

PC-1

Revamping of THQ Hospital, Shorkot District Jhang

ORIGINAL APPROVED COST	PKR Million. 312.733/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

Revamping of THQ Hospital, Shorkot District Jhang

2. LOCATION OF THE PROJECT

- 2.1. DISTRICT(S)
 - I. JHANG
- 2.2. TEHSIL(S)
 - I. SHORKOT

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	GS No:5296
4	Total Allocation:0.000
5	Funds Diverted:0.000
6	Balance Funds:0.000
7	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1,300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

Due to lack of structured planning and monitoring, previous efforts did not materialize into an integrated health care regime, rather these have resulted in haphazard construction, poor repair and maintenance, lack of basic amenities, absence of waiting areas, substandard diagnostics and therapeutics, shabby outlook and suboptimal level of patient care over all. Such state of affairs has severely jolted level of trust in health care system by common man and hence the patients prefer to visit tertiary level hospitals or even private health facilities for treatment of even very common pathologies. This subsequently has a cascade effect on socioeconomics of common man who has to spend more in shape of travelling from villages to district headquarters and then bearing costs of private treatment, secondly, this has also increased disease load on our tertiary health care establishments.

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

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

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

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

5.3 Infrastructural Interventions

The construction of various new blocks of hospital complex is constructed without any proper planning and necessary connection to existing blocks. On the whole, the complete infrastructure of hospital is quite complex and scattered, access to various blocks of hospital is quite inadequate and there is no proper connection or link between different blocks of hospital. In the revamping program of DHQ and THQ Hospitals, the placement of various facilities of hospitals are replanned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

- 5.3.2 Internal Development
- 5.3.3 Medical Infrastructure Development
- **5.3.4 Emergencies Development**

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

Landscaping in hospital adds aesthetic & beauty to the built environment as well as improves in reducing the pollution. Soft & hard landscape reduces dust particles moment in air, hence contributes in a clean environment. The hours spent in a hospital can be stressful for patients, staff and visitors. According to research easy access to a natural environment can contribute to stress management and potentially improve health outcomes: physiological studies indicate that 3-5 minutes spent in such Hospital Outdoor Landscape Design environments reduces anger, anxiety and pain and induces relaxation. Research also shows that "positive distractions" can reduce stress and their visual forms include gardens, scenic views and artwork, which play a critical role in modern hospital design: gardens, fountains, and water features provide patients, staff and visitors with restorative experiences of nature. In this regard complete lawns development, placement of benches, dust bins, playing equipment, fruit trees, flower plants, fruit trees and gazebos are proposed in all hospitals under revamping program

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

Non-clinical facilitation of patients and attendants were specially considered in the revamping program. One such facilitation step is designing the parking and waiting areas on basis of daily influx of vehicles and patients/attendants during the peak hours. <u>Parking and waiting areas</u> on several places of hospital were then proposed according to the design.

5.3.1.8 External Signage

<u>Eexternal signage system</u> is designed including various signage types for complete guidance of patient attendants and to search concerned facility promptly.

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

In any hospital, the most important and critical area is its emergency block. Specially, if hospital is situated on a highway where there is a huge flux of rapidly moving traffic which can be a major source of causalities, if patient treatment is not proper. Besides road trauma cases, cardiac cases and burn cases etc. are also more likely to be initially treated in emergency. Proper first aid to patient reduces morbidity and mortality. The emergency department of hospital is a block where in time service delivery is so much essential that delay in proper treatment can cause lot of lives to suffer from serious diseases for rest of their life. In a nutshell, the efficiency and in time service delivery of emergency block depicts the overall efficiency of the hospital.

In order to improve the emergency department and to ensure in time service delivery of the same, special initiatives are being taken in this regard. Infrastructure of emergency department depends a lot on its service delivery and efficiency. An emergency department with all necessary medical and general equipment and equipped with all essential medical facilities but without ineffective and poorly planned infrastructure will never fulfill its need. Conclusively, such infrastructural interventions are planned in this program so that the efficiency of emergency department can be optimized. Some of the following major interventions are listed below:

5.3.3.1.2 Position of Emergency Department

It is planned that new construction of building should be avoided at most because already existing blocks with no proper utilization are existing in all of the hospitals. The emergency block should be on such a location that the distance between that department and main entrance gate should be minimum with respect to other locations or positions of complex. To fulfill this purpose, that portion of this building block is selected for re planning of emergency department which is most near to the entrance gate. The far positioning of emergency department will result the lost in time for patient during its travelling which can be crucial.

5.3.3.1.3 Access towards the Emergency Department

The route leading towards the emergency department is important in this aspect that a smooth track and a widened path will be feasible for the movement of vehicle or stretcher. Initiatives are taken in this program for construction of new pathways or renovation of existing ones leading towards the emergency department. Such material of the external platform is selected so that a smooth movement should be observed over it rather than jerks bumps. Moreover, the width of the passage from entrance gate up to emergency department is designed by keeping in view the flux of the vehicles rushing towards the emergency block.

5.3.3.1.4 Medical Infrastructure Emergency:

The existing emergency department or other block of the hospital according to its access from entrance gate, is designed and re planned according to the above described emergency facilities. The changings or amendments in the existing covered area of the hospital are proposed according space availability. Due to the rush of patients and increased number of minor surgeries performed in the emergency department make it one of the dirtiest department of the hospital. Hence, in this regards it is very much essential to keep the floors of certain area of emergency department bacteria free. Seamless flooring is proposed in this regard to avoid the groves so that the cleaning process can be made easy. Low epoxy paint is designed and proposed in this regard on Minor OT, Gurney area and specialized healthcare unit.

Provision of medical gasses is essential to facilitate the patients suffering from breathing issue due to some disease and ailment. The filling process of oxygen in the cylinders is outsourced to ensure the continuous supply of the oxygen among the beds. The oxygen system comprises on copper pipe, central oxygen supply system for pressure maintenance, oxygen cylinders and flow meter with bed head units.

5.3.3.1.5 General Building Interventions:

In order to improve the over building condition of emergency blocks following major interventions are taken:

- 1. Provision of flooring and skirting
- 2. Painting on interior and exterior side of department

- 3. Provision of false ceiling
- 4. Replacement of damaged and renovation of existing wooden doors
- 5. Provision of aluminum doors and windows
- 6. Public health work regarding supply of water and gas along with improvement of sewerage system
- 7. Provision of LED panel lights, ceiling fans, exhaust and wall bracket fans
- 8. Improvement of existing wiring and distribution including replacement of damaged equipment and proposal of new equipment

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

During construction phase, "Construction Supervision" will be carried out by the Procuring Agency (Director Infrastructure) along with Punjab Buildings department (C&W D) who will certify construction activity.

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

MSDS are minimum level of services, which the patients and service users have a right to expect. MSDS include minimum package of services, standards of care (level specific) and mandatory requirements/systems for delivery of effective health care services. The World Health Assembly in Alma-Atta in 1978 expressed the need of action to protect and promote the health for all the people of the world. Essential health is to be made universally accessible to individuals and families through their full participation and at a cost that the community and country can afford. MSDS is now being deemed to be of vital importance at Secondary HealthCare level. The THQ hospital provides promotive, preventive, curative, diagnostics, in patients, referral services and also specialist care.

THQ hospitals are supposed to provide basic and comprehensive EmONC. THQ hospital provides referral care to the patients including those referred by the Rural Health Centers, Basic Health Units, Lady Health Workers and other primary care facilities. The District Head Quarters Hospital is located at District headquarters level and serves a population of 1 to 3 million, depending upon the category of the hospital. The THQ hospital provides promotive, preventive, curative, advance diagnostics, inpatient services, advance specialist and referral services. Services package and standards of care at SHC level are also not well defined. Deficient areas include: weak arrangements to deal with non-communicable diseases, mental, geriatric problems and specialized surgical care especially at THQ. There is disproportionate emphasis on maternal and child health services at SHC facilities. Services-package being provided at PHC and SHC are also deficient in terms of Health care providers' obligations, patients' rights and obligations.

MSDS umbrella is very vast and it requires a very extensive and planned approach towards, gap analysis, planning, development, implementation,

monitoring and evaluation. MSDS comprises of 10 thematic area, 30 standards and 162 indicators. Government of Punjab has taken an initiative to standardize all hospitals of Punjab in accordance with Punjab Health Care Commission Minimum service delivery standards. PMU team segregated MSDS indicators into various targets and sub-targets to make these targets achievable. Manuals for both clinical and non-clinical specialties are being prepared comprising of departmental organizational plan, criteria for essential human resource, essential equipment, general and specialized SOPs, departmental safety guidelines etc. Standardized Medical Protocols (SMPs) are standard steps to be taken by a health facility during medical or surgical management of a patient. Standard Operating Procedure (SOPs) are detailed description of steps required in performing a task including specifications that must be complied with and are vital to ensure the delivery of these services .It requires literature review, departmental view, facility visits, consultative visits and development of action plan for implementation of MSDS. Effective MSDS implementation requires essential documentation. Documentation is a key for record keeping, monitoring and auditing. For this purpose, registers, forms, displays have to be designed with coding for effective tracking. In addition to this it also requires analysis from field from utilization point of view.

Displays constituting of public serving messages, health related information and general facility related guidelines. In order to monitor effective implementation, compliance monitoring is required to be carried out by field experts which is followed up by further planning to ensure continuous delivery of effective, accessible, continuous and quality services to masses in 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 Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis and gap identification
- 8. Continuous strategy making and implementation with backup plan for secondary options.
- 9. Responsibility designation for clinical and non-clinical procedures and activities.
- 10. Effective utilization, calibration and maintenance of equipment with record maintenance and their audit
- 11. Establishment of plans, implementation, analysis of gaps with alternate planning regarding fire evacuation plan, hospital inflectional control plan, hospital operational and

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 <u>X-Ray</u>

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

5.3.3.5 <u>CCU</u>

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

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

5.3.3.6 Dialysis Unit

Chronic kidney disease is now a significant public health problem worldwide. Chronic kidney disease globally affects almost 10 % of general population with Incidence in prevalence of disease are still rising especially in developing countries .The rise in chronic kidney disease is by aging of the populations and growing problems of obesity, diabetes, high blood pressure and cardiovascular diseases.

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

An **intensive care unit** (**ICU**) is a special department of a hospital or health care facility that provides <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.

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

5.4.5 Security

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

5.6 HR & Management Interventions Structure

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

New Organogram of Hospital



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



Page 29

5.6.1 <u>Non Clinical HR Interventions (Human Resource (HR) Plan</u> <u>Management Structure)</u>

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.

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 <u>HR for QMS and MSDS and Day Care Center.</u> 5.7.1.1 <u>QMS Supervisor / Information Desk Officer</u>

Shall be responsible whole QMS networking

Eligible Criteria

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

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

1. MBBS & Masters in Public Health, or equivalent qualification.

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

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

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

Punjab Healthcare Commission was established under the PHC Act 2010 as an autonomous regulatory body for health sector; with the purpose of improving the quality, safety and efficiency of healthcare service delivery for all Public and Private Healthcare Establishments (including Allopaths, Homeopaths and Tibbs) in the province of Punjab. The Punjab Healthcare Commission has developed Minimum Service Delivery Standards (MSDS) for all hospitals to improve the quality of healthcare services all over the Punjab. All Healthcare Establishments are required to implement MSDS to acquire a License to deliver healthcare services in Punjab.

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 <u>Reporting Arrangements</u>

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 <u>Remunerations</u>

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

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

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

PPS-10	437,500700,000	5
PPS-11	612,500 980,000	5
PPS-12	875,0001,400,000	5

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

	No. of	Original Pa approved	ay package	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	105,000	1,260,000			
Human Resource Officer	1	80,000	960,000	105,000	1,260,000			
IT/Statistical Officer	1	80,000	960,000	105,000	1,260,000			
Finance & Budget Officer	1	80,000	960,000	105,000	1,260,000			
Procurement Officer	1	80,000	960,000	105,000	1,260,000			
Quality Assurance Officer	1	80,000	960,000	105,000	1,260,000			
Logistics Officer	1	80,000	960,000	105,000	1,260,000			
Data Entry Operator (DEO)	2	35,000	840,000	44,000	1,056,000			
Assistant admin Officer	2	50,000	1,200,000	70,000	1,680,000			
Total	11		8,760,000	849,000	11,556,000			

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

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

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

Attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-1. The Population of Tehsil Shorkot District Jhang is more than 0.514 million. The area of the THQ Hospital Shorkot District Jhang is 298,610 SFT land.

6.1 Description and Justification

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

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

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

Care Center, HR, Medical Gases, Cafeteria are fixed in all hospitals as per yardstick established by P& SH Department. Prior to initiation of this exercise standardization of required facilities was done by committee of experts in P & SH Department and on the basis of it, gaps were identified which would be covered under this PC-I.

Justification for 3rd Revision of PC-I

- 1. Originally the Civil work component of the scheme was planned to be executed by the Health Council of the concerned District Health Authority based on cost estimates prepared by the Infrastructure Wing of PMU and approved by the DDSC. Accordingly, funds of Rs.3, Rs.5 and Rs.10 million were provided during FY 2017-18 for the execution of work as per parameters provided to these THQ Hospitals. However, no reasonable revamping civil work was carried out and hence did not fulfil the requirement and the objectives of the Revamping Program. Now P&SHD has decided to carry out further revamping of Civil work through Communication and Works Department Punjab to accomplish the uniformity of THQ Hospitals with already revamped hospitals of Phase-I. Hence the Rough Cost Estimates of the Punjab Buildings Department has been included in the civil work cost of this scheme.
- 2. Primary & Secondary Healthcare Department (P&SHD) made a decision to shift all the clerical posts in DHQ / THQ hospitals of Punjab to District Health Authorities as per notification dated 24th October, 2017. This administrative decision was taken due to a multiplicity of reasons which were adversely affecting healthcare service delivery in the hospitals. Primarily, these clerical posts were not specialized in any particular field, and therefore, the HR hired against these posts were generalized to the extent that they were not able to perform functions of Hospitals and Health Specific tasks that any medical administration should ideally perform. Additionally, public complaints against the clerical staff on issues such as behavior, performance created an environment of malfeasance in all hospitals. In place of the clerical positions, the Department introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers/officials recruited as a part of the NMS have a minimum of 16 years of education. Introduction of New Management Structures (NMS) across all secondary hospitals in the Punjab, has allowed for the overall efficiency of District and Tehsil Headquarters Hospitals. In each Tehsil Headquarter Hospital HR under MNS has been provided for smooth running of the health services. Pay Package for NMS Staff was never been revised since 2017-18, therefore it was decided to approach the P&D Department for revision of Pay package. The PDWP approved revised pay page in its meeting held on 08-02-2022 based on PPS approved in 60th PDWP meeting as under: -

	60 th PDWP Me	eting	
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 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I.

- 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 Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.
- 4. 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 increased from 40.306 to 49.060 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



6.2 SECTORAL SPECIFIC INFORMATION

Social Sector Health Department

7. CAPITAL COST ESTIMATES

Financial Components: Revenue Cost Center:OTHERS- (OTHERS) Fund Center (Controlling):N/A Grant Number:Development - (PC22036) LO NO:LO17011173 A/C To be Credited:Assan Assignment

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

Financial Components: Capital **Cost Center:**OTHERS- (OTHERS) **Fund Center (Controlling):**LE4203 Grant Number:Government Buildings - (PC12042) LO NO:LO22010078 A/C To be Credited:Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021	-2022	2022-	-2023	2023	-2024	2024-2025		
		Local	Foreign	Local	Foreign	Local	Local Foreign		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	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	0.000	0.000	

PKR Million

Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Abstract of Cost

	ADSTRACT OF COST												
Name of THQ Hospital						THQ S	SHORKOT	•					
		Origina	al		1st Rev	ised		2nd Revise	d		3rd Revise	d	
Scope of work				•	Cost in	million							
-	Capit	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	
Capital component													
Internal development	0.000	25.234	25.234	0.000	25.234	25.234	25.441	10.000	35.441	31.219	10.000	41.219	
External development	0.000	3.698	3.698	0.000	3.698	3.698	14.865	0.000	14.865	17.841	0.000	17.841	
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	0.000	0.000	0.000	0.000	0.000	0.000	
Total Capital Component	0.000	34.532	34.532	0.000	34.532	34.532	40.306	10.000	50.306	49.060	10.000	59.060	
Revenue component													
Emergency	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438	
Med. Machinery and Equipment	0.000	52.543	52.543	0.000	52.543	52.543	0.000	71.926	71.926	0.000	111.418	111.418	
Electricity	0.000	15.744	15.744	0.000	15.744	15.744	0.000	15.744	15.744	0.000	24.744	24.744	
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	20.120	20.120	
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788	
Interior and Exterior decorations/	0.000	3.354	3.354	0.000	3.354	3.354	0.000	4.695	4.695	0.000	4.695	4.695	
Signage													
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	38.820	38.820	0.000	56.457	56.457	
LC Deficit during procurement								2.365	2.365		2.365	2.365	
(currency fluctuation)													
Total Revenue component	0.000	127.127	127.127	0.000	127.127	127.127	0.000	175.022	175.022	0.000	253.625	253.625	
Outsourcing component													
Janitorial Services	0.000	12.985	12.985	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Security and Parking services	0.000	6.370	6.370	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Laundry Services	0.000	40.927	40.927	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Maintenance (Generator)	0.000	1.920	1.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
MEP	0.000	4.486	4.486	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Horticulture services	0.000	2.396	2.396	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048	
Total outsourcing cost	0.000	77.133	77.133	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048	
Total	0.000	238.791	238.791	0.000	161.706	161.706	40.306	185.070	225.377	49.060	263.673	312.733	
Contingency (1%) only on Civil	0.000	0.345	0.345	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Third Party Monitoring (TPM)	0.000	2.388	2.388	0.000 0.000 0.000 0.00				0.000	0.000	0.000	0.000	0.000	
Third Party Validation (TPV)	0.000	2.388	2.388	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Grand Total	0.000	243.912	243.912	0.000	161.706	161.706	40.306	185.070	225.377	49.060	263.673	312.733	

	MSDS													
			Origina	al	1s	t Revis	sed	2n	d Revi	sed	3re	d Revi	sed	
Sr. No.	ITEM DESCRIPTION	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)										
1	Histology slide boxes	3	3,100	9,299	3	3,100	9,299	3	4,500	13,500	3	4,500	13,500	
2	Labeling Device connected with Computer	3	60,000	180,000	3	60,000	180,000	3	80,000	240,000	3	80,000	240,000	
3	Safe Transportation Boxes	2	15,750	31,500	2	15,750	31,500	2	18,000	36,000	2	18,000	36,000	
4	Portable Safety Exhaust Hood	1	160,000	160,000	1	160,000	160,000	1	250,000	250,000	1	450,000	450,000	
5	Centrifuge Machine	0	149,336	-	0	149,336	-	0	250,000	-	0	325,000	-	
6	Hot plates	2	26,250	52,500	2	26,250	52,500	2	45,000	90,000	2	55,000	110,000	
7	Water bath	1	157,500	157,500	1	157,500	157,500	1	157,500	157,500	1	300,000	300,000	
8	Complaint boxes	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500	
9	Spine boards with Neck holders	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320	
10	Sensitometer	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325	
11	Densitometer personal	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782	
12	Box of Films	2	26,250	52,500	2	26,250	52,500	2	30,000	60,000	2	30,000	60,000	
13	Aluminium Step Wedge	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250	
14	Non-Mercury thermometer	10	305	3,045	10	305	3,045	10	350	3,500	10	750	7,500	
15	Brass or copper mesh screen	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500	
16	Vyneel Chairs	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-	
17	Statutes	0	67,830	-	0	67,830	-	0	75,000	-	0	75,000	-	
18	Blood Wallier	3	246,750	740,250	3	246,750	740,250	3	275,000	825,000	3	275,000	825,000	
19	Sequence Compression Device	2	210,000	420,000	2	210,000	420,000	2	230,000	460,000	2	600,000	1,200,000	
20	Blood Ballk Reingerators with	0	682,500	-	0	682,500	-	0	700,000	-	0	1,469,900	-	
21	Data Codel	1	84,000	84,000	1	84,000	84,000	0	100,000	100,000	0	-	-	
22	Blood Storage Cabinet	0	4,200,000	-	1	4,200,000	-	1	4,500,000	-	1	4,500,000	-	
23	Besuscitation Trolley	0	244 722	082,300	0	244 722	002,300	0	100,000	700,000	0	1,469,900	1,409,900	
24	Ultra sound machine gyne	0	1 /03 325	-	0	1 403 325	-	0	400,000	-	0	491,350	-	
25	Delivery Table	0	1,403,325	-	0	1,403,325	-	0	1,700,000	-	0	2,150,000	-	
20	Height and weight scale	4	8 400	33 600	4	8 400	33 600	4	47,230	40.000	4	48,500	126.000	
28	Suction Electronic	0	259 350	-	0	259 350	-	0	275,000		0	275.000	-	
29	Fetal Heart Rate Detector	1	144 375	144 375	1	144 375	144 375	1	175,000	175 000	1	275,000	275 000	
30	Ambo bag	0	17.325	-	0	17.325	-	0	19,000	-	0	19.000	-	
31	Neonatal size face mask	4	578	2.310	4	578	2.310	4	1,200	4.800	4	1,500	6.000	
32	Exchange transfusion trays	2	10.000	20.000	2	10.000	20.000	2	10.000	20.000	2	12.000	24.000	
33	Shoe racks SS	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600	
34	Sterilizer	0	2,940,000	-	0	2,940,000	-	0	3,500,000	-	0	7,800,000	-	
35	Washer disinfector	0	-	-	0	-	-	0	-	-	0	-	-	
36	Packing table	0	-	-	0	-	-	0	-	-	0	-	-	
37	Digital Sealer Printer	1	420,000	420,000	1	420,000	420,000	1	480,000	480,000	1	520,000	520,000	
38	Backup Auto Clave	0	441,000	-	0	441,000	-	0	550,000	-	0	789,625	-	
39	Racks for Manual	10	21,000	210,000	10	21,000	210,000	10	37,500	375,000	10	56,160	561,600	
40	Locked Racks for MSDS Data	2	21,000	42,000	2	21,000	42,000	2	37,500	75,000	2	56,160	112,320	
41	Eye Wash Station with shower	3	300,000	900,000	3	300,000	900,000	3	350,000	1,050,000	3	350,000	1,050,000	
42	Air Curtain	4	50,190	200,760	4	50,190	200,760	4	60,000	240,000	4	60,000	240,000	
43	Fire Sand Buckets with stand	5	15,000	75,000	5	15,000	75,000	5	20,000	100,000	5	20,000	100,000	
44	Smoke Detectors	10	7,350	73,500	10	7,350	73,500	10	8,500	85,000	10	8,500	85,000	
45	Heat Detector	5	8,400	42,000	5	8,400	42,000	5	10,000	50,000	5	10,000	50,000	
46	Gas Detector	5	6,300	31,500	5	6,300	31,500	5	7,500	37,500	5	7,500	37,500	
47	Fire Blankets	10	2,783	27,825	10	2,783	27,825	10	3,200	32,000	10	3,200	32,000	
48	Fire Alarms	10	5,250	52,500	10	5,250	52,500	10	6,500	65,000	10	6,500	65,000	

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

				Me	edical	Equip	ment											
				Or	iginal			1st F	Revise	d		2nd I	Revise	d		3rd F	Revise	d
Sr. Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	550,000	-
2	Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3	Electrolyte Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	550,000	-
4	Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5	Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
6 Laboratory	Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7	Hot air Oven	1	1	0	210,000	-	1	0	210,000	-	1	0	385,000	-	1	0	450,000	-
8	Distilled water plant	1	1	0	52,500	-	1	0	52,500	-	1	0	75,000	-	1	0	125,000	-
9	Auto pipettes	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,500	364,500	1	9	45,000	405,000
10	glass wares	0	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-
11	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
12	Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	##########	-
13	Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14	Computerized Radiography System	0	1	0	4,018,245	-	1	0	4,018,245	-	1	0	4,500,000	-	1	0	4,500,000	-
15 X-Rays	Dental X-Ray	0	0	0	282,975	-	0	0	282,975	-	0	0	350,000	-	0	0	525,000	-
16	Lead apron and PPE	2	0	2	52,500	105,000	0	2	52,500	105,000	0	2	60,000	120,000	0	2	85,000	170,000
17	Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18	Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19	Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20 Ultrasound	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	1	0	1,371,331	-	1	0	1,500,000	-	1	0	2,400,000	-
21	Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	5,500,000	5,500,000
22	ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23	Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24	Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25 CCU	ECG Machine Three Channel	2	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	300,000	600,000
26	ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27	Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28	Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
29	Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30 Blood Bank	Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	400,000	400,000
31	Slide viewer	1	1	0	42,000	-	1	0	42,000	-	1	0	55,000	-	1	0	55,000	-
32	Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
33 Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34	Baby Cot	10	1	9	14,669	132,017	1	9	14,669	132,017	1	9	16,000	144,000	1	9	16,000	144,000
35	Phototherapy Unit	2	1	1	130,200	130,200	1	1	130,200	130,200	1	1	655,000	655,000	1	1	850,000	850,000
36	Infant Warmer	2	1	1	335,638	335,638	1	1	335,638	335,638	1	1	985,000	985,000	1	1	1,050,000	1,050,000
37 Nursery	Pulse Oximeter	6	1	5	104,500	522,500	1	5	104,500	522,500	1	5	160,000	800,000	1	5	225,000	1,125,000
38	Infant Incubator	2	1	1	858,932	858,932	1	1	858,932	858,932	1	1	900,000	900,000	1	1	1,750,000	1,750,000
39	Suction Pump	1		1	259,350	259,350		1	259,350	259,350		1	275,000	275,000		1	300,000	300,000
40	Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000
41	Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42	BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
43	Defibrillator	2	1	1	308,713	308,713	1	1	308,713	308,713	1	1	650,000	650,000	1	1	800,000	800,000
44	Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45	Operation Table	1	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,500,000	-
46 O.T (04)	Ceiling Operating Light	1	1	0	413,013	-	1	0	413,013	-	1	0	800,000	-	1	0	950,000	-
47	STEAM STERILIZER	1	1	0	3,465,000	-	1	0	3,465,000	-	1	0	4,000,000	-	1	0	7,800,000	-
48	Suction Pump	2		2	259,350	518,700		2	259,350	518,700		2	275,000	550,000		2	300,000	600,000
49	Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
50	mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	23,000	92,000
51	MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	0	1	304,220	304,220	0	1	400,000	400,000	0	1	900,000	900,000
52	Operation Table	0	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	5,000,000	-
53	ORTHOPEDIC DRILL	0	1	0	1,108,740	-	1	0	1,108,740	-	1	0	1,500,000	-	1	0	4,000,000	-
54 Orthopedic	Plaster Cutting Pneumatic	1	1	0	276,250	-	1	0	276,250	-	1	0	450,000	-	1	0	1,500,000	-
55	Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
i	L																	

					Me	edical	Equip	ment											
					Or	iginal			1st F	Revise	b		2nd I	Revise	d		3rd F	Revise	d
Sr. No	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
56		Orthopedic Instruments	0	1	0	432,623	-	1	0	432,623	-	1	0	550,000	-	1	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,500,000	-	1	0	2,400,000	-
58	1	Autoclave	1	1	0	441,000	-	1	0	441,000	-	1	0	550,000	-	1	0	850,000	-
59	1	Delivery Set	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,000	360,000	1	9	65,000	585,000
60	Ī	Delivery Table	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	55,000	55,000
61	T	BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
62		D & C Set	2	1	1	34,650	34,650	1	1	34,650	34,650	1	1	40,000	40,000	1	1	60,000	60,000
63	Gynea (20 beds)	Vaccume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000
64	,	CTG Machine	1	1	0	628,049	-	1	0	628,049		1	0	725,000	-	1	0	900,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	900,000	900,000
67		Baby Cot	2	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000
68	T	Delivery trolly	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250
69	T	Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	200,000	-
70		Steam Sterilizer	0	0	0	3,355,849	-	0	0	3,355,849	-	0	0	4,000,000	-	0	0	7,800,000	-
71		Operation Table	0	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,500,000	-
72	Surgical Emergency (10	MOBILE OPERATING LIGHT	0	0	0	285,466	-	0	0	285,466	-	0	0	400,000	-	0	0	900,000	-
73	beds)	Suction Pump	0	1	0	259,350	-	1	0	259,350	-	1	0	275,000	-	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-
75		Set of Surgical Instruments	0	1	0	141,750	-	1	0	141,750	-	1	0	160,000	-	1	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	1	4	237,618	950,473	1	4	237,618	950,473	1	4	400,000	1,600,000	1	4	600,000	2,400,000
80		BP Appratus	15	1	14	15,750	220,500	1	14	15,750	220,500	1	14	16,000	224,000	1	14	16,000	224,000
81	Others	Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84	1	Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85	1	Image Inensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	##########	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87	-	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000
88	1	Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89	1	Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90	1	Defibrilator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91	1	Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92	1	ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93	ļ	Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94	ICU	Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	
95	+	ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96	1	Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97	1	Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98	ļ	Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000
99	1	CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-
100	ł	DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
102	ł	Ambu-Bag, addit	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000
10		Along with Atopsy Table & Lifter Trolley	-			0.400.000	4 000 000			0.400.000	4 000 000			0.000.000	5.040.000			0.000.000	E 040 000
104	ł		2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
100	+	Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
100	+	Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	525,000	525,000
107	+	Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108	Dental Unit	DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109	1	Ultrasonic scaling	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000

					Me	edical	Equip	ment											
					Ori	ginal			1st R	evise	d		2nd F	Revise	d		3rd F	Revise	d
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
110		Curing lights	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114		Shortwave diathermy	1	0	1	844,562	844,562	0	1	844,562	844,562	0	1	1,500,000	1,500,000	0	1	2,750,000	2,750,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000
120		C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121	Physiotherapy	Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122	unit	Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	1,404,000	1,404,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trollies	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	Beds	Fowler beds with Mattress	100	0	100	70,000	7,000,000	0	100	70,000	7,000,000	0	100	110,000	11,000,000	0	100	150,000	15,000,000
		Total					52,542,795				52,542,795				71,925,691				111,418,388
1							52.543				52.543				71.926]			111.418

				Elec	tricity								
			Origina	I		1st Revis	ed	2	2nd Revis	ed		3rd Revis	ed
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000
2	Transformers (100 KVA)	0	450,000	-	0	450,000	-	0	450,000	-	0	450,000	-
3	Generator (200 KVA)	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000	2	6,500,000	13,000,000
4	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-
5	2 Ton air conditioners (split)	0	55,500	-	0	55,500	-	0	55,500	-	0	55,500	-
6	2 Ton air conditioners (Cabinet)	38	78,000	2,964,000	38	78,000	2,964,000	38	78,000	2,964,000	38	78,000	2,964,000
7	4 Ton air conditioners (Cabinet)	22	120,000	2,640,000	22	120,000	2,640,000	22	120,000	2,640,000	22	120,000	2,640,000
8	Ceiling Fans 56"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800
10	Bracket Fans 18"	113	3,280	370,640	113	3,280	370,640	113	3,280	370,640	113	3,280	370,640
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			15,744,440			15,744,440			15,744,440			24,744,440
				15.744			15.744			15.744			24.744

				П	~ & QN	IS & Si	urveilla	ince					
			Origina	al	1s	t Revis	sed	2n	d Revi	sed	3r	d Revis	sed
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Desktop, UPS, LED	30	75,000	2,250,000	30	75,000	2,250,000	30	130,000	3,900,000	30	216,000	6,480,000
2	MS Windows License	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000
3	Scanner Flatbed with ADF	3	90,000	270,000	3	90,000	270,000	3	150,000	450,000	3	150,000	450,000
4	Heavy duty Printer	7	40,000	280,000	7	40,000	280,000	7	50,000	350,000	7	110,000	770,000
5	Multimedia Projector with Screen	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
6	Tabs	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000
7	Laptop	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
8	MS Windows License	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000
9	QMS System	1	3,700,000	3,700,000	1	3,700,000	3,700,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
10	Networking	1	995,000	995,000	1	995,000	995,000	1	995,000	995,000	1	1,200,000	1,200,000
11	Monitoring & Surveillance (CCTV)	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
12	Public Address System	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,200,000	1,200,000
	Total			14,515,000			14,515,000			16,715,000			20,120,000
				14.515			14.515			16.715			20.120

IT & OMG & Surveillance

Furniture and Fixtures

		Fur	niture	and Fi	ixtur	es							
			Origin	al	1:	st Rev	ised	2r	nd Rev	rised	3r	'd Rev	ised
Sr. No.	Item Name	Quantity	Unit Price	Total									
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	40000	2,400,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	40000	400,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	60000	480,000
4	Doctors rooms Furniture	30	70,000	2,100,000	30	70,000	2,100,000	30	70,000	2,100,000	30	125000	3,750,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20000	40,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	200	1,200,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9000	360,000
13	Printing			1,000,000			1,000,000			1,000,000			1,000,000
	Machinery and Equipment's												
14	Refrigerator(Domestic) front glass double door	2	160,000	320,000	2	160,000	320,000	2	160,000	320,000	2	150000	300,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	90000	450,000
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	50000	250,000
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	75000	375,000
18	Washing machines for pantries	3	13,000	39,000	3	13,000	39,000	3	13,000	39,000	3	11000	33,000
19	Gas Burner for pantries	10	4,800	48,000	10	4,800	48,000	10	4,800	48,000	10	80000	800,000
20	Fire Extinguishers DCP	30	4,800	144,000	30	4,800	144,000	30	4,800	144,000	30	6500	195,000
21	LED TV	15	55,000	825,000	15	55,000	825,000	15	55,000	825,000	15	140000	2,100,000
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	60000	300,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	20000	80,000
	Laundry & Washing												
24	Bed Sheets and pillow covers	300	1,250	375,000	300	1,250	375,000	300	1,250	375,000	300	2500	750,000
25	Pillows	150	400	60,000	150	400	60,000	150	400	60,000	150	500	75,000
26	Blankets with covers	100	5,000	500,000	100	5,000	500,000	100	5,000	500,000	100	4000	400,000
	Medicine Store												
27	Medicine (Iron Racks) 8x6x2 (Required)	20	50,000	1,000,000	20	50,000	1,000,000	20	50,000	1,000,000	20	60000	1,200,000
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	20000	40,000
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	35000	70,000
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	10000	200,000
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	6500	162,500
33	Thermometer (Required)	20	16,000	320.000	20	16,000	320.000	20	16,000	320.000	20	600	12.000
	Total		. 0,000	13,503,500		. 0,000	13.503.500		,	13.503.500			18.787.500
				13.504	i i		13.504			13.504			18.788

			0	rigin	al	1st	Revi	sed	2nc	d Rev	vised	3rc	l Rev	ised
Sr No	Туре	Kinds of Sign Boards	Quantity	Rates	Cost									
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	7	9,965	69,755	7	9,965	69,755	7	13,951	97,657	7	13,951	97,657
2	A2	External Platform/Road Signage (Triangular)	7	9,116	63,812	7	9,116	63,812	7	12,762	89,337	7	12,762	89,337
3	B1	Main Directional Board	1	110,791	110,791	1	110,791	110,791	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	12	14,235	170,820	12	14,235	170,820	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	22,154	22,154	1	22,154	22,154	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,701	29,701	1	29,701	29,701	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,679	36,679	1	36,679	36,679	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,543	44,543	1	44,543	44,543	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,007	52,007	1	52,007	52,007	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,823	23,469	3	7,823	23,469	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	46,491	325,437	7	46,491	325,437	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	3	40,563	121,689	3	40,563	121,689	3	56,788	170,365	3	56,788	170,365
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,496	447,480	5	89,496	447,480	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	68,140	340,700	5	68,140	340,700	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	5	50,465	252,325	5	50,465	252,325	5	70,651	353,255	5	70,651	353,255
4	F4	Internal Hanging Signage (Corridor 2)	5	51,050	255,250	5	51,050	255,250	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	7	12,908	90,356	7	12,908	90,356	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,710	74,200	20	3,710	74,200	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	110	853	93,830	110	853	93,830	110	1,194	131,362	110	1,194	131,362
8	K1	Internal Wall Signage	110	1,401	154,110	110	1,401	154,110	110	1,961	215,754	110	1,961	215,754
9	L1	Room Numbers Fixed on Wall	60	3,556	213,360	60	3,556	213,360	60	4,978	298,704	60	4,978	298,704
10	M1	Advance Fire Exit Sign	10	1,810	18,100	10	1,810	18,100	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,252	12,520	10	1,252	12,520	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,398	47,960	20	2,398	47,960	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,768	103,840	5	20,768	103,840	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,140	53,500	25	2,140	53,500	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	644	3,220	5	644	3,220	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,126	11,260	10	1,126	11,260	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	875	13,125	15	875	13,125	15	1,225	18,375	15	1,225	18,375
		Total	-		3,255,993			3,255,993	-	,	4,558,390	-	, -	4,558,390
		Designing and Site Supervision			97,680			97,680			136,752			136,752
		Grand Total			3,353,673		l	3,353,673			4,695,142	l		4,695,142
			1		3.354			3.354			4.695			4.695

