	Led Type	03 Nos.
09	6A Control MCB for Instrument Protection.	Terasaki/Schneider	EPC	03 Nos.
10	1000A Copper Bus Bar	PEMPAK II		01 Job.

04	LV Panel		ij	01 SET.	i
Sr.	Description of Component	Make	( i	Model	Quantity
Α	INCOMING From Existing T/F-1 400KVA	•	Γt		
01	1000A TP ACB 65KA	Terasaki/Schneide	r: r	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Schneide	r. )	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Schneide	r_ ı	UVT	01 No.
04	Shunt Trip Coil for ACB	Terasaki/Schneide	ιlj	ST	01 No.
05	Digital Voltmeter 0~600 V	Entes/Camsco	ļΓi	96mmX96mm	01 No.
06	Volt Selector Switch	GGT/Camsco	<b>N</b>	4 Position	01 No.
07	Digital Ampere Meter	Entes/Camsco	į i	96mmX96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco	J. L	4 Position	01 No.
09	Current Transformer 1000/5A	Metelx/Fico	11	RLC	03 Nos.
10	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneide	r i	Led Type	05 Nos.
11	6A Control MCB for Protection	Terasaki/Schneide	r∱ ∎	EPC	03 Nos.
В	INCOMING From Existing T/F-2 400KVA	•	ji i	01 SET.	
01	1000A TP ACB 65KA	Terasaki/Schneide	έŢ	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Schneide	r r	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Schneide	į į l	UVT	01 No.
04	Shunt Trip Coil for ACB	Terasaki/Schneide	ŗΪ	ST	01 No.
05	Digital Voltmeter 0~600 V	Entes/Camsco	Ĵτ	96mmX96mm	01 No.
06	Volt Selector Switch	GGT/Camsco	11	4 Position	01 No.
07	Digital Ampere Meter	Entes/Camsco	ķ i	96mmX96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco	1 !	4 Position	01 No.

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09	Current Transformer 1000/5A	Metelx/Fico ▮।	RLC	03 Nos.
10	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider 11	Led Type	05 Nos.
11	6A Control MCB for Protection	Terasaki/Schneider 11	EPC	03 Nos.
С	OUTGOING	<b>9</b> T	01 SET.	
01	400A TP MCCB 25KA	Terasaki/Schneider II	E 400NF	06 Nos.
02	400A TP MCCB 25KA (Spare)	Terasaki/Schneider I I	E 400NF	01 No.
03	160A TP MCCB 36KA (Spare)	Terasaki/Schneider t	S 250NJ	01 No.
04	100A TP MCCB 25KA (Spare)			
Ö		Terasaki/Schneider 11	S 160SCF	01 No.
	200 KVAR PFI PLANT	LI	01 SET.	
01	Power Factor Capacitor 25KVAr.	Enerlux/Eqv. (1	PRT.4425	04 Nos.
02	Power Factor Capacitor 50KVAr.	Enerlux/Eqv. (1	PRT.4450	02 Nos.
03	Magnetic contactor 50A AC3 for 25KVAR	Terasaki/Schneider [1]	TC-50a	04 Nos.
04	Magnetic contactor 105A AC3 for 50KVAR	Terasaki/Schneider 1 I	TC-100a	02 Nos.
05	HRC Fuses with bases 63A	DF Elec/eqv. (1	Double Zero	12 Nos.
06	HRC Fuses with bases 125A	DF Elec/eqv. (	Double Zero	06 Nos.
07	Reactive Power Controller, 06-Steps,	Entes/Eqv. 📢	RGI	01 No.
08	ON/OFF Push Button.	Terasaki/Schneider 1 1	22MM	12 Nos.
09	ON indication.	Terasaki/Schneider I i	22MM	06 Nos.
10	Auxiliary Contactor (4NO+4NC).			
11	6A Control MCB for Protection	Togami/Schneider/Ecv.	AK-8JS44	02 Nos.
		Terasaki/Schneider:	EPC	03 Nos.
12	Current Transformer 1000/5A	Fico/Metelx ()	RLC	01 No.
13	Auto/Manual Switch.	GGT/Camsco ()	3 Position	01 No.
14	Surge Suppressors.	PEMPAK. 11		18 Nos.
15	Exhaust Fan with Dust Cassettes.	Imported. ■ I	220VAC	01 No.
16	Temperature Regulator 0~50c	Imported.	220VAC	01 No.
Е	BUS COUPLER-1,2,3	11	03 SETs.	
01	800A TP ACB 65KA	Terasaki/Schneider_1	AR208S	01 No.
02	Motor Mechanism for ACB	Terasaki/Schneider	MOM NOM	01 No.
03	Under Voltage Trip for ACB			
03		Terasaki/Schneider 1	UVT	01 No.
	Shunt Trip Coil for ACB	Terasaki/Schneider. 1	ST	01 No.
05	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider.	Led Type	05 Nos.
06	6A Control MCB for Protection	Terasaki/Schneider: I	EPC	03 Nos.
F	INCOMING From Load Sharing Panel (800A)	MCCB) LI	01 SET.	
01	800A TP ACB 65KA	Terasaki/Schneider:1	AR208S	01 No.
02	Motor Mechanism for ACB	Terasaki/Schneider. 1	MOM	01 No.
03	Under Voltage Trip for ACB	Terasaki/Schneider:	UVT	01 No.
04	Shunt Trip Coil for ACB	Terasaki/Schneider. I	ST	01 No.
05	Digital Voltmeter 0~600 V	Entes/Camsco II	96mmX96mm	01 No.
06	Volt Selector Switch	GGT/Camsco 11	4 Position	01 No.
07	Digital Ampere Meter 0~800A	Entes/Camsco 11	96mmX96mm	01 No.
08	Ampere Selector Switch		4 Position	
		GGT/Camsco #1		01 No.
09	Current Transformer 800/5A	Metelx/Fico Li	RLC	03 Nos.
10	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider. I	Led Type	05 Nos.
11	6A Control MCB for Protection	Terasaki/Schneider 1	EPC	03 Nos.
G	OUTGOING	3 (	01 SET.	
01	250A TP MCCB 25KA	Terasaki/Schneider I	E 250SF	06 Nos.
02	630A TP MCCB 36KA (Spare)	Terasaki/Schneider	S 630CF	01 No.
03	250A TP MCCB 25KA (Spare)	Terasaki/Schneider	E 250SF	02 Nos.
H	INCOMING From 400KVA Existing T/F-3	t I	01 SET.	
01	1000A TP ACB 65KA	Terasaki/Schneider.+	AR212S	01 No.
02	Motor Mechanism for ACB	Terasaki/Schneider /	MOM	01 No.
-				
03	Under Voltage Trip for ACB	Terasaki/Schneider J	UVT	. 01 No.
04	Shunt Trip Coil for ACB	Terasaki/Schneider: I	ST	01 No.
05	Digital Voltmeter 0~600 V	Entes/Camsco 11	96mmX96mm	01 No.
06	Volt Selector Switch	GGT/Camsco ■I	4 Position	01 No.
07	Digital Ampere Meter	Entes/Camsco 11	96mmX96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco 11	4 Position	01 No. :
09	Current Transformer 1000/5A	Metelx/Fico [1	RLC	03 Nos. 3
10	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider I	Led Type	05 Nos. 1
11	6A Control MCB for Protection	Terasaki/Schneider J	EPC EPC	03 Nos. (
1	INCOMING From 630KVA Existing T/F-4	Terasaki/Schileider 1	01 SET.	1 05 1103. 1
01	1000A TP ACB 65KA	Terasaki/Schneider	AR212S	01 No. 0
02	Motor Mechanism for ACB	Terasaki/Schneider I	MOM	01 No. I
03	Under Voltage Trip for ACB	Terasaki/Schneider I	UVT	01 No. (
04	Shunt Trip Coil for ACB	Terasaki/Schneider I	ST	01 No. 1
05	Digital Voltmeter 0~600 V	Entes/Camsco #1	96mmX96mm	01 No.
06	Volt Selector Switch	GGT/Camsco	4 Position	01 No. 1
	······································	i i	,	
		11		