			Original		1st	Revised	I	2nc	l Revised	ł	3rd	Revised	1
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
1	Cylinder Block	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
2	Geometrical Cabinet (36 pcs)	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
3	Geometrical Solids (10 pcs)	1	2.200	2.200	1	2.200	2,200	1	2,200	2,200	1	2,200	2.200
4	Base for Geometrical Solids (14	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
5	Constructive Triangles (4 box)	1	400	400	1	400	400	1	400	400	1	400	400
6	Metal Insets (10 - shape)	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
7	Stand for metal insets	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
8	Paper Board for metal insets (10 Boards)	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
9	Sandpaper Alphabets (English)	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
10	Sandpaper Alphabets (Urdu)	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500
11	Sandpaper Number	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
12	Hammer Case	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
13	Soft Reading Book	15	200	3,000	15	200	3,000	15	200	3,000	15	200	3,000
14	Shape Sorting Case	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
15	Transport Set (Model)	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
16	Model Puzzles (S)	7	300	2,100	7	300	2,100	7	300	2,100	7	300	2,100
17	Model Puzzles (B)	7	500	3,500	7	500	3,500	7	500	3,500	7	500	3,500
10	Storybook	20	100	2,000	20	100	2,000	20	100	2,000	20	100	2,000
20	Packet (L)	20	1 000	10,000	20	1 000	10,000	20	1 000	10,000	20	1 000	10,000
20	Basket (S)	10	1,000	6,000	10	1,000	6,000	10	1,000	6,000	10	1,000	6,000
22	Color table Box	2	1 000	2,000	2	1 000	2,000	2	1 000	2,000	2	1 000	2,000
23	ABC Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
24	Number Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
25	Color Pensils (Large)	5	450	2,250	5	450	2,250	5	450	2,250	5	450	2,250
26	Color Crayons (Large)	5	300	1,500	5	300	1,500	5	300	1,500	5	300	1,500
27	Marker Color (Board and Permanent)	15	395	5,925	15	395	5,925	15	395	5,925	15	395	5,925
28	Fruits Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
29	Vegetables Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
30	Animal Sets	2	600	1,200	2	600	1,200	2	600	1,200	2	600	1,200
31	Insects sets	2	400	800	2	400	800	2	400	800	2	400	800
32	Shape Sorting House	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000
33	Flash card (Small)	10	120	1,200	10	120	1,200	10	120	1,200	10	120	1,200
34	Flash card (Big)	10	325	3,250	10	325	3,250	10	325	3,250	10	325	3,250
35	Sand Play	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000
36	Gym Play	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000
37	Straight Mats	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000
38	Folding Mats	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000
39	Cube Cushion	3	500	1,500	3 2	500	1,500	3 2	500	1,500	3	500	1,500
40	Square Cushion	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
42	Baby Mirror	3	300	2 400	3	300	2 400	3	300	2 400	3	300	2 400
43	Pink Tower With Stand	1	800	500	1	800	500	1	800	<u>2,-00</u> 500	1	800	<u>2,400</u> 500
44	Dressing Frames	10	500	8.000	10	500	8.000	10	500	8.000	10	500	8.000
45	Monkey Stuffed	2	800	2.400	2	800	2.400	2	800	2.400	2	800	2.400
46	Lion Stuffed	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400
47	Cater Pillar Stuffed	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000

			Original		1st	Revised		2nc	I Revise	d	3rd	Revised	
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

		(Original		1st	Revised	l	2nd	Revise	ł	3rd	Revised	1
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
52	Soft toys	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
53	Infants Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
54	Toddlers Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
55	Tri Cycles	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000
56	Wooden Cots	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000
57	Mattresses for Cots	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000
58	Pillows	10	300	3,000	10	300	3,000	10	300	3,000	10	300	3,000
59	Bed Sheets and pillow covers	20	400	8,000	20	400	8,000	20	400	8,000	20	400	8,000
60	Nets	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
61	High Chairs for feeding	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000
62	Rockers Cum Bouncer	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000
63	Cot Mobile	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000
64	Plastic Chairs (Round edges Animal Shapes)	7	600	4,200	7	600	4,200	7	600	4,200	7	600	4,200
65	Multi-Purpose Table	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000
66	Writing Board	1	500	500	1	500	500	1	500	500	1	500	500
67	Electric Sterilizer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
68	Electric Warmer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
69	Table sets	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000
70	Rocker	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200
71	Activity Gym (Infants)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
72	Play Gym	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500
73	Activity Gym (Toddlers)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
74	Toiler Training Seat	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000
75	Infant Toys	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000
76	Bath Toys	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000
70	Fun Links Teether	15	300	4,500	15	300	4,500	15	300	4,500	15	300	4,500
78	Fun Pai Teetner	15	500	7,500	15	500	7,500	15	500	7,500	15	500	7,500
79	Full Ralle Mother feeding Cheir	15	2 000	8,000	10	2 000	0,000	15	400	8,000	15	2 000	8,000
81	Soft Books (duplication)	20	5,000	10,000	20	5,000	10,000	20	5,000	10,000	20	5,000	10,000
82	Bottle Brushes	20	300	10,000	20	300	10,000	20	300	900	20	300	900
List	of others Items i.e. Kitchen, Office.	Electric	500	- 300	5	500	- 300	5	300		5	300	
1	Water Dispenser	1	14 000	14 000	1	14 000	14 000	1	14 000	14 000	1	14 000	14 000
2	Microwaye Oven	1	12 400	12 400	1	12 400	12 400	1	12 400	12 400	1	12 400	12 400
3	Fridge	1	34,000	34,000	1	34,000	34,000	1	34.000	34.000	1	34,000	34.000
4	Kitchen Accessories / Cutleries etc.	24	200	4,800	24	200	4,800	24	200	4,800	24	200	4,800
5	Sofa Set	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000
6	Office Table	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
7	Office Chairs	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000
8	Air Conditioner	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000
9	LCD	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000
10	DVD player	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000

		(Original		1st	Revised	ł	2nc	l Revise	ł	3rd	Revised	ł
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			1,600,000			1,600,000			1,600,000			1,600,000
				1.600			1.600			1.600			1.600

			Orig	jinal			1st Re	evised			2nd R	evised				3rd Re	vised	
Sr. No	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Emplyees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	7	25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	7	20,000	20,000	240,000
	Sub Total of HF	R Model		4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000		7		5,273,000	40,473,000
					17.220				17.220				28.140		1			40.473
	Utilization of HR C	Component							10.680				15.984					
_	Total of HR Con	nponent											38.82		•			56.457

Model of THO H aital

Ja	nitor	ial Se	ervices	5
		Origir	nal	1st Revised to onward
Assumptions Covered area excluding residential area Covered area assigned to one sweeper Number of sweepers required for covered area Road and ROW area Road and ROW assigned to one sweeper Number of sweepers required for road and ROW area	49,225 7,500 7 52,868 15,000 4	sft sft Persons sft Sft Persons		In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01- 2018 under the Chairmanhip of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".
Number of washroom blocks Number of washroom blocks Number of washroom block Number of sweepers required for total washroom blocks Total sweeper in morning shift Total number of sweepers in evening shift Total number of sweepers in night shift Total number of sweepers in all shifts Number of sever men required	4 5 3 2 12 6 6 6 6 24 3 3	Persons Persons Persons Persons Persons Persons Persons Persons		In view of above, Outsourcing cost has been excluded from this PC-I.
Salary component Type of worker	No of workers	Salary per month	Salary for One Year	
Sweepers / Janitors Sewer men Supervisors	24 3 3	22,000 22,000 26,000	6,457,440 792,000 936,000	
Cost of Supply per Month Sub Total (Salary component)		400,000	4,800,000 12,985,440 12.985	

Security and Parking					
	Original				1st Revised to onward
Assumptions			•		In the light of decision made during the Progress Review
Covered area excluding residences	49,225				Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-
Covered Area per guard	15,000				2018 under the Chairmanship of Chairman, P&D Board; it
Number of guards	3				was inter alia decided as under:
Open area excluding parking area	52,868				"It would be made sure by the P&SH Department that the
Area covered per guard per shift for	15 000				outsourcing would be shifted to the non-development side from 1st July 2018 next EV"
open area excluding parking	13,000				In view of above. Outsourcing cost has been excluded from
Number of guards for total area	4				this PC-I.
Number of gates	3				
Number of guards at gates	6				
Total No of Guard	13				
Total number of all guards for second	_				
shift	6				
Lady Searcher	4				
Number of parking areas	1				
Number of guards for parking lot per					
shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
Type of worker	No of workers	Salary per month	Salary per Month for all Person	Salary for One year	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	7	21,525	150,675	1,808,100	
Civilian	10	21,000	210,000	2,520,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				6,470,100	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies				400,000	
Sub total				400,000	1
Subtracting Parking Fees	1		1	500,000	1
Total Security and Parking Services				6.370.100	1
				6.370	1
Laur	ndry	Service	S		
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		Origin	al	From 1st Revised to onwards	
Type of Item	Qunatity	Unit cost	Total cost	In the light of decision made during the Progress Review Meeting of Revamping of	
Hygwine Barrier Washer 50 KG	4	4,481,490	17,925,960	DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D	
kg/Each Machine	2	1,252,519	2,505,038	Board; it was inter alia decided as under:	
kg/Each Machine	1	942,262	942,262	"It would be made sure by the P&SH Department that the outsourcing would be	
Flat Work Ironer	1	2,591,910	2,591,910	shifted to the non-development side from 1st July 2018 next FY".	
Utility Press	1	1,264,010	1,264,010	in view of above, Outsourcing cost has been excluded from this PC-1.	
Hand Ironer with Table	1	551,568	551,568		
Spotting Machnie / Stain Removal	1	367,712	367,712		
Sewing Machine	1	115,000	115,000		
Packing / Sorting Table (Local /					
Imported)	1	85,000	85,000		
Dirty Linen Collection Trolley					
(Local / Imported)	2	65,000	130,000		
Clean Linen Distribution Trolley					
(Local / Imported)	2	105,000	210,000		
Storage Racks (Local/Imported)	2	112,000	224,000		
Dirty Linen Storage Bin (Local /					
Imported)	30	55,000	1,650,000		
Clean Linen Storage					
Cupboard(Local / Imported)	30	115,000	3,450,000		
Weighing Scale	1	115,000	115,000		
Electric Power Generator (200					
KVA)	1	4,900,000	4,900,000		
Sub total of laundry items			37,027,460		
Type of Item	No of	Per bed cost	Cost of One		
Type of item	Beds	per year	year		
No of Bed	90	30,000	2,700,000		
Transport Charges			1,200,000		
Sub total of laundry items	90	30,000	3,900,000		
Total for laundry items			40,927,460		
Total			40.927		

Maintenance of Generator

	(Drigin	al	From 1st Revised to onwards
Item Name	Quantity	Cost per year	Total Cost	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D
Periodical Maintenance Cost				Board; it was inter alia decided as under:
Number of Generators (200 KVA)	-	500,000	-	"It would be made sure by the P&SH Department that the outsourcing would be
Number of Generators (100 KVA)	1	300,000	300,000	shifted to the non-development side from 1st July 2018 next FY".
Number of Generators (50 KVA)	A) -		-	In view of above, Outsourcing cost has been excluded from this PC-I.
Repairs Cost	1	300,000	300,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			1,920,000	
			1.920	

		MEP)		
		Ori	ginal		From 1st Revised to onwards
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would
Supervisors	1	56,420	56,420	677,040	be shifted to the non-development side from 1st July 2018 next FY".
Plumber	1	32,550	32,550	390,600	In view of above, Outsourcing cost has been excluded from this PC-I.
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Fotal (Salary component	t)		217,000	2,604,000	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	170	6,665	1,133,050	1,133,050	
Fridge	10	4,000	40,000	40,000	
UPS	15	8,000	120,000	120,000	
Water Cooler	20	4,000	80,000	80,000	
Exhaust	10	3,000	30,000	30,000	
Geyser	20	4,000	80,000	80,000	
Water Pump	8	3,000	24,000	24,000]
Carpentry Work		-	180,000	180,000]
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				1,882,050	
General Total				4,486,050	
1				4.486	

	Medical Gases													
			Origir	nal		From 1st Revised to onwards								
	Scope of Work	Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be the function of the P&SH Department that the outsourcing would be and the performance of the P&SH Department that the outsourcing would be the function of the P&SH Department that the outsourcing would be the function of the P&SH Department that the outsourcing would be the function of the performance of the perform								
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	In view of above, Outsourcing cost has been excluded from this PC-I.								
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000									
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000									
Nitrous	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000									
Oxide	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000									
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000									
		Total	•		1,304,400]								
					1.304]								

Cafeteria Pre-Fabrication Cateen (Procurement)

			C	Drigina	al	From 1st Revised to onwards
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:
1	structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft.	Cft	2545	6.13	15,602	"It would be made sure by the PASH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY". In view of above, Outsourcing cost has been excluded from this PC-I.
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of 3/4" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require sloce . complete in all respect.	Sft	720	118.00	84,960	
	Total Amount of Platform Construction				1,225,070	
Pre-	Fabrication of Canteen Structure					
11	Providing and fixing aluminium frame window with double glazzed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	providing and fixing aluminium frame door with single glazzed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	esign as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Sandwitched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	record a fixing Gypsum raise Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
	Total Cost of Pre-Fabrication of Canteen Structure				3,307,052	
	Total Amount (Rs)		i	•	4,532,121	
22	Electrification				998,735	
23	Plumbing and Sanitory	ļ			410,000	
24	Crand Total Amount (Pa)	L		L	802,000	
	Grand Total Amount (RS)				6.743	

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

			0	iginal		From 1 of Dovisod to onwards
C -				Iyinai	A	In the light of decision made during the Progress Review Meeting of Revamping of
No.	Description	Unit	Quantity	Rs.	Rs.	DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:
1	SOFT LANDSCAPE TOP SOIL					"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	5,607	20	112,134	In view of above, Outsourcing cost has been excluded from this PC-1 whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-1.
1.2	STONE / PEBBLES Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	31,375	31,375	
1.3 a	GRASSING GRASSING (EXISTING NON MAINTANE LAWNS)					
	Providing and dibbing of Fine Dacca grass where required, including mud filing/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	7,689	7	53,824	
b	CRASSIG (INEW LAWNS) Providing and Obbing of Fine Occas grass, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	9,612	10.00	96,115	
	Providing and planning tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm x 0 Dug in improved soil 610mm. deep filed by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
а	Trees 18" pot 6'-7' - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	39	1,400	54,600	
b	Trees 12° pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Piken, Palms etc.	No's	9	260	2,340	
с	Plantation of Fruit Plants in the vacant area 12" pot 3'- 4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	-	600	-	
1.5	Shrubs and Ornamental Plants 10° pot Pittosporum Variegated, Murray Small, kora Coccinea, Juniper Varigated, Hibscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Fruteseners(Shurey), Rose, Nerrum, Lantana, Canna, Asparagrass, Conocarpus, Acabyha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	3,495	65	227,175	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai atc	No's	549	185	101,565	
1.6	GROUND COVERS					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung marure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
1.7	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc PALMS	No's	3,733	11	41,063	
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer . Palm 18* pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm,	No's	4	3 575	14 300	
b	Biskarkia etc. Palm 18* pot - Phoenix Palm, Cyrus Palm	No's	6	1,700	10,200	
1.8	CREEPERS Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm, deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	19	185	3,515	
2 2.1	HARD LANDSCAPE WALK WAYS					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	769	150	115,350	
2.2	BENCHES Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	4	14,698	58,792	
2.3	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	27,700	55,400	
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939	
2.5	PLANTERS Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	3	3,700	11,100	
2.6	WATER POINTS (Injector Pump 1HP)	No's	1	45,000	45,000	
3	(Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	19,223	7.50	144,173	
4.1	Large Size with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	75	550	41,250	
4.2	Medium Size with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	10	550	5,500	
4.3	Small Size with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	18	550	9,900	
5	GAZEEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer. Total Amount of - Landscaping	No's	1	200,000	200,000	
	PRA(16%)				316,738	

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE											
	Or	iginal		From 1st Revised to onwards							
Grand Total			2,396,348								
			2.396								

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INAME OF WORK

MAJOR HEAD

MINDE HEAD

ESTIMATED COST

PUNJAB

JHANG

BUILDINGS DIVISION JHANG.

BUILDINGS SUB DIVISION SHORKOT.

ROUGH COST ESTIMATE FOR THE WORK" RE-VAMPING OF ALL D.H.Q / 15 T.H.Q HOSPITALS IN PUNJAB ONE AT THQ SHORKOT DISTRICT JHANG.ADP # 660 FOR THE YEAR 2021-2122.

47.106-49.060 Rs. 47.842 Million.

Page 79

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ROUGH COST ESTIMATE FOR THE WORK" RE-VAMPING OF ALL D.H.O / 15 T.H.O HOSPITALS IN PUNJAB ONE AT THO SHORKOT DISTRICT JHANG.ADP # 660 FOR THE YEAR 2021-2122. """ HISTORY:

The Government of Punjab is very keen interested to provide the better health facilities for the citizen of the area. The district jhang is backward district of central Punjab and needs many improvements in Health sector.

The T.H.Q Hospital building was constructed in 1980s, the condition of building is not matching the latest standards of construction now, The P.M.U team along with their Expert engineers and Architect visited the site on 4-08-2022 and given the directions to Buildings Department jhang for preparation of rough cost estimate according to latest specifications recently circulated by the Honorable Secretary to Govt of the Punjab communication and Works Department Lahore.

47.106 Therefore, the rough cost estimate has been framed amounting **Rs.** 47.842 (Million) For arrangement administrative approval / funds from the competent authority.

DESIGN / SCOPE:

Ι.	Repair and Replacement of Floors	I-Job
2.	Replacement of Doors and Windows	1-Job
3.	Distempering Painting of All Existing Building.	I-Job
4.	Provision of Street Lights	5-Job
5.	Internal Sanitary work.	I-Job
6.	Provision of Power wiring.	1-Job
7.	Construction of Gate & Gate Pillar	2-Nos
8.	Link Corridor to Emergency Block & QMS	1487 SFT
0	Construction Of Flectric Room	160 SFT

SPECIFICATION.

The work will be carried out according to the latest specification of C&W Department.

<u>RATES:</u>

Rates provided are based on M.R.S. 2nd Bi-Annual from 1st July 2022 to 31 Dec 2022,

District Jhang. Market rates will be provided wherever applicable.

COST: The cost of estimate works out to be **Rs. 487.842 million**.

TIME: It will take about 24-months to complete the work subject to availability of full funds.

CARRYING OUT OF WORK:

The work will be carried out through approved Government contractor of Buildings Department after complitive lendering process.

Sub Divisional-Officer Buildings Subdivision, Shorkot.

Ingineer vision, Jhang.

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						·	Visit Date:
		IDENTIFICATION C	DF SCOPE FOR RE	VAMPING OF HEALTH			04/08/2022
THQ	Hospital Shorkot						
Sr No	Item	OPD	Diagonostic / OT Block	Wards	Emergency	Children Block	Remarks
1	Porcelain Floor Tile replacement		Damaged full Body Porcelain tiles/ Mosaic Floor needs to be replaced with new Porcelain tiles on floors by providing new PCC layer of specified thickness.		Damaged full Body Porcelain tiles/ Mosaic Floor needs to be replaced with new Porcelain tiles on floors by providing new PCC layer of specified thickness	Damaged full Body Porcelain tiles Floor needs to be replaced with new Porcelain tiles on floors by 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	Old Skirting/Damaged Dado in rooms is to be replaced with Full Body Porcelain tiles dado on fresh plaster.	Old Skirting/ Damaged Dado is to be replaced with Full Body Porcelain tiles dado on fresh plaster.	Old Skirting in rooms is to be replaced with Full Boay Porcelain tiles dado on fresh plaster.			Tiles specifications, brand, size and Installation will be as per specified C&W standards,
3	Wooden Doors flusn or Solid/ Main Doors	Damaged doors need to be replaced with flush doors by matching with the exisiting doors.	Damaged doors need to he replaced with flush doors by matching with the exisiting doors.	Damaged doors need to be replaced with flush doors by matching with the exisiting doors.	Damaged doors need to be replaced by matching with existing doors.	Damaged doors need to be replaced by matching with existing doors.	Specifications, wood/type of dcor, polish, door locks and handles will be as per specified C&W standards.
4	Verandah opening (opening to open area)/ MS Windows on Façade		· · · · · · · · · · · · · · · · · · ·				Specifications will be as per C&W standards.
5	Existing Internal Windows	All old MS internat windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace exisiting Aluminum windows.)	All old MS internal windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace exisiting Aluminum windows.) close windows in OT room.				Specifications, Aluminum and glass color will be as per specified C&W Standards
6	Internal Corridors						
7	Internal Electric fiitings	Make all Electric/ CCTV/ networking wiring concealed. All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical.	Make all Electric/ CCTV/ networking wining concealed. All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical.	Make all Electric/ CCTV/ networking wiring concealed. All Electric fittings including switch boards, plates, sockets, 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, 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, should be replaced and installed at standard height from Finish Floor ievel and all must be identical.	Model Specifications/ Brands, should be as per specified C&W Standards.
8	Internal Lighting Fixtures	All corridors and rooms should lit with SMD's with conceated wiring.	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring.	Model Specifications/ Brands and distance shoul be as per specified C&W Standards.

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ROUGH COST ESTIMATE FOR THE WORK" RE-VAMPING OF ALL D.H.Q / 15 T.H.Q HOSPITALS IN PUNJAB ONE AT THQ SHORKOT DURING THANG.ADP # 660 FOR THE YEAR 2021-2122.

(BASED ON MRS. BLANGCAL PLRIOD (2nd Br-Annu 4 2022)

Sr.	Description		rea		Rate (P-SFT)		Total	Amount	Remarks
No.	Description	(SFT)	B.P	P.H	Sui Gas	E.1		14351000	
1-	Repair and Replacement of Floors							1/841212	11841212	
2-	Replacement of Doors and Windows				±	-	-	2975604	2975864	
3-	Distempring. Painting all Existing Building.			-	-	-	-	F#99000'	1999000 ²⁻	
4-	Construction of Electric-Room.16'x10'	160	Sft	3674	-	-	228	3902	624320	
5	Treatment of Roofs / replacement of roof tile etc			-		-	-	1317303-	1317303	
Ģ	Link Contridor Between Emerancy And QMS Hall(29x12)+(85x8)+(53x8)	487	Sû	3674	-	-	228	3902 15 52288	5802274 1542288 1642000	
7	Internal senitary work	· 1	lop	-			-	======0000 13228980	132228990	La
Ŗ	Cost of Power wining and internal electric instalations/Low Voltage system	· I	Job	-		_		550040	1 2835765 550 <i>0</i> 00	<u></u>
9	Construction of gate & gate piller	2	dol	-	-	-	-	596200	1192400 48616599	- 41073006-
								Total:	11094294- 1308697	1232190 -
<u> </u>	Add for 3% Contingency Charges.		1-			1		Rs.	1 322829	2259015-
	Add for 5% PST+ .5% Horticulture		<u>+. · ·</u>				†	Rs.	2425186	4500000-
	Add Wapda Charges for Shifting & new T.F.				+			Total:	47942309	49069212
						47/0	6	9.40		<u> </u>

Say Rs. 47.842 Million 47

<u>NOTE:</u> The actual cost will be as certained upon the notification of plinth area rates / schedule of rates applicable at the time of release of funds and also the scope of work-/

requirement of the client department at that time.

SUB DIVISIONAL OFFICER BUILDINGS SUB DIVISION, SHORKOT

TECHNICALLY VETTED Million For Rs. EXECUTIVE ANGINEER VISION, JHANG CINE FATALABAD

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Amended Rough cost Estimate For Revamping of All THQ Hospitals in Punjab (Phase-2) in THQ Shorkot District Jhang (ADP-658) COMPARATIVE STATEMENT

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Sr. No,	Description	A te	ls per / o 31st l	Approved Decembe	Rough cos r 2021)	st Estimate (1st July		As pei (1st ju	r Amen ily to 3	ded Roug I Decemi	gh cost Estimate ber 2022)	(+)Excess (-) Saving (10-6)	Remarks
		Qty		Unit	Rate	Amount	Qty	U	nit	Rate	Amount		
1	2	3	1	4	5	6	7		8	9	10	11.00	12
A	Main Building								ļ				
1	Construction of entrance and improvement					3957300			1			- 3.957.300.00	
2	Improvement of road			•		1459080			1	···		- 1,459,080,00	-
3	Providng and laying tuff paver					2749400						- 2,749,400.00	····
4	Construction of boundary wall above plinth level	990	1	Rft	2724	2696760				[· · · ·	- 2,696,760,00	·
5	Providing and fixing barbed wire fencig 1-1/2'X1-1/2"x3/16" on compound wall	2454	100	Rít	15715	385646.1						- 385,646.10	
6	Repair Boundary wall					787700		1			······································	- 787,700.00	
7	Sewerage System	1	1	job	3662000	3662000				· · · ·	· · · · · · · · · · · · · · · · · · ·	- 3.662.000.00	
8	Generator area covered with wire gauge		1			712000					· · · · · · · · · · · · · · · · · · ·	- 712.000.00	
9	Street Light poles	6	1	Each	66000	396000	5	l	Each	110000	550000	154.000.00	
10	Provision of Parking Shed	1	1	Job	500630	500630						- 500,630,00	
1	Fire Fighting and Smoke detector	1	1	Job	852900	852900						- 852 900 00	· · · · ·
12	Repair of main building	1	1	Job	19437000	19437000						- 19.437.000.00	·
13	Dismantling	1	l	Job	232600	232600		1				- 232,600,00	•
14	Repair and Replacement of Floors			Sft					Each	·	11841212	11,841,211.72	
15	Replacement of Doors and windows			Sft					Each		2975664	2,975,664.40	
16	Distemring Painting all Existing Building			job					Each		1998594	1,998,594.37	
17	Construction of Electric Room 10'x6'	1		Rft			160	1	Sft	3,902.00	624320	624,320.00	· _ · · -
18	Treament of roofs/replacemnent of roof tile etc.			Job					Cft		1317303	1,317,303.32	
19	Link corridor Between entrance and QMS Hall (29x12)+(85x8)+(53x8)			Each			1487	1	Sft	3902.00	5802274	5,802,274.00	·
20	Internal sanitary work		<u> </u>	Job					Sft		1542288	1,542,288.35	
21	Cost of the power wiring and internal installation/low volatge system			Job					Sft		13228950	13,228,950.15	
	Construction of gate and gate piller	2	1	Job	397200.0	794400	2	1	Each	596200.00	1192400	398,000.00	
	Total		<u> </u>	-		38,623,416.10			[41,073,006.31	2,449,590.21	
	Deduct Cost of old Material					- 272,900.00							
	Add 3% Contingency					38,350,516.10		-			41,073,006.31	2,722,490.21	· · · · · · · · · · · · · · · · · · ·
	Add 5% PST					1 917 525 91		+	<u> </u>	<u> </u>	1,232,190.19		
· · · · · · · · · · · · · · · · · · ·	Add 1% for Harticulture		1	+		383 505 16	· · · ·	· [·				·	
	Add 5% PST + 0.5% Harticulture	1						1	+		2 259 015 25		
	Add WAPDA Charges for Shifting of Transformers on front and							<u> </u>		•	4,500,000,00		
	insttallation of New Transformer for Dual supply										.,		
	Grand Total					40,306,392.00					49,064,211.84		
L	Say					40.307					49.064	······	

Amended Rough cost Estimate For Revamping of All THQ Hospitals in Punjab (Phase-2) in THQ Shorkot District Jhang (ADP-658) COMPARATIVE STATEMENT

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Sr. No.	Description		As per 31st D	Approve	d Rough cost 2021) <u>–</u>	Estimate (1st July to		As pe Decei	er Amende mber 202	d Rough cost Est 2)	(+)Excess (-) Saving . (10-6)	Remarks	
		Qty		Init	Rate	Amount	Qty	Qty Unit		Rate	Amount		
1	2	3		4	5	6	7		8	9	10	11	12
A	Main Building												······································
1	Renovation Repair of Main Building (GF+FF+2nd F = 11760X3= 35280-Sft)	35280				5611285	0	.1	Job	438		-5611285	,
2	Provision of Electricity	35280	1	Sft	92 1	3247800	0	1	Job	341,5	15,152,000.00	11904200	
3	Electric Room 10'x6'	0	1	Sft	0.0	0	160	1	Sft	228.0	624,320.00	624320	
4	Provision of Sanitory Installation	35280	1	Sft	34.1	1204106	0	1	Job	341,5	1,608,900.00	404794	
Š	Sewerage work with mainhole	0	1	Job	0.0	0	1	1	Job	1.0	426,000.00	426000	
6	Tuff Paver	0	1	Job	1.0	0	1	1	Job	1,0	558,026.09	558026	
7	Dismantling of Boundary wall	0	1	Job	1.0	0	1	1	Job	1.0	30,000.00	30000	
8	Construction of Boundary wall/Inculding barbed wire	0	1	Job	1.0	0	1	1	Job	1.0	1,432,000.00	1432000	
9	Treatment of Road	0	1	Job	1,0	0	1	1	Job	1.0	167,400.00	167400	-
	Total					10,063,191.00					19,998,646.09	9,935,455.09	
	D/d old material										- 44,700.00		
	Total										19,953,946.09		

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021) 31 December 2022)									te (1st july to	(+)Excess (-) Saving (10-6)	Remarks
		Qty		Unit	Rate	Amount	Qty	ι	Jnit	Rate	Amount		
1	2	3		4	5	6	7		8	9	10	11	12
1	Repair and Replacement Floors											· · · ·	
2	Dismentling P.C.C. 1.2:4 (1.5" thick).	0	1	Cft	0.0	0	1067	100	Cft	10666.65	113813	113813	
3	Cement concrete plain i/c placing, compacting, finishing and curing complete (i/c screening and washing of stone aggregate) ratio 1:2:4	0	100	Sft	319.0	0	1067	100	Sît	38178 90	407369	407369	···
4	Dismantling glazed or encaustic tiles, etc	0	1	Sft	0.00	0	6053	100	Sft	2335.85	141389	141389	
5	Providing and laying super b quality Ceramic tile floors of Master brand of specified size, Glossy/ Matt/ Texture of approved Color and Shade as perapproved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster <i>lic</i> the cost of sealer for finishing the joints <i>i/c</i> cutting grinding complete in all respects and asapproved and directed by the Engineer Incharge.12"x36"	0	I	Sft	0.00	0	2286	1	_ Sft	240.00	548640	548640	
6	Providing and laying super b quality Ceramic tiles dado of Master brand of specified size, Glossy/ Matt/ Textures kirting /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"x36"	0	100	Sft	1768.80	0	7634	t	Sft	292.75	2234854	2234854	
7	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 tile 600mm x 600 mm / 24" x 24"	0	100	Sft	8421 60	0	4497	۔ ۱	Sft	340.55	1531453	1531453	k ⁶ .
8	Providing and laying superb quality Porcelain glazed tiles skirting /dado_of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 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 tile 600mm x 600 mm / 24" x 24"	0	100	Sft	2296.80	0	1501	l	Sft	340.55	511166	511166	
9	Providing and laying super b quality Porcelain glazed tiles of Master brand, skirting/dado of specified size. Colorand Shade with adhesive /bondover 1/2" thick (1:2) cement plasteri/cthe cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.400 mmX400 mm	O	1	Sñ	0.00	0	74 1	1	. Sft	278.25	206183	206183	
10	Providing and laying super b 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 400 mmX400 mm	0	1	Sft	0.00	0	938	l	Sft	292 75	274600	274600	

Amended Rough cost Estimate For Revamping of All THQ Hospitals in Punjab (Phase-2) in THQ Shorkot District Jhang

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	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>i/c</i> the cost of sealer for finishing the joints <i>i/c</i> cutting grinding complete in all respect as approved and directed by the Engineer Incharge.Non-Skid Chequred Tiles 300mmx300mm / 12" x 12".	0		- Sfi	•• 0,00	0	624	I	Sft	211,60	132038	132038	
12	2mm Thick lead Lining	0	1	Sft	0.00	0	1312	1	Sft	1000.00	1312000	1312000	
13	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.Epoxy	0	1	Sft	0.00	0	1012	ł	Sfi	850 00	860200	860200	
14	Supply and installation premimum graded/scratch-resistant Hygienic anti- microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by The Engineer th-charge 2 mm	o	ì	Sft	0.00	0	2614	1	Sft	750.00	1960500	1960500	
15	Supply and installation of Clip-in tile (0.6 mm -0.7 mm thick)non-porous alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners $\textcircled{0}$ 600 mmX600 mm grd,Edge Trims fasten on wall with plug and screw $\textcircled{0}$ 500 mm //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. Sharp edges & flange19 5 mm 300 mmX 300 mm	0	1	Sft	0.00	0	1012	I	Sft	516.00	522192	522192	
16	Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/ Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4" thick(1:2)cementsandmontori/cthecostofmatchingsealercompleteinallrespectsas approved and directed by the Engineer Incharge.China Verona	0	1	Sft	0.00	0	734	I	Şît	412,35	302665	302665	
17	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 dc 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>i/c</i> stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	0	1	Sft	0.00	O	48	1	Rî	2361,45	113350	113350	
18	Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.	0	1	Rft	0.00	0	54	1	Rî	505.40	27292	27292	
19	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	0	1	Rft	0.00	0	240	I	Rfi	150.00	36000	36000	
20	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge China Verona.	o	1	Sft	0.00	0	1395	I	Sñ	412.35	\$75228	575228	

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21 	Providing and laying 3/8" thick Prepolished Marble skirting/risers having uniform texture (spot less) of size 24"x6" of approved quality and shade with adhesive bond over 3/4" thick (1:2) cement sand mortor complete _ in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge. China Verona	— 0	- - , -		- 0 00	0	148	. .	Sfi	204.60	30281	30281	
22	Sub Total							· · · · · ·			118/1111		
23	REPLACEMENT OF DOORS AND WINDOWS							<u> </u>		<u> </u>	11041212	<u> </u>	<u>+</u>
24	Removing Door and inculding chowkats	0	1	Each	0.00	0	60	1	Each	331.65	19899	19899	<u> </u>
25	Removing Windows	. 0	1	Each	0.00	0	81	1	Each	258.70	20955	20955	<u> </u>
26	P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/S AI-cop or Pakistan Cables, having chowkat frame of size 2"x6" i/c the cost pavits heavy quality imported and 12 mm thick imported tampered glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging using approved standard fittings, lock, 3" wide 6" to 9" long handles etc and hardware any required as approved by the Engineer Incharge.	0	1	Sfi	0 00	0	176	1	Sft	1600 00	281600	281600	
27	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x4"), 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.	0	1	Sfi	0 00	0	660	1	ŞĤ	1348.40	889944	889944	
28	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.	0	1	Sft	0,00	0	6 <u>6</u> 0	I	Sfi	987.75	651915	651915	
29	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"x112" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	0	1	Sft	. 0 00	0	330	ĩ	Sft	493.05	162707	162707	
30	Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.	0	ı	Sñ	0 00	0	250	1	Sft	70.00	17500	17500	
31	P/F11/2"thicksolidflushdoorcomprisingof2.5mmthickCommercialplycompressed over2.5mmthickcommercialplyover1"thickpackingwoodinstyleandrailsunderpro perpressurei/cthecostofnails, towerbolt, handles, glue, sawingcharges, Paintingch arges, sandpaperingand3/8"thickmatchingwoodenlippingasapprovedanddirecte dbytheEngineer Incharge.	0	I	Sît	0.00	0	808	1	Sft	502.20	405778	405778	
32	Giazing with panes (16oz to 18oz) using deodar wooden fillets and putty.	0	1	Sft	0.00	0	488	1	Sft	188.95	92208	92208	
33	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respect. Deodar wood architrave.	0	1	Sft	0.00	0	3600	3	Sft	97.80	352080	352080	

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	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkai 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>i/c</i> the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	-·o ·	- 1	Sft	0.00	0	700	1	Sft	850.00	595000	595000		
35	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	0		Sft	0.00	0	10	1	Sft	2932,00	29320	29320		
36	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embedded 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 Incharg	o		Sft	0.00 .	0	10	1	Sft	5572 00	55720	55720		
37	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineer Incharge.12" (300 mm) long	0	ı	Sft	0 00	0	40	1	SĤ	926.00	37040	37040		
- 38	Sub Total										3611664			ĺ
39	CREDIT OF OLD MATERIAL							T				"`````		
40	Doors broken un-servicebale (2-1/2'x7')	0	1	Each	0 00	0	26	1	Each	3000.00	78000	78000		
41	Doors broken un-servicebale (3-1/2'x7')	0	1	Each	0.00	0	34	I	Each	4500.00	153000	153000		
42	windows broken un-servicebale	0	1	Each	0 00	0	81	1	Each	5000,00	405000	405000		
43	Credit of Old material Sub Total										636000	·		
44	Net Total	0									2975664	<u> </u>		
45	DISTEMPERING AND PAINTING													
46	Distempering one coat old surface.	0	1	Sft	0 00	0	42952	100	Sft	561.30	241090	241090	·	
47	Scraping of old distempering. Take 40% scraping.	0	1	Sß	1 00	0	46555	100	Sft	761.90	354703	354703	· · ·	
48	D/d Take 5% opening Preparing surface and painting with emulsion paint 2- coats	0	1	Sft	4.00	0	42227	100	Sft	2034.65	899865	899865		
49	Preparing surface and painting to door and windows any type on old surface 2- coats.	0	1	Sft	5.00	0	336	100	Sfi	1667,45	5603	5603		
50	Painting sashes fan light 2 coats old surface	0	1	Sft	6.00	0	14064	100	Sft	1014 00	142609	142609		
51	P/Applying weather shield paint of approved quality on external surface of building old surface	0	1	Sft	6.00	0	18423	100	Sfi	1925,45	354726	354726		
52	Sub lotal										1998594			
53	Roof Treatment													
54	Providing, txing, testing and commissioning of µ-PVC (Unplasificized 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. (v)4"(110 mm)	0	1	Rfi	6.00	0	280	1	Rft	217.25	60830	60830		
55	Removing old plaster.	0	100	Sft	6,00	0	2735	100	Sft	423.30	11577	11577		
56	3/4" thick cement sand plaster ratio 1:4	0	100	Sft	6.00	0	3185	100	Sft	4379.80	139497	139497		

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57	Preparing surface and painting with Matt/Glossy high chemical resistant/hard wearing Polyurethane paint (Epoxy Paint) by sprayer/Brush i/c the cost of Primer coat, all material and labour complete in all respects as approved and directed by the Engineer Incharge. two coats.	-0 -	-1.	⁺ Sft	6.00	o	2735	- 	Sfi	44.45	121571	121571	
58	Cast iron rain water downpipe fixed in position, excluding Add extra 13%, 32% & 51% on heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.	0	t	Rfi	6 00	o	192	I	Rfi	326.05	62602	62602	
59	Cement pointing flush upto 20' (6.00 m) heihgt1:2	0	100	Sft	6,00	0	10252	100	Sft	3188,35	326870	326870	
60	Reinforced cement concrete in roof slab, beams, columns, lintels,girder and other structural members laid in situ or precast laid in position or prestressed members cst in situ complete in all respect. Type 'C' nominal mix (1:2:4).	0	1	Cft	6.00	0	279	1	Cft	556,50	155264	155264	
61	Fabrication of steel reinforcement	0	100	Kg	6.00	0	855	100	Kg	31396.55	268441	268441	
62	Drilling holes in stone or brick masonry upto 2" (50 mm)dia, per inch (25 mm) depth.	0	1	Each	6.00	0	150	1	Each	127 00	19050	19050	,
63	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:-	0	: 1	Rft	6.00	0	120	1	Rft	147.30	17676	17676	
64	Dismantling brick work in lime or cement mortar.	0	100	cfl	6 00	0	1568	100	cft	4317.45	67698	67698	
65	Pacca brick work in Cement, sand mortar - Ratio 1.6 in G/F	0	100	cft	6 00	0	544	100	cft	30793,35	167516	167516	
66	Total										1418589		
67	Credit of Old material Sub Total												
68	Bricks	0	1000	Each	6.00	0	12701	1000	Each	6000.00	-76206	-76206	
69	Batts	0	100	Cft	6.00	0	627	100	Cft	4000,00	-25080		
70	Net Total										1317303		
71	Internal Sanitary Work	1	1							· · · · · · · · · · · · · · · · · · ·			<u> </u>
72	Providing and fitting Europeon Coupledset of Water Closet(WC) and flushing Cisternof PORTA brand(fullsize)i/c the cost of CP/rubber connection,thimble,seatcoverandrawalboltscompleteinallrespectsasapprov ed and directed by the Engineer Incharge	0	1	Each	0.0	0	13	l	Each	19987.90	259843	259843	-
73	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), Seperate with foot rest.	0	1	Each	0.0	0	37	1	Each	4723.25	174760	174760	
.74	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal	0	1	Each	0,0	0	10	1	Each	4329.95	43300	43300	
75	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.under counter vanity basin coloured.	0	ı	Each	0.0	0	12	1	Each	7329.95	87959	87959	
76	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete(coloured)	0	1	Each	0.0	0	37	1	Each	9600.00	355200	355200	
77	Providing and fixing looking glass 55x40 cm (22"x16") size and 5 mm thick, first quality.	0	1	Each	0.0	0	20	1	Each	2600.00	52000	52000	

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78	P/F C.P Bib cock 3/4" dia.	0	1	Each	0.0	0	55	i	Each	1015.00	55825	55825	Γ
79	P/F C.P Bib Tee STop cock 1/2" dia.	0	1	Each	0.0	0	94		Each	955 00	- 89770 -	*** 89770	
80	P/F Chromium plated shower rose:" 3/4"x6"	0	1	Each	0.0	0	8	1	Each	1195.00	9560	9560	
81	Providing and fixing, chromium plated mixing valve, for washe hand basin, sink or shower.	0	1	Each	0.0	0	22	i	Each	2228.75	49033	49033	
82	P/F "P" Trap 4" Dia. Glazed	0	1	Each	0.0	0	38	I	Each	283.15	10760	10760	
83	P/L cutting, jointing, testing and disinfecting G I. pipeline in trenches with socket joints using G.L pipe of BSS 1387/1967 complete in all respect with specials and valves. (Medium Quality).	0	l	RFT	0.0	0	150	I	RFT	660.00	99000	99000	
84	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 41/SN-4)								-				
85	(v)4"(110 mm)	0	1	RFT	0.0	0	460	1	RFT	217.25	99935	99935	
86	(iii)2"(60 mm)	0	ı	RFT	0.0	0	400	1	ŘFT	88 45	35380	35380	
	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned) PN-16 pipe									-			
88	(ii)(3/4") 25 mm	0	1	RFT	0,0	0	448	1	RFT	57 95	25962	25962	
89	(iii)(1") 32 mm	0	1	RFT	0.0	0	598	ı	RFT	93 65	56003	56003	
90	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. complete i to vii items	0	l	Each	0.0	0	5	I	Each	7600,00	38000	38000	
91	Sub Total					0		Ι.			1542288	1542288	
92	Electric Installation												
93	S/E of AC electric ceilling fans 56' sweep pak/ asia/royal or any other approved by the engineer incharge.	0	1	Each	0.0	0	10	I	Each	6500.00	65000	65000	
94	Erection of ceiling fan alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work, electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary.	0	1	Each	0.0	0	10	1	Each	462.50	4625	4625	

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95	S/E of bracket fans 24 " size SK, Asia, Pak Fans or any other approved.	0	J	Each	0.0 ·	. 0	10	I	Each	9500,00	95000	95000	
, ⁹⁶	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge Steel Body 18 "	0	-	Each	0,0	0	6	, I	Each	4453 00	26718	26718	
97	Plastic Body (ii) 12 " dia	0	1	Each	0,0	0	6	I	Each .	3133.00	18798	18798	,
98	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												
99	Large												
100	(i) 04 Gange	0	1	Each	0.0	0	40	1	Each	802.50	32100	32100	
101	(ii) 05 Gange	0	1	Each	0,0	0	40	ı	Each	946 50	37860	37860	
102	(iii) 06 Gange	0	1	Each	0.0	0	40	1	Each	1162,50	46500	46500	
103	Small (viii) Three Pin Power Plug 15-32 Amp	0	1	Each	0,0	0	40	1	Each	754.50	30180	30180	
104	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge												
105	Small	0	l	Each	0.0	0	40	1	Each	134.10	5364	5364	
106	Large	0	1	Each	0.0	0	40	1	Each	158,10	6324	6324	
107	Supply and erection of PVC pipe for wiring recessed in walls, 38.3 & including inspection boxes, pull boxes, hooks, cutting jharries, 38.5and repairing surface, etc., complete with all specials.												2
108	25mm	0	1	RFT	0.0	0	1000	1.	RFT	94.60	94600	94600	
109	50mm	0	1	RFT	0.0	0	1000	1	RFT	183.45	183450	183450	
110	S/E of SMD lights 12 watts	0	1	Each	0.0	0	200	1	Each	1650.00	330000	330000	
111	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-												
112	i) 3/0.74 mm (3/0.029")	0	1	RFT	0.0	0	1500	L	RFT	25.70	38550	38550	
113	iii) 7/0.74 mm (7/0.029")	0	1	RFT	0.0	0	1500	t	RFT	40.75	61125	61125	
114	v) 7/1.12 mm (7/0.044")	0	1	RFT	0.0	0	500	1	RFT	75,10	37550	37550	
115	Low voltage switch gear complete in all aspects as approved by the engineer In-charge												

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	16 Main Panel Board-01 Set P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity ,Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).	•										· · · · · · · · · · · · · · · · · · ·		
1	17 i) LT Switchboards	0	1	Cft	0.0	0	168	<u> </u>	Cft	4377.05	735344	735344	-	-
	(II)800~1200A		-					<u> </u>	ļ	4577.05	755544	735344		-
	10 800A TP MCCB 36KA		<u> </u>				<u> </u>		<u> </u>					_
1		0		Each	1.0	0		Т <u>т</u>	Each	138634,00	138634	138634		
	20 00100100		<u> </u>	- ·				ļ						
	21 1561 TR MCCR 25KA	0	1	Each	2.0	0	1	1	Each	31654.00	31654	31654		
		0	1	Each	3.0	0	1	1	Each	31654.00	31654	31654		1
		0	1	Each	4.0	0	2	<u> '</u>	Each	62434.00	124868	124868		1
1.	24 400A LOAD BREAK SWITCH													1
12	25 400A IP LOAD BREAK SWITCH (LBS)	0	1	Each	4.0	0	1	1	Each	52000.00	52000	52000		1
12	26 Incoming From 400KVA Transformer-2													1
12	27 800A TP MCCB 36KA	0	I	Each	1.0	0	1	1	Each	138634.00	138634	138634		
12	28 Incoming From 200KVA Generator							_						
12	29 400A TP MCCB 36KA	0	1	Each	4.0	0	1	1	Each	138634.00	138634	138634	· · · · ·	
13	30 OUTGOING			<u> </u>									<u> </u>	
1.	31 250A TP MCCB 25KA	0	1	Each	3.0	0	2	1	Each	31654.00	63308	63308		
13	32 160A TP MCCB 25KA	0	1	Each	2.0	0	1	1	Each	31654.00	31654	31654		
1:	33 (Sub main Panel Board) OPD HALL - Normal -01 Set P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/e the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).													
13	34 1) LT Switchboards (ii)300~600A	0	1	Câ	0.0	0	24	1	Cft	3438.40	82522	82522		
+					-	.	L		L					
1.	36 400A TP MICCB 25KA	0	1	Each	1.0	0	1	1	Each	62434,00	62434	62434		

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	137	OUTGOING	1											
	138	100A TP MCCB 10KA	0_	. 1	Each	2.0	0	- 2 ,		Each		22868	22868	
-	139	100A TP MCCB 10KA (Spare)	0	1	Each	3.0	0	1	1	Each	11434.00	11434	11434	
	140	(Power Distribution board)- 02 Set P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers' and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6 ⁿ deep												
	141	(ii) 75~100A	0	1	Cft	0.0	0	6	1	Cfì	13809.80	82859	82859	
	142	INCOMING	L	ļ										
	143	100A TP MCCB 10KA	0	1	Each	1.0	0	2	1	Each	11434.00	22868	22868	
	144	OUTGOING												
	145	32A TP MCB 6KA	0	1	Each	3.0	0	4	1	Each	6754,30	27017	27017	
	146	10/16/20A SP MCB 6KA	0	1	Each	2.0	0	42	11	Each	1103.05	46328	46328	
		P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).												
	148	i) LT Switchboards 300-600A	0	ı	Cñ	0.0	0	16	I	Cfi	4512 80	72205	72205	
	149	incoming 250A TP (25-KA)	0	1	Each	1.0	0	1	l	Each	31654.00	31654	31654	
	150	Outcoming 60A TP (10-KA)	0	1	Each	2.0	0	3	Т	Each	11434,00	34302	34302	
	151	(Light Distribution board) - 02 Set P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, <i>i/c</i> the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Annmeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep												
	152	(ii) 75~100A	0	1	Cft	0.0	0	6	1	Cft	18691.40	112148	112148	
	153	Incoming 60A TP (10-KA)	0	1	Each	1.0	0	2	1	Each	11434.00	22868	22868	

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154	Outcoming 10-20A TP (6-KA)	0	1	Each	2.0	0	42	1	Each	1103.05	46328	46328	- ···-
155	(Sub main Panel Board) Gaynae OPD Normal - 01 Set P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).									• • •			
156	i) LT Switchboards 300~600A	0	1	Cft	0.0	0	24	1	Cît	3438.40	82522	82522	
157	incoming 400A TP (25-KA)	0	1	Each	1.0	0	I.		Fach	62434.00	62434	62434	
158	Outcoming 100A TP (10-KA)	0	1	Each	2.0	0	5	I	Each	11434,00	57170	57170	
159	 (Power Distribution board) - 04 Set P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep 			•			-						
160	(ii) 75~100A	0	ı.	Cft	0.0	0	12	1	Cfi	13765.05	165181	165181	————
161	incoming 100A TP (10-KA)	0	1	Each	1.0	0	4	<u>_</u>	Each	11434 00	45736	45736	
162	Outcoming 10-20A TP (6-KA)	0	ı	Each	2.0	0	84	1	Each	1103 05	92656	92656	· · · · -
163	Outcoming 32A TP (6-KA)	0	1	Each	3.0	0	8	1	Éach	6754,30	54034	54034	
164	(Sub main Panel Board) Gaynae OPD Emergency - 01 Set P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).										•		
165	i) LT Switchboards	0	1	Cft	0.0	0	16	1	Cft	4412 80	70605	70605	
166	incoming 250A TP (25-KA)	0		Each	1.0	0			Each	31654.00	31654	31654	
167	Outcoming 60A TP (10-KA)	0	1	Each	2.0	0	5		Each	11434.00	57170	57170	

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120	(Light Distribution board) - 04 Set			· · · ·		r	(1			·	T		ı
100	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet							·		· ····				
	(Recessibil/Surfacé mounted Type) Douid made with 105 w G Sheet													
	Lock Indication lights Thimble Conner Comb Wiring Natural & Earth													
	Par. Door Forthing, Digital Valuetor Digital Ammater Value Selector													
	Switch Ammeter selector switch Current Transformers and Controlog													
	Complete in all respect of switch, Current Transformers and Controles													
	(Deschare will be Deed Compared and directed by the Engineer Incharge													
	(Breakers will be Paid Separately).													
	(a) o deep													
169	(ii) 75~100A	0	1	Cft	0.0	0	2	1	CB	18691.40	274797	224297	<u> </u>	
170	incoming 60A TP (10-KA)	0	1	Each	1.0	0	4	1	Each	11434 00	45736	45736		
171	Outcoming 10-20A TP (6-KA)	0	1	Each	2.0	0	84	1	Each	1103.05	92656	92656		
172	P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricarted											·		
1	with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns													
1	powder coated paint in approved colour, front access													
	extendable insulation class of 600 volts IP-44, incoming & outgoing													
	connections from bottom with flexible copper cable suitable for 415 VAC													
	3-phase 4 wire, 50 HZ TPN&E system								1					
	having rated service, short circuit breaking capacity at 400VAC													
	conforming to IEC-947-2 to accomodate given no of circuit components													
	instruments & accessories assembled & wired with Electrolitic Conner													
	bus bars at 50 deg and cables duly cleaned down to bare shining metal		• ·											
	phosphate, manual change Over i/c the cost of Lock Indication								i					
	lights thimbles. Copper Comb. Wiring													
	Netural & Earth Bar CTs Contactors Relays Door Earthing Brass glands													
	complete in all respects as approved and directed by the Engineer													
	Incharge (Breakers wil be paid additionally)				1									
173	a) 1.90 Ft deep													
174	(ii) 100 KVA	0	1	Each	1.0	0	1	1	Each	801175.75	801176	801176		
175	b) 2.00 Ft deep		_											
176	(i)200 KVA	0	1	Each	1.0	0	2	. 1	Each	1833651.55	3667303	3667303		
177	i) LT Switchboards	n	1	CB	0.0	0	84	l ,	<u>c</u> e	4372.45	167286	367396		
	(ii)800~1200A	, , , , , , , , , , , , , , , , , , ,	<u> </u>		0.0	`	0~4	'	Çîî	4372,43	307280	367286		
178	incoming 800A TP (36-KA)	0	<u> </u>	Each	1.0	0	1	i	Each	138633 00	138633	138633		
179	Incoming 400A 1P (36-KA)	0	1	Each	1.0	0	L	1	Each	51033.00	51033	51033		
180	Outcoming 250A TP (25-KA)	0	1	Each	2.0	0	2	1	Each	68433.00	136866	136866		
181	Outcoming 160A TP (25-KA)	0	L L	Each	3,0	0	1 1	1	Each	48033.00	48033	48033		

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182	PVC sheathed 4 Core- Cable	1											-
	Supply and erection of copper conductor cables for service ditto connection, in prelaid pipe/G.l. wire/trenches, etc. (rate for		-		- -								
	cable only):-	1											· ·
	c) PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured	1					1						
	cable,-	1											
		1	i i				1						
183	vii) 16 mm (7/0.064")	0	1	Per Rft	2.0	0	500	1	Per Rft	642,90	321,450,00	321450	
184	viii) 25 mm (19/0.052")	0	1	Per Rft	3.0	0	400	1	Per Rft	1,204 55	481,820.00	481820	·
185	xii) 95 mm sq (37/0.072")	0	1	Per Rft	4.0	0	150	1	Per Rft	3,676 05	551,407.50	551408	<u> </u>
186	xv) 185 mm sq (37/0.103")	0	1	Per Rft	5.0	0	150	1	Per Rft	7,118.40	1,067,760,00	1067760	
187	Grounding / Earthing System Supply, Installation, Testing & Commissioning of complete grounding system:												
188	ii) 6 mm ² CU bare conductor	0	1	Per Rft	5.0	0	550	1	Per Rft	69 80	38,390.00	38390	
189	v) 25 mm ² CU bare conductor	0	1	Per Rft	5.0	0	280	1	Per Rft	251,05	70,294 00	70294	
190	Digital Display Counter	0	1	Each	2.0	0	2	1	Each	500000.00	1000000		
191	Providing and fixing cable tray with straight flange fabricated with										-		
	perforated G.I. Sheet of specified guage, size and depth duly supported on painted brockets of MS angle iron of $1.1/2^{10} \times 1.1/2^{10} \times 2.1/6^{11}$ and MS angle iron of $1.1/2^{10} \times 1.1/2^{10} \times 2.1/6^{11}$ and MS angle iron of $1.1/2^{10} \times 1.1/2^{10} \times 2.1/6^{11}$												
	1-1/2"x3/16" size @ 3 ft C/C hangers i/c the cost of hardwares as												
	approved and directed by the												
	Engineer Incharge								-				
192	(a) 14 SWG (ii) 16"x4"	0	1	Rît	2.0	0	100	1	Rft	1276.85	127685	······	
193	Sub Total										13228950		
194													
195	Street Light Poles]			-	-	
196	Supplying, installation testing and commissioning of Octagonal shape												
	electric street light pole, made of hot dipped 4.5 mm thick (7 SWG)	1]			1
	1500 mm x 60 mm x 4mm thick dia arm for luminaire installation duly	1											
	G.I.welded with 470x470x20 mm base plate with the help of 4 no	1											
	triangular stiffeners 100x350x20 mm of GI sheet, with built in junction	1											
-	box with shutter, i/c the cost of nuts& J-rag bolts, duly fixed in prelaid	1								· ·			
	concrete foundation, foundation will be paid additionally as approved and	1											
	directed by the Engineer in charge. (Light included)						1						
197	a) Single Arm	0	,	Each	20	0	<u> </u>	1,	Fach	110000.00	550000		
	(i) 10 mtr height	<u>ا</u>	<u> </u>		2.0	+	ļ		Each	110000.00	33000		
<u> </u>		┢───		 				<u> </u>	<u> </u>				
		┝──			ļ			ł	 				
1	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	1	1	F	1	L	1	1	1

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REPLACEMENT OF FLOORS OF MAIN BUILDING TORUMA CENTRE AND CHILDREN WARD

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	_													
1	Dismentling P.C.(C. 1:2	:4 ((1.5" thic	k).	0.1/0				-	_	123 Sft		
	Toi;et	2	x	5 1 E	×.	3 1/2 7 1/2					=	338 Sft		
	Levorty	ა ი	x	10	x	6					=	92 Sft		· · · ·
	Toilet	2	X	7 17	x	5.5/6					=	44 Sft		.•
	Bath	1	x	6	x	6				:	=	36 Sft		
	Bath	1	x	11 3/4	×	6 5/6				:	=	80 Sft		•
	Bath	1	x	7 4/7	Ŷ	11 1/2				:	=	87 Sft		
	Bath	1	x	7 4/7	Ŷ	11 1/2					=	87 Sft		
	Storre.	י ר	X	7 2/3	ŷ	9.2/3		: .			-	148 Sft		
	Dark Room	2	^	1 210	^	20					_	140 Off		
	X-Ray Room	1	х	18	Х	ZU				·	=	300 SIL		
	Bath	1	х	16	х	7 2/3					=	123 51		
	Labour Room	1	х	15 4/7	х	20 1/8					=	314 SIL 776 SH	•	
	Gellery	1	х	97	х	8					_	71 Sft		
	Bath	2	х	6 1/3	x	55/8			ł		_			r
	Levorty Block	2	х	20	X	15 3/0					_	102 Sft		
Ļ.	Bath	10	х	3 5/6	х	5			+		-	192 SIL		i
	Bath	4	х	5	х	7 174					-	60' Sft		
	Bath	2	х	5	х	6					_	51 Sft		
	Bath	1	х	10 1/4	X	0 4 4 /0					_	32 Sft		
	Bath 🕜	1	х	7 1/6	X	4 172					-	52 01		
	Mail Ward	1	×	62 1/6	×	40					Ξ	2486 Sft		
	Bath	1	х	4-1/2	X	4-5/8					Ξ	21 Sft		1
	Gyn	1	х	20-2/3	х	20					=	413 Stt		
	Store	1	x	16	х	7-2/3					=	123 Sft		
	Store	1	х	8	х	7-2/3					=	61 Sft		
	Store	1	х	8	Х	7-2/3					=	61 Stt		
	Childe	ern Wa	ard									480.00		
	Lobby	1	х	10	Х	12					=	120 Sft		,' .'
	Crush Hall	1	х	40-3/4	х	15-1/4					=	621 Sft	·	
	Stairs	1	х	24	х	ŝ	х	1.25			=	90 Sft	'	
	Ramp	4	x	24	Х	8					=	768 Sft	•	
										.		0520 04	(A)	
										i otal:	=	8538 51	(A) .	•
											_	1067 Cft		١
				8538	x	0.125					=	1067 Cft බ	10666 65 %	, Cft 113813/
				8538	X	0.125					=	1067 Cft @	10666.65 %	Cīt 113813/
				8538	X	0.125					=	1067 Cft @	10666.65 %	Cft 113813/
			- 11	8538	x	0.125	fini	ching a	nd	curina	=	1067 Cft @	10666.65 %	Cft 113813/
, ti	Cement concret	te plai	n i/	8538 c placing	, x 3, co	0.125	, fini	shing a	nđ	curing	=	1067 Cft @	10666.65 %	Cft 113813/
. ų	Cement concret complete (i/c sc	te plai reenir	n i/ ng a	8538 c placing and was	, x a, co	0.125 ompacting of stone a	, fini aggr	shing a egate)	nd rati	curing o	=	1067 Cft @	10666.65 %	Cft 113813/
4	Cement concret complete (i/c sc 1·2:4	te plai reenir	n i/ ng a	8538 c placing and was	x 3, co hing	0.125 ompacting of stone a	, fini aggr	shing a egate)	nd rati	curing o	=	1067 Cft @	10666.65 %	Cft 113813/
	Cement concret complete (i/c sc 1·2:4	te plai reenir	n i/ ng a	8538 c placing and wash	, x 3, cc hing	0.125 ompacting of stone a	, fini aggr =	shing a egate) 8538	ndi rati x	curing o 0.125	=	1067 Cft @ 1067 Cft	10666.65 %	Cft 113813/
4	Cement concret complete (i/c sc 1·2:4.	te plai reenir Qty: a	n i/ ng a	8538 c placing and wash	x g, co hing No.	0.125 ompacting of stone a 1(A)	, fini aggr =	shing a egate) 8538	nd rati x	curing o 0.125	=	1067 Cft @ 1067 Cft	10666.65 % 38178.90 %	Cft 113813/
4	Cement concret complete (i/c sc 1·2:4.	te plai reenir Qty: a	n i/ ng a is p	8538 c placing and wash er item t ncaustic	x g, co hing No.	0.125 ompacting of stone a 1(A)	, fini aggr =	shing a egate) 8538	nd rati x	curing o 0.125	=	1067 Cft @ 1067 Cft @	10666.65 % 38178.90 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1-2:4. Dismantling gla	te plai creenir Qty: a azed c	n i/ ng a s p or e	8538 Ic placing and wash er item t ncaustic	x g, cc hing No.	0.125 ompacting of stone a 1(A) s, etc	, fini aggr =	shing a egate) 8538	nd rati x	curing o 0.125	=	1067 Cft @ 1067 Cft @	10666.65 % 38178.90 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1:2:4. Dismantling gla	te plai creenir Qty: a azed c	n i/ ng a s p pr e	8538 c placing and wash er item t ncaustic	x), cc hing No.	0.125 ompacting of stone a 1(A) s, etc	, fini aggr =	shing a egate) 8538	nd rati x	curing o 0.125	=	1067 Cft @ 1067 Cft @	10666.65 % 38178.90 %	Cft 113813/
4	Cement concret complete (i/c sc 1·2:4 Dismantling gla 1 oi;et	te plai reenir Qty: a azed c	ni/ nga sp 7 x	8538 c placing and wash er item f ncaustic 2	x g, cc hing No tile: (0.125 ompacting of stone a 1(A) s, etc 5	, fini aggr =	shing a egate) 8538 3 1/2 7 1/2	nd rati x	curing o 0.125 5	н н	1067 Cft @ 1067 Cft @ 595 Sft	10666.65 % 38178.90 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla l oi;et L evorty	te plai creenir Qty: a azed c	ni/ ng a bre 7 x 3	8538 c placing and wash er item f ncaustic 2	x g, ccc hing No. tile: (0.125 ompacting of stone a 1(A) s, etc 5 15	, fini aggr = +	shing a egate) 8538 3 1/2 7 1/2	nd rati x)	curing o 0.125 5	н в <mark>н</mark> н	1067 Cft @ 1067 Cft @ 595 Sft 675 Sft	10666.65 % 38178.90 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla l oi;et L evorty Blocvk	te plai reenir Qty: a azed c	ni/ nga bre 7 x 3 x	8538 c placing and wash er item f ncaustic 2 2	x g, ccc hing No. (((0.125 ompacting of stone a 1(A) 5 5 15 7 2/3	, fini aggr = + +	shing a egate) 8538 3 1/2 7 1/2 6	nd rati x))	curing o 0.125 5 5 5	ак в в	1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft	10666.65 % 38178.90 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla Toi;et Levorty Blocvk Foilet	te plai reenir Qty: a azed c	ni/ nga spre 7 x 2 x	8538 c placing and wash er item f ncaustic 2 2 2 2	x g, cc hing No. tile ((((0.125 ompacting of stone a 1(A) 5 5 15 7 2/3 7 4/7	, fini aggr = + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6	nd rati x))	curing o 0.125 5 5 5 5 5	аик в ^п	1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft	10666.65 % 38178.90 %	Cft 113813/
4	Cement concret complete (i/c sc 1/2:4. Dismantling gla Toi;et Levorty Blocvk Foilet Bath	te plai creenir Qty: a azed c	ni/ ng a pre 7 x 3 x 2 x 1 x	8538 c placing and wash er item t ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x), ccc hing No ((((((0.125 ompacting of stone a 1(A) 5 15 7 2/3 7 4/7	, fini aggr = + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 5	nd rati x)))	curing o 0.125 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1:2:4. Dismantling gla lioi;et Levorty Blocvk Foilet Bath Bath- Dotth	te plai reenir Qty: a azed c	ni/ ng a bre 7 x 3 x 2 x 1 x 1 x	8538 c placing and wash er item t ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No ((((((((0.125 ompacting of stone a 1(A) 5 15 7 2/3 7 4/7 6 11 3/4	, fini aggr + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 6 5/6	ndi rati x))))	curing o 0.125 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 186 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1:2:4. Dismantling gla Toi;et Levorty Blocvk Foilet Bath Bath Bath	te plai reenir Qty: a azed c	ni/ ng a bre 7 x 7 x 7 x 7 x 7 x 7 x 1 x 1 x 1 x	8538 c placing and wash rer item t ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No. (((((((((((((0.125 ompacting of stone a 1(A) 5 15 7 2/3 7 4/7 6 11 3/4 3 4/7	, fini aggr + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 6 5/6 1 1/2	ndi rati x)))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 186 Sft 191 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4 Dismantling gla 1 oi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath	te plai reenir Qty: a azed c	n i/ ng a pre 7 x 3 x 1 x 1 x 1 x 1 x	8538 c placing and wash er item t ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No. tile: (((((((((((((0.125 ompacting of stone a 1(A) 5 15 7 2/3 7 4/7 6 11 3/4 3 4/7 16	, fini aggr = ++ ++ ++ + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 6 5/6 1 1/2 7 2/3	nd rati x)))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 186 Sft 191 Sft 237 Sft	10666.65 %	Cft 113813/
4	Cement concret complete (i/c sc 1:2:4. Dismantling gla l oi;et L evorty Blocvk Foilet Bath Bath Bath Bath Bath	te plai reenir Qty: a azed c	ni/ ng ; pre 7 x x x x x 1 x x 1 x x 1 x x x x x x x	8538 c placing and wash er item t ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing Vo. tile (((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3	, fini aggr = ++++++++++++++++++++++++++++++++++	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1/2 7 2/3 5 5/8	nd rati x)))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 136 Sft 191 Sft 237 Sft 239 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4 Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath	te plai reenir Qty: a azed c	n i/ ng (pre 7 x x x x 1 x x 1 x x 2 x x 1 x x 2 x x	8538 c placing and wash er item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x 9, cc hing 90. (((((((((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20	, fini aggr = + + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5 5/6 1 1/2 7 2/3 5 5/8 15 3/8	ndi rati x)))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 134 Sft 191 Sft 237 Sft 239 Sft 708 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ni/ ng a pre 7 x x x x 1 1 x x 2 1 x x 1 1 x x 2 1 x x 1 1 x x 2 1 x x 1 1 x x x 1 1 x x 1 x x 1 1 x x x 1 x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x 1 x x x x 1 x x x x 1 x x x x x 1 x	8538 c placing and wash er item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x yo. tile (((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6	, fini aggr = + + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1/2 7 2/3 5 5/8 15 3/8 5	ndi rati x))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 595 Sft 273 Sft 134 Sft 120 Sft 186 Sft 191 Sft 237 Sft 239 Sft 708 Sft 883 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	n i/ ng (pre 7 x x x x 1 1 x x 2 2 x x 1 x x 2 1 x x x 2 1 x x x 2 1 x x x	8538 c placing and wash er item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No. ((((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4	ndi rati x)))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 134 Sft 136 Sft 191 Sft 237 Sft 239 Sft 708 Sft 883 Sft 490 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla Loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	n i/ ng (pre 7 x x x x x 1 1 x x 2 x x x 1 1 x x 2 x x 4 x x 2 x x 4 x x 2 x	8538 c placing and wash er item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x , cc , c	0.125 ompacting of stone a 1(A) 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6	nd rati x))))))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 134 Sft 120 Sft 136 Sft 191 Sft 237 Sft 239 Sft 708 Sft 883 Sft 490 Sft 220 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1/2:4. Dismantling gla Loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ni/ ng pre 7 x x x x x x 1 1 x x x 2 x x x x 1 1 x x 2 x x x 2 1 x x 2 x x 2 x x 1 x x 2 x x 1 x x 2 x x x 1 x x x 2 x x x 1 x x x x	8538 c placing and wash er item 1 ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x , ccc , cccc , ccc , ccc , ccc , cccc , ccccc , ccccc , cccc , ccccc , ccccc , ccccc , cccccc , cccccccc , cccccccccc	0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5 10 1/4	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 6 5/6 6 5/6 6 5/6 6 5/6 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5	ndi x))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ялякиякальни п ^п	1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 134 Sft 120 Sft 186 Sft 708 Sft 708 Sft 883 Sft 490 Sft 220 Sft 153 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1:2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ni/ ng p pre 7 x x x x x x x x x x x x x x x x x x	8538 c placing and wash er item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x , ccc hing No. (((((((((((((0.125 0.125 0.125 0 stone a 1(A) 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5 10 1/4 7 1/6	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 4 1/2	ndi x)))))))))))))))))))))))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 134 Sft 191 Sft 239 Sft 708 Sft 883 Sft 490 Sft 220 Sft 153 Sft 117 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ni/ ng; pre 73 x x x x x x x x x x x x x x x x x x	8538 c placing and wash rer item t ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x , ccc hing No. tile (((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5 10 1/4 7 1/6 4-1/2	, fining = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 7 1/4 6 5 4 1/2 4 -5/8	ndi x)))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	В и в и в и и в и и и и и и и и и и и и	1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 134 Sft 120 Sft 135 Sft 883 Sft 490 Sft 239 Sft 153 Sft 117 Sft 91 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1/2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai creenir Qty: a azed c	ni/ ng; pr 73 x x x x x x x x x x x x x x x x x x x	8538 c placing and wash er item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No. (((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5 10 1/4 7 1/6 4-1/2 5	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 11 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 7 1/4 6 5 4 1/2 4 -5/8 4	ndi rati x)))))))))))))))))))))))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	п в в приналивани в в	1067 Cft @ 1067 Cft @ 595 Sft 595 Sft 134 Sft 134 Sft 120 Sft 134 Sft 131 Sft 239 Sft 708 Sft 239 Sft 239 Sft 708 Sft 239 Sft 153 Sft 117 Sft 91 Sft 360 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ni/; prexxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	8538 c placing and wash rer item f ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing Vo. (((((((((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 10 1/4 7 1/6 4-1/2 5 3-1/4	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 7 1/4 6 5 4 1/2 4 -5/8 4	ndi rati x)))))))))))))))))))))))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	и в и принкинкини и и	1067 Cft @ 1067 Cft @ 595 Sft 595 Sft 595 Sft 134 Sft 134 Sft 134 Sft 191 Sft 237 Sft 239 Sft 708 Sft 883 Sft 490 Sft 153 Sft 117 Sft 91 Sft 117 Sft 91 Sft 360 Sft 145 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ng; prexxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	8538 c placing and wash er item 1 ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No. ((((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 10 1/4 7 1/6 4-1/2 5 3-1/4 7-3/8	, fini aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 55/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 4 1/2 4 -5/8 4 4 5-5/8	nd iratii x)))))))))))))))))))))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	и и и и и и и и и и и и и и и и и и и	1067 Cft @ 1067 Cft @ 595 Sft 595 Sft 595 Sft 134 Sft 134 Sft 134 Sft 130 Sft 239 Sft 708 Sft 239 Sft 708 Sft 239 Sft 708 Sft 153 Sft 117 Sft 117 Sft 91 Sft 360 Sft 145 Sft 130 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;at Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ng; proving;	8538 c placing and wash er item 1 ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x g, ccc hing No. ((((((((((((((0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5 10 1/4 7 1/6 4-1/2 5 3-1/4 7-3/8 4-3/4	, fini = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 55/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 5 4 1/2 4 -5/8 4 4 5-5/8 6	nd iratii x)))))))))))))))))))))))))))))))))	curing 0 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	и и и и и и и и и и и и и и и и и и и	1067 Cft @ 1067 Cft @ 595 Sft 595 Sft 595 Sft 134 Sft 120 Sft 134 Sft 120 Sft 134 Sft 120 Sft 136 Sft 239 Sft 708 Sft 239 Sft 708 Sft 239 Sft 153 Sft 117 Sft 117 Sft 117 Sft 117 Sft 130 Sft 130 Sft 130 Sft 130 Sft	10666.65 %	Cft 113813/
4 5	Cement concret complete (i/c sc 1·2:4. Dismantling gla loi;et Levorty Blocvk Foilet Bath Bath Bath Bath Bath Bath Bath Bat	te plai reenir Qty: a azed c	ni/; p p 7 x x x x x x x x x x x x x x x x x	8538 c placing and wash er item 1 ncaustic 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	x , ccc , cccc , ccc , ccc , ccc , ccc , cccc , cccc , cccc , ccc , ccc , cccc , ccc , cccc , ccccc , ccccc , ccccc , cccccccccc	0.125 ompacting of stone a 1(A) s, etc 5 15 7 2/3 7 4/7 6 11 3/4 7 4/7 16 6 1/3 20 3 5/6 5 5 10 1/4 7 1/6 4-1/2 5 3-1/4 7-3/8 4-3/4	, aggr = + + + + + + + + + + + + + + + + + +	shing a egate) 8538 3 1/2 7 1/2 6 5 5/6 6 5/6 6 5/6 6 5/6 6 5/6 6 5/6 1 1 1/2 7 2/3 5 5/8 15 3/8 5 7 1/4 6 5 4 1/2 4 -5/8 4 4 5-5/8 6	nd iratii x)))))))))))))))))))))))))))))))))	curing o 0.125 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1067 Cft @ 1067 Cft @ 595 Sft 675 Sft 273 Sft 134 Sft 120 Sft 134 Sft 120 Sft 136 Sft 239 Sft 708 Sft 239 Sft 708 Sft 239 Sft 153 Sft 117 Sft 117 Sft 117 Sft 117 Sft 1130 Sft 130 Sft 130 Sft 130 Sft 130 Sft	10666.65 %	Cft 113813/

1 of 5 (22

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Providing and laying super b quality Ceramic tile floors of Master brand of specified size, Glossy/ Matt/ Texture of approved Color and Shade as perapproved 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 asapproved and directed by the Engineer Incharge.12"x36"