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07			ı.l		
	Digital Ampere Meter	Entes/Camsco [	ı	96mmX96mm	01 No.
08	Ampere Selector Switch	<del></del>	1	4 Position	01 No.
09	Current Transformer 1000/5A	Metelx/Fico E		RLC	03 Nos.
10	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider L	i	Led Type	05 Nos.
11	6A Control MCB for Protection	Terasaki/Schneider ≢		EPC	03 Nos.
Ĺ.	OUTGOING			01 SET.	
01	400A TP MCCB 25KA	Terasaki/Schneider •		E 400NF	06 Nos.
02	630A TP MCCB 36KA	Terasaki/Schneider 4		S 630CF	01 No.
03	100A TP MCCB 25KA (Spare)	Terasaki/Schneider •		S 160SCF	01 No.
04	63A TP MCCB 25KA (Spare)	Terasaki/Schneider		S 160SCF	01 No.
K	200 KVAR PFI PLANT		<u> </u>	01 SET.	1 01140.
01	Power Factor Capacitor 25KVAr.	Enerlux/Eqv. (		PRT.4425	04 Nos.
02	Power Factor Capacitor 50KVAr.		1	PRT.4450	02 Nos.
03	Magnetic contactor 50A AC3 for 25KVAR	Terasaki/Schneider F		TC-50a	02 Nos.
04	Magnetic contactor 105A AC3 for 50KVAR	Terasaki/Schneider i		TC-100a	
05	HRC Fuses with bases 63A		1	Double Zero	02 Nos.
06	HRC Fuses with bases 125A		-		12 Nos.
07	Reactive Power Controller, 06-Steps.	DF Elec/eqv.		Double Zero	06 Nos.
08	ON/OFF Push Button.		1	RGI	01 No.
09		Terasaki/Schneider I		_22MM	12 Nos.
10	ON indication. Auxiliary Contactor (4NO+4NC).	Terasaki/Schneider t		22MM	06 Nos.
11	64 Control MCP for Destanting	Togami/Schneider/Ed		AK-8JS44	02 Nos.
	6A Control MCB for Protection	Terasaki/Schneider I		EPC	03 Nos.
12	Current Transformer 1000/5A		1	RLC	01 No.
13	Auto/Manual Switch.		1	3 Position	01 No.
14	Surge Suppressors.		1		18 Nos.
15	Exhaust Fan with Dust Cassettes.	<del></del>	n	220VAC	01 No.
16	Temperature Regulator 0~50c	Imported.	, I	220VAC	01 No.
L	INCOMING From Load Sharing Panel (800A		1	01 SET.	
01	800A TP ACB 65KA	Terasaki/Schneider I		AR208S	01 No.
_02	Motor Mechanism for ACB	Terasaki/Schneider L	Ī	MOM »	01 No.
03	Under Voltage Trip for ACB	Terasaki/Schneider (	-	UVT	01 No.
04	Shunt Trip Coil for ACB	Terasaki/Schneider I	1	ST	01 No.
05	Digital Voltmeter 0~600 V	Entes/Camsco I	ı	96mmX96mm	01 No.
06	Volt Selector Switch	GGT/Camsco [	1	4 Position	01 No.
07	Digital Ampere Meter 0~800A	Entes/Camsco E	i	96mmX96mm	01 No.
08	Ampere Selector Switch	GGT/Camsco		4 Position	01 No.
09	Current Transformer 800/5A	Metelx/Fico	1	RLC	03 Nos.
10	Indication Lights (R+Y+B+ON+OFF)	Terasaki/Schneider r		Led Type	05 Nos.
11	6A Control MCB for Protection	Terasaki/Schneider t	: J	EPC	03 Nos.
M	OUTGOING		ı	01 SET.	
Δ4	ACCA TO MACCO ACCUS	Terasaki/Schneider 1	JI.	E 250SF	00.41
01	250A TP MCCB 25KA				i Ub Nos.
02	250A TP MCCB 25KA 250A TP MCCB 25KA (Spare)			E 250SF	06 Nos.
	250A TP MCCB 25KA (Spare)	Terasaki/Schneider 1	.j	E 250SF	05 Nos. 02 Nos.
02	250A TP MCCB 25KA (Spare)	Terasaki/Schneider1	.j	•	
02 05	250A TP MCCB 25KA (Spare) S.M.P.B-Emergency+Emergency (OTI HALL)	Terasaki/Schneider1	.i 	01 SET.	02 Nos.
02 05	250A TP MCCB 25KA (Spare)	Terasaki/Schneider1	.i   	•	
02 05 Sr.	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component INCOMING	Terasaki/Schneider L	.i	01 SET. Model	02 Nos.  Quantity
02 05 Sr. A 01	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA	Terasaki/Schneider L  Make  Terasaki/Schneider :	.j .j .j	01 SET. Model	02 Nos.  Quantity  01 No.
02 05 Sr. A 01 02	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco	J J J	01 SET. Model S 630CF 96mmX96mm	02 Nos.  Quantity  01 No. 01 No.
02 05 Sr. A 01 02 03	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco GGT/Camsco	J J J I	01 SET. Model S 630CF 96mmX96mm 4 Position	02 Nos.  Quantity  01 No.  01 No.  01 No.
02 05 Sr. A 01 02 03 04	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco GGT/Camsco Entes/Camsco	J J J J 1	01 SET. Model S 630CF 96mmX96mm 4 Position 96mmX96mm	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No.
02 05 Sr. A 01 02 03 04 05	250A TP MCCB 25KA (Spare)  S.M.P.B-Ernergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch	Make  Terasaki/Schneider  Terasaki/Schneider  Entes/Camsco  GGT/Camsco  Entes/Camsco  GGT/Camsco	.J .J .J .T .T	01 SET. Model S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No.
02 05 Sr. A 01 02 03 04 05 06	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco GGT/Camsco Entes/Camsco GGT/Camsco Metelx/Fico	J J J J 1	01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06	250A TP MCCB 25KA (Spare)  S.M.P.B-Ernergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco GGT/Camsco Entes/Camsco GGT/Camsco Metelx/Fico Terasaki/Schneider :	J J J T T T	01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07	250A TP MCCB 25KA (Spare)  S.M.P.B-Ernergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco GGT/Camsco Entes/Camsco Entes/Camsco GGT/Camsco Terasaki/Schneider : Terasaki/Schneider : Terasaki/Schneider :	J J J J T T T T J	01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B	250A TP MCCB 25KA (Spare)  S.M.P.B-Ernergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING	Make  Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco I  GGT/Camsco I  Entes/Camsco I  GGT/Camsco I  Terasaki/Schneider I  Terasaki/Schneider I		01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA	Terasaki/Schneider L  Make  Terasaki/Schneider : Entes/Camsco GGT/Camsco Entes/Camsco GGT/Camsco Metelx/Fico Terasaki/Schneider : Terasaki/Schneider : Terasaki/Schneider :	J J J J J J J J J J	01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC S 160SCF	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B	250A TP MCCB 25KA (Spare)  S.M.P.B-Ernergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING	Terasaki/Schneider L  Make  Terasaki/Schneider ;  Entes/Camsco  GGT/Camsco  Entes/Camsco  GGT/Camsco  Metelx/Fico  Terasaki/Schneider ;  Terasaki/Schneider ;  Terasaki/Schneider ;  Terasaki/Schneider ;  Terasaki/Schneider ;	J J J J J J J J J J	01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)	Make  Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco I  GGT/Camsco I  Entes/Camsco I  GGT/Camsco I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I	J J J J T T T J J	01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).	Make  Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco  GGT/Camsco  Entes/Camsco  GGT/Camsco  Metelx/Fico  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I		01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 04 Nos. 05 Nos. 06 Nos. 06 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0~600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component	Make  Terasaki/Schneider L  Terasaki/Schneider ; Entes/Camsco E Entes/Camsco E Entes/Camsco E GGT/Camsco E Metelx/Fico E Terasaki/Schneider ; Terasaki/Schneider ; Terasaki/Schneider ; Terasaki/Schneider ; Make		01 SET. Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02 06 Sr.	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component INCOMING 630A TP MCCB 36KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B) 6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component INCOMING	Make  Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco  Entes/Camsco  Entes/Camsco  GGT/Camsco  Metelx/Fico  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Make		01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF S 160SCF Model	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 06 Nos. 01 No. 01 No.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02 06 Sr.	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component  INCOMING  400A TP MCCB 25KA	Make  Terasaki/Schneider I  Entes/Camsco Entes/Camsco Entes/Camsco GGT/Camsco GGT/Camsco Metelx/Fico Terasaki/Schneider I Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Make  Terasaki/Schneider I	J	01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF S 160SCF Model  E400NF	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 01 No. 04 Nos. 05 Nos. 06 Nos. 06 Nos. 07 No. 08 Nos. 09 Nos.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02 06 Sr. A	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component  INCOMING  400A TP MCCB 25KA  Digital Voltmeter 0-600 V	Make Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco Entes/Camsco GGT/Camsco GGT/Camsco Metelx/Fico Terasaki/Schneider I Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco	J J J J J J J J J J J J J J J J J J J	01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF 01 SET. Model  E400NF 96mmX96mm	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 01 No. 01 No. 01 No. 01 No. 01 No.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02 06 Sr.	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component  INCOMING  400A TP MCCB 25KA	Make Terasaki/Schneider Entes/Camsco Entes/Camsco Entes/Camsco GGT/Camsco Metelx/Fico Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Entes/Camsco GGT/Camsco	J	01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF O1 SET. Model  E400NF 96mmX96mm 4 Position	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.  06 Nos. 01 No.  Quantity
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02 06 Sr. A 01 02	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component  INCOMING  630A TP MCCB 36KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B)  6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component  INCOMING  400A TP MCCB 25KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter	Make  Terasaki/Schneider I  Entes/Camsco  Entes/Camsco  GGT/Camsco  Metelx/Fico  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Terasaki/Schneider I  Entes/Camsco  GGT/Camsco  GGT/Camsco  Entes/Camsco  Entes/Camsco	J J J J J J J J J J J J J J J J J J J	01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF O1 SET. Model  E400NF 96mmX96mm 4 Position 96mmX96mm	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.  06 Nos. 01 No.  Quantity  01 No. 01 No. 01 No. 01 No.
02 05 Sr. A 01 02 03 04 05 06 07 08 B 01 02 06 Sr. A 01 02 03 04 05 06 07 08 09 00 00 00 00 00 00 00 00 00	250A TP MCCB 25KA (Spare)  S.M.P.B-Emergency+Emergency (OTI HALL)  Description of Component INCOMING 630A TP MCCB 36KA  Digital Voltmeter 0-600 V  Volt Selector Switch  Digital Ampere Meter  Ampere Selector Switch  Current Transformer 600/5A  Indication Lights (R+Y+B) 6A Control MCB for Protection  OUTGOING  160A TP MCCB 25KA  100A TP MCCB 25KA (Spare)  S.M.P.B-Emergency (TB Ward+Gaynae).  Description of Component INCOMING  400A TP MCCB 25KA  Digital Voltmeter 0-600 V  Volt Selector Switch	Make Terasaki/Schneider I Entes/Camsco Entes/Camsco Entes/Camsco GGT/Camsco Metelx/Fico Terasaki/Schneider I Terasaki/Schneider I Terasaki/Schneider I Terasaki/Schneider I Terasaki/Schneider I Terasaki/Schneider I Entes/Camsco GGT/Camsco Entes/Camsco Entes/Camsco	J J J J J J J J J J J J J J J J J J J	01 SET.  Model  S 630CF 96mmX96mm 4 Position 96mmX96mm 4 Position RLC Led Type EPC  S 160SCF S 160SCF O1 SET. Model  E400NF 96mmX96mm 4 Position	02 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.  06 Nos. 01 No.  Quantity  01 No. 01 No.