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	Point	7	v	5	¥	3 1/2		=	123	Sft
	i ui,et	3	Ĵ	15	Ŷ	7 1/2		=	338	Sft
	Tellet	2	Ĵ	7 2/3	Ŷ	6		=	92	Sft
	lollet	4	X	7 417	· · ·	6 5/6		=	44	Sft
	Bath	1	х	(4/ (2	x	5 5/0	•	_	36	Sft
	Bath	1	х	6	Х	6		-	00	011
	Bath	1	х	11 3/4	х	6 5/6		=	80	Sn
	Bath	1	x	7 4/7	х	11 1/2		=	87	Sft
	Bath	1	x	16	х	7 2/3		• =	123	Sft
	Bath	2	Y	6 1/3	x	. 5.5/8		=	71	Sft
	Louistu Blook	2		20		15 3/8		-	615	Sft
	Levoity block		X	0.510		6			192	Sft
	Bath .	10	×	0 010 -	x	U mata		_	145	Sfl
	Bath	4	Х	5	X	/ 1/4		-	140	011
	Bath	2	х	5	х	6		=	60	Sn
•	Bath	1	х	10 1/4	х	5		=	51	Sft
	Bath	1	x	7 1/6	х	4 1/2		=	. 32	Sft
	Dath -	1	Ŷ	4-172	x	4-5/8		=	21	Sft
	Dalli	, ,	Ĵ	5	v	Δ		=	80	Sft
		4		2 1/4	Ô	4		=	26	Sft
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		1	х	4-3/4	х	6			29	<u>01</u>
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240.00 P.Sft 548340/-

Providing and laying super b quality Ceramic tiles dado of Master brand of specified size, Clossy/ Mati/ Textures kirting /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"x36"

Engineer moneng											
Toiret	7 x	2	ť	5	÷	3 1/2)	7	=	833 Sft	
Levorty ·	3			15		7 1/2					
Blocyk	x	2	(+)	7	=	945 Sft	
Toilat	2 x	2	ì	7 2/3	+	6)	7	=	382 Sft	
Dath	- x 1 x	2	ì	7 4/7	+	5 5/6)	7	=	188 Sft	
Dath	1 v	2	ì	6	+	6 ')	7	=	168 Sft	
Dath	1 2	2	í	11 3/4	+	6 5/6	Ś	7	=	260 Sft	:
Bath	1 2	2	(7 4/7	+	11 1/2	Ś	7	=	267 Sft	:
Bath	1	2	$\sum_{i=1}^{n}$	16	+	7 2/3	Ś	7	=	331 Sft	ł
Bath	1 X	2	1	6 1/3	, ,	5 5/8	Ń	7	=	335 Sfl	ł
Bath	2 X	6	· ·	20 1/5	,	15 3/8	~	7	=	991 Sf	ł
Levorty Block	2 X	2.	(20	-	10 0/0 E	~	7	_	1236 58	ł
Bath	10 x	2	(3 3/0	+	3 7 1 / 4	,	7	-	686 Sfl	י +
Bath	4 x	2	ί.	5.	-+-	7 1/4)	(200 00	•
Bath	2 x	2	ť	5	+	0)		Ξ	300 30	l L
Bath	1 x	2	(10-1/4	+	5)	7	=	214 51	t.
Bath	1 x	2	(7 1/6	+	4 1/2)	7	=	163 Sf	1
Bath	1 x	2	(4-1/2	+	4-5/8)	7	. =	128 Sf	ł
	4 x	2 ·	(5	÷	4)	7	=	504. Sf	t
	2 x	2	(3-1/4	+	4)	7	=	203 Sf	t
	1 x	2	Ċ	7-3/8	+	5-5/8)	7	=	182 Sf	t
	. 1 x	2	Ċ	4-3/4	+	6)	7	=	151_Sf	t
		_	•						=	8474 Sft	
D/d	48 x	2 1/2	x	7					=	. 840 Sf	ť
									=	7634 Sft	

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 tile 600mm x 600 mm / 24" x 24"

Dark Room	2	х	7 2/3	Х	9.2/3			=	148	Sft
X-Ray Room	1	x	13	х	20			Ξ	360	Sft
∟abour Room	1	x	15 4/7	X	20 1/8			Ξ	314	Sft
Gellery	1	x	97	х	8			=	776	Sft
Mail Ward	1	x	62 1/6	x	40	•	÷	=	2486	Sft
Gyn ,	1	x	20-2/3	x	20			=	413	Sft

P.Sft 2234974/-

292.75

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4497 Sft P.Sft 1531453/-@ 340.55 Providing and laying superb quality Porcelain glazed tiles skirting 9 /dado 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 tile 600mm x 600 mm / 24" x 24" 9 2/3 1/2 = .35 Sft 7 2/3) 2 x 2 Dark Room 1/2 =38 Sft 20 18 4-1 x 2 X-Ray Room ł 286 Sft 20 1/6 Ξ 15 4/7) 2 Labour Room 1 x 4 817 Sft 40 62 1/6) 4 ≒ 2 1 x Mail Ward Sft 325 20 20-2/3 + 1 x 2 Gyn 1501 Sft 511166/-P Sft 340.55 @ Providing and laying super b quality Porcelain glazed tiles of Master 10 brand, skirting/dado of specified size ,Colorand Shade with adhesive /bondover 1/2" thick (1:2) cement plasteri/cthe cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.400 mmX400 mm 87. Sft 7 4/7 $11 \ 1/2$ 1 x х Storre 123 Sft = 7-2/3 1 x 16 Х Store 61 Sft = 7-2/3 8 1 x Х Store 240 Sft = 2 2 x 60 X Store 61 Sft 7-2/3 8 Store 1 x Childern Ward 120 Sft = 12 "obby 1 x 10 Х 621 Sft 40-3/4 15-1.4 Crush Hall 1 x X 741 Sft P.Sft 206183/-278.25 @ Providing and laying super b quality Porcelain glazed tiles of Master 11 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 400 mmX400 mm 19 Sft 11 1/2 7 4/7 1/2= 1 x) 2 Storre { 47 Sft 1/2= 7-2/3 卫盘 2 x 4-) Store 2 1/216 Sft 7-2/3 = 8 +) 2 1 x (Store 1/2 = 16 Sft 7-2/3) 2 8 1 x (Store 840 Sft 2 8 97) 1 x ſ Gallry 938 Sft 274518/-P.Sft $\widehat{\boldsymbol{\omega}}$ 292.75 Providing and laying superb quality Porcelain glazed tiles flooring - 🔭 12 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 / 12" x 12". 624 Sft 6-1/2 24 x Ramps Total. 624 Sft 132038 211.6 P.Sft @ P/L LED Lining 2mm thick 10 774 Sft 19 1/4) 12 13 ≚ray iroma Х 2 ſ + 19 1/4) 9 5/8 12 1386 Sft 2 2 х Troma (912 Sft + 20 18) 12 3072 Sft H Total: 3 1/2 74 Sft D/d 3 x 2998 Sft 2998000/-1000.00 P Sft @ Supply and installation anti-microbial Hygenic flooring (with anti-14

Supply and installation anti-microbial Hygenic flooring (with antibacterial 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.Epoxy 3 of 5 (24

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O.T $1 \times 20.25 \times 20$ = 413 Sft $1 \times 20.25 \times 20$ = 400 Sft Total = 1012 Sft $1 \times 20.25 \times 20$ = 400 Sft Total = 1012 Sft $1 \times 20.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 976 Sft $2 \times 21.25 \times 20$ = 12 = 976 Sft $1 \times 2 \times 21.25 \times 20$ = 12 = 976 Sft $2 \times 21.25 \times 20$ = 12 = 976 Sft $2 \times 21.25 \times 20$ = 12 = 976 Sft $2 \times 21.25 \times 20$ = 100 Sft $3 \times 21.25 \times 21.25 \times 20$ = 400 Sft $3 \times 21.25 \times 20.25 \times 20$ = 413 Sft $3 \times 21.25 \times 20.25 \times 20$ = 413 Sft $3 \times 20.55 \times 20.25 \times 20$ = 413 Sft $2 \times 20.55 \times 20.25 \times 20.2$		ОT														
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@ 950 P.Sh €60200 Supply and installation of the limiting graded/scratch-resistant 1 Invigence anti-finiting graded/scratch-resistant 1 Invigence anti-finiting to (Si22196) and pasted over 14 12mm hick gradem based state 3.5% 27.3.6 disj served on wall k2 SWG G I, Chamael of size 3.5% 27.3.7 disj served on wall k2 976 Sh 1 x 2 (14.3.44 - 13.1/2) 12 976 Sh 1 x 2 (20.2.7.4) 12 976 Sh 1 x 2 (20.4.2.7.4) 12 976 Sh 1 x 2 (20.4.2.7.4) 12 976 Sh 1 x 2 (20.4.2.4.2.4) 12 976 Sh 200 mmX500 mm grid Columners 300 mmK 200 mm grid Columners 976 Sh 300 mmX500 mm grid Columners 98.600 mm Columners 98.600 mm K3 000 mm 0.1 1 x 20.2.3 20 = 400 Sh 0.1 1 x 20.2.3 20 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																
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Total a set of the stress duly transplatic weided conforming to (\$0.2216) and pasted over 1.3WG G.I Channeld of stress 3.572 X3.57 (d) set over 1.4 SWG G.I Channeld of stress 3.572 X3.57 (d) set over 1.4 SWG G.I Channeld of stress 3.572 X3.57 (d) set over 1.4 SWG G.I Channeld of stress 3.572 X3.57 (d) set over 1.4 Stress 2.2 (2.0) $+ 20$) 1.2 = 976 S.ft 1 x 2 (2.0) $+ 20$) 1.2 = 976 S.ft 1 x 2 (2.0) $+ 20$) 1.2 = 960 S.ft Total = 2614 S.ft (@ 750 P.S.ft 9+64+60 (@ 750 P.S.ft 9+64+60 (D) P.S.ft 9+21+20 (D) P.S.ft 9+21+2		Supply and insta	llatior	n ore	mimun	i ara	ded/scr	atch	resistan	t					:	
Incarnoglastic weided conterming to (150:2216) and pasted over 14- 20m thick system boad with indresive/object for the Engineer In- charge Zim 1 x 2 (14:34 + 13:12) 12 = 975 Sft 1 x 2 (14:34 + 13:12) 12 = 976 Sft 1 x 2 (12) + 20) 12 = 970 Sft 201 x 2 (20 + 20) 12 = 970 Sft 201 x 2 (20 + 20) 12 = 970 Sft 3 Supply and installation of Clip-in fle (0.6 mm - 0.7 mm thick) non- proval silumitum false calling of spacefiled size fitted with Clip-in suspension system hanged on Conceal of TSniple beggermanes 9 600 mm X500 mm od (16 of the Concent of TSniple beggermanes 9 600 mm X500 mm od (16 of the Streager of the Streage	•	Hydienic anti-mic	robia	al Pv	c wall p	ladd	ing of s	pecif	ied thick	ness duly					х х	
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SWQ 6,1 Channel of size 3.5% 2*3.5° dity screwed and wint we have the cost of hardwares as approved and directed by The Engineer incharge 2 mm 1 x 2 ($2023 + 20$) 12 = 976 Sft 1 x 2 ($2023 + 20$) 12 = 976 Sft 1 x 2 ($2023 + 20$) 12 = 960 Sft Total = 2614 Sft % % % % % % % % % %		12mm thick gyps	ստ ե	oarc	l with a	dhes	sive/solv	ent f	lixed ove	r 14-					ţ.	
the cost of hardwares is approved and circled by the Engineer incharge 2 mm 1 x 2 (142) x 12 = 976 Sh 1 x 2 (142) x 12 = 1976 Sh 1 x 2 (142) x 2 = 199 Sh 1 x 2 (142) x 12 = 100 x 2 = 400 Sh 2 (142) x 12 = 100 x 2 = 200 Sh 2 (142) x 17 x 1-1/2 = 240 Sh 2 (142) x 17 x 1-1/2 = 126 Sh 1 rade 2 5 x 31/2 x 5/8 = 55 Sh 1 rade 2 5 x 31/2 x 5/8 = 55 Sh 2 (142) x 12 x 10 x 2 = 126 Sh 2 (142) x 12 x 10 x 2 = 126 Sh 2 (142) x 12 x 10 x 2 = 126 Sh 2 (142) x 12 x 10 x 2 = 126 Sh 2 (142) x 12 x 10 x 2 = 126 Sh 2 (142) x 12 x 10 x 2 = 223 Sh 2 (140) x 1 x 10 x 1 = 126 Sh 2 (142) x 12 x 10 x 2 = 223 Sh 2 (140) x 1 x 10 x 1 = 126 Sh 2 (142) x 12 x 10 x 2 = 223 Sh 2 (140) x 1 x 10 x 1 = 126 Sh 3 (142) x 12 x 10 x 2 = 223 Sh 2 (140) x 1 x 10 x 1 = 126 Sh 3 (142) x 12 x 10 x 2 = 23 Sh 2 (140) x 1 x 10 x 1 = 48 Rh 2 (142) x 12 x 10 x 1 = 48 Rh 2 (142) x 12 x 10 x 1 = 48 Rh 2 (142) x 12 x 10 x 1 = 101 x 10 x 1 = 48 Rh 2 (142) x 12 x 10 x 1 = 101 x 1 =		SWG G.I Channa	ael of	fsize	e 3.5"X	2"X3	3.5" duly	scre	ewed on	wall I/C						
charae 2 mm 1 x 2 { $202/3 + 20$ } 12 = 976 Sft 1 x 2 { $20 + 20$ } 12 = 990 Sft Total = 2614 Sft 20 $+20$ $Total = 2614 Sft 0 750 P Sft1$ $x 2$ 1 20 $+20$ 12 -10 -10 -1		the cost of hardw	vares	as a	approve	d an	id direct	ed b	y the Er	igineer in	-			•	, 1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		charge 2 mm			2	,	20.2/3		20) 12	=	976	Sft		}- 	
1 x 2 1			 1	x	2	(11-3/4	, . .+	13-1/2) 12	=	678	Sft		ſ	
Total. = 2614 St Total. = 2615 St Total. = 2615 St Total. = 273 St Total. = 734 St Total. = 274600.00 Each 923800/ Providing and fixing 2-97 high start railing comprising of non nagnetic 2005 Start 27 Sta stalt 28 St Total. = 734 St Total. = 734 St Total. = 48 Rt			i 1	x	2	(T	20	, . +	20) 12	=	960	Sft			
Total. = 2614 Stt ()			1	x	2	ţ	20		20	,						
 Supply and installation of Clip-in tite (0.6 mm -0.7 mm thick)non-protous alumnium false ceiling of spacified size fitted with Clip-in'r suspension system hanged on Concelled T/Shiplap edge/funners @ 500 mm x02 for two clip catting charges of tites to required size supension rods and joints seciel ow fit suiton if required of DAMPA/Demark, as approved and directed by the Engineer incharge. Sharp edges & flange19.5 mm 300 mm 300 mm 300 mm 300 mm 300 mm 1 × 14.34 × 13.1/2 = 199 Sft 1 × 14.34 × 13.1/2 = 199 Sft 1 × 14.34 × 13.1/2 = 199 Sft 1 × 20 × 20 = 400 Sft 0.5 ft P.Sft 522192 Providingandlaying3/4*thicktulwidthPrepolishedMarblestabforVaniti es/Sheves/TreadSWIndowCills havingUnitermisture(Spotless)with hadhesivebodve3/4 thicktulwidthPrepolishedMarblestabforVaniti es/Sheves/TreadSWIndowCills havingUnitermisture(Spotless)with as the engineer incharge. China Verona Counter 2 x 10 x 2 = 40 Sft 24 x 3.1/2 x 1.1/2 = 126 Sft 26 x 7 x 1.1/2 = 126 Sft 26 x 7 x 1.1/2 = 126 Sft 20 x 3.1/2 x 5/3 = 55 Sft 20 x 3.1										Total.	=	2614	Sft		14/000	
 Supply and installation of Clip-in tile (0.6 mm -0.7 mm thick) non-porous alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concested 17/Shiple edger/unners @ 600 mm X600 mm grid Edge Tams tasten or wall with plug and screw @ 500 mm X600 cm dc i/c octing charges of files to required the suspension rods and joints sestic with silicon if required of DAMP/ADemark, as approved and directed by the Engineer incharge Sharp edges & flange19.5 mm 300 mm X 300 mm O.T 1 x 20-2/3 x 20 = 413 Sft 1 x 14-3/4 x 13-1/2 = 199 Sft 1 x 14-3/4 x 13-1/2 = 1012 Sft @ 516 P Sft 522192 Providingandlaying3/4"thickfullwidthPrepoishedMarbleslabforVaniti es/Shelves/Treads/WindowClils.havingUniformtexture(Spotless)with hadhesvebondover3/4 thick(1:2/comentsandmoton/cthecostofmat chingseaiercompleteinalitespectsasapproved and directed by the Engineer incharge China Verona Countar 2 x 10 x 2 = 400 Sft 2273 Sft 26 x 3.1/2 x 5/68 = 55 Sft 7 x 1-1/2 = 273 Sft 26 x 3.1/2 x 5/68 = 73 k 1-1/2 = 126 Sft 0 + 12.35 P.Sft 302665 Counter Detail Atlached 3 - No @ 274600.00 Each 823800/ weided with vertical posts of 2° dia stainless stel round? Squar appe/ Tong thesis stel round? Squar appe/ Tong theory and post of 2° dia stainless stel round? Squar appe/ Tong theory appe. Tong theory appe/ Tong theory appe. Tong theo													@	TO P Sft	9148449	
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20 Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rait comprising-fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.

	- 1 x	3 x	18			=	54 Rft	•	•
		•			ΤΟΤΑ	=	54 Rft	. •	
					•		@	505.4 P.Rft	27292
Providing and fixi	ng 2"X2" Si ed corner a de celf adb	tainless Stee nd 0.8 mm b	el 14 SWG end at edg	Corner C les duly p xcellent	Guard Dasted				4 1 1
nold/(double side hold/arge.	ed Tape) as	approved an	nd directed	by the E	ingineer	r			
corners	1 x	40 x	6		Total.	=	240 Rft		1 1 1 1 1 1 1
			•				Ø	150 P.Rft	36000
Toilets Vanities	6 v	~ 1 v	12 ×	2 1/4		=	162 Sft		
Gilets Validies	4 v	1 x	8 x	2 1/4		=	72 Sft		
	7 x	3 x	12 x	4 1/4		=	1071 Sft		
entrance step	1 x	бх	12 x	1 1/4		= .	90 Sft		
		-			ΤΟΤΑ	=	1395 Sft		
							@	412.35 P.Rft	575228
م		Isk Dropalist	and Marhle	ekirtina/	ricerc				
B Providing and la having uniform t	exture (spo	t less) of size	e 24"x6" of	approve	d qualit	у			: 18
and shade with	adhesive bo	ond over 3/4	" thick (1:2)) cement	sand				
mortor complete	e in all respe	ective the co d and direct	ed by the E	ing seak Ingineer					
Incharge. China	as approve a Verona			3 -					

incharge, China	i veruna					
Entrance Steps	4 x	3 x	5 x	1/2	.=	30 Sft
	4 x	3 x	. 8 x	1/2	=	48 Sft
olets Vanities	6 x		12 x	1/3		24 Sft
Takkars						
	4 x	1 ×	8 x	1/3	. =	11 Sft
	7 x	3 x	5 x	1/3	=	35 Sft

SUB DIVISIONAL OFFICER BUILDINGS SUB DIVISION, SHORKOT @ 204.6 P.Rft Total

148 Sft

TOTA =

4350972 Total 21538912/-1435/000 24538900/-Say Rs.

30198

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REPLACEMENT OF DOORS AND WINDOWS

Share-using cable vie chowlar 00 N/A 00 331.85 P.St 19699- Removing windows 81 Nos 00 256.70 P.St 20055- Optional topes of party theory and gate ty openabula gibbe and sed borne color d binning windows and gate of the party tope and the party topes of gates it is the tope of a starts of the party tope and the party tope and the party topes of gates it is the tope of the party tope and the party topes of gates it is the tope of the party tope and the party topes of gates it is the tope of the party tope and tope of the party tope and the party topes of gates it is the tope of the party tope and topes of gates it is the tope of the party tope and topes of gates it is the tope of the party tope and topes of gates it is the tope of the party tope and tope and tope of the party topes of gates it is the tope and tope and tope and tope and tope and topes of gates it is the tope and tope and topes and									•									
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The party for each party oper ratio give give divide a divide the oper parts having encode at them of size 2 × 2 × 4 × 7 Image: the party divides and there and party oper ratio for the part of size 2 × 4 × 7 =120SfImage: the party divides and there and party oper ratio for the part of size 2 × 4 × 7 =120SfImage: the party divides and party oper ratio for the party divide and party oper ratio for the party divides and party oper ratio for the party divide and party bar of glazed at learning which go using divide and party oper ratio for the party divide and party bar of glazed at learning which go using divide and party for the party bar of glazed at learning which go using divide and party for the party bar of glazed at learning which go using divide and party for the party bar of glazed at learning having and party for the party bar of glazed at learning having at learning and the party bar of glazed at learning having and party for the party bar of glazed at learning having and the party divide and party bar of glaze at learning					8	1 Г	NOS							e	. 200		·	;
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The set of	Cable	as, nav w imor	ing criowki orted and 1	atinan 12 mi	m thick i	mpoi	rted ta	mpere	ed glas	s with))		•					
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Including Intermediate Including Intermedia	handi	ies etc	and hardw	/are a	iny requir	ed a	s appr	oved	by the	Engi	leer							
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Total: = 176 Sft	Ma	en Ent	1	x	12	x	10					-	56	Sft				
Providing and fitting all types of glazed aluminism withdows of anothed powder coated partly fixed and party shifting using delix sections of approved manufacturer having later as yea of 100 x 30 mm (5.4, .47) and heal frame sections of 20 ± 20 mm (2.3, 7), all of 1 mm, thickness including 5 mm thick impounds in table glass with rubber gasket using approved standard latenes, hardware etc., as approved by the Engineer in-charge. W. <u>4 x 12 1/2 x 2 40 x 4 x 3 1/2</u> = 100 Sft = 560 Sft Total: = 660 Sft (2.1348.40 P.Sft 85994/- More than the frame of the cost of 1-1474/8/8 Mission and fixing M.S. grill fabricated with MS Square polished thereuchber/zonnal Bars of specific away (2.3 d' c/c) passed through properties in MS Square polished thereuchber/zonnal Bars of specific away (2.3 d' c/c) passed through properties approved and directed by the Engineer incharge. (3) 127 Square Bars in	Gayn	нОI	2	x	4.	^	'				Total:	Ξ	176	Sft				
Providing and fitting all types of glazed aluminium winnows of endised powder coated partly fixed, and partly Suffig using deux sections of approved manufacturer traving time size of 100 x 30 mm (2*3/11/3) and leaf tame sections of 30 mm (2*3/11/3) and leaf tame sections as approved and directed by the engineer incharge. complete in all respects as approved and directed by the engineer incharge. complete in all respects as approved and directed by the engineer incharge. complete in all respects as approved and directed by the engineer incharge. complete in all respects as approved and directed by the engineer incharge. complete in all respects as approved and d	.													@	1600.00	P.Sft	281600/-	
Providing and fitting all types of plazed aluminium windows of another coated and the wind future set of 100 x 30 mm (1 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 20 mm (2 \times 1/4) and had have sectors of 500 \times 1/2 \times 2 = 100 \times 1/2 \times 2 = 100 \times 1/2 \times 2 = 100 \times 1/2 \times 2 = 560 \times 1/2 \times 2 = 100 \times 1/2 \times 2 = 100 \times 1/2 \times 2 = 100 \times 1/2 \times 1/2 \times 2 = 100 \times 1/2 \times 1/2 \times 2 = 100 \times 1/2 \times 1/2 \times 2 = 560 \times 1/2 \times 1/2 \times 2 = 100 \times 1/2 \times	1					•		;			•							
encised powder coated cartly fixed and partly skilling using delax sections of approved manufacturer having fame size of 100 x 30 mm (x), (x) (x) and leal frame sections of 50 x 20 mm, (x), (x), all of from the resens including 5 mm thick important lined glass with having gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. W. 4 x 12 1/2 x 2 40 x 4 x 3 1/2 = 100 Sft = 560 Sft Total: = 660 Sft Total: = 660 Sft (x) 1348.40 P.Sft 865944/- Stronding and fixing M.S. grift fabricated with MS Square polished Verticulinorating Bars of specified sec (g) at //cr passed through puncted holes in MS Patti of 1.1/4 x/18 ⁻¹ to the cost of 1.1/4 x/18 ⁻¹ MS patti for Frame of windows and paining 3 coat complete in all respect as approved and directed by the Engineer Incharge. (f) 1/2 Squar Bars to 4 x 4 x 3 1/2 = 100 Sft d x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft g 987.75 P.Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft g 987.75 P.Sft for a 500 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft g 987.75 P.Sft for a 500 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 3 1/2 = 100 Sft for a 4 x 4 x 1/2 = 100 Sft g 493.05 P.Sft 162707/- Providing and fusing Aluminum Kick plate 4" (100mm) high. Net: = 330 Sft g 493.05 P.Sft 162707/- Providing and fusing Aluminum Kick plate 4" (100mm) high. Net: = 330 Sft g 100 N P.Sft 17500/- g 70.00 P.Sft 17500/- g 70.00 P.Sft 17500/- g 70.00 P.Sft 17500/- g 20 x 3 1/4 x 6 7/8 = 447 Sft	Prov	.ding a	ind fitting a	il type	es of glaz	ed a	lumini	um wi	inclows	s of								
sections of approved manufacture: having traine size of 100 X30 min (%1: 1/4) and leaf frame sections of 50: 21 cm (2*X), 30 of 1 mm, thickness including 5 mm trick imported linelag glass with rapproved by the Engineer in-charge. W. <u>4 x 12 1/2 x 2</u> 40 x 4 x 3 1/2 <u>5 = 500 St</u> Total: = 500 St Total: = 500 St (@ 1348.40 P.St 889944/- Reviding and fixing M.S. grift fabricated with MS Square polished Verticulifunczonial Bare of specifica size (@ 4* 0/c* passed through punched holes in MS Patil of 1-1/4*X18 ¹ MS path for frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer incharge. (9) 1/2 Square Bars (C (9) 1/2 Square Bars (C	auod	iised/ r	powder coa	ted p	artly fixed	i an	d parti	y slidii	ng usir	ng de	ux 0							
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	secti	ions of	approved	manu	facturer	navu	ng trar	ne sizi	e of TU Prozen	uxu atei								
The state is a sproved as land are latches, hardware etc., as growed by the Engineer in-charge. $M = \frac{4}{40} \times \frac{12}{4} \frac{12}{2} \times \frac{2}{3} \frac{2}{12} \qquad \begin{array}{c} s = 100 \text{ Sft} \\ = 560 \text{ Sft} \\ \hline \text{Total:} = 660 \text{ Sft} \\ \hline Constrained for the state of the state of$	(4°,4) 1,000	. /4) 	and leat it ckness incl	ame udine	sections 1.5 mm th	u, bu jick in	nporte	ad tinia	ed glas	ss wit	h						•	
sproved by the Engineer in-charge. $M = \frac{4}{40} \times \frac{12}{4} \frac{12}{2} \times \frac{2}{2} = \frac{100}{5} \text{ Sft}$ $= \frac{100}{56} \text{ Sft}$ $M = \frac{1}{40} \times \frac{12}{4} \times \frac{12}{2} \frac{12}{2} \times \frac{2}{2} = \frac{100}{5} \text{ Sft}$ $Total : = \frac{500}{60} \text{ Sft}$ $M = \frac{1}{2} \frac{1348.40 \text{ P.Sft}}{12400 \text{ star}} \frac{889944}{12400 \text{ star}} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \times \frac{2}{2} = \frac{1}{2} \frac{1}{100} \frac{5}{5} \text{ Sft}}$ $M = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \times \frac{2}{2} = \frac{1}{2} \frac{1}{100} \frac{5}{5} \text{ Sft}}$ $M = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \times \frac{2}{2} = \frac{1}{2} \frac{1}{100} \frac{5}{5} \text{ Sft}}$ $M = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \times \frac{2}{2} = \frac{1}{2} \frac{1}{100} \frac{5}{5} \text{ Sft}}$ $M = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \times \frac{2}{2} = \frac{1}{2} \frac{1}{100} \frac{5}{5} \text{ Sft}}$ $M = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \times \frac{2}{2} = \frac{1}{2} \frac{1}{100} \frac{5}{5} \text{ Sft}}$ $M = \frac{1}{2} \frac{1}$	rubb(er das	ket using a	pprov	ved stand	ard I	atches	s, hard	lware	etc.,	as							
W. 4 x 121/2 x 2 40 x 4 x 31/2 x 2 40 x 4 x 31/2 x 2 f = 560 Sft Total: = 660 Sft f = 560 Sft Total: = 660 Sft f = 7000 Sft f = 7000 P.Sft f = 16200 Sft f = 7000 P.Sft f = 17500- f = 17500- f = 1712 the ksolidhush commerchalp lytters f = 1600 Sft f = 7000 P.Sft f = 17500- f = 1712 the ksolidhush commerchalp lytters f = 6776 = 447 Sft f = 6776 Sft f = 6776 = 447 Sft	appn	oved b	by the Engli	neer i	n-charge	•												
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$10 \times 4 \times 51/2$ $Total: = 660 Sft$ $1348.40 P.Sft 889944/-$ $Total: = 660 Sft$ $1348.40 P.Sft 889944/-$ $Total: = 660 Sft$ $121/2 Star Bars of specified size (2 4' c/c) passed through purched holes in MS Patti of 1-1/4 x1/8' i/c the cost of 1-1/4'x1/8'. MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. Total: = 560 Sft Total: = 560 Sft CS191S 40 \times 4 \times 31/2 \times 2 = 100 Sft 40 \times 4 \times 31/2 \times 2 = 560 Sft CS191S CS191S Privi fing and fixing Aluminum Fly screen comptising of Fiber / Attimum wire guaze (Matasian) fixed in alluminum Irame of approved and directed by the engineer incharge. Drd Drd = 0 \text{ for matrix} = 660 \times 1/2 \text{ (i)} = \frac{330 Sft}{330 Sft} Q = 493.05 P.Sft = 162707/- Method with schedate at a 1.25 = 250 Sft Q = 70.00 P.Sft = 162707/- Method with schedate field. Drd = 0 \text{ for matrix} = 1.25 = 250 \text{ Sft} Q = 70.00 P.Sft = 17500/- Method with schedate field. Q = x - 3.1/4 \times 6.7/8 = 447 \text{ Sft}$	W.		4	х	12 1/2	x	2	en la				=	560) Sfl				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			40	x	4	х	31	12			Total	=	660) Sf	t			
Providing and fixing M.S. grill fabricated with MS Square polished ivericulthorizontal Bars of specified size $\frac{10}{2}$ dr (arised through punched holes in MS Patti of 1-1/4/x1/8" life 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.1002 Cht = 1000 Sft = 560 Sft Cost 4 x 12.1/2 x 2 = 100 Sft = 560 Sft Cost 4 x 3.1/2 Total. = 560 Sft Cost 987.75 P.SftCost 987.75 P.Sft Cost 987.75 P.SftCost 987.75 P.Sft Cost 987.75 P.Sft Cost 987.75 P.SftCost 987.75 P.Sft Cost 987.75 P.SftCost 987.75 P.Sft Cost 987.75 P.SftCost 987.75 P.Sft Cost 987.75 P.Sft Cost 987.75 P.SftCost 74.75 P.Sft Cost 98.75 P.SftCost 74.75 P.Sft Cost 98.75 P.SftCost 74.75 P.Sft Cost 98.75 P.SftCost 74.75 P.SftCost 74.75 P.SftProvide and divide 2 SWG aluminum tark plate 4" (100mm) high. Incod with screws 4" (100 mm) centre to centre. or bettom rail of flush doors only of												-						
Providing and fixing M.S. grill fabricated with MS Square polished britouthorizontal Bars of specifies size (2) 4° or (2) passed through punched holes in MS Patti of 1-1/4°x1/8° to the cost of 1-1/4°x1/8° MS patti of Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (a) 1/2° Squar Bars i/c $26 \times 12 1/2 \times 2$ = 100 Sft $40 \times 4 \times 3 1/2$ = 560 Sft 7 total = 560 Sft $20 \times 4 \times 3 1/2$ = 300 Sft 397.75 P.Sft $4200964Provi fing and fixing Aluminum Fly screen comptising of Fiber /Autonium wire guzze (Malasian) fixed in aluminum frame ofapproved nanufacturer forware Colour / powder coulded of size 1-12^{12}/1/2^{12} and 1.6mm thick with rubber gasket lic cost of Hardwaresas approved and directed by the engineer incharge, complete in allrespect.Did' Qty: as per item No.2 = 660 X 1/2 (·) = 330 Sftwe dy 3.05 P.Sft 162707-Providing and faying 24 SWG aluminum Rick plate d' (100mm) high,fixed with screws 4'' (100 mm) centre to centre,or bortom rail of flush doors only of commercial ply.50 \times 4 \times 1.25 = 250 Sft(2 \times 3 1/4 \times 6 7/8) = 447 Sft20 \times 3 1/4 \times 6 7/8 = 447 Sft$							*							@	1348.40) P.Sft	889944/-	
$\frac{26}{40 \times 4} \times \frac{12}{12} \frac{1}{2} \times \frac{2}{3}$ $\frac{1}{40 \times 4} \times \frac{12}{3} \frac{1}{2} \times \frac{2}{3}$ $\frac{1}{100 \text{ Sft}}$ $\frac{1}{500 Sf$	(ij) 1	i/2" Sq	uar Bars i/	c			, ,					_	-400		•			
$\frac{4}{40} \times \frac{12}{40} \times \frac{12}$			<u> </u>	×	12 1/2	X						=	10	0 Sf	t			
$Total: = \frac{4752^{-5}}{600} Sti = \frac{537}{20} 987.75 P.Sti = \frac{537}{2005964}$ Providing and fixing Aluminum Fly screen comprising of Fiber / Attenurum wire guaze (Matasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2/5/1/2' and 1.6mm thick with rubber gasket lic cost of Hardwards as approved and directed by the engineer incharge, complete in all respect. D/d" Oty: as per item No.2 = 660 X 1/2 (-) = <u>330 Sft</u> Net: = <u>330 Sft</u> @ 493.05 P.Sft 162707/- Providing and taying 24 SWG aluminum kick plate 4" (700mm) high, fixed with screws 4" (100 mm) centre to centre, or berom rail of flush doors only of commercial ply. 50 x 4 x 1.25 = 250 Sft @ 70.00 P.Sft 17500/- P/F11/2'thicksolidiushdoorcomprisingof2.5mmthickCommercialplycom pressedover2.5mmthickcommercialplyower1'thickpackingwoodinstylea indrailsunderproperpressurei/cthecostofnails.iowerbolt,handles,glue.sa wingcharges, Paintingcharges, sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft			4 40	x	4	x	31	1/2	•			=	56	0 Sf	ť.		101915	•
Providing and fixing Aluminum Fly screen comprising of Fiber / Automum wire guaze (Malasian) fixed in aluminum lrame of approved manufacturer brownze Colour / powder coated of size 1- $1/2^{*}/1/2^{*}$ and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge, complete in all respect. D/d" Qty: as per item No.2 = 660 X 1/2 (-) = <u>330 Sft</u> Net: = <u>330 Sft</u> @ 493.05 P.Sft 162707/- Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, or bortom rail of flush doors only of commercial ply. 50 x 4 x 1.25 = 250 Sft @ 70.00 P.Sft 17500/- P/F11/2*thicksolidHushdoorcomprisingof2.5minthickCommercialplycom pressedover2.5mmthickcommercialplycert*mickpackingwoodinstylea ndrailsunderproperpressure/cthecostofnails.iowerbolt,handles,glue,sa wingcharges, Paintingcharges, sandpaperingand3/8*thickmatchirgwood enlippingasapproved and directed bythe Engineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft											Total:	=	475	2 → Sf	it		62(1)2	;
Providing and fixing Aluminum Fly screen comprising of Fiber / Atuminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"/1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge, complete in all respect. D/d" Oty: as per item No.2 = $660 \times 1/2$ (·) = <u>330 Sft</u> Wet: = <u>330 Sft</u> @ 493.05 P.Sft 162707/- Providing and faying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, or bortom rail of flush doors only of commercial ply. 50 x 4 x 1.25 = 250 Sft @ 70.00 P.Sft 17500/- P/F11/2"thicksolidflushdoorcomprisingof2.5minthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwoodinstylea ndrailsunderproperpressure//sthecostofnails.iowerbolit,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 31/4 x 67/8 = 447 Sft	•												000	a) 987.75	• ∙ P.5⊓	(+4 30 536/-	
Providing and histing Automium Pry subset control of approved manufacturer browning fixed in aluminum frame of approved and directed by the engineer incharge, complete in all respect. D/d" Qty: as per item No.2 = $660 \times 1/2$ (-) = 330 Sft Net: = 330 Sft Q 493.05 P.Sft 162707/- Providing and laying 24 SWG aluminum Rick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, or bottom rail of flush doors only of commercial ply. $50 \times 4 \times 1.25 = 250 \text{ Sft}$ P/F11/2"thicksolidiflushdoorcomprising 02 5minthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwood instylea ndrailsunderproperpressure//cthecostofnails.iewerbolf, handles, glue, sa wingcharges, Paintingcharges, sandpaperingand/8"thickmatchingwood enlippingasapproved and directed by the Engineer Incharge. $20 \times 3 1/4 \times 6 7/8 = 447 \text{ Sft}$			1 Colorent	6 I	aura Ehu			nriein	a of Fi	iber /						•		
approved manufacturer brownze Colour / powder coated of size 1- 1/2">1/2" and 1.6mm thick with rubber gasket 1/c cost of Hardwards as approved and directed by the engineer incharge, complete in all respect. Drd" Qty: as per item No.2 = $660 \times 1/2$ (-) = 330 Sft Net: = 330 Sft Q 493.05 P.Sft 162707/- Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, or bottom rail of flush doors only of commercial ply. $50 \times 4 \times 1.25 = 250 \text{ Sft}$ P/F11/2"thicksolidflushdoorcomprisingof2.5mmthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwood enlippingasapproved and directed by the Engineer Incharge. $20 \times 3 1/4 \times 6 7/8 = 447 \text{ Sft}$	Prov Alter	vi ung micium	and tixing / wire quaze	siunii ∋ (Ma	lasian) fiz	ked it	n aium	in um	irame	of								
$1/2"y1/2"$ and 1.6mm thick with rubber gasket l/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.Drd" $Cty:$ as per item No.2= $660 \times 1/2$ (-)= 330 Sft (0.493.05 P.Sft)Drd" $Cty:$ as per item No.2= $660 \times 1/2$ (-)= 330 Sft (0.493.05 P.Sft)Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100mm) centre to centre, or bottom rail of flush doors only of commercial ply.= $250 \times 4 \times 1.25$ = $250 \times 5ft$ (0.700 P.Sft)P/F11/2"thicksolidflushdoorcomprisingol2.5mmthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwood enlippingasapprovedanddirectedbytheEngineer Incharge.= $447 \times 31/4 \times 67/8$ 20 x 3 1/4 x 6 7/8= $447 \times 5ft$	🖹 app	roved	manufactu	rer br	ownze Co	olour	/ pow	der co	ated o	of size	- 1-			•				
as approved and directed by the engineer incitative, complete in all respect. D/d" Qty: as per item No.2 = $660 \times 1/2$ (·) = 330 Sft Net: = 330 Sft @ 493.05 P.Sft 162707/- Providing and taying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, or bottom rail of flush doors only of commercial ply. $50 \times 4 \times 1.25 = 250 \text{ Sft}$ @ 70.00 P.Sft 17500/- P/F11/2"thicksolidflushdoorcomprisingof2.5minthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwoodinstylea ndrailsunderproperpressurei/cthecostofnaits.iowerbolt,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. $20 \times 31/4 \times 67/8 = 447 \text{ Sft}$	1/2"	'y1/2" (and 1.6mm	thick	with rub	ber g	jasket	i/c cos	st of H	lardw: loto ir	ares Nail							
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	1.70		uty, at	, 50,		-					Net:	æ	33	0 Sft			÷	
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Tixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply. $50 \times 4 \times 1.25 = 250 \text{ Sft}$ @ 70.00 P.Sft 17500/- P/F11/2"thicksolidflushdoorcomprisingof2.5mmthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwoodinstylea ndrailsunderproperpressurei/cthecostofnails.iowerbolt,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. $20 \times 31/4 \times 67/8 = 447 \text{ Sft}$	Pio:	vicing	and laying	24 S	WG alum	inun	1 kick	plate -	1" (100	(דורח(high,							
$50 \times 4 \times 1.25 = 250 \text{ Sft}$ $0 \text{ 70.00 P.Sft} 17500/-$ P/F11/2"thicksolidflushdoorcomprisingof2.5mmthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwoodinstylea ndrailsunderproperpressurei/cthecostofnails.iowerbolt,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft	fixed	d with	screws 4"	(100 i h.doo	mm) cent	ire lo f.con	centri omete	e, latolv										
50 x 4 x 1.25 – 250 Sit @ 70.00 P.Sft 17500/- @ 20 x 31/4 x 67/8 = 447 Sft	er (Derton:	- ai u 1145										20	n c	ft			
P/F11/2"thicksolidflushdoorcomprisingof2.5mmthickCommercialplycom pressedover2.5mmthickcommercialplyover1"thickpackingwoodinstylea ridrailsunderproperpressurei/cthecostofnails.iowerbolt,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchirigwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft			50	х	4	X	: 1.	20				=	20	00 60	0 70.00	P.Sf	it 17500/-	
pressedover2.5mmthickcommercialplyover1"thickpackingwoodinstylea ndrailsunderproperpressurei/cthecostofnails.iowerbolt,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft			hicksolidflu	shdo	orcompris	sinac	f2.5m	mthick	Como	nercia	aipiycor	n						
ndrailsunderproperpressurei/cthecostofnails.iowerbolt,handles,glue,sa wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft	P/F	11/2 1		nickco	ommercia	alplyc	over1"	hickpa	acking	wood	instylea	L						
wingcharges,Paintingcharges,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge. 20 x 3 1/4 x 6 7/8 = 447 Sft	P/F pres	11/2"tl ssedov	ver2.5mmt					a constant alter.	14 14 14 14									
$20 \times 3 \frac{1}{4} \times 6 \frac{7}{8} = 447 \text{ Sft}$	P/F pres ndra	11/2"ti ssedov ailsund	ver2.5mmti derproperpi	ressu	rei/ctheco	ostof	nails.i	owerb	olt,nar	idles.	giue,sa	a						
$20 \times 31/4 \times 67/8 = 447$ Sm	P/F pres ndra wing	11/2"tl ssedov ailsund geharg	ver2.5mmtl derproperpr ges,Paintin	ressu gchar	rei/ctheco ges,sand	ostof ipape	nails.i eringai incloci	owerb nd3/8" ar Inct	oit,nar Thickm	ndles, natchi	giue,sa rigwood	ł						
	P/F pret ndra wing enli	11/2"ti ssedov ailsund geharg ippinga	ver2.5mmt/ derproperprojes,Painting asapproved	ressu gchar landd	rei/ctheco ges,sand irectedby	ostof Ipape theE	nails.i eringai ingine	owerb nd3/8" er Inch	oit,nar 'thickm harge.	ndies, natchi	giue,sa rigwood	1		7 0	4		· .	
·	pret ndra wing enli	11/2"ti ssedov ailsund geharg ippinga	ver2.5mmti derproperpi ges,Paintin asapprovec 20	ressu gchar landd x	rei/ctheco ges,sand irectedby 3 1/4	ostof ipape theE x	nails.i eringai ingine : 6	owerb nd3/8" er Inch 7/8	oit,nar 'thickm targe.	idles, iatchi	giue,sa rigwood	: =	- 44	7 S	ft			
	P/F pres ndra wipo enli	in 1/2"ti ssedov ailsund geharg ippinga	ver2.5mmti derproperpi ges,Painting asapproved 20	ressu gchar landd x	rei/ctheco ges,sand irectedby 3 1/4	ostof ipape theE x	nails.i eringai ingine : 6	owerb nd3/8" er Inch 7/8	olt,nar Thickm harge.	ndles, natchi	giue,sa ngwood	: =	· 42	7 S	ft		· ·	
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Page 125

1 of 3 🖉 🛃

2 of 3

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		14	×	3 3/4	x	6778		To	otal.	- <u>12 .</u>	808	Sft @	502.20	P.Sft	405778/-	5%
'n	Clasico with n	anas	(160	z to 18oz) usi	no deoda	ar woodei	n fillet	s						•	۰. ۱
	Glazing with p	anes	(100.	,	, abi						400					
		30	х	3-1/4	х	5		T	otal:	= =	488 488	Sft				
												@	188.95	P. Sft	92208/-	
	Providing and	fixing	េការ	amental v	vood	len archit	rave 3" x				-					
	(1%" tapered t respect. Deol	to 1⁄4") dar wo	all a ood a	along the architrave	door :	frame co	omplete ii	n all								
												04				
		1	х	100	×	36		т	otal:	∓ 5	3600	Sft				
									-			@	97.80	P. Sft	352080/-	
-	Providing and	fixing	з Ор	enable d	oor	comprisii	ng of 3m	m thie	ck				•			
7	UPVC hollow	profile v106	e,ch mm	owkat fra both dulv	ame rrein	forced w	ith G.I bo	x fram	ne					,		
	inside the vol	id wit	h 20	mm wid	e pa	nel with g	grooves o	n both	h							
	sides i/c the	cost	of ha	ardwares, 8. directer	, hing ⊲ by	ges, four The Engl	bolt and neer loch	cuttin narde	g,							
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		40	х	2-1/2	х	7		.,	I.	=	700	Sft				-
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5	Providing and	fixing (auotc	matic hyd	irauli	c operated	d door c los	ser				Ŭ				
	imported heav	/y duty	/ com	nplete in a	ll res	pect as ap	oproved ai	nd dire	cted							
	by the Engine	erinci	naige	. .						_	10					
								٦	Total	=	10) No				
•												@	2932.00	Each	29320/-	
		e	h - A.	مر ويبديك ا	orr. th	$m_k \leq 0$ [ata die-ca	st me	al							
4	 Providing and abotomatic hy 	tixing drauiic	neav; clope	rated door	r stop	per (Con	cealed flor	or hing	e)							•
	embeded in flo	oor i/c	the c	complete	pivo in all	ht hinge,h	ardware, (as approve	outting ed and	of							
·	directed by the	e Engi	neer	Incharg		i i doptiot i										
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E	ev∈ N/4° dia h	eavv d	tutv s	lidina bolt	ofs	becified m	aterial i/c	the co	st of							
u u	hardware com	plete	in all.	respect a	s app	proved and	d directed	bу								•
2	rs theEndineer ∃	Inchar	ge.12	2° (300 mr	n) lor	<u>i</u> g										
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Page 128 [·]

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(Based on MRS 2nd Bi-Annual from 1st july 2022 to 31st Dec 2022.).

Distempering on	e coat	old surfa	CO.				
Main Bulding							
SMO Room	2 x	12	х	15		. =	360 Sft
Waitin hall	1 x	20 1/2	х	15		=	308 Sft
⊺oi;et	7 x	5	х	3 1/2		=	123 51
Levorty	3 x	15	х	7 1/2		=	338 ST
⊤oilet	2х	- 7 2/3	х	6	•	=	92 ST
Exam	2 x	7 1/2	х	9 1/2		=	143 511
Store	1 x	4 1/2	х	10		=	45 51
DB	1 x	4 1/2	х	10		=	45 51
SMO Room	1 x	·7 1/2	X	15 -		=	113 Sft
∀Vaitng hall	1 x	19 1/2	X	15		=	293 STL
	1 x	12	х	15		=	180 51
Store	1 x	7 1/2	×	7 1/2		=	55 511
Tibb	1 x	7 1/2	х	8	•	=	100 511
MO	1 x	12	x	15		=	100 SIL
Gallry	1 х	182	х	8		=	368 Sft
Mo/ Clereck	2 X	16	X	11 1/2 16		=	256 Sft
MO Social	1 X	16	X	0		=	325 Sft
Gallry	1 x	40 2/3	X	0 DA 1/4		=	394 Sft
Pharmmacy	1 x	16 1/4	x	Z4 1/++ -/		=	53 Sft
Ostore	1 X	7 172	X	0		=	68 Sft
	I X	7 1/2 1	х 	9		=	68 'Sft
Recaption	1 X	7 1/2	X	9 0 1/2		· =	72 Sft
Exam	1 X	7 4/7	X.	5 5/6		=	44 Sft
Bath	1 X	20.1/2	X	15.5/6		=	325 Sft
Doctor Room	1 X	20 1/2	x	15 5/6		=	174 Sft
	1 X	16 1/2	× v	15 5/6		=	261 Sft
Devial Series	1 X	10 112	~	24 1/2			392 Sft
Denter Serjon	' x	0.17	×	e .		-	57 Sft
Exam	1 X	· 9 4/7	X	C F		=	36 Sft
Bath	1 X	0 16	X	11 1/2		=	184 Sft
Store) X	16	X	12		=	192 Sft
Maatina Paam	1 X	16	^	14 1/2		-	232 Sft
Meeting Room	' X	05.50	х	e		-	527 Sft
Gallery	1 x	65 5/6	х	с 00		_	575 Sft
Store	·1 x	20	x	20 15 1/2		=	174 Sft
Specialict	1 X	11 2/4	X	65/6		=	80 Sft
Bath	. 1 X	192	X	, 0 0/0 		=	1456 Sft
Gallery	1 X	7 102	~	11 1/2		=	87 Sft
Bain	1 X	7 4/7	~	11 1/2		=	87 Sft
Storre	1 X	14 2/3	\hat{v}	20		=	293 Sft
Lebonery	- X - 2 V	7 2/3	v	9 2/3		=	148 Sft
Dalk Room	1 x	18	î V	20		=	360 Sft
A-Ray Room	1 x	5	x	7		=	35 Sft
	1 x	11 1/2	~	20		_	230 Sft
		20.00	X	06			413 Sft
Gevine Room	1 X	20 2/3 8	X	7.213		=	61 Sft
Store	1 1	16	~	7 2/3		=	123 Sft
Dath	· · · ·	16	Ŷ	7 2/3		· =	123 Sft
Labour Doom	1 2	15 4/7	v	20 1/6		=	314 Sft
	1 8	97	y	8		Ξ	776 Sft
(denery	1 x	65 3/8	x	8 '		Ξ	523 Sft
	2 x	44	X	8		=	704 Sft
Store	1 x	7 2/3	x	11 4/7		=	89 Sft
SMO Room	1 .	20 4/7	v	11 4/7		=	238 Sft
Bath	ź v	6 1/3	x	5 5/8		=	71 Sft
Open Room	1.	12	2	11 4/7		=	139 Sft
Stoire Holl	1 v	12	× ×	· 11 2/7		=	139 Sft
Guard Poom	- X	7 1/2	X	11 4/7		-	174 04
	- X 2	16 1/6	X	44 207		-	074 00
	4 X	40 10	X	1 · · •1/7		=	374 STL
Eye Room	+ X	10 4/7	х	15 9/9		Ξ	
Levony Block	4 X	20	Х	15 3/ð r		=	615 Sft
Bath	1U X	3 5/6 40 4/2	X	5		=	192 Stt
wedical Store	~ X	10 172	Х	-iΩ -		=	040 ST

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Page 131

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Open Room Stairs Hall Guard Room W Mo Room Eye Room Levorty Block	1 x 1 x 2 x 2 x 1 x. 2 x	2 2 2 2 2 2 2	(((((12 12 7 1/2 16 1/6 15 4/7 20	+ 11 4/7 + 11 4/7 + 11 4/7 + 11 4/7 + 11 4/7 + 11 4/7 + 15 3/8) 11 1/2 =) 7 1/2 =	542 Sft 542 Sft 878 Sft 1276 Sft 625 Sft 1061 Sft
Bath Medical Store	10 x 2 x	2 2	((3 5/6 10 1/2	+ 5 + 40) 7 1/2 =) 11 1/2 =	1325 Sft 2323 Sft
Mail /Female	2 x	2	(62 1/6	+ 40) 11 1/2 =	4699 Sft
PVT Room Bath Guard Room Bath	2 x 4 x 2 x 2 x 2 x	2 2 2 2 2	((((10 1/4 5 9 3/4 5 9 3/4	+ 15 1/4 + 7 1/4 + 19 1/4 + 6 + 20 4/7) 11 1/2 =) 7 1/2 =) 11 1/2 =) 7 1/2 =) 11 1/2 =	1173 Sft 735 Sft 1334 Sft 330 Sft 1395 Sft
Hall Gaurd Room Bath Senior Nurs	1 x 2 x 1 x 1 x 1 x	2 2 2 2 2	(((20 10 1/4 10 1/4 10 1/4	+ 15 3/4 + 10 + 5 + 15 5/6) 11 1/2 =) 11 1/2 =) 7 1/2 =) 11 1/2 =	822 Sft 932 Sft 229 Sft 600 Sft
Guard Room Bath Visitor Room Main Store	1 x 1 x 1 x 2 x 1 x	2 2 2 2 2	((((7 1/6 7 1/6 12 2/3 10 1/6 10 1/4	+ 10 + 4 1/2 + 15 5/6 + 15 5/6 + 7 3/4) 11 1/2 =) 7 1/2 =) 11 1/2 =) 11 1/2 =) 11 1/2 =	395 Sft 175 Sft 655 Sft 1196 Sft 414 Sft
Meeting+Den giee Room	1 x 2 x	2 2	(10 1/4 20 3/4	+ 7 1/3 + 15 3/4) 11 1/2 =) 11 1/2 =	404 Sft 1679 Sft
Gellery	2 x 1 x 1 x	2 2 2	(((62 94 1/2 218	+ 8 + 8 + 8) 7 1/2 =) 7 1/2 =) 7 1/2 =	2100 Sft 1538 Sft 3390 Sft
Emergency/T	ramma	Center	•		10.11		1000 04
	2 x 1 x 1 x	2 2 2	(((9 5/8 10 13	+ 19 1/4 + 19 1/4 + 19 1/4) 11 1/2 =) 11 1/2 =) 11 1/2 =	1328 Sπ 673 Sft 742 Sft
	2 x 1 x 1 x	2 2 2	(((19 1/4 10 123 12	+ 20 + 14 + 8) $11 1/2 =$) $11 1/2 =$) $11 1/2 =$) $11 1/2 =$	552 Sft 3013 Sft 736 Sft
	1 x 1 x 1 x 1 x	2 2 2 2	(17 3/4 16 20	+ 91/2 + 19 + 19 + 19) 11 1/2 =) 11 1/2 =) 11 1/2 =) 11 1/2 =	627 Sft 805 Sft 897 Sft
	1 x 1 x 1 x 1 x	2 2 2	(10 6 14	+ 12 + 12 + 12) 11 1/2 =) 11 1/2 =) 11 1/2 =	506 Sft 414 Sft 598 Sft
	1 x 1 x 1 x	2 2 2	(((4 3/4 8 16 6 2/4	+ 6 + 6 + 19) 6 =) 11 1/2 =) 11 1/2 =) 11 1/2 =	129 Sft 322 Sft 805 Sft 351 Sft
	1 x 1 x 1 x 2	2 2 2	(((6 3/4 20 6	+ 0 1/2 + 20 + 10 + 13 1/2) 11 1/2 =) 11 1/2 =) 11 1/2 =	920 Sft 368 Sft 1300 Sft
	2 x 1 x 1 x 1 x	2 .2 .2	(10 10 16 10	+ 33/4 + 8 + 33/4) 11 1/2 =) 11 1/2 =) 11 1/2 =	431 Sft 552 Sft 431 Sft
	2 x 1 x 1 x	2 2 2	(16 12 16	+ 19 + 15 + 19) 11 1/2 =) 11 1/2 =) 11 1/2 =	1610 Sft 621 Sft 805 Sft
·	. 1 x 1 x 1 x	2 2 2	(10 1/4 4 1/2 24	+ 93/8 + 45/8 + 8) 11 1/2 =) 6 =) 7 1/2 =	451 Sft 110 Sft 480 Sft
Children War	d	~		0 50	. 40	\	
	7 x 1 x 1 x 1 x . 1 x 1 x 2 x	2 2 2 2 2 2 2 2		9 5/8 9 1/4 9 5/8 9 5/8 40 3/4 12	+ 18 + 18 + 9 1/4 + 8 3/8 + 15 1/4 + 10 5/8) 11 1/2 =) 11 1/2 =) 11 1/2 =) 11 1/2 =) 11 1/2 = 4) 11 1/2 = 3) 11 1/2 =	635 Sft 627 Sft 434 Sft 414 Sft 1288 Sft 1041 Sft
•	1 x 1 x -2 x 1 x	2 2 2 2	(((5 10 30 19 1/4	+ 4 + 22 + 18 + 91/4) 6 =) 11 1/2 =) 11 1/2 =) 11 1/2 =	108 Sft 736 Sft 2208 Sft 656 Sft

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		1	x	2	(10	+ 1	2) 11 1/2 =	= · :	506 Sft			2
	Childern Ward	Firs	t Fl	oor	,	20.	. 1	8) 11 1/2 :	= 2	208 Sft			,
Y.	. ·	2 1 1 1 1 1 1 1 1 1	× × × × × × × × × × × × × × × × × × ×	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		30 40 3/4 10 9 5/8 9 1/4 9 5/8 9 5/8 10 10 20	+ + 1 + 1 + + + + + + + + + + + + + + +	o 5 1/4 2 8 8 9 1/4 8 3/8 8 2 2 8) 11 1/2) 11 1/2 Total:	= 1 = 1 = = = = = = = 116	200 Sft 288 Sft 506 Sft 635 Sft 627 Sft 434 Sft 414 Sft 414 Sft 506 Sft 644 Sft 387 Sft			
	Take 40% scra	ping.			=	116387	x	40%		= 46	555 Sft	704.00	0/ Cft	354701/
·)	Oroporing curfs	re a	nd i	nainting	with	n emulsio	n pair	nt 2-ce	pats		Q	761.90	% Sit	5547017-
.)	rrepanny suna	ice a	nu	panting	1110	r entraiore	, poin							1
C C	D/d Take 5% o	peni	ng =	46555	5 x	5%	6		Net:-	= 46 = <u>2</u> = 44	2328 Sft 1227 Sft			
											Ø	2034 65	% Sft	899865/-
14	Preparing surfa old surface 2-c	ace a oats	and	painting	j to c	door and v	windd	ws ar	ny type on					٢
×		6	x	2	Х	4	x	7	Total:	н н	336 Sft 336 Sft @	1667.45	% Sft	5603/-
5	Painting sashe	s far	n lig	ht 2 coa	ats o	ld surface	2							
¢.		8 88 18 36 4	x x x x x	2 3 2 2 34	X X X X X	6 4 8 2	x x x x	8.5 5 8.5 4	x 1.5 Total:	= = = = = = 1	816 Sft 5280 Sft 1440 Sft 4896 Sft 1632 Sft 4064 Sft			
<i>i</i>	() (A)	- 11		نماط معن	at af	00000000	1	lity or	external		@	1014.00	% Sft	142609/-
6	P/Applying we surface of built	ding	old	surface	an oi e	арргоуес		inty Of	·					
	Hmegance Block	1 2 2	x x x	220 148-1/2 -78-3/4	x 2 x x	16 16 16				H H H	3520 Sft 4752 Sft 2520 Sft			
	OPD	2 2	x x	123 77	X X	14 14			Total:	= = = 1	3444 Sit 2156 Sft 9393 Sft			9 - ,:
	D/d Take 5% (open	ing	4000	2	~	07			_	070 04			;
С	• .		=	1939 ,	13 X	5	70		Net:-	- - 1	<u>970 Sit</u> 8423 Sft @	1925.45	% Sft	354732/-
													Total:	1998600/-
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С		·							Net:-	÷ -	10252 Sft @	3188.35	% Sft	326882/-
9	Reinforced c lintels,girder laid in positic respect. Typ	emer and o on or e 'C' i	nt co othe pres nom	ncrete r struct tressed inal mi	in roo ural r d mer x (1:2	of slab, b nembers nbers cs ::4).	eam Iaid t in s	s, columr in situ or situ comp	ns, precast lete in all		·			
	Beam	8	x	22	x	1	x	1.5		=	264 Cft			: 1.
		2	x	10	x	2	х	0 375	Total:		<u>15 Cπ</u> 279 S it			: · · ·
10	Fabrication of laying in posit labour charge bars). Deform	i M.S. ion m es for l ned ba	reint aking bindi irs.	forceme g joints ng of st	nt for and fa eel rei	cement c istening i/ inforceme	concre c cos ant (i	ete i/c cutti t of bindin /c removal	ng, bending, g wire and of rust from		@	. 556.50	Ρ.Οπ	155264/-
				279	x	6.75	х	0.454	Ň	=	855 Kgs			4 4 9
											@	31396.55	% Kg	268439/-
711	Drilling hole depth.	s in s	tone	e or brid	:k ma	sonry up	oto 2'	' (50 mm)	idia, per inc	h (25	imm)			• • •
									TOTAL	=	150 Nos			; ,
			t.								Ø	127.00	P Hole	: 19050/-
n (2	Providing an strip on hori ceilings and complete in	nd fix izonta i floor all re	ing f al an is et	1/8" (3 - d vertic c., inclu	rain) i cal ex ₄ding	hick 3" (pànsion cost of c	75 n joint dips/	im) wide : s in walls screws et	aluminium , columns, :c., TOTAL	. =	120 Rft			
									TOTAL					170701
15	Diamontling	brick	<	rk in lir	ne or	cement	mort	ar			@	147.30	P.Kft	1/6/6/-
CI	Dismanting	j Drici	(wọ			·						a.		
		8	x x	14 2	X (1-1/8 3-3/4	x · x	12 0.375) 10	=	1512 Cft <u>56 Cft</u>			
		· _	~	-	,				Total:	=	1568 Cft の	4317.45	% Cft	67698/-
٦6	Pacca brick	k worł	< in:	.∹.Cem⊧	ent, s	and mor	tar: -	Ratio 1:6	in G/F				,	
		50	x	6	x	1-1/8	x	1.5		=	506 Cft		*	
		2	х	10	x	3/4	Х	2.5	Total:	=	<u>38 Cft</u> 544 Cft	• .		i .
											0	30793.35	% Cft	167516/-
<i>(</i> ન											. · ·		Total:	1418589 4554570/
									MI (a)	9	·		Say Rs.	р 4554600/~ 141 8600 -
		1						~	HAN					
	·	A	Ð	<u>, </u>	l		S UILE	U B DIVIS DINGS SUB	DIVISION,	CER Shor	КОТ			
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CREDIT OF OLD MATERIAL).



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Page 142

INTERNAL SANITARY WORK

Based on MRS 2nd Bi-Annual from1st July 2022 to 31st Dec 2022

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

			13 -	No.	@	19987.90	Each	259843/-
	2	Providing and fitting white "loset, squartter type, wit	e glazed h separa	earthen ware water ate foot rest				- - - -
			.37 -	No.	@	4723.25	Each	174760/-
	3	Providing and fitting glaze /vanity_56x40 cm (22"x10 pipe and_waste coupling	ed earth 6") inclu , etc, - c	en ware wash hand basin ding bracket set, waste oloured, with pedestal				• .
		· .	10 -	No	@	4329.95	Each	43300/-
	4	Providing and fitting glaz /vanity_56x40 cm (22"x1 pipe and_waste coupling Basin_coloured,	ed earth 6") Inclu J. etc, 10	en ware wash hand basin ding bracket set, waste nder Counter Vanity				· · · · · ·
		. •	12 -	No.	@`	7329.95	' Each	87959/-
	ç	Providing and fitting plas astern 1363 htre (3 galle set, rubber connection	tic made ons) ca⊨ , etc. co	e low down flushing bacity, including bracket mplete, Porta turk plast	, ,			
		۰ ۲	37 -	No.	@	9600.00	Each	355200/-
	6	Providing and fixing look length and 2 ft height, si quality imported fixed on	ting glas ze, and Evanity d	s 55x40 cm 3 ft to 8 ft 5 mm thick, first counter.				:
ì			20 -	Nc.	@	2600.00	Each	52000/-
	7	P/F C.P bib cock 3/4" dia	а	J				· .
			55 ÷	No.	@	1015.00	Each	55825/-
	દ	P/F C.P tee stop cock 1/	/2" dia	•				
			94 -	No.	@	955.00	Each	89770/-
,		Providing and fixing chro	շտար ը	lated shower rose-				
	•	3/4" x6"	8 -	No.	. @	1195.00	Each	9560/-
	10	Providing and fixing, chr wash hand basin, sink d	omium (or showe	plated mixing valve, for er.	•			
			22 -	No.	@	2228.75	Each	49033/-
	12	P/F "P" trap 4" dia glaze	d					
			38 -	No	.@	283.15	Each	10760/-

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2 of 2 🔇

13 P/L cutting, jointing, testing and disinfecting G.L pipeline in trenches with socket joints using G.L piperof BSS 1387/1967 complete in all respect with specials and valves. (Medium Quality).

2" dia 60 mm 150 x 1 = 150 Rft
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 41/SN-4)

4" dia 110 mm	20 x	23	Ξ	460	Rft
2" dia 60 mm	25 x	16	1	400	Rft

Providing, laying, testing and commissioning of POLYPROPYLENE_RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/Bela or equivalent) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge (Internal/External Diameters mentioned). PN-16 pipe

11 10 0.00

(3/4") 25 mm	14 x	32	=	448	Rft	
(1") 32 mm	26 x	23 -	=	598	Rft	

16 Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket. One soap dish, One double hook, One towel ring, orush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge, complete i to vii items

No. 5 -

D/d cost of Old Material

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SUB DIVISIONAL OFFICER BUILDINGS SUB DIVISION, SHORKOT

0	660.00	Rft	99000/-
		•	r.
@	217.25	Rft	99935/-
@	88.45	Rft	35380/-
			、 、

@	57.95	Rft	25962/-
0	93.65	Rft	56003/-
		•	

@

38000/-7600.00 Each Total: 1542289/-50000/-Total: Total: 1492289/-1492000/-Say Rs.



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	_	ELECTRI	CFICAT		ERNAL AI		ER WIRING		
-	S/E of AC electric ceill other approved by the	ling fans 56' sweep e enginder incharge	pak/ a:	sia/royal	or any				
		10 - Nos				@	6500.00	Each	65000/-
	Erection of ceiling fan carriage from local Ra electric wire/cable for and cutting, threading	alongwith regulato ailway Station/Store suspension rod an j on the rod, where	r (all siz to site d board necess	zes), incl of work, I connec ary.	uding tion,				
		10 - Nos				@	462.50	Each	4625/-
	S/E of bracket fans 24	4 " size SK , Asia, ⊧	iak Far	ns or any	other			·	
	approved.	10 - Nos				@	9500.00	Each	95000/-
1-	Providing and fixing C and shutter made of F necessary cable and rose complete as app Steel Body 18	Copper winded Exh Pak/Younas/G.F.C. hardware for conn proved and directed	aust far i/c the ection f I by Eng	n with lou cost of from ceil gineer Ir	uver ing ncharge				
		6 - Nos				@ `	4453.00	Each	26718/-
	Plastic Body 12 "	6 - Nos				@	3133.00	Each	18798/-
5-	P/F PVC double laye switch holes i/c the ic	er Switch kit Face pl cost of switches / so benider, screws, co	ate with ockets / molete	n specifie / dimmer as appr	ed made oved				
	and directed by the E	Engineer Incharge	,						
	and directed by the E Large 4 gang	Engineer Incharge	,			@	802.50	Each	72225/
	Large 5 gang	90 - Nos 120 - Nos	, , ,			@ @	802.50 946.50	Each Each	72225/ 113580/
	and directed by the E Large 4 gang Large 5 gang Large 6 gang	90 - Nos 120 - Nos 95 - Nos				@ @	802.50 946.50 1162.50	Each Each Each	72225/ 113580/ 110438/
	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu	90 - Nos 120 - Nos 95 - Nos 95 - Nos				@ @	802.50 946.50 1162.50	Each Each Each	72225/ 113580/ 110438/
	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu	90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos				0	802.50 946.50 1162.50 754.50	Each Each Each Each	72225/ 113580/ 110438/ 117702/
	or Hi-Lire / Bush / Sci and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu	90 - Nos 90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box I/c th ed and directed by	ie cost the Eng	of screw gineer In	s charge	@ @	802.50 946.50 1162.50 754.50	Each Each Each Each	72225/ 113580/ 110438/ 117702/
.)	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu r ^{-//} F PVC concealed 5 complete as approve Small	90 - Nos 90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box i/c th ed and directed by 50 - Nos	le cost the Eng	of screw gineor In	s charge	@ @ @	802.50 946.50 1162.50 754.50 134.10	Each Each Each Each Each	72225/ 113580/ 110438/ 117702/
	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu -//F PVC concealed 3 complete as approve Small Large	90 - Nos 90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box I/c th ed and directed by 50 - Nos 170 - Nos	e cost the Eng	of screw gineer In	s charge	000000000000000000000000000000000000000	802.50 946.50 1162.50 754.50 134.10 158.10	Each Each Each Each Each	72225/- 113580/ 110438/ 117702/ 6705/ 26877/
5-	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu r//F PVC concealed 3 complete as approve Small Large Supply and erection 38.3 & including insp jnarries. 38.5and rep specials	90 - Nos 90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box i/c th ed and directed by 50 - Nos 170 - Nos of PVC pipe for wir pection boxes, pull I pairing surface, etc.	ing rec boxes, l , compl	of screw gineer In essed in hooks, c ete with	s charge walls, utting all	000000000000000000000000000000000000000	802.50 946.50 1162.50 754.50 134.10 158.10	Each Each Each Each Each	72225/ 113580/ 110438/ 117702/
8-	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu r//F PVC concealed 4 complete as approve Small Large Supply and erection 38.3 & including insp jnarries. 38.5and rep specials	90 - Nos 120 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box i/c th ed and directed by 50 - Nos 170 - Nos of PVC pipe for wir pection boxes, pull I pairing surface, etc.	ing rect the Eng ing rect poxes, I , compl	of screw gineer In essed in hooks, c lete with 2000	s charge walls, utting all Rft	000000000000000000000000000000000000000	802.50 946.50 1162.50 754.50 134.10 158.10	Each Each Each Each Each	72225/ 113580/ 110438/ 117702/
÷	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu r//F PVC concealed complete as approve Small Large Supply and erection 38.3 & including insp jnarries. 38.5and rep specials 25 MM 50 MM	90 - Nos 90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box I/c th ed and directed by 50 - Nos 170 - Nos of PVC pipe for wir pection boxes, pull I bairing surface, etc.	ie cost the Eng ing reci coxes, I , compl = 	of screw gineer In essed in hooks, c ete with 2000 1500	s charge walls, utting all Rft Rft	@ @ @	802.50 946.50 1162.50 754.50 134.10 158.10 94.60 183.45	Each Each Each Each Each Each	72225/ 113580/ 110438/ 117702/
	and directed by the E Large 4 gang Large 5 gang Large 6 gang Three Pin Power Plu r//F PVC concealed complete as approvi Small Large Supply and erection 38.3 & including insp jnarries. 38.5and rep specials 25 MM 50 MM	90 - Nos 90 - Nos 120 - Nos 95 - Nos 95 - Nos 156 - Nos Switch kit Box I/C th ed and directed by 50 - Nos 170 - Nos of PVC pipe for wir bection boxes, pull I bairing surface, etc.	ing reco ing reco boxes, I , compl	of screw gineer In essed in hooks, c ete with 2000 1500	s charge walls, utting ali Rft Rft		802.50 946.50 1162.50 754.50 134.10 158.10 94.60 183.45	Each Each Each Each Each Each Rft	72225/ 113580/ 110438/ 117702/

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			M	Han)		Sau Pe	12648000
				~	,	Net To	iotal:	12835654/-
	, D/d cost et old	Ma	tenal				Totel	2000004/- 200000/-
	16" X4"		100	Rft	.@	1276.85	Each	127685/- 12.848154
	· ·		100	D4		1076.95	Frank	107686/
	and MS patti of 1-1/2"x3/16" size @ 3 ft C/C hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge, 14 SWG 12" X 4"	, r						
	flange fabricated with perforated G L Sheet of specified guage size and gepth duly supported on painted brackets of MS apple iron of 1-1/2"v1-1/2"v3/16"	-			~			•
₹ <u>~</u>	 Charge Single Arm (i) 10 mtr height Providing and fixing cable tray with straight 	ht	300	Rft	Ø	1090.65	Each	327195/-
<u>Á</u>	enerpor4notriangularstiffeners100xet02x20 mmofGIsheet,withbuiltinjunctionboxwithsh utter.i/othecostofnuts&J- ragbolts,dulyfixedinprelaidconcretefounda on,foundationwill be paid additionally as approved and directed by the Engineer In	ļ						
	e,madeofhotdipped4.5mmthick(7SWG)gai vanizedsteel,tapperedfrom225mmafbotter to100mmattop,with1500mmx60mmx4mmt hickdia.armforluminaireinstallation,dulyG1 weldadwith470x470x20mmbaseplatewitht	יי יח וז						
19	Supplying, installationtestingandcommissio	р. [.]	5	Each.	@	, 106229.90 _.	Each	531150/-
13	Farthing of Distribution boards Degital Display Counter		4 2	No No	@	90000.00 500000.00	Each Each	360000/- 1000000/-
12	Low voltage switch gear complete in all respect as approved by the enginner incharge.	•	1	Νο	@	3646700.00	Each	3646700/-
	120 mm sq 4-core (37/0.083)	÷	75	Mtr	@	15448.55	Mtr	1158641/-
	95 mm sq 4-core (37/0.072)	n	100	Mtr	@	12298.00	Mtr	1229800/-
4	25 mm sq. 4-core(19/0.062)	-2	300	Mtr	0	4397.50	Mtr	1319250/-
ì,	16 mm sq 4-core (7/0.064)	÷	300	Mtr	0	2676.80	Mtr	803040/-
11	PVC insulated, PVC sheathed 4 core, 600/ armoured cable:-	100)0 volt non					
	7/1.63 mm (7/0.064")	2	1000	кц	Q	175.50	T (T	
	?'1 12 mm (7/0 044'')	3	3000	Rft	Q	75.10	КЦ Р#	175500/-
	7/0.74 mm (7/0.029")	=:	5000	Rft	@	40.75	RIL	203730/
	3/0.74 mm (3/0.029")	Ξ	8000	Rft	@	25.70	Rft	205600/-
10	Supply and erection of single core PVC insi- conductor cables, in prelaid PVC pipe/M.S. pipe/wooden strip batten/wooden casing ar- wire/trenches (rate for cables only):-	ulai co 1 ca	ed copper nduit/G.I apping/G.I.					