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## **PEMPAK**

		IJ		
06	Current Transformer 400/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider I 1	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider L1	EPC	03 Nos.
В	OUTGOING	13	<del></del>	
01	100A TP MCCB 25KA	Terasaki/Schneider II	S 160SCF	05 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider J	S 160SCF	02 Nos.
				1 02
	S.M.P.B-Emergency (Male+Female).	13	01 SET.	
Sr.	Description of Component	Make 1	Model	Quantity
A	INCOMING			
01	400A TP MCCB 25KA	Terasaki/Schneider i i	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 11	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco 11	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco 11	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico 13	RLC	03 Nos.
_ 07	Indication Lights (R+Y+B)	Terasaki/Schneider: 1	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider. I	EPC	03 Nos.
В	OUTGOING	1)		
01	100A TP MCCB 25KA	Terasaki/Schneider: I	S 160SCF	08 Nos.
02	100A TP MCCB 25KA (Spare)	Terasaki/Schneider	S 160SCF	02 Nos.
		[]		<u></u>
	S.M.P.B-Emergency (Pharmacy).	[]	01 SET.	
Sr.	Description of Component	Make II	Model	Quantity
_ A	INCOMING	1.1		
01	400A TP MCCB 25KA	Terasaki/Schneider_1	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 11	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco (1)	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco [1]	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco LI	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico 11	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider.	Led Type	03 Nos.
-08	6A Control MCB for Protection	Terasaki/Schneider 1	EPC	03 Nos.
В	OUTGOING	11		001.002
01	100A TP MCCB 25KA	Terasaki/Schneider	S 160SCF	03 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider: I	S 160SCF	02 Nos.
,			1.5	1 02 (100.
	S.M.P.B-Emergency (Laboratory).		01 SET.	
Sr.	Description of Component	Make 11	Model	Quantity
_ A	INCOMING	E1		
01	400A TP MCCB 25KA	Terasaki/Schneider 1	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco (1)	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco 11	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco (1)	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco [1	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico L J	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider	Led-Type	03 Nos.
80	6A Control MCB for Protection	Terasaki/Schneider 1	EPC	03 Nos.
В	OUTGOING	1)		
01	100A TP MCCB 25KA	Terasaki/Schneider.	S 160SCF	06 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider. 1	S 160SCF	02 Nos.
	•			
10	S.M.P.B-Emergency (Emergency Ward).	·	01 SET.;	
Sr.	Description of Component	Make II	Model	Quantity
Α_	INCOMING	ļī.		
01	400A TP MCCB 25KA	Terasaki/Schneider, J	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco II	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco II	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco [1]	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco II	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider. I	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider 1	EPC	03 Nos.
В	OUTGOING	¥1	1 =	
01	100A TP MCCB 25KA	Terasaki/Schneider J	S 160SCF	06 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider, 1	S 160SCF	02 Nos.
	1	Terasaki/Germender, 1		, VE 1100.
		E 1	*	

## **PEMPAK**

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Quotation for L.V Switchgear,
Ws: The Executive Engineer
Ref. D/FM/446523/14059 deted: 02-08-22