SUB MIVISIONAL OFFICER BUILDINGS SUB DIVISION, SHORKOT Ġ

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ROUGH COST ESTIMATE FOR THE WORK" RE-VAMPING OF ALL D.H.Q / 15 T.H.Q HOSPITALS IN PUNJAB ONE AT THQ SHORKOT DISTRICT JHANG ADP # 660 FOR THE YEAR 2021-2122

ELECTRICFICATION INTERNAL AND POWER WIRING

Low voltage switch gear system complete in all respect. 1

l	Jop (@	3646715	Each ·	3646715/-
			Total:	3646715/-
ı			Say R	3646700/-

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3646700/-

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ANALYSYIS OF GATE AND GATE PILLER. Excavation in foundation of buildings and other sturcture I/c 1. dagbelling dressing relilling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft (in ordinary soil) 95 Cft 3 3 174 3 1/4 х Pollor 3 X v 36 Cft 2 х Between pillar 12 Х $1 \frac{1}{2}$ 1 х 11 Cft 2 1 1/2 Х 3 1/2 1 Ś Х 142 Cft Total = %oCft 1516 a 10677.75 Cement concrete brick or stone ballast 11/2" to 2" gauge in foundation and plinth (1:6:12). 16 Cft 3 1/4 х 1/2 3.174 i Har 3 . 8 × 9 Cfi 1 1/2 х 1/2 12X 1 Х 3 Cft 1/2 3 1/2 1 1/2 Х ţ Х Х 28 Cft Total = a 21119.65 % Cft 5914 Pacca brick work in Foundation & Plinth in cement sand mortar (1:6) 3. 41 Cft 1 1/8 3 12 х 1 х 12 Cft 3 11/8 3 1/2 х 53 Cft Total 15163 Ø % Cft 28609.55 P/L 11/2" thick DPC of cement concrete 1:2:4 using cement sand 4 shingle i/c 2 coats of bitumen 14 Sft 1 1/8 12 х 1 4 Sft 1 1/8 3 1/2 х 18 Sft Total = (a) 8444.45 % Sft 1520 Pacca brick work in cement sand mortar other than building ratio (1:4) 13 66 Cft 378 2.1/4 Х 3 X 2 11 44 Cft 3/8 13 1.472 х 3 Х х 110 Cft Total = 34502 a) 31365.10 % Cli RCC in Raft/strip foundation laid in site or pre-cast laid in position pre-6. stressed members cast in situ complete in all respect Type 'C' Nominal mix: 1:2:4 28 Cft 3 172 3/4 3 3312 Х .5 14 Cft 2 1/2 3/4 2 1/2 3 X X х 88 Cfi 13 1 1/2 3 1 1/2 x х 130 Cft Total = ΡCſi 57,948 Ø 445.75

Page 153

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Fabrication of mild steel reinforcement for cement concrète i/c patting, bending, laying in position making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), Deformed bar.

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Qty as item above =	130	х	6.75	х	0.4536	-	398 Kg			
							ʻ@	31 396.55	%Kg	124958
roviding & fitting M.S gate	e comprsi	ng of Muze	main ou	iter f	rame of	box box				
(pc) double angle from 2 p (pc) double angle from 2 (olished bars (arrows) of 3/4)	1-172" X 1-1 7 saqure @	.72‴X }4‴ ¢,	174 ¹⁹ wi 70 with T	th v ops. (ertical 4 ¹¹ dia. ci	M.S rcle				
f 1/2"X1/4" M S patti. 4" s ertcial M.S polished bars	wide mesh of 172 ¹¹ M	i of 3 I.S _. si	1/8" M.S aqure ba	saqu rs wi	ire bars th hook	and s in				
ower portion (@3" c/c along the center of each leaf pai	gwith the c nting chai	rges,	hold fas	as pe at as	r drawin approve	gat d&				
freeten by the Engineer m-e	ana go.									<u>.</u>
	1	x	12	x	7	=	84 Sfi		,	
	ļ	Х	3 1/2	х	7	. =	25 Sft			
					Tota	1 =		3200.00	P Sfi	348800
Preparing surface and paint surface 3-coats	ing to doo)r & '	window	any 1	lype on	new	, .			
							212 66			î
Qty as	ritem aboy	·C =	109	х	2	=	218 SI	7714.80	06 S Ĥ	. 5918
							(U)	2714.00		
	,								Total: -	596238
					•		-		Say: -	596200
	\frown						~ 1	1		
	Ú							-m		1.

Executive impineer, Blildings Division Jhang

Sub Divisional Officer,

Buildings Sub Division Shorkot

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Providingandlaying 3/4" thickfull width Prepolished Marbleslab for Vanit ics/Shelves/Treads/WindowCills, havingUniformtexture(Spotless) wit hadhesivebondover 3/4" thick(1:2) cements and mortori/cthecost of match ingsealer complete in all respects as approved and directed by the Engineer Incharge. China Verona

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3 1/2 140 Sft ζÔ 140 Sft Total = 412.35 PSft 57729 a Total: -274605 274600 Say: -

Engineer, Executiv Division Jhang

Sub Divisional Officer,

Buildings Sub Division Shorkot

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PENSARY & RECEPTION COUNTER DEFAIL





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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

Rel., D/FM/449923/14107/R Safar 12, 1444AH September 09, 2022

THE EXECUTIVE ENGINEER.

C&W SHORKOT <u>Pakistan.</u>

QUOTATION FOR LOW VOLTAGE SWITCHGEAR. THQ HOSPITAL, SHORKOT-PAKISTAN.

Subject: Project:

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 revised offer accordingly as under.

The S	ummary Of Our Offer Is as Under.		
Sr	Description of Equipment's.		Amount
01	LOW VOLTAGE SWITCHGEAR:		3,646,714.60
	Complete in all aspect as per your Requirements.	Del De	2 646 744 60
	Total Amount Of Offer:	Pak Ks.	3,040,714.00
Pox	Rupees: Three Million Six Hundred Forty-Six Thousand Seven Hundr	ed Fourteen-	Only

This offer is based on the following Terms and Conditions:

- The prices Ex-works duly Packed for inland transportation. \mathcal{A}
- 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. 4
- The equipment will be under complete Guarantee/Warrantee for the period of one year.
- The prices are valid for 2 weeks afterwards subject to the reconfirmation.
- The components offered are subject to the availability otherwise approved equivalent. \sim
- The standard and latest amended Force Majored clause will be fully applicable throughout the contract. ÷
- The offer is based on the present duties/Faxes 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 345-400-9982

Engr. Ahmed Fawad Manager Marketing 0345-400-9981

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PEMPAK

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<u>Page: 1/1.</u> <u>Quojajion for L.V Switchgear.</u> <u>M/s. The Executive Engineer.</u> <u>Ref. D/FM/449923/14107 Dated 30-08-22</u>

Sr.#	Description of Each Equipment	Quantity	Rate	Amount
L.V SV	VITCHGEAR			
01	MAIN LT PANEL Complete in all aspect as per your Requirements.	01 Nos.	1,620,667.60	1,620,667.60
02	400A SUB MAIN PANEL BOARD-(OPD HALL)-Normal Complete in all aspect as per your Requirements.	01 Nos.	187,204.80	187,204.80
03	100A-DISTRIBUTION BOARD (PDB) Complete in all aspect as per your Requirements.	02 Nos.	104,596.15	209,192.30
04	250A SUB MAIN PANEL BOARD-(OPD HALL)- Emergency Complete in all aspect as per your Requirements.	01 Nos.	171,965.20	171,965.20
05	60A-DISTRIBUTION BOARD (LDB) Complete in all aspect as per your Requirements.	02 Nos.	105,732.35	211,464.70
06	400A SUB MAIN PANEL BOARD-(Gynae+OPD)- Normal Complete in all aspect as per your Requirements	01 Nos.	210,072.80	210,072.80
07	100A-DISTRIBUTION BOARD (PDB) Complete in all aspect as per your Requirements	Ò4 Nos.	104,596.15	418,384.60
08	250A SUB MAIN PANEL BOARD-(Gynae+OPD)- Emergency Complete in all aspect as per your Requirements.	01 Nos.	194,833.20	194,833.20
09	60A-DISTRIBUTION BOARD (LDB) Complete in all aspect as per your Requirements.	04 Nos.	105,732.35	422,929.40
	Total Amount of Offer (Excl	udina GST):	Pak Rs.	3.646.714.60

SCHEDULE OF PRICES FOR LOW VOLTAGE SWITCHGEAR.

Total Amount of Offer All Items (Excluding GST): Pak Rs. 3,646,714.60

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

Engr. Ahmed Fawad Manager Marketing 0345-400-9981

Sub Divisional Officer, Buildings Sub Division

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Page 166



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Page 170

						I	L.,	
		DESIGN OF ELECTRIC PANEL ANI Provision/last	<u>D POWER CABLE FOR THO HOSPITAL</u>	-SHORKOT				
51.4		Description Of Elect	rical Equipment .		Qty:	Unit	Rato	Amount
A"	ᄂ	T. (LV) SUB-STATION EQUIPMENT :	·······			I	I	
1 Del	Su	oply, installation, testing, commissioning of 800A L.T.PA	NEL with Incoming From 400KVA Transfo	unner-1 , with			[1
	Ins	sturement Protection Fuse, including 600A. Main copper bus	s bar Suitable For Each Phase/Netural & link	as per above				
	ou	Igoing circuit breaker, installed in cubicats assembled with Si	IEMENS, PEMPAK, PEL make, of 14 SWG m	ild steel sheet				
	fat	pricated, Inddor Type, Floor Mounting, Insulation class 600VA	C, incoming/Outgoing connection Top or Bolt	om as per site				
	1.00	durement, boot to body teach with historie copper cable, sy	vier coating of 70-100 micron thickness in an	proved colour				
	wit	in hinged door, lockable handle, all live part coverd with sa	ity sheet, internal control & power wiring from	n protection &				
	po	wer, including cost of all necessary materials complete in all	I respecturent Transformer All above MCCB:	MCBs, Make				
	in	Terasaki Japan/Logarand Eu.shall be installed inside the pa	anel having a further M.S. protective sheet a	nd accessible	ľ		l I	
	on	ly by opening the front door. All MCCBs shall be rated at 500	C, and shall be of one make only and not to b	e mixture.		<u> </u>	ļ	
	1				—			
	╀┯	800A FP MCCB 36KA	Terasaki Japan/Legrand/Schneider	01 No.				
	12	Digital Voltmeter 0-600	Entes/Camsco/Eqv	01 No.				
	13	Volt Selector Switch	GGT/Camsco/Eqv	01 No.			<u> </u>	
	+ 3	Ampere Selector Switch	GGT/Camsco/Eqv	01 No.				
	6	Current Transformer (800/5A)	Matetx/Fico/Eqv	03 Nos.				
	Ļ	Indication Lights (R+Y+B)	Himet/Schneider/Egy	03 Nos.	├		<u> </u>	}
	┼≞	OUTGOING	I TOTAZAN PAPAN/LOGRANO/SCHILOIO					
	Īī	150A TP MCCB 25KA		01 No.				
	12	250A TP MCCB 25KA	Terasaki Japan/Logrand/Schneider	01 No.	<u> </u>	 -	 	<u>⊦</u>
••	+3	400A LOAD BREAK SWITCH		U2 N03		Ł		····-·
	ti	400A TP LOAD BREAK SWITCH (LISS)	Socomec/Telergon/Eqv.	01 No,				
2.00	1	Supply, installation, testing, commissioning of 800A Manua	I Change-Over , Incoming From 400KVA Tra	nsformer-2 &				
		200KVA Generator, Insturement Protection Fuse, including	g BODA Main Copper Bus Bar Suitable For Ear	ch Phase				
		Instantial & link as per above outgoing circuit breaker, instal	Floor Mounting, Insulation class 600VAC, Inc.	IPAK,PEL				
	1	(Outgoing connection 1 op er Bottom as per site requiremen	t, door to body Earth with flexibile copper cab	lo, system		1		
		voltage 415VAC, 50HZ, J-Ht aso 4-Wire, degreased and de	erusted, zinc phosphatod, finished with electro	o-static				
	L	powder coating of 70-100 micron thickness in approved col	lour with hinged door, lockable handle, all live	part coverd				
	L	with safiy sheet, internal control 5 power wring from protect	tion & power., including cost of all necessary r MCBs. Make in Terasaki, Japand ecorand Eu	natorials (shall be				
	L	installed inside the panel having a further MS, protective sh	heot and accessible only by opening the front	door, All]
		MCCBs shall be rated at 50oC and shall be of one make o	nly and not to be mixture,					
		800A Manual Change-Over		·				
	┝	INCOMING FROM 400KVA TRANSFORMER-2	Teresaki/Schaeider/Fay	01.No				
	2	Digital Ampero Metor	Entes/Camsco/Eqv	01 No.				
	3	Ampare Selector Switch	GGT/Camsco/Eqv	01 No.				
	1-	Digital Volt Mater 0~600V	Entes/Camsco/Equ	05 Nos.		<u> </u>	 	
	6	Current Transformer 800/5A	Meteb/Fico/Eqv	03 Nos		<u> </u>		
	7	Indication Lights (R+Y+i3)	Himal/Schneider/Egy	03 Nos.				
	L.	6A Control MCB for Protection	Terasaki/Schneider/Eqv.	03 Nos.			<u> </u>	
	ļ÷	Mechanical Interfecting System	РЕМРАК	1 01 100				
	17	400A 1P MCCB 36KA	Terasaki Japan/Logrand/Schneider	01 No.				
	2	Power Volimeter 0~600 V	Entes/Camsco/Eqv	01 No.				
	년	Volt Selector Switch	GGT/Camsco/Eqv	01 No.		T	ļ	
	4	Power Ampere Meter 0~400A	Entes/Camsco/Eqv	01 No.				
	6	Current Transformer 400/5A	Metetx/Fice/Eav	01 No.				
	7	Phase Indication Lights (R+Y+B)	Hime#Schneider/Eqv	03 Nos.				
	┞╴	6A Centrel Fuse 6kA for Protection	Terasaki Japan/Legrand/Schneider	05 Nos.			<u> </u>	
	$+\tau$	250A TP MCCB 25KA	Terasaki Japan Annand/Schoeider	02 Nos.				
	12	180A TP MCCB 25KA	Terasaki Japan/Logrand/Schnoider	01 No.	1	Each.		
(11)	Su	pply, installation, testing, commissioning of SUB MAIN PAN	VEL BOARD-(OPD HALL) with incoming 400	A TP MCCB.				
	Ins	turement Protection & outgoing circuit breaker, including	400A Main copper bus bar Suitable Siz	e; For Each				
	Ph	ase/Notural & link as per outgoing circuit breaker, installed in 15 ENIC mited steel sheet formand index ince Starright	n cubicals assembled with SIEMENS, PEMPA	K,PEL make.				
	01	To SvvG miled steel sheet moncated, indeer Type, Floervv anaction Top or Bottom as ner site requirement, dear to body	all Mounting, insulation class 600VAC, income Earth with flaxibile conner cable, system volt	ace 415VAC				
	50	HZ, 3-Phase 4-Wire, degransed and derusted zing phosph	ated, finished with electro-static powder coat	ing of 70-100				
1		tion mickness in approved colour lattr ininged door, lockable	handlo, all live part coverd with safty sheet, in	ternal control				
	(mc	power wiring from protection & power., including cost of	all necessary materials complete in all re-	spect Current				
	a a	AND THE PROPERTY AND	The second	алл сузлаш				
	a Tra	installed inside the onnel baying a hitther M.S. protective	sheet and accessible only by spening the	rant door. All				
	Tra Do	installed inside the panel having a further M.S. protective. CBs shall be rated at 50oC	sheet and accessible only by opening the f	ront door, All				
	a Tra Do MC	Installed inside the panel having a further M S. protective CBs shall be rated at 500C 400A SUB MAIN PANEL BOARD-(CPD HALL)-Normal	sheet and accessible only by opening the i	ront door, All				
	trik Å Tra MC	Installed inside the parter having a turther M.S. protective CBs shall be rated at 50oC [400A SUB MAIN PANEL BOARD-(CPD HALL)-Normal [INCOMING	sheet and accessible only by opening the l	ront door. All				
	Tra Do MC	Installed inside the parter having a turther M.S. protective CBs shall be rated at 50oC [400A SUB MAIN PANEL BOARD-(CPD HALL)-Normal [NCOMING 400A TP MCCB 25KA [200A TP MCCB 25KA] [200A TP MCCB 25KA]	Terasoki Japant.ogrand/Schnoidor	front door, All				
	Tra Do MC	Installed inside the parel having a further M S. protective CBs shall be rated at 50oC Id00A SUB MAIN PANEL BOAR()-(CPD HALL)-Normal INCOMING IA00A TP MCCB 25KA Digital Ampere Mater 40/05A Ampere Selector Switch	Terasoki Japan/Lagrand/Schneider Enta/Camsco/Eqv	01 No. 01 No. 01 No.				
	Tra Do MC	Installed inside the parel having a further M.S. protective CBs shall be rated at 50oC 100A SUB MAIN PANEL BOAR()-(CPD HALL)-Normal INCOMING 400A TP MCCB 25KA Digital Ampere Motor 420/5A Ampere Selector Switch Digital Volt Meter 0-65/3V	Tarasaki Japan/Logrand/Schnoldor Ente/Camsco/Eqv GGT/Camsco/Eqv Entes/Camsco/Eqv	ront door, All 01 No. 03 No. 03 No. 01 No. 01 No.				
	а Тга МС 1 2 3 4 5	Installed inside the parel having a further M.S. protective CBs shall be rated at 50oC 1400A SUB MAIN PANEL BOAR(J-(CPD HALL)-Normal INCOMING 400A TP MCCB 25KA Digital Ampere Motor 40/05A Ampere Selector Switch Dental Voli Meter 0-66.0V Volt Selector Switch	Terasoki Japan/Logrand/Schnoidor Entes/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv	ront door, All 01 No. 01 No. 01 No. 01 No. 01 No. 01 No.				
	1 2 3 4 5 6 7	Installed inside the parel having a further M S. protective CBs shall be rated at 50oC Id00A SUB MAIN PANEL BOAR(J-(CPD HALL)-Normal INCOMING	Terasoki Japan/Logrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv Hones/Camsco/Eqv	01 No. 01 No. 01 No. 01 Np. 01 Np. 01 Np. 01 Np. 03 Nos. 03 Nos.				
	1 2 3 4 5 6 7 8	Installed inside the parel having a turther M S. protective CBs shall be rated at 50oC Id00A SUB MAIN PANEL BOAR(J-(CPD HALL)-Normal INCOMING	Terasaki Japan/Legrand/Schneider GGT/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv Himel/Schneider/Eqv Terasaki Japan/Legrand/Schneider	ront door, All 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.				
	1 2 3 4 5 6 7 8	Installed inside the parel having a further M S. protective CBs shall be rated at SOoC ad0A SUB MAIN PANEL BOAR()-(CPD HALL)-Normal INCOMING AD0A TP MCCB 25KA Digital Ampere Motor 40/05A Ampere Selector Switch Deglatul Volt Meter 0-66.0V Volt Selector Switch Current Trasformer 40/05A Indication Lights, R Y VD GA Centrol MCB for Instrument Protection. OUTGOING	Terasaki Japan/Lagrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv GGT/Camsco/Eqv Hime/Schneider/Eqv Hime/Schneider/Eqv	ront door, All 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.				
	1 2 3 4 5 6 7 8 1	Installed inskie the parel having a further M S. protective CBs shall be rated at 50oC Id00A SUB MAIN PANEL BOAR()-(CPD HALL)-Normal INCOMING INCOMING INCOMING INCOMING Ampere Selector Switch Digital Volt Meter 0-66.3V Volt Selector Switch Current Trasformer 400/5A Indication Lights, R+Y+B BA Control MCB for Instrumont Protoction. OUTGOING I00A TP MCCB I0KA	Terasaki Japan/Logrand/Schneider Fico/Neto/Legrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv Fico/Neto/Legv Hime/Schneider/Eqv Terasaki Japan/Logrand/Schneider Terasaki Japan/Logrand/Schneider	roni door, All 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 02 Nos.				

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Sub Divisional Officer, Buildings Sub Division SHORKOT

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Sr.# 4.00			Description Of Electrical							1.4.1.1.
4.00	1.	_		Equipment .			Qty:	Unit	Raio	Amol
	ISU(pp	ly, installation, testing, commissioning of POWER DISTRIBU	JTION BOARD-(PE	DB) with Incoming Fi	rom MAIN &				1
	SM	1Pi	B Indication Lamo Insturament Protection Fuse including 1	100A Main copper	bus bar/Cable Suitat	a For Each				
			a marce and a set of the set of t	d is sublects as an	and with CIEMENIC E	ELIDAY DEL				
	Pa	88	ernetural & unx as per above outgoing circuit breaker, installe	ia in cubicais asami	NO WIN SIEMENS, P	EMPAR PEL		1		
	ma	nko	, of 16 SWG miled steel sheet fabricated, Indoor Type, Wall A	tounting, Insulation	class 600VAC, Incom	រភែច/Outgoing		1		
	Сог		action Top or Bottom as per site requirement, door to body Ear	th with flexibile copp	oor cable, system volu	ape 415VAC,				
	501		3 Obser 4 Mire durants of and deputed, was approhiled	inished with elect	o static courder conti	on of 70, 100				
	1001	112	3-Phase 4-wire, dograssid and derusied zeic prosphaled	MUSTED WUT DIECU	o-static powder coatt	100 100 100				
	mic	C10	n thickness in approved colour with hinged door, lockable han	die, all live part cove	ard with safty sheet, in	iemal control				
	8 D	DOv	ver wiring from protection & power., including cost of all necess	ary motorials compl	ete in all respeCurrent	Transformer			!	
	E.	l ak	ave MCCBell/CBe Make in Torgenti, Insen/Schoolder Eu et	off he installed inst	te the oppel boying a	higher M.S.			[
	PUL.	aç	ove weepsmeds, make in Terasuki Japanischneider Eusia		a ste panei naving a	10/010/ 14.3.				
	pro	oto:	ctive sheet and accessible only by opening the front door. All M	CCBs shall be rated	l at 50oC.					
		Ti	NCOMING							
	t	-17		Terrenti legent	ancood/Cohooidar	D1 No				
	L.	-12		I Grasard Japarv	Legrandischneider	01140.			-	
	2	-15	Digital Volt Meter 0~600V	Entes/Ci	amsco/Eqv	01 No.		· · - ·	I	
	3	٦N	alt Selector Switch	GGT/Cr	msco/Eqv	01 No.				
	1	1.	ndication Linhts R+X+Is	Hime#Sc	haeider/Poy	03 Nos			[
		10	A Control MCB (or tests shart Designation	Terrecki loono/Loo	mod/Saboaidar	03 Nos		 -	+	
	1.2	-19	A Canpol MCB for instrainent Protection	Tereseki Japanince	randiochileider	US NUS.		<u> </u>	 	
		10	DUTGOING						L	<u> </u>
	1	72	O/16/10A SP MCB 6KA			21 Nos.				
	ا خر	-1-		Ternsaki Japan/	Legrand/Schneider	02 1	3	Fach	i	t
	<u> </u>	1		L		UZ 1903	<u> </u>	Lacii.	— —	ł
.00	Su	ıрр	ly, installation, testing, commissioning of SUB MAIN PANEL B	OARD-(OPD HALL)-Emorgoncy, with In	coming 250A		1	1	1
	lπ	i M	CCB Insturement Protoction & outgoing circuit broaker unchudi	ine 250A Main coop	er bus bar Suitable Si	ze: For Fach		1	1	I
	11	. taa	CCD, ansarement Protocoon & balgoing circuit protoco, andeon	ing about main coopp						
	Pha	192	e/Netural & link as per outgoing circuit breaker, installed in cu	Dicals asampled wi	n Siemens, Pempai	CPEL maxe.				
	laf i	18	SWG miled steel shert fallricolod, Inddor Type, Floor/Wall N	lounting, insutation	class 600VAC, Incom	ing/Outgoing				
	1		screen Loo or Bottom to not sub use atometric door to both; hat	in with flexibite coor	or cable system volta	100 415VAC				
		11/10 4	Second replot better as per and requirement, over to body Ear	Calaba di 197	na atata			1	1	1
	(50)	ΗZ	3-mase 4-wire, degreased and derusted, zinc phosphated	, inished with electr	o-static powder coati	ng or /0-100		1	1	ŀ
	[mic	cro	n thickness in approved colour with hinged door, lockable han	die, all live part cove	and with safly shoet, in	ternal control		1	1	I I
	8.	-	ver writing from protection & power linckuling cost of all percess	ary materials comole	tie in all respections	Transformer		1	1	F
	1. "		And MCCO-DICO- Materia Transiti Anna-Cohadita 7 - 44	tauhiahi (mad Eu/ADD C.	I be lestalle		Ł	1	ł.
	I₩.	80	ove Muuds/Mubs, Make in Terasaki Japan/Sonnolder Eu./Mi	saunisin rabaurreds	Hand CWASD CU.SNO			1	1	F
	Insi	iid a	ine panel having a turiner M.S. protective shect and accessit	ble only by opening	the front door. All MC	CBs shall be		1	1	1
	rate	od.	nt 50oC.	· -				1	1	ł.
	<u>ا معنا</u>	÷.	TAL CUT MAN DANCE DOADO JOOD HALLY F		r			t	1	i
		42	DVA SUD MAIN PANEL BUARD-OPD HALL-Imorgoney	ļ				└──		l
		_[ii	NCOMING	I ``				L		L
		1-	SOA TR MCCB 25KA	Terasati Isono/Lee	mad/Schoeider	01 No				·
	-	-14				- 01 11-		<u>+</u>		t
	2	10	ngini voli Meter 0~500V	Enies/Ca	amsco/Eqv	01 10.		↓	<u> </u>	i ——
	3	٦.	olt Selector Switch	GGT/C	msco/Eqv	01 No.		I	1	i i
_	-	-12	Sent & mare Mater	Enter/C	amero/Foy	01 No		· · · ·		
	-	-15	Aditar Antipere Metal	0070	anisoarcqi	01.110		<u> </u>		
	5		mpore Selector Switch	GGI/Ca	msco/Eqv	01 NO.	_	L		·
	6	lc	Surrent Transformer 250/5A	Fico/Mi	stelx/Eqv.	03 Nos.				
		1	diasting Links (DetV. D)	Lime// Col	and off ou	03 Nos				
_	-	-14	Idication Lights (K+1+b)	Hundyad	indiaent; qv	03 1408.		<u> </u>		
	8	6	A Control Fuse for Protection.	Terasaki Japan/	Logrand/Schneider	03 Nos.		<u> </u>		
		ic	NITGOING		1					
	-	10	DU TGOING	Teraseki Janani	egrand/Schneider	02 Nos				
	1	6	DU IGOING 3A 1P MCCB 10KA	Terasaki Japan/I	Legrand/Schneider	02 Nos				
	1	6	DU IGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE)	Terasaki Japan/I Terasaki Japan/I	Legrand/Schneider Legrand/Schneider	02 Nos 01 Nos	1	Each.		
	1 2 Sut	6	NU IGOING 3A 1P MCCB 10KA 3A TP MCCB 10KA (SPARE) w installation lesting: commissionario et s0A-LIGHT DISTRIB	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI	Legrand/Schneider Legrand/Schneider DBI with Incoming F	02 Nos 01 Nos rom MAIN &	1	Each,		
00	1 2 Sup		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPANE) y, installation, lesting: commissioning of d0A-LIGHY DISTRIB Judication, lesting: commissioning of d0A-LIGHY DISTRIB	Terasaki Japan/ Terasaki Japan/ UTION BOARD (LI	Legrand/Schneider Legrand/Schneider DB) with Incoming F bug bay/Cable Switch	02 Nos 01 Nos rom MAIN &	1	Each,		
00	1 2 Sup SM	IC IC IC IC IC IC	DUTGOING 3A IP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting: commissioning of GDA-LIGHY DISTRIB 9, Indication, Lamp, Insturement 140tection, Fuso, including	Terasaki Japan/ Terasaki Japan/ UTION BOARD (LI 50A Main copper I	Legrand/Schneider Legrand/Schneider DB) with Incoming F bus bar/Cable Suitab	02 Nos 01 Nos rom MAIN & le For Each	1	Each.		
00	1 Sup SM	IPPI APE 1850	DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPANE) y, installation, lesting: commissioning of tigA-LIGHY DISTRIB 3, Indication, Lamp, Instituroment 140 toction Fuso, including #Netural 8 link as per ubovo outgoing circuit broaker, installo	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 50A Main copper I d in cubicats asamt	Legrand/Schneider Legrand/Schneider DB) with Incoming F bus bar/Cable Suitab bled with SIEMENS, P	02 Nos 01 Nos rom MAIN & le For Each EMPAK,PEL	1	Each.		
00	1 2 Sup SM Pha		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing: commissioning of 60A-LIGHY DISTRIB 3, Indication Lamp, Instrument Protection Fuso, ancluding PMetural & link as per ubove outgoing circuit brouker, installa of 16 SWG milde sheet shear Landraud Indiane Trae, Walk M	Terasaki Japan/ Terasaki Japan/ UTION BOARD (LI 60A Main coppor I d in cubicals asamt founting, Insulation	Legrand/Schneider Legrand/Schneider DB) with Incoming F bus bar/Cable Suitab sled with SIEMENS, P class 600VAC, Incom	02 Nos 01 Nos rom MAIN & le For Each EMPAK,PEL	1	Each.		
00	1 Sup SM Pha ma		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of tigA-LIGHY DISTRIE 3, Indication Lamp, instancement Protoction Fuso, including Alfelural & link as per above outgoing circuit broaker, installe of 16 SWG miled start shoul fabricated Indoor Type, Wall M December 2000 Barrier of the december of both Carl	Terasaki Japan/ Terasaki Japan/ UTION BOARD (LI 50A Main copper I d in cubicals asamt founting, insulation thouthing, insulation	Legrand/Schneider Legrand/Schneider DB) with facoming F bus bar/Cable Suitab bled with SIEMENS, P class 600VAC, incom por cable pattern unit	02 Nos 01 Nos rom MAIN & te For Each EMPAK,PEL ing/Outgoing	1	Each.		
00	1 Sur SM Pha mai con		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing comunicationer of 00A-LIGHY DISTRIE 3, Indication Lamp, Instrummant Protection Fusio, including e/Netural & link as per ubove outgoing circuit breaker, installa of 16 SWG miled stant shear functicated Indicer Type, Wull A betten fap or Bottom as per site requirement, deor to body Ear	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I d in cubicals asamt founting, Insulation th with floxibilo copp	Legrand/Schneider Legrand/Schneider DB) with theoming F bus bar/Cable Suitab led with SIEMENS, P class 600VAC, Incom ter cable, system volt	02 Nos 01 Nos rom MAIN & to For Each EMPAK,PEL ing/Outgoing oge 415VAC,	1	Each.		
00	1 Sur SM Pha con 50)		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of GA-LIGHY DISTRIE 3, Indication Lamp, instirement Protection Fuso, including AlfNetural 8 link as per ubovo outgoing circuit broaker, installo of 16 SWG milde stant shoul fuoricated Indoor Typo, Will M crisen Top or Bottom as per site requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphatod	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LL 60A Main coppor I d in cubicals asamt dounting, insulation th with floxibilo copp flnished with electi	Legrand/Schneider Legrand/Schneider DB} with Incoming F Dus bar/Cable Suitab Jed with SIEMENS, P class 600VAC, Incom ior cable, system volta o-static powder coati	02 Nos 01 Nos rom MAIN & te For Each EMPAK,PEL ing/Outgoing oge 415VAC, ng of 70-100	1	Each,		
00	1 Sur SM Pha con 50)		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing comunicationing of 00A-LIGHY DISTRIE 3, Indication Lamp, Instrumment Protoction Fusio, including information and the second second second second second of 16 SWG milded statisticated function Type, Wull A becam top or Bottom as per site requirement, deer to bedy Ear 3, Phase 4-Wire, degreased and derusted, zinc phosphated, a bickness is anoncent colour with binged deer. Deckhole bing	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copport d in cubicals asamt tounting, insutation th with floxibilo copp , finished with electr flo all fire part cove	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bar/Cable Suitab bled with SIEMENS, P class 600VAC, Incom ter cable, system volta o-static powder coati und with safe short in und with safe short in	02 Nos 01 Nos rom MAIN & te For Each EMPAK,PEL ing/Outgoing oge 415VAC, ng of 70-100	1	Each.		
00	1 Sup SM Pha con 501 mic		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of GOA-LIGHT DISTRIE 3, Indication Lamp, Institutement Protection Fuso, including indication Lamp, Institutement Protection Fuso, including information and state share function of the toruster, installa- of 18 SWG miled state share functioned Indicer Type, Will M calon lop or Bottom as per site requirement, door to body Ear , 3-Phase 4-Wire, degreased and densited, zinc phosphated in thickness in approved colour with hinged door, fockable ham	Terasaki Japan/I Terasaki Japan/I UTION BOARO (LI 60A Main copper I d in cubicats asami kounting, insulation th with floxibilic copp finished with electr dle, at live port cove	Legrand/Schneider Legrand/Schneider DB) with theoming F Dbs bar/Cable Suitab Jed with SIEMENS, P class 600VAC, Incom for cable, system volti or cable, system volti or static powder coatil ind with softy sheet, In	02 Nos 01 Nos rom MAIN & te For Each EMPAK,PEL ing/Outgoing oge 415VAC, ng of 70-100 temal control	1	Each.		
00	1 2 SM Pha con 50) mic 8 p		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing comunicationing of 00A-LIGHY DISTRIE 3, Indication Lamp, Instrummant Protoction Fusio, including infolural 8 link as per ubove outgoing circuit brouker, installa of 16 SWG miled stant share functional Indicer Type, Wull M becan Top or Bottom as per site requirement, door to body Ear 3, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, fockable ham er wining from protection 8 power, including cast of all necess	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (LI 60A Main coppor I d in cubicals asamt obunting, Insulation th with floxibilo copp finished with electi dlo, all live part cove any materials comple	Legrand/Schneider Legrand/Schneider DB3 wih Incoming F Dus bar/Cable Suitab biod with SIEMENS, P Class 600VAC, Incom for cable, system volta o-static powdor caali ind with softy shoet, in to in all respectment	02 Nos 01 Nos rom MAIN & EMPAK,PEL ing/Outgoing 0ge 415VAC, ng of 70-100 ternal control Transformer	1	Each.		
00	1 2 SM Pha con 50 mic 8 All		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHT DISTRIE b, Indication Lamp, Instantanti Protoction Fuso, including iNetural 8 link as per tabove outgoing circuit brouker, installe of 16 SWG miled start shart faoricated Indioer Type, Wall M cation Top or Bottom as per site requirement, door to bedy Ear , 3-Phase 4-Wire, degreased and densited, zine phosphated in thickness in approved colour with hinged door, fockable ham ere wing from protection 8 power, including cost of all necess are MCCBAMCBs. Milk on Tempski Japan/Schundier Eush	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I din cubicals asamt tounting, Insulation th with floxibile copp finished with electi dle, all live part cove ary materials comple all be installed insi:	Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Jod with StEMENS, P class 600VAC, Incom or cablo, system volti nd with safty sheet, in to in all respeCurrent is the canet having a	02 Nos 01 Nos rom MAIN & te For Each EMPAK, PEL ing/Outgoing uge 415VAC, ng of 70-100 ternal control Transformer fyrther M.S.	1	Each.		
00	1 2 Sup SM Pha con 50) mic 8 All	APE as a not z crov ab	DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing comunicationing of GOA-LIGHT DISTRIE 3, Indication, Lamp, Instrumment Protection Pusso, ancluding a/Netural & link as per ubove outgoing circuit brouker, installa of 16 SWG milde stati sheur Laoficated Indicer Type, Walf M critica Top or Bottom as per site requirement, door to body Ear 3-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, lockable ham rer wining from protection & power, including cast of all necess ove MCCBs/MCBs, Make on Ternsaki Japan/Schneider Eush	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (LI 60A Main copper d in cubicals asamt oounting, insulation th with floxibilo copp finished with election finished with election ary materials complet all be installed insis	Legrand/Schneider Legrand/Schneider Degrand/Schneider Des bat/Cable Svitab stod with SIEMENS, P Class 600VAC, Incom for cable, system volla o-static powdor coati d with safty sheet, in bote in all respoCurrent te the panet having a st Scor	02 Nos 01 Nos rom MAIN & te For Each EMPAK, PEL ing/Outgoing oge 415VAC, ng of 70-100 ternal control Transformer further M.S.	1	Each.		
00	1 2 SM Francisco A Pro	APE APE APE APE APE	DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of GA-LIGHY DISTRIE 3, Indication Lamp, Institutment Protoction Fuso, including r/Netural 8 link as per ubove outgoing circuit brouker, installe of 18 SWG milde stant shout fuoricated indion Type, Will M brotein Top or Battern as per site requirement, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated in thickness in approved colour with hinged door, fockable han wer wing from protection 8 power, including cast of all necess ove MCCBS/MCBs, Mulk on Tornsaki Japan/Schnider Eush taive sheet and accessible only by opening the front door. All M	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I din cubicats asamt tounting, Insulation th with floxibile copp f, finished with detet die, all five port cove ary materials comple all be installed insis CCBs shall be rated	egrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ide with SteMENS, P class 600VAC, Incom or cable, system volti nd with safty sheet, in tote in all respecturent is the panet having a jat SoeC.	02 Nos 01 Nos rom MAIN & to For Each EMPAK,PEL ing/Outgoing age 415VAC, ng of 70-100 temal control Transformer further M.S.	1	Each.		
00	1 Sur SM Pha con SM con SO Mic P All		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing comunisarpriving of d0A-LIGHT DISTRIE 3, Indication, Lamp, Instrumment Protection Pusso, including a/Netural & link as per ubove outgoing circuit brouker, installa of 16 SWG mide stati shaul Lapficated Indion Type, Will A critical top or Bottom as per site requirements, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, lockable ham rer wining from protection & power, including cost of all necess- ove MCCB3/MCBs, Make in Tensaki Japan/Schneider Eush zitive sheet and accessible only by opening the front door. All M CCOMING	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (LI 60A Main copper I d in cubicats asamt oounting, insulation th with floxibile copp finished with electi die, all five part cove ary materials comple all be installed insis CCBs shall be rated	egrand/Schneider Legrand/Schneider Degrand/Schneider DBB wih Incoming F Dus bar/Cable Suitab slod with SIEMENS, P Class 600VAC, Incom for cable, system volt/ o-static powdor coati o-static powdor coati natic powdor coati natic powdor coati natic powdor coati natic powdor coati to in all respoCurrent te the panel having a lat SooC.	02 Nos 01 Nos rom MAIN & te For Each EMPAK,PEL ing/Outgoing ge 415VAC, ng of 70-100 temal control Transformer further M.S.	1	Each.		
00	1 Sur SM Pha cont sot main sot main sot All pro		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of GA-LIGHY DISTRIE 3, Indication, Lamp, Instirement Protection Fuso, including AlfNetural 8 lak as per ubove outgoing circuit broaker, installe of 18 SWG milde stant shoul fuoricated indion Type, Will M bracen Top or Battern as per site requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphated in thickness in approved colour with hinged door, fockable han wer wing from protection 8 power, including cast of all necess ove MCCB/SMCBs, Mulk on Tomaski Japan/Schneider Eush sitive sheet and accessible only by opening the front door. All M VCOMING	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I din cubicats asamt tounting, Insulation th with floxibile copp f, finished with detet die, all five port cove ary materials complet all be installed insis CCBs shall be rated	egrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ide with SteMENS, P class 600VAC, Incom or cable, system volti nd with safty sheet, in tab in all respecturrent is the panet having a at Soec.	02 Nos 01 Nos rom MAIN & te For Each EMPAK,PEL ing/Outgoing ing/Outgoi	1	Each.		
00	1 2 SM Prain CO 2 M Prain CO 2		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, testing comunisationing of d0A-LIGHT DISTRIE 3, Indication, Lamp, Instrumment Protection Fuso, including arNetural 8 link as per tabove outgoing ciculi brouker, installa- of 16 SWG miled start shaul faoricated Indioer Type, Wall N criten fop or Bottom as per site requirement, door to body Ear , 3-Phase 4-Wire, degreased and denusted, zinc phosphated, in thickness in approved colour with hinged door, lockable ham ver wring from protection & power, including cost of all necessa- ove MCCB3/MCBs, Maike in Ternsaki Japan/Schneider Eush zitive sheet and accessible only by opening the front door. All M CCOMING 3A TP MCCB 10kA	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (LI 60A Main copper I d in cubicals asamt ounting, insulation th with floxibile copp finished with electr die, all five part cove ary materials comple all be installed insi: CCBs shall be rated Terasaki Japan/I	egrand/Schneider Legrand/Schneider Degrand/Schneider Des bat/Cable Suitab sted with SIEMENS, P Class 600VAC, Incom for cable, system valit o-static powdor coati to with safty sheet, in ato in all raspoCurrent is tho panel having a at 500C.	02 Nos 01 Nos rom MAIN & EMPAK,PEL ing/Outgoing uge 415VAC, og 01 70-100 transformer further M.S.	1	Each.		
00	1 2 SMP main 20 2 MP main 20 MP main 20 2 MP		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of GA-LIGHY DISTRIE 3, Indication Lamp, Instirement Protection Fuso, including AlfNetural 8 link as per ubove outgoing circuit broaker, installe of 18 SWG milde stant shoul fuoricated Indion Type, Will M critican Top or Battom as per site requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphatod in thickness in approved colour with hinged door, fockable han wer wing from protection 8 power, including cast of all necess ove MCCB/SMCBs, Mulk on Tornsaki Japan/Schneider Eush sitive sheet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I din cubicats asamt tounting, Insulation th with floxibile copp f, finished with detet die, all five port cove ary materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Entes/Cd	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Id with StatkENS, P class 600VAC, Incom or cable, system volti nd with softy sheet, in tote in all respecturrent is the panet having a at Soec. Legrand/Schneider misco/Eqv	02 Nos 01 Nos rom MAIN & EMPAK,PEL BMPAK,PEL age 415VAC, ng of 70-100 transformer further M.S. 01 No. 01 No.	1	Each.		
00	1 2 Supran contract P All of A		DU IGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRIE s, indication Lamp, instrummunt 1rotection Fiese, anduding inNetural & link as per ubove outgoing circuit breaker, installa of 16 SWG midel stant shoul fuoricated. Indicer Type, Will M science Top or Bottom is per site requirements, door to body Ear , 3-Phase 4-Wire, degreased and denusted, zinc phosphated, in thickness in approved colour with hinged door, tockable han rev wiring from protection & power, including real all necessa- ove MCCBs/MCBs, Make in Terusaki Japan/Schneider Eush thive sheet and accessible only by opening the front door. All M CCOMING 3A TP MCCB 10kA Signal Volt Meter 0-600V	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (LI 60A Main coppor I d in cubicals asamt obunting, insulation th with floxibile copp , finished with electr dio, all five part cove ary materials comple all be installed insi: CCBs shall be rated Terasaki Japan/I Entes/CC GGT/Cc	egrand/Schneider Legrand/Schneider Legrand/Schneider DB} with Incoming F Dus bar/Cable Suitab sled with SIEMENS, P Cass 600VAC, Incom for cable, system valit o-static powder coati to dwith safty sheet, in slei in all rospoCurrent ie the panel having a at SooC. Legrand/Schneider Imsco/Eqv	02 Nos 01 Nos rom MAIN & EMPAK,PEL ing/Outgoing uge 415VAC, ng of 70-100 semal control Transformer further M.S. 01 No. 01 No. 01 No.	1	Each.		
00	1 2 5 5 Fr a c 5 c 4 A Fr 1 2 3 4		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of ti0A-LIGHY DISTRIE 3, Indication Lamp, Instirement Protection Fuso, including AlfNetural 8 link as per ubove outgoing circuit broaker, installe of 18 SWG mided start shoul fuoricated Indion Type, Will M critical op or Battom as per site requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphated in thickness in approved colour with hinged door, fockable han ere wing from protection 8 power, including cast of all necess ove MCCB/SMCBs, Muke in Ternsaki Japan/Schneider Eush the sheet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA light Volt Meter 0-600V foll Selector Switch here indication Lamps. (8 × 1) ¹⁰	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I di n cubicato saami tounting, Insulation th with floxibile copp finished with detet die, all five port cove ary materials complet all be installed insis CCBs shall be rated Terasaki Japan/I Entes/Cr GGT/CD Unaufed	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Id with Stafker Schemer Id with safty sheet, in to in all respecturent ind with safty sheet, in to in all respecturent is the panet having a at Soec. Legrand/Schneider Imsco/Equ Imsco/Equ	02 Nos 01 Nos rom MAIN & EMPAK, PEL ing/Outgoing gg 4 15VAC, ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 03 Nos	1	Each.		
00	1 2 SM Phan co 2 m 8 A Pro 1 2 3 4		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting, commissioning of 60A-LIGHY DISTRIE s, indication Lamp, instrummant 1 roticetion Fiese, anduding inNetural & link as per ubove outgoing circuit breaker, installa of 16 SWG midel stant shoul fuoricated. Indicer Type, Will M science Top or Battom is per site requirements, door to body Ear , 3-Phase 4-Wire, degreased and denusted, zinc phosphated, in thickness in approved colour with hinged door, tockable han rev wiring from protection & power, including out all necessa- ove MCCBs/MCBs, Make in Terusuki Japan/Schneider Eusish trive sheet and accessible only by opening the front door. All M CCOMING 3A TP MCCB 10kA Signal Volt Meter 0-600V oft Selector Switch	Terasaki Japan/J Tarasaki Japan/J UTION BOARD (Ll 60A Main copper I d in cubicals asamt bounting, insulation th with floxibile copp finished with electr dio, all five part cove ary materials comple all be installed insi: CCBs shall be rated Terasaki Japan/I Entes/Cd GGT/Cc Hime/Scd	egrand/Schneider Legrand/Schneider Legrand/Schneider DB} with Incoming F Dus bat/Cablo Suitab sled with SIEMENS, P class 600VAC, Incom for cablo, system volti o-static powder caali o-static powder caali voita sity sheet, in sle in all respecturrent fe the panel having a at 50oC. Legrand/Schneider amsco/Eqv moder/Eqv	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing gg 415VAC, ng of 70-100, ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos.	1	Each.		
00	1 2 5 M a a a a a a a a a a a a a a a a a a		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of ti0A-LIGHY DISTRIE 3, Indication Lamp, Instirement Protection Fuso, including whether a link as per ubove outgoing circuit broaker, installe of 18 SWG milde start shout fuoricated induor Type, Will M becan log or Bottom as per site requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphatod in thickness in approved calour with hinged door, lockable han wer wining from protection 8 power, including cast of all necess ove MCCB/SMCBs, Mike in Ternsaki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA bigital Volt Meter 0-600V fol Selector Switch hase Indication Lamps (F Y+B) A Control MCB for instrume 1 thoteston.	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) d in cubicals asamt tounting, Insulation th with floxibile copp finished with detet dle, all five part cove ary materials complet all be installed insis CCBs shall be rated Terasaki Japan/I Entes/Cr GGT/CC Hime/Sed Torasaki/S:	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Id with Stafker Schemer Id with safty sheet, in to in all respecturrent ind with safty sheet, in to in all respecturrent is tho panet having a at Soec. Legrand/Schneider Imsco/Equ Incider/Equ	02 Nos 01 Nos rom MAIN & EMPAK, PEL ing/Outgoing gg 4 15VAC, ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 03 Nos. 03 Nos.	1	Each.		
00	1 2 5 5 Pha con 5 mc 9 All or 1 2 3 4 5		DU FGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRIE 3, Indication, Lamp, Instrummant 1 rotication Fusio, including influence in the second structure in	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (LI 60A Main copper I di ncubicals asamt dounting, insulation th with flaxibile copp finished with electi dio, all five part cove ary materials complet all be installed insis (CCBs shall be rated Terasaki Japan/I Entes/C4 GGT/C0 Hime/Sc4 Torasaki/S	egrand/Schneider Legrand/Schneider Legrand/Schneider DBJ with Incoming F Dus bat/Cablo Suitab sled with SIEMENS, P class 600VAC. Incom for cablo, system volti o-static powder caali to-static powder caali vo-static powder caali vo-static powder caali vo-static powder caali vo-static powder caali to-static powder caali to-static powder caali to-static powder caali to-static powder caali to-static powder caali egrand/Schneider amsco/Eqv nnoider/Eqv chneider/Eqv	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgaing gge 415VAC, ng of 70-100, ermal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos.	1	Each.		
00	1255 Preco 2 re 4 Pro 1234 5		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of ti0A-LIGHY DISTRIE 3, Indication Lamp, Instirement Protection Fuso, including whether a link as per ubove outgoing circuit broaker, installe of 18 SWG milde start shout fuoricated induor Type, Will M becan log or Bottom as per sito requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphatod in thickness in approved calour with hinged door, lockable han wer wining from protection & power, including cast of all necess- ove MCCB/SMCBs, Misk on Ternsaki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA bigital Volt Meter 0-600V fol Selector Switch hase Indication Lamps (F+Y+B) A Control MCB for Harune 1 /fulleston UTGOING	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) d in cubicals asamt tounting, Insulation th with floxibile copp finished with detet die, all five part cove ary materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Entes/Cr GGT/CC Hime/Scd Terasaki Japan/I	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with staft Schemer Ind with safty sheet, in to in all respecturrent ind with safty sheet, in to in all respecturrent is the panet having a at Soec. Legrand/Schneider Imsco/Equ Inneider/Equ Legrand/Schneider	02 Nos 01 Nos rom MAIN & EMPAK, PEL ing/Outgoing gg 4 15VAC, ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.	2	Each.		
00	1255 Practice 4 Prove 1 2 3 4 5 1		<u>DUTGOING</u> <u>3A TP MCCB 10KA (SPARE)</u> y, installation, lesting commissioning of 60A-LIGHY DISTRIE a, Indication Lamp, Instirument Protection Fusio, including Photoral & lak as per above outgoing circuit broaker, installe of 16 SWG milde start shoul fuoricated Indion Type, Will k orion Top or Botton is per site requirement, door to body Ear , 3-Phase 4-Wire, degreased and densted, zinc phosphated, in trickness in approved colour with hinged door, Tockable han wer wing from protection & power, including call incesss ove MCCBs/MCBs, Make in Tensiski Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA ignal Volt Meter 0-600V fell Selector Switch hase Indication Lamps (R · Y · II) A Control MCB for Lamping 1 / Noteston VTGOING 0/16/20A SP MCB 6/ A	Terasaki Japan/I Tarasaki Japan/I UTION BOARD (Ll 60A Main copper I di ncubicals asamt obunting, insulation th with flaxibile copp finished with electi dio, all five part cove ary materials comple all be installed insi: CCBs shall be rated Terasaki Japan/I Entes/C4 GGT/C0 Hime/Sc4 Terasaki Japan/I Terasaki Japan/I	egrand/Schneider Legrand/Schneider Legrand/Schneider DB} with Incoming F Dus bat/Cablo Suitab sled with SIEMENS, P Class 600VAC, Incom for cablo, system volti o-static powder caali o-static powder caali vo-static powder caali vo-static powder caali vo-static powder caali vo-static powder caali vo-static powder caali to static powder caali to static powder caali to static powder caali to static powder caali egrand/Schneider amsco/Equ neider/Equ chneider/Equ	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgaing gge 415VAC, ng of 70-100 ermal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.	2	Each.		
00			DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of ti0A-LIGHT DISTRIE 3, Indication Lamp, Instirement Protoction Fuso, including whether a kink as per ubove outgoing circuit trouter, installe of 16 SWG mide start shoul fuoricated indion Type, Will M critical op or Battern as per site requirement, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated in thickness in approved colour with hinged door, fockable han wer wing from protection & power, including cast of all necess ove MCCB/SMCBs, Muke in Ternsaki Japan/Schneider Eusis tive sheet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA light Volt Meter 0-600V fol Selector Switch hase Indication Lamps (R Y 11) A Control MCB for tranue of thoteston UTGOING 0/16/20A SP MCB 6/A , installation, testing, commissioning of 400A SUB MAIN P,	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I di n cubicals asamt tounting, Insulation th with floxibilo copp floxibilo compering inshed with detet dlo, all live part cove ary materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Entas/Cr GGT/Co Hime/Scd Terasaki Japan/I ANEL BOARD-(Gyi	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Jod with SteMENS, P class 600VAC, Incom or cablo, system valti ind with safty shoet, in to in all respecturrent is the panet having a at SocC. Legrand/Schneider msco/Eqv msco/Eqv Legrand/Schneider Legrand/Schneider Legrand/Schneider	02 Nos 01 Nos rom MAIN & EMPAK, PEL EMPAK, PEL EMPAK, PEL ing/Outgoing ge 415VAC, ge 415VAC, ge 415VAC, of 100, 01 No, 01 No, 01 No, 01 No, 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos.	2	Each.		
00			bu FGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRIE a, Indication Lamp, Instiromant Protection Fuso, including Photoral & lak as per ubovo outgoing circuit brouker, installe of 16 SWG milds start shoul fuoricated. Indion Type, Will M cricino Top or Bottom is per sito requirement, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated, n thickness in approved colour with hinged door, lockable han wer wing from protection & power, including out all indeess ove MCCBs/MCBs, Make in Terasuki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA ligital Volt Meter 0-600V foil Selector Switch hase Indication Lamps (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) Phoce R · Instruments (R · Y · II) A control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · II) A Control MCB for Lampts (R · Y · III) A Control MCB for Lampts (R · Y · III)	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main coppor I d in cubicals asamt founting, Insulation th with floxibilic copp finished with afect all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GeTrCc GeTrCc Hime/Sci Terasaki Japan/I Terasaki Japan/I AnxEL BOARD-(GN) AnxEL BOARD-(GN) AnxEL BOARD-(GN)	egrand/Schneider Legrand/Schneider Legrand/Schneider DBJ with Incoming F Dus bat/Cablo Suitab sled with SIEMENS, P Class 600VAC, Incom for cablo, system volti cass 600VAC, Incom for cablo, system volti cass 600VAC, Incom for dwith safty sheet, in bite in all respecturrent ie tho panel having a at 50oC. Legrand/Schneider amsco/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Eqv Incider/Schneider act OPD)-Normal Tw	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, ng of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos tith incoming be Size: For	2	Each.		
00	1 2 5 5 Fr a n 5 r a A A P 1 2 3 4 5 1 5 40		DUTGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of ti0A-LIGHT DISTRIE 3, Indication Lamp, Instirement Protection Fuso, including whether a link as per ubove outgoing circuit broaker, installed of 18 SWG midel start shoul fuoricated inducer Type, Will M betten Top or Battern as per site requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphated in thickness in approved colour with hinged door, lockable han wer wing from protection & power, including cast of all necess over MCCB/SMCBs, Muke in Ternsaki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M UCOMING 3A TP MCCB Toka Hightal Volt Meter 0-600V fol Selector Switch hase Indication Lamps (F Y+19) A Control MCB for instructs (F	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I di n cubicals asamt tounting, Insulation th with floxibile copp floxibile comper- any materials comple- all be installed insis CCBs shall be rated Terasaki Japan/I Entes/Cr GGT/CD Hime/SCI Terasaki Japan/I NaNEL BOARD-Gyy netuding 400A Main	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with Staff Scheider Scheider Ind with safty sheet, in to is hall respecturent is the panet having a at SocC. Legrand/Schneider Imsco/Equ Inneider/Equ Legrand/Schneider Legrand/Schneider Legrand/Schneider Legrand/Schneider Legrand/Schneider Legrand/Schneider Legrand/Schneider Legrand/Schneider	02 Nos 01 Nos rom MAIN & EMPAK, PEL ing/Outgoing gg 4 15VAC, gg of 70-100 temal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos kth Incoming ble Size; For	2	Each.		
00	1 2 5 5 A a a a a a a a a a a a a a a a a a		but GOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE a, Indication, Lamp, Instancement Protection Fuso, including a, Indication, Lamp, Instancement, door fuso, including a, Indication, Lamp, Instancement, door to body Ear a, Bottan, as per sito requirement, door to body Ear a, S-Phase 4-Wire, degreased and derusted, zinc phosphated, n thickness in approved colour with hinged door, lockable han ever wing from protection & power, including cast of all necessa: ave MCCB3/MCBs, Make in Terasuki Japan/Schneider Eush the sheet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA igital Volt Mater 0-600V fill selector Switch hase Indication Lamps (R * Y+II) A Control MCB for Lamps (R * Y+II)	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main coppor I d in cubicals asamt founting, Insulation th with floxibilic coppr finished with electri and live part cover and live part cover and live part cover and live part cover and live installed insis CCBs shall be rated Terasaki Japan/I Entes/CC Terasaki Japan/I Terasaki Japan/I AnxEL BOARD (Gy) Terasaki Japan/I AnxEL BOARD (GA) AnxEL BOARD (GA)	egrand/Schneider Legrand/Schneider Legrand/Schneider DBJ with Incoming F Dus bat/Cablo Suitab sled with SIEMENS, P Class 600VAC. Incom for cablo, system volti o-static powder caali vo-static powder caali vo-static powder caali vo-static powder caali with safty sheet, in ste in all rospoCurrent ie tho panel having a at 50oC. Legrand/Schneider amsco/Eqv nneider/Eqv chneider/Eqv chneider/Eqv chneider/Eqv coppor bus fisital lod with SIEMENS, P	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, ng of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos the lacoming be Sizo: For EMPAK, PEL	2	Each.		
00	1 2 5 5 F a c 5 k 4 5 7 1 2 3 4 5 1 5 4 5 2 5		DIGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 40A-LIGHT DISTRIE 3, Indication, Lamp, Instancement Protection Fuso, including Metural & link as per subovo outgoing circuit broaker, installe of 18 SWG mided start shout fuoricated indicer Type, Wall M bettern lap or Battern as per sub requirement, door to body Ear , S-Phase 4-Wire, degreased and derusted, zinc phosphated in thickness in approved colour with hinged door, lockable han ere wing from protection & power, including cast of all necess over MCCB/SMCBs, Muke in Ternsaki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA Mathematicated in the front door. All M UCOMING 3A TP MCCB 10kA Mathematicated in the front door. All M UCOMING 3A Control MCB for instructs (F Y H)1 A Control MCB (F Y H)1 A Control MCB into a por outgoing circut breakar, installed A H)2 A MCB mited stat shout fabricated, In	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I di n cubicals asamt tounting, Insulation th with floxibile copp floxibile copper any materials comple- all be installed insis CCBs shall be rated Terasaki Japan/I Entes/Cr GGT/CD Hime/SCI Terasaki Japan/I Terasaki Japan/I Manel BOARD-Gyy netuding 400A Main si n cubicals asamb o, Floor/Walt Mou	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Id with SteMENS, P class 600VAC, Incom or cablo, system volti ind with safty shoet, in to in all respecturent is the panet having a at StocC. Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv Legrand/Schneider	02 Nos 01 Nos rom MAIN & EMPAK, PEL ing/Outgoing gg 4 15VAC, gg of 70-100 ternal control Transformer further M.S 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos kith Incoming ble Size: For EMPAK, PEL	2	Each.		
00	1 2 5 5 F 6 6 5 6 4 A F 1 2 3 4 5 1 5 4 5 6 6		bu FGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting, commissioning of 60A-LIGHY DISTRE 3, Indication, Lamp, Instiromant Protection Fuso, including withoural 3 link as per above outgoing circuit broaker, installed of 16 SWG milde stant shoul fuoricated. Indoor Type, Will M cricino Top or Bottom is per sito requirement, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated, n thickness in approved colour with hinged door, Tockable han wer wing from protection & power, including call incesss ove MCCBs/MCBs, Make in Ternsuki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA ligital Volt Mater 0-600V foil Selector Switch hase Indication Lamps (R · Y · II) A Control MCB for Lampts (R · Y · I	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport I d in cubicals asamt founting, Insulation th with floxibilic coppr finished with decit die, all live part cove ary materials comple and be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GGT/Cc GGT/Cc GGT/Cc GGT/Cc Terasaki Japan/I Terasaki Japan/I ANREL BOARD-(Gy) Terasaki Japan/I an cubicals asamb o, Floor/Waß Mou ent, door to bedw	egrand/Schneider Legrand/Schneider Legrand/Schneider DBJ with Incoming F Dus bat/Cablo Suitab Jed with SIEMENS, P Class 600VAC. Incom for cablo, system volti o-static powder caali volti with safty sheet, in Jed in all rospoCurrent ie tho panel having o at 50oC. Legrand/Schneider amsco/Eqv msco/Eqv msco/Eqv msco/Eqv and/Schneider amsco/Eqv engrand/Schneider anet-OPD)-Normal w coppor bus of Suita lod with SIEMENS, P niting, Insulation cab	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, ng of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos. ith lacoming ble Sizo: For EMPAK, PEL ss 600VAC.	2	Each.		
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00	1 2 SM Franciske A Pro 1 2 3 4 5 1 S400 Sm Franciske SM Franciske A Pro 1 2 3 4 5 1 S400 Sm Franciske SM Fran		bu IGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting, commissioning of 40A-LIGHY DISTRE 3, Indication, Lamp, Instiromant Protection Fuso, including withoural 8 link as per ubovo outgoing circuit brouker, institue of 16 SWG mildo stant shoul fuoricated. Indicer Type, Will M cricino Top or Bottom as per sito requirement, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated, n thickness in approved colour with hinged door, lockable han wer wing from protection & power, including call incesss ove MCCB3/MCBs, Make in Ternsuki Japan/Schneider Eusish zive sheet and accessible only by opening the front door. All M WCOMING 3A TP MCCB 10kA MyCOMING 3A TP MCCB 10kA MyCOMING 01 Selector Switch hase Indication Lamps (E • Y • II) A Control MCB for Lamps (E • Y • II) A Control MCB for Lamps (E • Y • II) A Control MCB for Lamps (E • Y • II) A Control MCB for Lamps (C • Y • II) A Control MCB for Lamps (C • Y • II) A Control MCB for Lamps (C • Y • II) A Control MCB for Lamps (C • Y • II) A Control MCB for Lamps (C • Y • II) PMCCB, Instrument Protection C outgoing circuit broaker, installe of 16 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection to por up claus troaker, installed of 16 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection Top or Outgoing circuit broaker, installed of 16 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection top or Outgoing circuit broaker, installed of 15 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection top or Outgoing circuit broaker, installed of 16 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection top or Outgoing circuit broaker, installed of 15 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection top or Outgoing circuit broaker, installed of 15 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoing connection top or Outgoing circuit broaker, installed of 16 SWG mildo stol al hout fabricated, Index 7 y- ing/Outgoi	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport I d in cubicats asamt founting, Insulation th with floxibilic coppr finished with decit die, all live part cover ary materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GCT/Cc GCT/Cc GCT/Cc Hime/Sci Terasaki Japan/I AnxEL BOARD (Gy) Terasaki Japan/I anxEL BOARD (Gy) Terasaki Japan/I ankLing asamb o, Floor/Wall Mou ent, door to bedy terusted, zinc phos	egrand/Schneider Legrand/Schneider Legrand/Schneider DBJ with Incoming F Dus bar/Cablo Suitab Jed with SIEMENS, P Class 600VAC. Incom for cablo, system volk cass 600VAC. Incom for dwith safty sheet, in Jed in all rospoCurrent ie tho panel having a at 50oC. Legrand/Schneider amsco/Eqv msco/Eqv nneider/Eqv chneider/Eqv Legrand/Schneider anac-OPD)-Normal w copper bus bar Suita lod with SIEMENS, P ning, Insulation cla Lerth with Robible c phatod, finished with	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, ng of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos. ith Incoming De Sizo: For EMPAK, PEL ss 600VAC.	2	Each.		
00	1 2 SAFE BOOK & BOOK A DO 1 2 3 4 5 1 S400 CONSTRUCTION S PO		DUTGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 40A-LIGHT DISTRIE 3, Indication Lamp, Instancement Protection Fuso, including Metural & link as per above outgoing circuit broaker, installed of 18 SWG mided start shout fuoricated indicer Type, Will M becan lop or Battom as per site requirement, door to body Ear 3-Phase 4-Wire, degreased and derusted, zinc phosphatod in thickness in approved calour with hinged door, lockable han rer wiring from protection & power, including cast of all necess- ove MCCB/MCBs, Mike on Ternsaki Japan/Schneider Eush zive sheet and accessible only by opening the front door. All M UCOMING A TP MCCB 10kA Mater 0-600V Mater	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) d in cubicals asamt tounting, Insulation th with floxibile copp floxibile copper any materials comple- all be installed insis CCBs shall be ratad Terasaki Japan/I Entes/Cr GGT/CC Hime/Scd Terasaki Japan/I Terasaki Japan/I Terasaki Japan/I Terasaki Japan/I Saki Japan/I Saki Japan/I Terasaki Japan/I Saki Japan/I Sak	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ide with SteMENS, P class 600VAC, Incom or cablo, system vollt ind with safty shoet, in to is all respecturent is the panet having a at StocC. Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv Legrand/Schneider taet-OPD)-Normal w copper bus bar Suita lod with SIEMENS, P nick, Insultation Cab Earth with flaxible Cab Earth with flaxible Cab Earth with flaxible of with lo handle, all bro par	02 Nos 01 Nos rom MAIN & EMPAK, PEL ing/Outgoing gg 4 15VAC, gg of 70-100 temal control Transformer further M.S 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 24 Nos. ith Incoming ble Size: For EMPAK, PEL EMPAK, PEL to coverd with	2	Each.		
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00	12 SA ha no to		but GOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE 3, Indication, Lamp, Instancement Protection Fuso, including invitation of the stant should capting circuit broaker, installed of 16 SWG mildel stant should faorficated. Indicer Type, Will M broaker, installed and stant should capting circuit broaker, installed of 16 SWG mildel stant should capting circuit broaker, installed in thickness in approved colour with hinged door, lockable han ever wing from protection & power, including cast of all necessi- ove MCCBs/MCBs, Make in Tensaki Japan/Schneider Eush the sheet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA State	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport I di ncubicats asamt founting, Insulation th with floxibilic coppr finished with dectri die, all live part cover ary materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GCT/Cc GCT/Cc GCT/Cc GCT/Cc Terasaki Japan/I Terasaki Japan/I ankubicat samb o, Floor/Waß Mou ent, door to bedy terusted, zinc phos hinged door, lockal inchubing cost of a saski Japan/Schneid	egrand/Schneider egrand/Schneider egrand/Schneider DBJ with Incoming F DUs bat/Cable Suitab bled with SIEMENS, P class 600VAC. Incom for cablo, system valk costatic powder caali to vith safty sheet, in to vith safty sheet, in misco/Eqv misco/Eqv misco/Eqv misco/Eqv misco/Eqv coprant/Schneider misco/Eqv copper bus bar Suita led with SiEMENS, Pa terth with SieMENS, Pa terth with floxible c phated, finished with ble handle, all two patrials for Eu/Misubishi Jap	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, 90 of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 24 Nos. ith Incoming ble Sizo: For EMPAK, PEL ss 600VAC. opper cable, olectro-static I complete in an/Logarand	2	Each.		
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00	12 SSA A A A A A A A A A A A A A A A A A		bu IGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting, commissioning of 40A-LIGHY DISTRE 3, Indication, Lamp, Instrumment Protection Fuso, including influental & lak as per above outgoing circuit broaker, installe of 16 SWG milde start shout fuoricated. Indeer Type, Will A broam Top or Betten as per site requirement, door to body Ear 3, Phase 4 Wire, degreased and densted, zinc phosphated, in thickness in approved colour with hinged door, lockable han wer wing from protection & power, including cost of all necessi- tive shoet and accessible only by opening the front door. All M ver OMCB3/MCBs, Make in Ternsaki Japan/Schneider Eusish zive shoet and accessible only by opening the front door. All M ver OMCB3/MCBs, Make in Ternsaki Japan/Schneider Eusish zive shoet and accessible only by opening the front door. All M ver OMING 3A TP MCCB 10kA A TP MCCB 10kA A TP MCCB 10kA A Control MCB for instructed Protection UTGOING 016/20A SP MCB 6PA y, instillation, testing, commissioning of 400A SUB MAIN Pi TP MCCB, Instrument Protection C outgoing circuit breaker, installed of 16 SWG miled steel sheet fabricated, fidder Typ- ing/Outgoing connection Top or Bottem as per site requirer n voltage 415VAC, 50HZ, 3-Phase 4-Wure, degreased and c or coasing of 70-100 micron thickness in approved colour with sheet, internal control & power wiring from protection & power. Installed inside the panel having a further M.S. toor. All MCCBs shell be relead at 50oC. Doba SUB MAIN PANEL BOARD-(Synae-OPD)-Nermal JCOMING	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport of in cubicats asamt founting, insulation th with floxibilic coppr finished with decir dile, all live part cover any materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GCT/CC GCT/CC Hime/SCC Terasaki Japan/I ANREL BOARD (Gy) network all be and a cubicals asamt o, Floor/Waß Mou neanl, door to body ierusted, sinc phos hinged door, lockal , including cost of a saki Japan/Schneic protective sheet as	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Id with SteMENS, P class 600VAC, Incomi to de the Steme State Ind with softy sheet, in all respecturent is the panel having a at SOoC. Legrand/Schneider amsco/Eqv msco/E	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, 90 of 70-100, ternal control Transformer further M.S, 01 No, 01 No, 01 No, 03 Nos, 03 Nos, 03 Nos, 03 Nos, 24 Nos tith Incoming ble Size; For EMPAK, PEL Ss 600VAC, oppor cable, complete in an/Legarand opening the	2	Each.		
00	1 2 SSM anotic 4 Anor SSM a Anor 1 2 3 4 5 1 Subor in system in sy		DU LGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 40A-LIGHT DISTRIE 8, Indication Lamp, Instantation Information Fuso, including whether a link as per above outgoing circuit broaker, installed of 18 SWG mided start shout fuorities, including whether a link as per above outgoing circuit broaker, installed of 18 SWG mided start shout fuorities, including shout a per start or outgoing circuit broaker, installed of 18 SWG mided start shout fuorities, including shout a per start or outgoing circuit broaker, installed in thickness in approved calour with hinged door, fockable han wer wring from persons have on termstall Japan/Schneider Eusis the shoet and accessible only by oppning the front door. All M uccoMING A TP MCCB 10kA bigital Volt Meter 0-600V fol Selector Switch hase Indication Lamps (F Y+H) A Control MCB for instrument Protoction 2 0/16/20A SP MCB 6/A y, installation, tosting, commissioning of 400A SUB MAIN P. TP MCCB, Insturement Protoction 2 outgoing circuit broaker, installed of 16 SWAG mided steal shout fabricated, Indeer Type ing/Outgoing connection Top on Bottom as per site roquizer in voltage 415VAC, 50HZ, 3:Phase 4-Wue, degreased and co re coasing of 70-100 micron thickness in approved colour with sheet, internal control & power wring from protoction & power, peCurrent Transformer All above MCCB/MCBs/Make in Terris B cushab be installed insde the panel having a further M.S. toor. All MCCB shell be reled at SUOC. DDA SUB MAIN PANEL BOARD-(Synae-OPD)-Nermal JCOMING DOA TP MCCB 25KA	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) di ncubicals asamt tounting, Insulation th with floxibile copp floxibile copper and the insulation insulation and be installed insis CCBs shall be ratad Terasaki Japan/I Entas/Cr GGT/CD Hime/SC Terasaki Japan/I SAREL BOARD-Gyy netuding 400A Main di ncubicals asamtb o, Floor/Wall Mou nent, door to body terusted, zinc phos hinged door, lockal , inckuding cost of a saaki Japan/Schneic protective sheet an Terasaki Japan/I	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Id with SIEMENS, P class 600VAC, Incom or cablo, system vallt ind with safty shoet, in to in all respecturent is the panet having a at SocC. Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv Legrand/Schneider msco/Eqv Legrand/Schneider inder VPD-Normal v copper bus bar Suita led with SIEMENS, P inder, Insultation cla Earth with flaxible c phatod, finished with Joh handle, all bvo par II necessary materiale for Eu/Mitsubishi Jap d accessible only by Legrand/Schneider	02 Nos 01 Nos rom MAIN & Ib For Each EMPAK,PEL ing/Outgoing ing of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 Nos. 16 Coverd with a complete in an/Legarand opening the 01 No.	2	Each		
00	12 SSA and a A A A A A A A A A A A A A A A A A A		buildeding 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 40A-LIGHY DISTRE 3, Indication, Lamp, Instrumment Protection Fuso, including infiltering instrumment Protection Fuso, including of 16 SWG milde stant shoul faoricated Indian Type, Will M bracen Top or Bettern as per site requirement, door to body Ear 3, S-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, lockable han wer wring from protection & power, including cost of all necessa over MCCB3MCBs, Make in Ternsaki Japan/Schneider Eush zho shoet and accessible only by opening the front door. All M vCOMING 3A TP MCCB 10kA 3A TP MCCB 10kA 4D TO TOTO To 10 To 10 To 100 A SUB MAN P. TP MCCB, Instrument Protection C outgoing circui breaker, installetion, tosting, commissioning of 400A SUB MAN P. TP MCCB, Instrument Protection C outgoing circui breaker, installetion, tosting, commissioning of 400A SUB MAN P. TP MCCB, Instrument Protection C outgoing circui breaker, installetion of 16 SWG miled steel sheet fabricated, Inddor Typ- ing/Outgoing connection Top on Botter as per sito requirer in voltage 415VAC, 50HZ, 3-Phase 4-Wure, degreased and c or coating of 70-100 micron thickness in approved colour with sheet, internal control & power wring from protection & power. B Eushaft be installed inside the panel having a further M.S. toor. All MCCB's shell be relead at 500C. DOA SUB MAIN PANEL BOARD-(Synae+OPD)-Normal ICOMING DOA SUB ALIN PANEL BOARD-(Synae+OPD)-Normal ICOMING	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport i d in cubicats asamt founting, insulation th with floxibilic coppr finished with decir dlo, all live part cover any materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Terasaki Japan/I ANEL BOARD (Gy) Terasaki Japan/I ANEL BOARD (Gy) Terasaki Japan/Schnoic protective sheet as including cost of a sasal Japan/Schnoic protective sheet as Terasaki Japan/Schnoic	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with StekKens, P class 600VAC, Incom or cablo, system volti ind with safty sheet, in to in all respecturent is tho panel having a at SOoC. Legrand/Schneider amsco/Eqv msco/Eqv msco/Eqv chneider/Eqv. Legrand/Schneider mace OPD)-Normal w copper bus bar Suita Earth with floxible c Earth with floxible of et 20/Allisubishi Jap nd accessible only by Legrand/Schneider ill necessary materials of et 20/Allisubishi Jap nd accessible only by Legrand/Schneider	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing oge 415VAC, year of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 04 No. 05 Nos. 05 Nos. 05 Nos. 05 Nos. 05 Nos. 05 Nos. 05 Nos. 05 Nos. 06 Control to the to t	2	Each.		
00	12 SM Francisco A Roll 12 3 4 5 1 Subara Sport a Life 1 174		DJ EGOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 40A-LIGHT DISTRIE 3, Indication, Lamp, Instancement Protection Fuso, including influence All Indication, Lamp, Instancement, door to body Ear 3-Phase 4-Wire, degressed and derusted, zinc phosphatod in Uncleass in approved colour with hinged door, Tockable han ere wining from protection & power, including cost of all necessione MCCB/MCBs, Mukko In Pernsaki Japan/Schneider Eusis able shoet and accessible only by oponing the front door. All M UCOMING A TP MCCB 10kA Mightal Volt Meter 0-600V McCB NOK McCB,	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) di ncubicals asamt tounting, Insulation th with floxibilo copp floxibilo copper) (CBs shall be installed insi CCBs shall be installed insi CCBs shall be installed insi CCBs shall be rated Terasaki Japan/I Entas/Cr GGT/CD Hime/SCI Terasaki Japan/J ANEL BOARD-(Gy netuding 400A Main di ncubicals asamb o, Floor/Wall Mou nent, door to bedy terusted, zinc phos inged door, lockal , inckrding cost of a saaki Japan/Schneic protactive sheet as Terasaki Japan/Schneic protactive sheet as	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Ide with SIEMENS, P class 600VAC, Incom or cablo, system vallt ind with safty sheet, in to in all respecturent is the panet having a stope control of the safty legrand/Schneider misco/Eqv misco/Eqv misco/Eqv misco/Eqv Legrand/Schneider Misco Schneider Legrand/Schneider Schneider/Eqv Legrand/Schneider Schneider/Eqv Legrand/Schneider Schneider/Eqv Legrand/Schneider Schneider/Eqv Legrand/Schneider Schneider/Eqv Legrand/Schneider Schneider/Eqv Legrand/Schneider II necessary materials for Eu/Misubishi Jap dd accessible only by Legrand/Schneider misco/Eqv	02 Nos 01 Nos rom MAIN & Ib For Each EMPAK, PEL ing/Outgoing gg 4 15VAC, gg of 70-100 tomal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 04 No. 04 No. 04 No. 05 For EMPAK, PEL I coverd with a complete in an/Legarand opening the 01 No. 01 N	2	Each		
00	1235 A Franco K A B A A A 123 4 5 1 5400 5 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		DJ EGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 40A-LIGHY DISTRE 3, Indication, Lamp, Instandment Protection Fusio, including infiltering is link as per above outgoing circuit broaker, installe of 16 SWG miled stant shout faoricated. Indicer Type, Will A breach Top or Battern as per site requirement, door to body Ear 3, S-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, lockable han wer wring from protection & power, including cost of all necessa over MCCB3/MCBs, Make in Ternsaki Japan/Schneider Eush zho shoet and accessible only by opening the front door. All M vCOMING 3A TP MCCB 10kA A TP MCCB 10kA Make in Ternsaki Japan/Schneider Eush zho shoet and accessible only by opening the front door. All M vCOMING 3A TP MCCB 10kA A TP MCCB 10kA Make in Ternsaki Japan/Schneider Eush zho shoet and accessible only by opening the front door. All M vCOMING A TP MCCB 10kA Make in Ternsaki Japan/Schneider Eush zho shoet and accessible only by opening the front door. All M vCOMING A TP MCCB 10kA Make in Ternsaki Japan/Schneider Eush zho shoet and accessible only by opening the front door. All M vCOMING A TP MCCB 10kA The shoet and cases are shoet and cases are shoet and case are shower w	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copport of in cubicats asamt founting, insulation th with floxibilic coppr finished with alectr dlo, all five part cover any materials comple all be installed insis CCBs shall be rated Terasaki Japan/I Terasaki Japan/I ANEL BOARD-(Gyr netuding 400A Malin in cubical asamt bo, Floor/Waß Mou anni, door to body terusted, zinc phos hinged door, lockal , inchuding cost of a sabi Japan/Schneic protective sheet as Terasaki Japan/I hinkeding cost of a sabal Japan/Schneic protective sheet as Terasaki Japan/I Centes/Centes	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with StekKeNS, P class 600VAC, Incom or cablo, system volti ind with safty sheet, in to in all respecturent ind with safty sheet, in to in all respecturent is tho panel having a at 50oC. Legrand/Schneider amsco/Eqv msco/Eqv msco/Eqv chneider/Eqv. Legrand/Schneider hate+OPD}-Normal w copper bus bar Suita le dwith StekKeNS, P niting, Insulation cla Earth with floxible c for Eu/Mitsubishi Jap nd accessible only by Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing age 415VAC, youtgoing age 415VAC, further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 No. 05 Nos 05 Nos	2	Each.		
00	12 SM F and k A R C 1234 5 1 Sub and System 1 1 1 34		buildeding SA TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE Jandradion, lesting commissioning of 60A-LIGHY DISTRE Jandradion Jandradion, lesting commissioning of 60A-LIGHY DISTRE Jandradion Jandradion SWG midel stant shoul faorificated Inducer Type, Wall N Jandradion Jandr	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) di n cubicals asamt founting, Insulation th with floxibile copp finished with detet die, all live part cove ary materials complet all be installed insit CCBs shall be rated Terasaki Japan/I Entes/Ce GGT/Co Himel/Scd Terasaki Japan/I ANEL BOARD-(Gyi netuding 400A Main di n cubicals asamb finged door, lockal , including cost of a ssaki Japan/Schneic protective sheet as Terasaki Japan/Schneic protective sheet as Terasaki Japan/Schneic	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Ide with SIEMENS, P class 600VAC. Incom for cablo, system valti to-static powder ceall ind with safty sheet, in to in all respeCurrent is to powder ceall ind with safty sheet, in to in all respeCurrent is to powder ceall in or with safty sheet, in the ind panet having a at 500C. Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv Legrand/Schneider inder Deport bus bar Suita lod with SIEMEND, Pa Earth with SieMEIND, Pa Earth with Siemer and Sie Earth with Siemer and Sie Sie Culture and Sie Sie Culture and Sie	02 Nos 01 Nos rom MAIN & to For Each EMPAK,PEL ing/Outgoing gg 415VAC, gg of 70-100 tomal control Transformer further M.S. 01 No. 01 No. 03 Nos. 03 Nos. 04 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No.	2	Each		
00	1235 A Francis A Production 1234 5 1 S400 State System 117 345		DJ EGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting cominissioning of 40A-LIGHY DISTRE a, Indication, Lamp, Institument Protection Fuso, including infilterial kink as per ubove outgoing circuit brouker, installe of 16 SWG miled stant shout fuoricated. Indeer Type, Will A breach Top or Battern as per site requirement, door to body Ear 3-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, lockable han wer wring from protection & power, including cost of all necessa over MCCB3/MCBs, Make in Ternsaki Japan/Schneider Eush thys bhoet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA AS TP MCCB 10kA Make in Ternsaki Japan/Schneider Eush type shoet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA AS TP MCCB 10kA Make in Ternsaki Japan/Schneider Eush type shoet and accessible only by opening the front door. All M UCOMING 3A TP MCCB 10kA A TO INCCB 10kA Make in Ternsaki Japan/Schneider Eush type shoet and accessible only by opening the front door. All M UCOMING 3D TP MCCB 00kA A TO INCCB 10kA To Include 1/1/1010000 UTGOING 0/16/20A SP MCB 6/*A To Include 1/1010000 Y, installation, testing, commissionling of 400A SUB MAIN P. TP MCCB, Insturement Protection C autgoing circuit breaker, in typeCurrent Transformer All abovs NCCB/MCBs, Make in Torn BB Eushaft be installed inside the panel having a further M.S. toor. All MCCBs sholl be rated at 500C. 00A SUB MAIN PANEL BOARD-(Synae+OPD)-Nermal UCOMING 00A	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper I di ncubicals asami founting, insulation th with floxibile copp , finished with electr dle, all live part cove ary materials compliant and be installed insis CCBs shall be rated Terasaki Japan/I Entes/CL GGT/CO Hime/ScI Terasaki Japan/I ANEL BOARD-(Gyi nchuding 400A Malin 6, reloor/Waß Mou nent, door to body protective shoet as protective shoet as Terasaki Japan/I Entes/CL protective shoet as Terasaki Japan/I Castal School (Castal) protective shoet as Terasaki Japan/I Entes/CL GGT/Ca Entes/CL CCT/C	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with StekKeNS, P class 600VAC, Incom or cable, system volti ind with softy sheet, in or static powder cealt ind with softy sheet, in to in all respecturent is tho panel having a at SOoC. Legrand/Schneider amsco/Eqv msco/Eqv maco/Eqv noider/Eqv. Legrand/Schneider maco/Eqv matad, finished with ble handle, all two par II necessary materials brated, finished with ble handle, all two par II necessary materials of Eu/Mitsuishi Jap nd accessible only by Legrand/Schneider imsco/Eqv msco/Eqv msco/Eqv msco/Eqv	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing age 415VAC, gg of 70-100 temal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 Nos 04 Nos 05 600VAC, oppor cable. 1 coverd with c complete in an/Legarand opening the 01 No. 01	2	Each		
00		CGGG PPIPE As a second state of the second sta	DJ GOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE j, Indication, Lamp, Instantment Hortection Fusio, including i/Neurol 8 lak as der ubovo outgoing circuit brauker, installe of 16 SWG midel stant shout fuoricated Indion Type, Wall N orien Top or Battom is per size requirement, door to body Ear j, Phase 4-Wire, degreased and derusted, zinc phosphated, n thickness in approved colour with hinged door, lockable han erv wiring from protection 8 power, including cast of all necessis over MCCB3/MCBs, Make in Terasuki Japan/Schneider Eush the shoet and accessible only by opening the front door. All M VCOMING 3A TP MCCB 10kA light Volt Meter 0-600V foil Solector Switch hase Indication Lamps (F Y+11) A Control MCB for Lamps (F Y+11) P MCCB, Instrument Protection C outgoing circuit breaker, installed of 16 SWG mixed stoll a bast fabricated, inder Typing/Outgo connection to put Botom as per ior roquireer	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport I di n cubicals asamt founting, Insulation th with floxibilic coppr finished with dectri die, all live part cover ary materials complet all be installed insig CCBs shall be ratadod Terasaki Japan/I Entes/CC GGT/Cc Hime/Sci Terasaki Japan/I ANREL BOARD-(Gy) Terasaki Japan/I Santo BoARD-(Gy) Terasaki Japan/I st n cubicals asamb o, Floor/Wall Mou ferusted, zinc phos philoged door, lockal protective sheet an Terasaki Japan/Schneic protective sheet an Terasaki Japan/Schneic protective sheet an Terasaki Japan/Schneic protective sheet an Terasaki Japan/I Entes/Cr GGT/Co Entes/Cr	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Ide with SIEMENS, P class 600VAC. Incom Ior cablo, system valti to-static powder coali no with safty sheet, in to in all respeCurrent is to powder coali regrand/Schneider msco/Eqv msco/Eqv msco/Eqv msco/Eqv coppor bus bar Suita led with SIEMENS, P coppor bus bar Suita led with SIEMENS, P coppor bus bar Suita led with SIEMENS, P coppor bus bar Suita led with SIEMENS, P accessible only by segrand/Schneider II necessary materials for Eu/Mitsubishi Jap nd accessible only by segrand/Schneider umsco/Eqv msco/Eqv msco/Eqv	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing orge 415VAC, ng of 70-100 ternal control Transformer Transformer Transformer further M.S. 01 No. 01 No. 03 Nos. 03 Nos. 04 No. 01 No.	2	Each		
00			DJ EGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting cominissiphing of 40A-LIGHY DISTRE a, Indication, Lesting cominissiphing of 400A-LIGHY DISTRE a, Indication, Lesting cominissiphing of circuit brouker, installed a, Phase 4-Wire, degreasce and derusted, zinc phosphated n thickness in approved colour with hinged door, lockable hanker wining from protection & power, including cost of all necessione ave MCCB3/MCB3, Make in Ternsaki Japan/Schueider Eusish ave MCCB10KA ASA TP MCCB 10kA bigital Velt Meter 0-500V bil Selectro Switch has	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) di ncubicals asami founting, insulation th with floxibil copper finished with decit die, all live part cove ary materials compliant all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CL GGT/CO Hime/Scl Terasaki Japan/I ANEL BOARD-(Gyi nchuding 400A Main 5, Floor/Wa8 Mou nent, door to body forusted, zinc phos hinged door, lockal , inchuding cost of a spotective sheet an Terasaki Japan/I Entes/CL GGT/CO GGT/CO GGT/CO GGT/CO Floor	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with StekKeNS, P class 600VAC, Incom for cable, system volti ind with safty sheet, in to in all respeCurrent is tho panet having a at SOoC. Legrand/Schneider Imsco/Eqv msco/Eqv msco/Eqv noider/Eqv copper bus bar Suita Phated, finished with ble handle, all two par II necessary materials on Eu/Mitschish Jap nd accessible only by Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv	02 Nos 01 Nos rom MAIN & to For Each EMPAK, PEL ing/Outgoing nge 415VAC, ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 24 Nos. 24 Nos. 24 Nos. 24 Nos. 30 Nos. 03 Nos. 04 No. 01 No.	2	Each		
00	1 2 3 5 M # 4 6 0 m & A 7 0 1 2 3 4 5 1 S 40 5 1 1 5 9 5 8 1 2 10 1 1 1 3 4 5 6 7		DJ GOING 3A TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE 3, Indication, Lamp, Instancement Protection Fusio, anduding Photomatical lake as der above outgoing circuit broaker, installe of 16 SWG mildel stant shout faorficated. Indicer Type, Wall M circle Top or Bettern is per site requirement, door to body Ear , 3-Phase 4-Wire, degreased and derusted, zinc phosphated, in thickness in approved colour with hinged door, lockable han wer wing from protection & power, including cast of all necess- ove MCCBs/MCBs, Make in Terasuki Japan/Schneider Eush zine sheet and accessible only by opening the front door. All M VCCMING 3A TP MCCB 10kA Species (Stream) Jigdal Volt Meter 0-600V Species (Stream) Yet Selector Switch Hase Indication Lamps (R * Y+II) A Control MCB for Lamps (R * Y+II) Species (Stream) A Control MCB for Lamps (R * Y+II) Species (Stream) A Control MCB for Lamps (R * Y+II) Species (Stream) Diff20A SP MCB 6/m Y, installation, tosting, commissionling of 400A SUB MAIN P; TP MCCB, Instrument Protection C outgoing circuit breaker, installed of 16 SWG connection op as outgoing circuit breaker, installed of coating of 70-100 micron thickness in approved colour with sheet, internal control 5 power wing from protection 8 power, ppcCurrent Transformer All above MCCB/MCBs, Make in Terr B Eushalbe installed inside rine panel having a further M.S. toor, All MCCB shall be onstalled inside rine panel having a further M.S. toor, All MCCB 25KA Species Mallow (Moc)	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport I d in cubicals asamt founting, Insulation th with floxibilic coppr finished with dectri die, all live part cover ary materials complet and be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GGT/Co Hime/Sci Terasaki Japan/I Terasaki Japan/I Terasaki Japan/I ANEL BOARD (Gy) Terasaki Japan/I an cubicals asamb o, Floor/Waß Mou ent. door to body terusted, zinc phos hinged door, tockal protective sheet as Terasaki Japan/Schneic protective sheet as Terasaki Japan/Schneic gGT/Co Entes/CC GGT/Co	egrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cablo Suitab Ide with SIEMENS, P class 600VAC. Incom Ide with safty sheet, In to in all respecturent ie tho panet having o at SOC. Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv Logrand/Schneider msco/Eqv Logrand/Schneider msco/Eqv Inde Arther Logrand/Schneider I necessary materials for Eu/Mitsubishi Jap nd accessible only by Legrand/Schneider I necessary materials for Eu/Mitsubishi Jap nd accessible only by Legrand/Schneider Imsco/Eqv msco/Eqv msco/Eqv Materia	02 Nos 01 Nos rom MAIN & to For Each to For Each EMPAK, PEL ing/Outgoing oge 415VAC, year of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 No. 03 Nos. 04 No. 05 Nos. 05 Nos. 05 Nos. 06 No. 01 No. 03 Nos	2	Each		
	1 2 3 5 M m a c 50 k 4 a pr 1 2 3 4 5 1 5 4 th a c 5 3 9 5 m a c 5 1 3 4 5 6 7		DJ EGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting cominissiphing of 40A-LIGHT DISTRE a, Indication, Lesting cominissiphing of 400A-LIGHT DISTRE a, Indication, Lesting cominissiphing of cubit brouker, installation a, Phase 4-Wire, degreasce and derusted, sine phosphated nichteess in approved colour with hinged door, lockable han iteriaski Japan/Schneider Eusish ave MCCB3/MCB3, Miske in Ternsaki Japan/Schneider Eusish ave MCCB3/MCB3, Miske in Ternsaki Japan/Schneider Eusish ave MCCB10kA bigial Velt Meter 0~500V bigial Velt Meter 0~500V bigial Scheder Switch hase Indication Lamos (F Y18) A Control MCB for marking of 400A SUB MAIN P/ TP MCCB, Insturement Protection C autgoing circul breaker, installed of 16 SWG miked steal sheut fabricated, Indeer Type, ing/Outgoing concetion Top to Bottom as per site requirer n voltage 415VAC, 50HZ, 3 Phaser 4-Wwe, degreased and corder or coating of 70-100 micron thickness in approved colour wi	Terasaki Japan/I Terasaki Japan/I UTION BOARD (Li 60A Main copper) d in cubicals asamt founting, insulation th with floxibile copper and the state of the same and the same same and the same same cCBs shall be installed insis CCBs shall be insis Terasaki Japan/I ensist Japan/I Ensist/CBS same Teraseki Japan/I Same Teraseki Japan/I Same	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with StekKeNS, P class 600VAC, Incom for cable, system volti ind with safty sheet, in to in all respeCurrent is tho panet having a at 50oC. Legrand/Schneider Imsco/Eqv msco/Eqv msco/Eqv Legrand/Schneider ata OPD)-Normal w copper bus bar Suita Polated, finished with ble handle, all two par II necessary materials and accessible only by Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv Motek	02 Nos 01 Nos rom MAIN & te For Each EMPAK, PEL ing/Outgoing ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 Nos 04 Nos 05 Kort EmPAK, PEL Sis 600VAC, opper cable, s 600VAC, opper cable, s 600VAC, opper cable, s 600VAC, opper cable, of No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos.	2	Each		
00	1 2 Sup Racio k A Bro 1 2 3 4 5 1 Sugar Sub		buildeding SA TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE B, Indication, Lamp, Instandment Protection Fuso, anduding All PMCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE B, Indication, Lamp, Instandment Protection Fuso, anduding All PMCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE B, Indication, Lamp, Instandment Protection Fuso, anduding article y, SPhase 4-Wire, degreased and derusted, zinc phosphated, n thickness in approved colour with hinged door, lockable han every wing from protection & power, including cast of all necessis over MCCB3/MCBs, Make in Terasuki Japan/Schneider Eush the sheet and accessible only by opening the front door. All M VCOMING SA TP MCCB 10kA ligital Volt Meter 0-600V fell Selector Switch hase Indication, Lamps (R * Y+II) A Control MCB for Lamps (R * Y+II)	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport of din cubicats asamt founting, Insulation the with floxibilic coppr finished with dectri die, all live part cover ary materials complet and be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GCT/Cc Hime/Sci Terasaki Japan/I Terasaki Japan/I Terasaki Japan/I ankLing CCT/Cc Hime/Sci Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid Terasaki Tarasaki	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bai/Cable Suitab Ind with StatKENS, P class 600VAC, Incomi or cablo, system volti- notion all respoCurrent is the panel having a at 50oC. Legrand/Schneider egrand/Schneider msco/Eqv msco/Eqv msco/Eqv coppor bus bar Suita lod with SteMENS, P niting, Insuftavible c phatad, finished with ble hacesary materials for Eu/Misubishi Jap d accessible only by Legrand/Schneider msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv msco/Eqv Motok	02 Nos 01 Nos rom MAIN & to For Each to For Each EMPAK, PEL ing/Outgoing oge 415VAC, 90 of 70-100 ternal control Transformer further M.S. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 Nos 05 Nos 05 Nos 06 Nos 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos.	2	Each		
	1 2 Sup na coùi c A a ci 1 2 3 4 5 1 Sub ci a sy soft : 1 1 3 4 5 6 7 8		DU IGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting cominissiphing of 40A-LIGHT DISTRE a, Indication, Lesting cominissiphing of 400A-LIGHT DISTRE a, Indication, Lesting cominissiphing of circuit brouker, installed a, Phase 4-Wire, degreasce and derusted, sine phosphated n thickness in approved colour with hinged door, lockable hanker wining from protection & power, including cost of all necessione ave MCCB3/MCB3, Mike in Ternsatil Japan/Schneider Eusith ave MCCB10KA ASA TP MCCB 10kA bigital Volt Meter 0-500V bital Stroke 5 PMCB 6P/A	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) di ncubicals asami teunting, insulation th with floxibile copper and the same same same and the same same same and the same same same cCBs shall be installed insis CCBs shall be installed insis Terasaki Japan/I anEL BOARD-(Gyi netuding 400A Main 5 rioor/Wa8 Mou nent, door to body including cost of a protective sheet in protective sheet in Terasaki Japan/I Entes/CL GGT/C2 Floor Terasaki Terasaki Terasaki	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with Staff Scheider Scheider Ind with safty sheet, in to in all respecturent ind with safty sheet, in to in all respecturent is tho panet having a lat SoeC. Legrand/Schneider Imsco/Eqv msco/Eqv msco/Eqv Legrand/Schneider Incider/Eqv Legrand/Schneider act OPD)-Normal w copper bus bar Suita Earth with flaxible cla Earth with flaxible cla E	02 Nos 01 Nos rom MAIN & tle For Each EMPAK, PEL ing/Outgoing nge 415VAC, ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 Nos 04 Nos 05 Control EMPAK, PEL Sis 600VAC, opper cable, s 600VAC, opper cable, s 600VAC, opper cable, of No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos.	2	Each		
	1235 A # 200 K & 2 A P 1234 5 1 S 40 C a C 5 S 6 S 4 2 C 1		buildeding SA TP MCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE S. Indication, Lamp, Instandment Protection Fusio, including Phase 1 All PMCCB 10KA (SPARE) y, installation, lesting commissioning of 60A-LIGHY DISTRE S. Indication, Lamp, Instandment Protection Fusio, including Phase 4 All Phase 4 Sympassion 1 Sympassion 2 Sympassin 2 Sympassin 2 <td>Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport of in cubicals asamt founting, Insulation the with floxibilic coppr finished with dectri die, all live part cover ary materials complet all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GCT/Cc Hime/Sci Terasaki Japan/A mxEL BOARD (Gy) Terasaki Japan/A ankLi BOARD (Gy) Terasaki Japan/Schneid protective sheet an the cubical sasmb o, Floor/Waß Mou terusted, zinc phos shinged door, lockal protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid Terasaki Japan/Schneid</td> <td>Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bai/Cable Suitab Ind with StekeNS, P class 600VAC, Incomi or cablo, system volti- notion all respocturent is the panel having a at 50oC. Legrand/Schneider antsco/Eqv misco/Eqv misco/Eqv misco/Eqv coppor bus bar Suita legrand/Schneider anae-OPD)-Normal w coppor bus bar Suita le dwith SteMENS, P niting, Insuitation cla Earth with Robible c phatad, finished with ble hacesary materials for Eu/Misubishi Jap di accessible only by Legrand/Schneider misco/Eqv misco/Eqv misco/Eqv misco/Eqv Motok /Schneider</td> <td>02 Nos 01 Nos rom MAIN & to For Each to For Each to For Each to For Each to For Each to For Each to For Each ng/Outgoing oge 415VAC, ng of 70-100 to mail to for the for the for the for the for the for the for the f</td> <td>2</td> <td>Each</td> <td></td> <td></td>	Terasaki Japan/I Terasaki Japan/I UTION BOARD (L) 60A Main copport of in cubicals asamt founting, Insulation the with floxibilic coppr finished with dectri die, all live part cover ary materials complet all be installed insis CCBs shall be rated Terasaki Japan/I Entes/CC GCT/Cc Hime/Sci Terasaki Japan/A mxEL BOARD (Gy) Terasaki Japan/A ankLi BOARD (Gy) Terasaki Japan/Schneid protective sheet an the cubical sasmb o, Floor/Waß Mou terusted, zinc phos shinged door, lockal protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid protective sheet an Terasaki Japan/Schneid Terasaki Japan/Schneid	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bai/Cable Suitab Ind with StekeNS, P class 600VAC, Incomi or cablo, system volti- notion all respocturent is the panel having a at 50oC. Legrand/Schneider antsco/Eqv misco/Eqv misco/Eqv misco/Eqv coppor bus bar Suita legrand/Schneider anae-OPD)-Normal w coppor bus bar Suita le dwith SteMENS, P niting, Insuitation cla Earth with Robible c phatad, finished with ble hacesary materials for Eu/Misubishi Jap di accessible only by Legrand/Schneider misco/Eqv misco/Eqv misco/Eqv misco/Eqv Motok /Schneider	02 Nos 01 Nos rom MAIN & to For Each to For Each to For Each to For Each to For Each to For Each to For Each ng/Outgoing oge 415VAC, ng of 70-100 to mail to for the for the for the for the for the for the for the f	2	Each		
	1235 A trace of the A		DU IGOING 3A TP MCCB 10KA 3A TP MCCB 10KA (SPARE) y, installation, lesting cominissiphing of 40A-LIGHT DISTRE a, Indication, Lesting cominissiphing of 400A-LIGHT DISTRE a, Fhase 4-Wire, degreascal and derusted, sinc phosphatado, in bickness in approved colour with hinged door, lockable hanker wining from protection & power, including cost of all necessione MCCB3/MCBs, Miske in Ternsaki Japan/Schneider Eusish a, TP MCCB 10kA bigital Volt Meter 0~500V old Selector Switch hase Indication Lamos (F Y18) A Control MCB for marking of 400A SUB MAIN P/ TP MCCB, Insturement Protection C autgoing circul breaker, installed of 16 SWG miked steal sheut fabricated, indeer Type, ing/Outgoing connection Top to Bottom as per site requirer n voltage 4 TSVAC, 5042, 3 Phase - 4Wwe, degreasd and correating of 70-100 micron thickness in approved colour with sheet, internal control & power, wining from protection & power. ingleCurent Transformer All above ALCEB/MCBB, Make in Torns BE ushab be installed inside the panel having a further M.S. ingleTo-100 micron thickness in approv	Terasaki Japan/I Terasaki Japan/I UTION BOARD (LI 60A Main copper) di ncubicals asami teuning, insulation th with floxibile copper and the same same same and the same same same and the same same same cCBs shall be installed insis CCBs shall be insis Terasaki Japan/I Entes/CL GCT/C2 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Legrand/Schneider Legrand/Schneider Legrand/Schneider DB) with Incoming F Dus bat/Cable Suitab Ind with StekKeNS, P class 600VAC, Incom for cable, system volti ind with safty sheet, in to in all respeCurrent is tho panet having a lat SooC. Legrand/Schneider Imsco/Eqv msco/Eqv msco/Eqv Legrand/Schneider maco/Eqv Legrand/Schneider maco/Eqv li necessary materials and accessible only by Legrand/Schneider msco/Eqv msco	02 Nos 01 Nos rom MAIN & tle For Each EMPAK, PEL ing/Outgoing ng of 70-100 temal control Transformer further M.S. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 04 Nos. 04 Nos. 01 No. 01 No. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos. 03 Nos.	2	Each		