Ref: D	VFW/446523/14059_dated: 02-08-22			
11	S.M.P.B-Emergency (CCU+Peeds).		04 SET	
Sr.	Description of Component	Make II	01 SET.	Quantity
Α	INCOMING	1	Model	Quantity
01	400A TP MCCB 25KA	Terasaki/Schneider. 1	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco II	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco [ +	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco [ ]	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco [ :	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider.	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider:	EPC	03 Nos.
В	OUTGOING	E r	<del></del>	
01	100A TP MCCB 25KA	Terasaki/Schneider.	S 160SCF	04 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider: 1	S 160SCF	02 Nos.
40		[)	·•	
12	S.M.P.B-Emergency (Admin+OPD Hall+Dialy:	sis).	01 SET.	
Sr.	Description of Component	Make ()	Model	Quantity
A	INCOMING	<b>[</b> ]		
01	400A TP MCCB 25KA	Terasaki/Schneider	. E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 1 :	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco (	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco ()	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco I	4 Position	01 No.
06	Current Transformer 400/5A	Metelx/Fico [	RLC	03 Nos.
_07	Indication Lights (R+Y+B)	Terasaki/Schneider.	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider.	EPC	03 Nos.
B	OUTGOING	(1		
01	100A TP MCCB 25KA	Terasaki/Schneider 11	S 160SCF	04 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider: )	S 160SCF	02 Nos.
		[]	,	02 1103.
13	S.M.P.B-Emergency (TB Ward+Gayae).		01 SET.	
Sr.	Description of Component	Make ( )	Model	Quantity
_ A	INCOMING			
01	250A TP MCCB 25KA	Terasaki/Schneider.	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco L	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco [.]	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco 1:	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco L3	4 Position	01 No.
06	Current Transformer 300/5A	Metelx/Fico [	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider.	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider_ i	EPC	03 Nos.
В	OUTGOING.	D		
_01	63A TP MCCB 25KA	Terasaki/Schneider	S 160SCF	03 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider.	S 160SCF	02 Nos.
			0.00001	<u> </u>
_ 14	S.M.P.B-Emergency (Male+Female).	. <b>1</b> 1	01 SET.	
Sr.	Description of Component	Make 11	Model	Quantity
A	INCOMING	(1		
01	250A TP MCCB 25KA	Terasaki/Schneider	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 11	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco [	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco [ !	96mmX96mm	01 No.
05	Ampere Selector Switch	GGT/Camsco I)	4 Position	01 No.
06	Current Transformer 300/5A	Metelx/Fico	RLC	03 Nos.
07	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
08	6A Control MCB for Protection	Terasaki/Schneider	EPC .	03 Nos.
В	OUTGOING	1 1		00 1408.
01	63A TP MCCB 25KA	Terasaki/Schneider I	S 160SCF	05 Nos.
02	63A TP MCCB 25KA (Spare)	Terasaki/Schneider	S 160SCF	
<u> </u>	1 - V man	I COUSANT OCH HEIGEI I	1 O TOUGUE	01 No.
15	S.M.P.B-Emergency (Pharmacy).	11	01 SET.	
Sr.	Description of Component	RADIO 5 -		0
A A	INCOMING	Make II	Model	Quantity
01	250A TP MCCB 25KA	Tananti/Cabasidada	C (00) (C	
		Terasaki/Schneider	E400NF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco 1	4 Position	01 No.
04	Digital Ampere Meter	Entes/Camsco 11	96mmX96mm	01 No.
		<b>.</b> .		

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Ws: The Executive Engineer
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## **PEMPAK**

December   Ampere Selector Switch   GGT/Camsco   1   4 Position   O1 No	05     Ampere Selector Switch     GGT/Camsco       06     Current Transformer     300/5A     Metelx/Fico       07     Indication Lights (R+Y+B)     Terasaki/Schneide       08     6A Control MCB for Protection     Terasaki/Schneide       B     OUTGOING       01     63A TP MCCB 25KA     Terasaki/Schneide	(1) (r2)	4 Position RLC	Quantity 01 No. 03 Nos.
Ampere Selector Switch   GGT/Camsco   1   4 Position   01 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No   1 No	05     Ampere Selector Switch     GGT/Camsco       06     Current Transformer     300/5A     Metelx/Fico       07     Indication Lights (R+Y+B)     Terasaki/Schneide       08     6A Control MCB for Protection     Terasaki/Schneide       B     OUTGOING       01     63A TP MCCB 25KA     Terasaki/Schneide	# I	4 Position RLC	01 No. 03 Nos.
Description   Current Transformer   S00/5A   Metels/Fico   IRC   O3 Nos	06     Current Transformer     300/5A     Metelx/Fico       07     Indication Lights (R+Y+B)     Terasaki/Schneide       08     6A Control MCB for Protection     Terasaki/Schneide       B     OUTGOING       01     63A TP MCCB 25KA     Terasaki/Schneide	# I	RLC	03 Nos.
Original   Indication Lights (ReY+B)	07     Indication Lights (R+Y+B)     Terasaki/Schneide       08     6A Control MCB for Protection     Terasaki/Schneide       B     OUTGOING       01     63A TP MCCB 25KA     Terasaki/Schneide	r: 7		
BA Control MCB for Protection	08 6A Control MCB for Protection Terasaki/Schneide  B OUTGOING  01 63A TP MCCB 25KA Terasaki/Schneide			
B   OUTGOING	B   OUTGOING			
101   S3A TP MCCB 25KA (Spare)	01 63A TP MCCB 25KA Terasaki/Schneide	: <b>r</b> . l	EPC .	03 Nos.
10   10   10   10   10   10   10   10		<b>(</b> 1)		
10   10   10   10   10   10   10   10		r. )	S 160SCF	04 Nos
16   S.M.P.B-Emergency (Laboratory).	02 63A TP MCCB 25KA (Spare) Terasaki/Schneide			
Sr.   Description of Component	Total data of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the	7.3	1 3 1003 CF	UTNO.
Sr.   Description of Component	16 S.M.P.B.Emergency (Laboratory)	1	04.057	
A   INCOMING				<del></del>
		<u> </u>	Model	Quantity
Digital Voltmeter 0-600 V		<u> </u>		
Digital Voltmeter 0-600 V		rli	E400NF	01 No.
30   Voll Selector Switch	02 Digital Voltmeter 0~600 V Entes/Camsco	<b>T</b> 3	96mmX96mm	
Digital Ampere Meter				
DS				<del></del>
Object				
		<b>[</b> ]		01 No.
BA Control MCB for Protection		T b	RLC	03 Nos.
B	07 Indication Lights (R+Y+B) Terasaki/Schneide	ri ı	Led Type	03 Nos
B   OUTGOING				
01   63A TP MCCB 25KA (Spare)   Terasaki/Schneider.   S 160SCF   03 Nos			,	1 00 1408.
02 63A TP MCCB 25KA (Spare)   Terasak/Schneider:   \$ 160SCF   02 Nos	<del></del>		0.40000=	T
S.M.P.B-Emergency (Emergency Ward).				
Sr.   Description of Component	VZ   OOA IP WOOD ZONA (Spare) Terasaki/Schneide	r()	J S 160SCF	02 Nos.
Sr.   Description of Component		1		
Sr.   Description of Component   Make   Model   Quant	17 S.M.P.B-Emergency (Emergency Ward),	ľ	01 SET.	
A   INCOMING	Sr. Description of Component Make	1		Quantity
01   250A TP MCCB 25KA			1 1110001	«uanuty
Digital Voltmeter 0-600 V				
03    Volt Selector Switch	Terasakiroeniiciae			
Digital Ampere Meter	Entesioanisco	1	96mmX96mm	01 No.
Digital Ampere Meter		<b>4</b> )	4 Position	01 No.
05	04 Digital Ampere Meter Entes/Camsco	<b>1</b> 3	96mmX96mm	
Officiation Lights (R+Y+B)				
O7   Indication Lights (R+Y+B)   Terasaki/Schneider1   Led Type   O3 Nos	GO TO STREET			
B   SA Control MCB for Protection   Terasaki/Schneider   EPC   03 Nos				
B   OUTGOING			Led Type	03 Nos.
01 63A TP MCCB 25KA		r I n	EPC	03 Nos.
18   S.M.P.B-Emergency (CCU+Peeds).	B OUTGOING	<b>C</b> 3		<del></del>
18   S.M.P.B-Emergency (CCU+Peeds).	01 63A TP MCCB 25KA Terasaki/Schneide	<u>(1)</u>	S 160SCE	03 Nos
S.M.P.B-Emergency (CCU+Peeds).				
Sr.   Description of Component   Make   I   Model   Quant	TC:638RIJOGIITEIGE		13 1003CF	02 1405.
Sr.   Description of Component   Make   I   Model   Quant	18 S.M.P.R-Emergency (CCUt-Poods)	11	04 057	
A   INCOMING		<del></del>		
01   250A TP MCCB 25KA		E)	Model	Quantity
Digital Voltmeter 0~600 V Entes/Camsco I 96mmX96mm 01 No 03 Volt Selector Switch GGT/Camsco I 4 Position 01 No 04 Digital Ampere Meter Entes/Camsco I 96mmX96mm 01 No 05 Ampere Selector Switch GGT/Camsco I 4 Position 01 No 06 Current Transformer 300/5A Metelx/Fico I RLC 03 Nos 07 Indication Lights (R+Y+B) Terasaki/Schneider I EPC 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I EPC 03 Nos 09 G3A TP MCCB 25KA Terasaki/Schneider I S 160SCF 01 No 01 No 02 Digital Voltmeter 0~600 V Entes/Camsco I 96mmX96mm 01 No 03 Volt Selector Switch GGT/Camsco I 96mmX96mm 01 No 04 Digital Ampere Meter Entes/Camsco I 96mmX96mm 01 No 05 Ampere Selector Switch GGT/Camsco I 96mmX96mm 01 No 05 Ampere Selector Switch GGT/Camsco I 96mmX96mm 01 No 06 Current Transformer 300/5A Metelx/Fico I RLC 03 Nos 07 Indication Lights (R+Y+B) Terasaki/Schneider I Led Type 03 Nos 07 Indication Lights (R+Y+B) Terasaki/Schneider I Led Type 03 Nos 07 Indication Lights (R+Y+B) Terasaki/Schneider I Led Type 03 Nos 07 Indication Lights (R+Y+B) Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6A Control MCB for Protection Terasaki/Schneider I Led Type 03 Nos 08 6		IJ	· · · · · · · · · · · · · · · · · · ·	
02         Digital Voltmeter 0~600 V         Entes/Camsco         1         96mmX96mm         01 No           03         Volt Selector Switch         GGT/Camsco         1         4 Position         01 No           04         Digital Ampere Meter         Entes/Camsco         1         96mmX96mm         01 No           05         Ampere Selector Switch         GGT/Camsco         1         4 Position         01 No           05         Current Transformer         300/5A         Metex/Fico         1         RLC         03 Nos           07         Indication Lights (R+Y+B)         Terasaki/Schneider L         Led Type         03 Nos           08         6A Control MCB for Protection         Terasaki/Schneider L         EPC         03 Nos           08         6A Control MCB for Protection         Terasaki/Schneider L         S 160SCF         02 Nos           01         63A TP MCCB 25KA         Terasaki/Schneider L         S 160SCF         01 No           19         S.M.P.B-Emergency (Admin+OPD Hall+Dialysis).         Image: Admin-OPD Hall+Dialysis L         Image: Admin-OPD	01 250A TP MCCB 25KA Terasaki/Schneide	111:	E400NF	01 No
O3   Volt Setector Switch   GGT/Camsco   1   4 Position   O1 No	02 Digital Voltmeter 0~600 V Entes/Cameco			
04       Digital Ampere Meter       Entes/Camsco       1       96mmX96mm       01 No         05       Ampere Selector Switch       GGT/Camsco       1       4 Position       01 No         06       Current Transformer       300/5A       Metelx/Fico       1       RLC       03 Nos         07       Indication Lights (R+Y+B)       Terasaki/Schneider I       Led Type       03 Nos         08       6A Control MCB for Protection       Terasaki/Schneider I       EPC       03 Nos         B       OUTGOING       II         01       63A TP MCCB 25KA       Terasaki/Schneider I       S 160SCF       02 Nos         02       63A TP MCCB 25KA (Spare)       Terasaki/Schneider I       S 160SCF       01 No         19       S.M.P.B-Emergency (Admin+OPD Hall+Dialysis).       I       01 SET.         Sr.       Description of Component       Make I       Model       Quan         A       INCOMING       I       E400NF       01 No         01       250A TP MCCB 25KA       Terasaki/Schneider I       E400NF       01 No         02       Digital Voltmeter 0~600 V       Entes/Camsco       I       96mmX96mm       01 No         03       Volt Selector Switch       GGT/Camsco       I <td></td> <td></td> <td></td> <td></td>				
Ampere Selector Switch   GGT/Camsco   A Position   O1 No	00.100.1100			
O6   Current Transformer   300/5A   Metelx/Fico   L.   RLC   03 Nos		Li		
Current Transformer   300/5A   Metetx/Fico   L.   RLC   03 Nos		<b>f</b> )		01 No.
07         Indication Lights (R+Y+B)         Terasaki/Schneider (		L	RLC	03 Nos.
08         6A Control MCB for Protection         Terasaki/Schneider it         EPC         03 Nos           B         OUTGOING         II           01         63A TP MCCB 25KA         Terasaki/Schneider it         \$ 160SCF         02 Nos           02         63A TP MCCB 25KA (Spare)         Terasaki/Schneider it         \$ 160SCF         01 No           19         S.M.P.B-Emergency (Admin+OPD Hall+Dialysis).         I         01 SET.           Sr.         Description of Component         Make         I         Model         Quan           A         INCOMING         I         Model         Quan           01         250A TP MCCB 25KA         Terasaki/Schneider it         E400NF         01 No           02         Digital Voltmeter 0~600 V         Entes/Camsco         I         96mmX96mm         01 No           03         Volt Selector Switch         GGT/Camsco         I         4 Position         01 No           04         Digital Ampere Meter         Entes/Camsco         I         4 Position         01 No           05         Ampere Selector Switch         GGT/Camsco         I         4 Position         01 No           05         Ampere Selector Switch         GGT/Camsco         I         4 Position	07 Indication Lights (R+Y+B) Terasaki/Schneide	erti	Led Type	03 Nos.
B   OUTGOING				
01         63A TP MCCB 25KA         Terasaki/Schneider   S 160SCF         02 Nos           02         63A TP MCCB 25KA (Spare)         Terasaki/Schneider   S 160SCF         01 No           19         S.M.P.B-Emergency (Admin+OPD Hall+Dialysis).         01 SET.           Sr.         Description of Component         Make   r   Model   Quan           A INCOMING         INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING   INCOMING	1.0.00000000000000000000000000000000000		<u> </u>	1 .00 1103.
02         63A TP MCCB 25KA (Spare)         Terasaki/Schneider         J         S 160SCF         01 No           19         S.M.P.B-Emergency (Admin+OPD Hall+Dialysis).         I         01 SET.           Sr.         Description of Component         Make         r         Model         Quan           A         INCOMING         I         I         E400NF         01 No           02         Digital Voltmeter 0~600 V         Entes/Camsco         I         96mmX96mm         01 No           03         Volt Selector Switch         GGT/Camsco         I         4 Position         01 No           04         Digital Ampere Meter         Entes/Camsco         I         96mmX96mm         01 No           05         Ampere Selector Switch         GGT/Camsco         I         4 Position         01 No           06         Current Transformer         300/5A         Metelx/Fico         J         RLC         03 Nos           07         Indication Lights (R+Y+B)         Terasaki/Schneider         Led Type         03 Nos           08         6A Control MCB for Protection         Terasaki/Schneider         EPC         03 Nos			L 0.1600.00	T 02 11
19 S.M.P.B-Emergency (Admin+OPD Hall+Dialysis).    Sr.   Description of Component   Make   r   Model   Quan				
Sr. Description of Component Make I Model Quant INCOMING  1 250A TP MCCB 25KA Terasaki/Schneider I E400NF 01 No Digital Voltmeter 0~600 V Entes/Camsco I 96mmX96mm 01 No Volt Selector Switch GGT/Camsco I 4 Position 01 No Digital Ampere Meter Entes/Camsco I 96mmX96mm 01 No O5 Ampere Selector Switch GGT/Camsco I 4 Position 01 No O6 Current Transformer 300/5A Metelx/Fico I RLC 03 Nos O7 Indication Lights (R+Y+B) Terasaki/Schneider I Led Type 03 Nos O8 6A Control MCB for Protection Terasaki/Schneider I EPC 03 Nos	Terasaki/Schneide	111	S 160SCF	01 No.
Sr. Description of Component Make I Model Quant INCOMING  1 1 250A TP MCCB 25KA Terasaki/Schneider I SE400NF 01 No		11		<del></del>
Sr. Description of Component Make I Model Quan  A INCOMING  1 250A TP MCCB 25KA  Terasaki/Schneider I J E400NF  Digital Voltmeter 0~600 V Entes/Camsco I 96mmX96mm  Volt Selector Switch  Digital Ampere Meter Entes/Camsco I 96mmX96mm  Make I Model Quan  Terasaki/Schneider I J E400NF  O1 No  O2 Digital Voltmeter 0~600 V Entes/Camsco I 96mmX96mm  O1 No  O4 Digital Ampere Meter Entes/Camsco I 96mmX96mm  O5 Ampere Selector Switch  GGT/Camsco I 4 Position  O1 No  O6 Current Transformer 300/5A Metelx/Fico I RLC  O3 Nos  O7 Indication Lights (R+Y+B) Terasaki/Schneider I Led Type  O3 Nos  O8 6A Control MCB for Protection Terasaki/Schneider I EPC  O3 Nos		11	01 SET.	
A   INCOMING   1   1   1   1   1   1   1   1   1	Sr. Description of Component Make	17		Quantity
01         250A TP MCCB 25KA         Terasaki/Schneider I J         E400NF         01 No           02         Digital Voltmeter 0~600 V         Entes/Camsco         I 96mmX96mm         01 No           03         Volt Selector Switch         GGT/Camsco         I 4 Position         01 No           04         Digital Ampere Meter         Entes/Camsco         I 96mmX96mm         01 No           05         Ampere Selector Switch         GGT/Camsco         I 4 Position         01 No           06         Current Transformer         300/5A         Metelx/Fico         I RLC         03 No           07         Indication Lights (R+Y+B)         Terasaki/Schneider I Led Type         03 No           08         6A Control MCB for Protection         Terasaki/Schneider I EPC         03 No				
02     Digital Voltmeter 0~600 V     Entes/Camsco     I     96mmX96mm     01 No       03     Volt Selector Switch     GGT/Camsco     I     4 Position     01 No       04     Digital Ampere Meter     Entes/Camsco     I     96mmX96mm     01 No       05     Ampere Selector Switch     GGT/Camsco     I     4 Position     01 No       06     Current Transformer     300/5A     Metelx/Fico     I     RLC     03 No       07     Indication Lights (R+Y+B)     Terasaki/Schneider     Led Type     03 No       08     6A Control MCB for Protection     Terasaki/Schneider     EPC     03 No	<u> </u>	ų.	EADONE	04.11-
03     Volt Selector Switch     GGT/Camsco     4 Position     01 No       04     Digital Ampere Meter     Entes/Camsco     96mmX96mm     01 No       05     Ampere Selector Switch     GGT/Camsco     4 Position     01 No       06     Current Transformer     300/5A     Metelx/Fico     RLC     03 Nos       07     Indication Lights (R+Y+B)     Terasaki/Schneider     Led Type     03 Nos       08     6A Control MCB for Protection     Terasaki/Schneider     EPC     03 Nos			<del></del>	
04         Digital Ampere Meter         Entes/Camsco         I         96mmX96mm         01 No           05         Ampere Selector Switch         GGT/Camsco         I         4 Position         01 No           06         Current Transformer         300/5A         Metelx/Fico         I         RLC         03 No           07         Indication Lights (R+Y+B)         Terasaki/Schneider         Led Type         03 No           08         6A Control MCB for Protection         Terasaki/Schneider         EPC         03 No		<del></del>		<del></del>
05     Ampere Selector Switch     GGT/Camsco     1     4 Position     01 No       06     Current Transformer     300/5A     Metelx/Fico     1     RLC     03 Nos       07     Indication Lights (R+Y+B)     Terasaki/Schneider     1     Led Type     03 Nos       08     6A Control MCB for Protection     Terasaki/Schneider     EPC     03 Nos		11	4 Position	01 No.
05     Ampere Selector Switch     GGT/Camsco     1     4 Position     01 No       06     Current Transformer     300/5A     Metelx/Fico     J     RLC     03 No       07     Indication Lights (R+Y+B)     Terasaki/Schneider     Led Type     03 No       08     6A Control MCB for Protection     Terasaki/Schneider     EPC     03 No	04 Digital Ampere Meter Entes/Camsco	1	96mmX96mm	01 No.
06     Current Transformer     300/5A     Metelx/Fico     I     RLC     03 Nos       07     Indication Lights (R+Y+B)     Terasaki/Schneider I     Led Type     03 Nos       08     6A Control MCB for Protection     Terasaki/Schneider I     EPC     03 Nos		<del>ii</del>		
07     Indication Lights (R+Y+B)     Terasaki/Schneider 1     Led Type     03 Nos       08     6A Control MCB for Protection     Terasaki/Schneider 1     EPC     03 Nos				
08 6A Control MCB for Protection Terasaki/Schneider   EPC 03 Nos		_	<del></del>	
			<del></del>	
I B   OUTGOING		F ( 1 =	EPC "	03 Nos.
		11		
	B OUTGOING	F 5		
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	B OUTGOING		S 160SCF	03 Nos
li e	B OUTGOING		S 160SCF	03 Nos.

**PEMPAK** 

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Quotation for L.V Switchgear,
M/s: The Executive Engineer
Ref: D/FM/446523/14059 dated: 02-08-22

	<del>-</del>	1		
	DBs-Emergency+Emergency (OTI Hall).	1	06 SETs.	1
Sr.	Description of Component	Make #	Model	Quantity
Α	INCOMING	41		·
01	160A TP MCCB 25KA	Terasaki/Schneider •	S160 SCF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco ••	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
В	OUTGOING	41	1	
01	32A TP MCB 6KA	Terasaki/Schneider 💵	EPC	03 Nos.
02	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	27 Nos.
1			1 2.0	1 27 (100.
21	DBs-Emergency (TB Ward+Gaynae).		05 SETs.	
Sr.	Description of Component	Make •	Model	Quantity
A	INCOMING	•	1	- Guerra
01	100A TP MCCB 10KA	Terasaki/Schneider ••	E100SF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco	96mmX96mm	. 01 No.
03	Volt Selector Switch	GGT/Camsco	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
В	OUTGOING	1 CT B B B R D CT IT CT B B B B B B B B B B B B B B B B B B		1 03 1403.
01	32A TP MCB 6KA	Terasaki/Schneider 💵	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider	EPC	18 Nos.
_ <u>02</u>	1 TOTZON OF WICH GION	Terasaki/Scrineider	CFC	10 1105.
22	DBs-Emergency (Male+Female).		00 CCT-	
Sr.	Description of Component	<del></del>	08 SETs.	04%
A A	INCOMING	Make II	Model	Quantity
01	100A TP MCCB 10KA	11		
02		Terasaki/Schneider ■■	E100SF /	01 No.
02	Digital Voltmeter 0~600 V  Volt Selector Switch	Entes/Camsco	96mmX96mm	01 No.
03		GGT/Camsco 14	4 Position	01 No.
	Indication Lights (R+Y+B)	Terasaki/Schneider ■■	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider ■■	EPC	03 Nos.
B	OUTGOING	<b>1</b>	T	1
01	32A TP MCB 6KA	Terasaki/Schneider	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider 11	EPC	18 Nos.
		H		
23	DBs-Emergency (Pharmacy).	<del>- , '</del>	03 SETs.	
Sr.	Description of Component	Make 💵	Model	Quantity
A	INCOMING		<del></del>	
01	100A TP MCCB 10KA	Terasaki/Schneider II	E100SF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco II	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco ■■	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider II	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider 11	EPC	03 Nos.
В	OUTGOING			
01	32A TP MCB 6KA	Terasaki/Schneider • •	EPC	03 Nos.
03	16/20A SP MCB 6KA	Terasaki/Schneider 11	EPC .	18 Nos.
		ĬI.		
24	DBs-Emergency (Laboratory).	<del></del>	06 SETs.	<u>,</u>
Sr.	Description of Component	Make ##	Model	Quantity
A	INCOMING	J <sup>1</sup> T		-
01	100A TP MCCB 10KA	Terasaki/Schneider	E100SF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco	96mmX96mm	01 No.
03	Voit Selector Switch	GGT/Camsco II	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider *	EPC	03 Nos.
В	OUTGOING	11		
01	32A TP MCB 6KA	Terasaki/Schneider. 1	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider.	EPC	18 Nos.

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Quotation for L.V Switchgear,
M/s: The Executive Engineer
Ref. D/FM/446523/14059 dated: 02-08-22

## PEMPAK

	11 WYTTOSES 17033 GB(BU. UZ-UG-ZZ	11		
25	DBs-Emergency (Emergency Ward).		06 SETs.	
Sr.	Description of Component	Make 1)	Model	Quantity
Α	INCOMING .	17	11.0001	Quantity
01	100A TP MCCB 10KA	Terasaki/Schneider 1)	E100SF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 1)	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco 1	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider I	Led-Type	
05	6A Control MCB for Protection	Terasaki/Schneider L	EPC	03 Nos.
В	OUTGOING	1 Terasaki/Scimeider1)	EFC	03 Nos.
01	32A TP MCB 6KA	Terasaki/Schneider I	EPC	02:31==
02	16/20A SP MCB 6KA	Terasaki/Schneider 1	EPC	03 Nos. 18 Nos.
	1 1000 0101	[ Terasaki/Schineidei 11	EFC	16 NOS.
26	DBs-Emergency (CCU+Peeds).	<b>I</b>	04 SETs.	
Sr.	Description of Component	Make 17		0
A	INCOMING	I Wake #1	Model	Quantity
01	100A TP MCCB 10KA			
02	Digital Voltmeter 0~600 V	Terasaki/Schneider	E100SF	01 No.
03	Volt Selector Switch	Entes/Camsco []	96mmX96mm	01 No.
03		GGT/Camsco II	4 Position	01 No.
	Indication Lights (R+Y+B)	Terasaki/Schneider 1	Led Type	03 Nos.
05 B	6A Control MCB for Protection	Terasaki/Schneider I	EPC	03 Nos.
	OUTGOING	<u> </u>		<del>_</del>
01	32A TP MCB 6KA	Terasaki/Schneider 1 1	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider 1 ·	EPC	18 Nos.
	<b></b>	<b>1</b> }		
27	DBs-Emergency (Admin+OPD Hall+Dialysis).	<u> </u>	04 SETs.	
Sr.	Description of Component	Make 1	Model	Quantity
Α	INCOMING	11	ν	
01	100A TP MCCB 10KA	Terasaki/Schneider I 1	E100SF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 1	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco (1)	4 Position	01 No.
04	Indication Lights (R+Y+B)	Terasaki/Schneider 1	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider 11	EPC	03 Nos.
В	OUTGOING	1		
01	32A TP MCB 6KA	Terasaki/Schneider1)	EPC	03 Nos.
02	16/20A SP MCB 6KA	Terasaki/Schneider [ ]	EPC	18 Nos.
		1		101100.
28	DBs-Emergency (TB Ward+Gaynae).		03 SETs.	
Sr.	Description of Component	Make I	Model	Quantity
A	INCOMING.	I III		Quantity
01	63A TP MCCB 25KA	Terasaki/Schneider.	S160 SCF	1
02	Digital Voltmeter 0~600 V		3100 3CF	
		Entec/Comeco III	06mmY06mm	01 No.
1 03		Entes/Camsco I)	96mmX96mm	01 No.
03	Volt Selector Switch	GGT/Camsco (1)	4 Position	01 No. 01 No.
04	Volt Selector Switch   Indication Lights (R+Y+B)	GGT/Camsco (1) Terasaki/Schneider 1	4 Position Led Type	01 No. 01 No. 03 Nos.
04 05	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection	GGT/Camsco (1) Terasaki/Schneider (1) Terasaki/Schneider (2)	4 Position	01 No. 01 No.
04 05 B	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING	GGT/Camsco () Terasaki/Schneider. 1 Terasaki/Schneider. 1	4 Position Led Type EPC	01 No. 01 No. 03 Nos. 03 Nos.
04 05	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection	GGT/Camsco (1) Terasaki/Schneider (1) Terasaki/Schneider (2)	4 Position Led Type	01 No. 01 No. 03 Nos.
04 05 B 01	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA	GGT/Camsco () Terasaki/Schneider. 1 Terasaki/Schneider. 1	4 Position Led Type EPC	01 No. 01 No. 03 Nos. 03 Nos.
04 05 B 01	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).	GGT/Camsco Terasaki/Schneider.1 Terasaki/Schneider.2 Terasaki/Schneider.3	4 Position Led Type EPC EPC 05 SETs.	01 No. 01 No. 03 Nos. 03 Nos.
04 05 B 01 29 Sr.	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component	GGT/Camsco Terasaki/Schneider.1 Terasaki/Schneider.2 Terasaki/Schneider.3  Make	4 Position Led Type EPC	01 No. 01 No. 03 Nos. 03 Nos.
04 05 B 01 29 Sr.	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING	GGT/Camsco  Terasaki/Schneider.1 Terasaki/Schneider.2 Terasaki/Schneider.3  Make  T	4 Position Led Type EPC  EPC  05 SETs.  Model	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.
04 05 B 01 29 Sr. A	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB 25KA	GGT/Camsco Terasaki/Schneider.1 Terasaki/Schneider.1 Terasaki/Schneider.1 Make Terasaki/Schneider.1	4 Position Led Type EPC  EPC  05 SETs.  Model  S160 SCF	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos. Quantity
04 05 B 01 29 Sr. A 01	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V	GGT/Camsco Terasaki/Schneider.1 Terasaki/Schneider.1 Terasaki/Schneider.1 Make Terasaki/Schneider.1  Terasaki/Schneider.1	4 Position Led Type EPC  EPC  05 SETs.  Model  \$160 SCF 96mmX96mm	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos. Quantity
04 05 B 01 29 Sr. A 01 02 03	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch	GGT/Camsco I) Terasaki/Schneider. Terasaki/Schneider.  Terasaki/Schneider.  Make II  Terasaki/Schneider.  Entes/Camsco IJ  GGT/Camsco IJ	4 Position Led Type EPC  EPC  05 SETs.  Model  \$160 SCF 96mmX96mm 4 Position	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No.
04 05 B 01 29 Sr. A 01 02 03	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B)	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider  GGT/Camsco Terasaki/Schneider  Terasaki/Schneider	4 Position Led Type EPC  SPC  05 SETs. Model  \$160 SCF 96mmX96mm 4 Position Led Type	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos. Quantity
04 05 B 01 29 Sr. A 01 02 03	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection	GGT/Camsco I) Terasaki/Schneider. Terasaki/Schneider.  Terasaki/Schneider.  Make II  Terasaki/Schneider.  Entes/Camsco IJ  GGT/Camsco IJ	4 Position Led Type EPC  EPC  05 SETs.  Model  \$160 SCF 96mmX96mm 4 Position	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No.
04 05 B 01 29 Sr. A 01 02 03	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B)	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider  GGT/Camsco Terasaki/Schneider  Terasaki/Schneider	4 Position Led Type EPC  SPC  05 SETs. Model  \$160 SCF 96mmX96mm 4 Position Led Type	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos.
04 05 B 01 29 Sr. A 01 02 03 04	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider  GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  SPC  05 SETs. Model  \$160 SCF 96mmX96mm 4 Position Led Type	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider  Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  SPC  SSETS.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider  Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  SPC  05 SETS.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  EPC	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider  Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  \$160 SCF 96mmX96mm 4 Position Led Type EPC  EPC  04 SETs.	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy). Description of Component	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider  Terasaki/Schneider Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  SPC  05 SETS.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  EPC	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr.	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female). Description of Component INCOMING 63A TP MCCB.25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy). Description of Component INCOMING	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  \$160 SCF 96mmX96mm 4 Position Led Type EPC  EPC  04 SETs.  Model	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr. A	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).  Description of Component INCOMING 63A TP MCCB 25KA	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  \$160 SCF 96mmX96mm 4 Position Led Type EPC  EPC  04 SETs.  Model	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr. A	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  EPC  04 SETs.  Model  S160 SCF 96mmX96mm	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos.  24 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr. A	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  LEPC  04 SETs.  Model  S160 SCF 96mmX96mm 4 Position	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos.  24 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr. A	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B)	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Terasaki/Schneider  GGT/Camsco Terasaki/Schneider  GGT/Camsco Terasaki/Schneider  Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  04 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type Led Type Led Type Led Type Led Type Led Type	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos.  24 Nos.  Quantity  01 No. 01 No. 03 Nos.  01 No. 01 No. 01 No. 01 No. 03 Nos.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr. A 01 02 03 04 05	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  LEPC  04 SETs.  Model  S160 SCF 96mmX96mm 4 Position	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos. 03 Nos.  24 Nos.  Quantity  01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No.
04 05 B 01 29 Sr. A 01 02 03 04 05 B 01 30 Sr. A	Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Male+Female).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B) 6A Control MCB for Protection OUTGOING 10/16/20A SP MCB 6KA  DBs-Emergency (Pharmacy).  Description of Component INCOMING 63A TP MCCB 25KA Digital Voltmeter 0~600 V Volt Selector Switch Indication Lights (R+Y+B)	GGT/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Make Terasaki/Schneider Entes/Camsco Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider  Terasaki/Schneider  GGT/Camsco Terasaki/Schneider  GGT/Camsco Terasaki/Schneider  Terasaki/Schneider	4 Position Led Type EPC  05 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type EPC  04 SETs.  Model  S160 SCF 96mmX96mm 4 Position Led Type Led Type Led Type Led Type Led Type Led Type	01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.  Quantity  01 No. 01 No. 01 No. 03 Nos.  24 Nos.  Quantity  01 No. 01 No. 03 Nos.  01 No. 01 No. 01 No. 01 No. 03 Nos.

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Page, 10/10 Quotation for L.V Switchgear. M/s: The Executive Engineer Ref: D/FM/446523/14059 dated: 02-08-22

01	10/16/20A SP MCB 6KA	Terasaki/Schneider		24 No.
L.,T.		Terasaki/Schilesten.	EFU	24 Nos.
31	DBs-Emergency (Laboratory).	Į.	03 SETs.	•
Sr.	Description of Component	. Make i	Mod	lel Quantity
Α	INCOMING	j i		
01	63A TP MCCB 25KA	Terasaki/Schneider	S160 SCF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco L		mm 01 No.
03	Volt Selector Switch	GGT/Camsco		
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider		
В	OUTGOING	. 1	<del> </del>	
01	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	24 Nos.
		i	······································	
32	DBs-Emergency (Emergency Ward).		03 SETs.	•
Sr.	Description of Component	Make i	Mod	iel Quantity
Α	INCOMING	j )		
01	63A TP MCCB 25KA	Terasaki/Schneider	. S160 SCF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco 1	96mmX96	mm . 01 No:
03	Volt Selector Switch	GGT/Camsco   :		
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider. !	EPC	03 Nos.
В	OUTGOING	<u> </u>		
01	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	24 Nos.
33	DBs-Emergency (CCU+Peeds).	1	02 SETs.	
Sr.	Description of Component	Make 1		el Quantity
Α	INCOMING	1	10100	ger Guartity
01	63A TP MCCB 25KA	Terasaki/Schneider		01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco i		
03	Volt Selector Switch	GGT/Camsco I		
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	03 Nos.
05	6A Control MCB for Protection	Terasaki/Schneider	EPC	03 Nos.
В	OUTGOING	<u> </u>		03 1405.
01	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	24 Nos.
		<u> </u>		} 271103.
34	DBs-Emergency (Admin+OPD Hall+Dialysis).		02 SETs.	
Sr.	Description of Component	Make I		iel Quantity
Α	INCOMING	`		·
01	63A TP MCCB 25KA	Terasaki/Schneider	S160 SCF	01 No.
02	Digital Voltmeter 0~600 V	Entes/Camsco L	96mmX96	
03	Volt Selector Switch	GGT/Camsco t		
04	Indication Lights (R+Y+B)	Terasaki/Schneider	Led Type	
05	6A Control MCB for Protection	Terasaki/Schneider		03 Nos.
В	OUTGOING	į. "	<del>-</del>	
01	10/16/20A SP MCB 6KA	Terasaki/Schneider	EPC	24 Nos.

#### Notes:

The quoted prices are with given specifications of components. Any change in make, brand, specifications or origin will affect the prices.

All components will be genuine and brand new purchased from the sole agent in Pakistan. The Scope of work is limited to Ex-works delivery only duly packed for inland Transportation

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

Executive Engineer Executive Eas...

Buildings Division

Engr. Ahmed Fawad Manager Marketing 0345-400-9981

#### 8. ANNUAL OPERATING COST (POST COMPLETION)

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

Cost Center:OTHERS- (OTHERS)

LO NO:LO22010084

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:LO22010084

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 will be borne by the concerned District Health Authority (DHA) as well as Primary and secondary healthcare Department, Lahore.

#### 9. DEMAND AND SUPPLY ANALYSIS

No modern health facilities and scientific diagnostics are presently available in this Hospital. This initiative of revamping Hospital covers all departments and components of healthcare including Medical, Surgical, psychiatric, Cardiac, ENT, Ophthalmic and Pediatrician components. Moreover, women health components i.e. Gymea and obstetric will also be emphasized upon. In emergency, calamities and natural disasters, valuable lives will be saved through revamping of Emergency Units.

#### 10. FINANCIAL PLAN AND MODE OF FINANCING

#### 10.1 FINANCIAL PLAN EQUITY INFORMATION

#### 10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

#### 10.3 FINANCIAL PLAN GRANT INFORMATION

Attached.

#### FINANCIAL PLAN AND MODE OF FINANCING

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

#### **Revenue Side:**

(Rs.in

Million)

	FY 2021-22	FY 2022-23
Funds Released	7.980	11.936
Utilization	6.499	2.050

#### **Capital Side:**

	FY 2021-22	FY 2022-23
Funds Released	0.000	15.000
Utilization	0.000	0.000

<u>Balance funds may be provided for completion of the project in</u> <u>subsequent years through ADP</u>

#### 10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

#### 11. PROJECT BENEFITS AND ANALYSIS

#### 11.1 PROJECT BENEFIT ANALYSIS INFORMATION

#### 11.3 SOCIAL BENEFITS WITH INDICATORS

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

#### 11.3.1 SOCIAL IMPACT:

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

#### 11.2 ENVIRONMENTAL IMPACT ANALYSIS

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

#### 11.3 PACT ANALYSIS

undefined

#### 11.4 ECONOMIC ANALYSIS

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.

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.

#### 11.5 FINANCIAL ANALYSIS

PROJECT BENEFITS AND ANALYSIS

#### FINANCIAL BENEFITS & ANALYSIS

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

#### 11.1.1 FINANCIAL IMPACT:

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

#### 11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees

Diagnostic facility fees

X-Ray fee

Dental fee

ECG fee

Private room charges

Parking fee

Medico Legal Fee

#### 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

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

#### **12.4 M&E PLAN**

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

#### 12.5 RISK MITIGATION PLAN

Attached

### **RISK REGISTER**

## Programme for Revamping of all THQ Hospitals in Punjab

		RISK DATA			itigation / Co		MITIGATION	
Risk Item No	k Item No Risk Description/Event Cause		Effect / Consequences	`		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 Health Management Structure is available in PC-I

#### 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

#### 15. CERTIFICATE

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

**Email:** Tel. No.:042-99231206

Fax No:

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

15. It is certified that the project titled "Balance work of Revamping of DHO Attority (1st Revised)" has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

Prepared By:

(HISSAN ANEES)

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

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

Checked By:

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DEPPUTY PROJECT DIRECTOR (PMU),
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(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