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Sub Divisional Officer, Buildings Sub Division SHORKOT У

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			Discription Of Floetrical	Equipment.		Onv.	Unit	Rate	Amo			
ar.# 8.00	Su		ny installation testing commissionion of 100A-POWER DISTRI	BUTION BOARD (PDB) with Incoming	From MAIN &	1		THEIG	1 100			
	SA	MP	PB, Indication Lamp, Insturement Protection Fuse, including 1	00A Main copper bus bar/Cablo Suita	ble For Each							
	Shin D, Matalah Einkas, anatomical relation and the metal of the second											
	Imake, of 16 SWG mild steel sheet fabricated, Indeer Type, Wall Mountine, Insulation class 600VAC. Incoming/Outgoing								•			
	0	onn	nection Top or Bottom as per site requirement, door to body Earl	In with flexibile copper cable, system volt	lage 415VAC,				ł			
	50	ж	Z, 3-Phase 4-Wire, degreased and derusted, zinc phosphated,	finished with electro-static powder coat	ing of 70-100		ļ					
	mi	icn	on thickness in approved colour with hinged door. lockable hand	tie, all live part coverd with safty sheet, it	nternal control				1			
	8	po	ower wring from protection is power, including cost of all nee	cessary materials complete in all respo	sci, Ali above							
	M	ćc	Bs/MCBs, Make in Terosaki Japan/Schneider Eulshall be insta	illed inside the panel having a further N	I.S. protective							
	sh	100	at and accessible only by opening the front door. All MCCBs shall	be rated at 50oC.					i			
	+	-1	INCOMING				I					
	11	T	100A TP MCCB 10kA	Terasaki Japan/Legrand/Schneider	01 No.		I					
	2	1	Digital Volt Meter 0~600V	Entos/Comsco/Eqv	01 No.		Ι					
	3	Т	Volt Selector Switch	GGT/Camaco/Eqv	01 No.							
	4		Phase Indication Lamps. (R+Y+B)	Himel/Schneider	03 Nos.				<u> </u>			
	5	j.	6A Centrel MCB for Instrument Protection	Terasaki Japan/Legrand/Schneider	03 Nos.	<u> </u>			.			
	<u> </u>	_	OUTGOING			⊢						
	11	1	20/16/10A SP MCB 6KA	Terasaki Japan/Legrand/Schneider	21 Nos.	<u> </u>			I——			
	2	21	32A TP MCB 6KA		UZ NOS.	4	Each.		ł			
00	Su	upp	ply, installation, testing commissioning of 250A SUB MAIN PA	NEL BOARD-(Gynae+OPD), with Incor	ning 250A TP				ł			
	M	çç	CB, Insturement Protection & outgoing circuit breaker, including	250A Main copper bus bar Suitable S	ize: For Each				ł			
	Ph	has	se/Netural & link as por outgoing circuit breaker, installed in cut	bicals asambled with SIEMENS, PEMPA	K,PEL make.				F			
	of	16	6 SWG miled steel sheet fai ricated, Inddor Type, Floor/Wall Mi	ounting, Insulation class 600VAC, Incon	ning/Outgoing							
	μ	nn	nection Top or Bottom as per site requirement, door to body Eart	h with flexibile copper cable, system vol	lage 415VAC.				1			
	50	эн;	7 3-Phase 4-Wire, degreased and derusted zinc phosphated,	finished with electro-static powder cost	ing of 70-100							
	m	Cri	on Inickness in approved claus with hinged duer, lockable hand	tle, all live part coverd with safty sheet, in	nternal control							
	8	ро	ever wiring from protection & power., accluding cost of all necessa	ary materials complete in all respeCurren	t Transformer							
	A	l a	bove MCCBs/MCBs. Make in Terrisaki Japan/Schneider Eu /Mit	subishi Japon/Legarand Eu/ABB Eu.sha	all be instatled							
	Int	sid	to the panel having a turther M.S. protective sheet and accessib	to only by opening the front door. All MC	CCBs shall be							
	rat	toc	d at 50oC						1			
	 	Т	SUB MAIN PANEL BOARD- (GYNAE+OPD)-EMERGENCY		T				1			
_	+	-t	INCOMING		1	i —	1		t—–			
~ ~	+;	-ł	250A TP MCCB 25KA	Terasaki Japan/Leorand/Schneider	01 No		1		† – –			
-	╈	H	Digital Vall Meter 0=600V	Fotos/Comeco/Fov	01 No	l	1		<u> </u>			
_	+4	+	Volt Selector Switch	CGT/Comrection	01 No.	f	1					
	╇	4	Voli Selector Switch		01 No.		<u> </u>					
	ا ا	4	Digital Ampore Motor	Entos/Lamsco/Eqv	01 NO.	<u>-</u>	<u> </u>		<u> </u>			
	15	4	Ampere Selector Switch	GGI/Camsco/Eqv	01 NO.	I	 					
_	16	4	Current Transformer 250/5A	Pico/Metelx	U3 Nos.							
	17	-	Indication Lights (R+Y+B)	Himel/Schneider	U3 Nos.	I—		_	<u> </u>			
	<u> B</u>	5 11	BA Control Fuse for Protection	Terasaki/Schneider	03 Nos.				 			
	⊢	4	OUTGOING			ļ						
	1	4	63A TP MCCB 10KA For DB's	Terasaki Japan/Legrand/Schneider	04 Nos	 			<u> </u>			
	12	<u> </u>	63A TP MCCB 10KA (SLARE,									
00	2 163A IP MCCB 10KA (3) ARE. Terasaki Japan/Legrand/Schneider 01 Nos 1 Each.											
	Su	JPF	ply, installation, testing, commissioning of 60A-DISTRIBUTION	BOARD (LDB) with Incoming From M	I 01 Nos AIN & SMPB,	1	Each.					
	Inc	dic	ply, installation, testing commissioning of 60A-DISTRIBUTION ation Lamp, Insturament Protection Fuse, including 60A Main or	BOARD (LDB) with Incoming From M appor bus bar/Cable Suitable For Each f	<u>01 Nos</u> AIN & SMPB, Phase/Netural	1	Each.					
	Inc 8	dic kni	ply, installation, testing commissioning of 60A-DISTRIBUTION ation Lamp, Insturement Protection Euse, including 60A Main or k as per above outgoing circuit breaker installed in cubicals as	BOARD (LDB) with Incoming From M appor bus bar/Cable Suitable For Each f sembled with SIEMENS, PEMPAK, PEI	<u>01 Nos</u> AIN & SMPB, Phase/Netural L make, of 16	1	Each.					
	Inc & I SV	upp dic kni	ply, installation, testing commissioning of 60A-DISTR/BUTION pation Lamp, Insturement Protocition Fuse, including 60A Main oc A as por above outgoing circuit breaker installed in cubicals as 5 milled steel sheet tablicated, indoor Type, Wal Mounting, Inst	BOARD (LDB) with Incoming From M poper bus bar/Cable Suitable For Each / ssombled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoin	<u>01 Nos</u> AIN & SMPB, Phase/Netural L make, of 16 ag connection	1	Each.					
	Inc & I SV To	upp dic kni N(ply, installation, testing commissioning of 60A-DISTR/BUTION pation Lamp, Insturement Protoction Fuse, including 60A Main oc k as per above outgoing circuit breaker installed in cobicats as 3 milled steat sheet tabincated, indioor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flexi	BOARD (LDB) with Incoming From M poper bus bar/Cable Suitable For Each / ssembled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoit bile copper cable, system voltage 415V	U. 01.Nos AIN & SMPB, Phase/Netural L make. of 16 ag connection (AC, 50HZ, 3-	1	Each.					
	Su Inc & I SV To Ph	upp dic kni NC pp	ply, installation, testing commissioning of 60A-DISTRIBUTION lation Lamp, Instrument Protoction Fusio, including 60A Main oc k is per above outgoing circuit breaker installed in cubicals as 3 miled steat sheet tablicated, Indoor Type, Wa3 Mounting, Insi or Bottom as per site requirement, door to body Earth with flext 5 4-Wire, degressing and datusted, zinc choschatob, finished	BOARD (LOB) with Incoming From M. BOARD (LOB) with Incoming From M. spore bus bar/Cable Suitable For Each I sambled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Dutgot ibile copper cable, system voltage 415V with electro-static powder cabling of 7	01.Nos AIN & SMPB, Phase/Netural L make. of 16 ag connection (AC, 50HZ, 3- (0-100 micron	1	Each.					
	Su Inc & I SV To Ph Ibi	Jpp dic kni AVC pp tas ick	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main oc k us per above outgoing circuit breaker installation in cubicals as 3 miled steel sheet tabhcatad, indion Type, Wal Mounting, Ins or Bottom as per site requirement, door to body Earth with flexi so 4-Wire, degressed and douxted, zinc phosphatod, finished incess in approved colour with hinged door, locabato handlo, a	BOARD (LOB) with Incoming From M BOARD (LOB) with Incoming From M sombled with SIEMENS, PEMPAK, PEI ulation dass 600VAC, Incoming/Outgoit bile copper cable, system voltage 415V with dectro-static powder coating of 7 like part coverd with safe sheet, into	U.01.Nos AIN & SMPB, Phase/Netural L make, of 16 ag connection (AC, 50HZ, 3- (0-100 micron mal control &	1	Each.					
	Su Inc & I SV To Ph Ihi OU	ipp dic kni AVC pp has ick	ply, installation, testing commissioning of 60A-DISTR/BUTION action Lamp, Insturement Protoction Fuse, including 60A Main oc A is por above outgoing circuit breaker installed in cubicals as 5 miled steel sheet tabicated, indoor Type, Wal Mounting, Ins or Bottom as per site requirement, door to body Earth with flexi se 4-Wire, degressed and delusted, zinc phosphated, finished ness in approved colour with hinged door, lockable handlo, a er wind from protection & power, including cost of all nees	BOARD (LOB) with Incoming From M BOARD (LOB) with Incoming From M sppor bus bar/Cable Suitable For Each / issembled with SIEMENS, PEMPAK, PEI ulation ctass 600VAC, Incoming/Outgoit bile coppor cable, system voltage 415V with efectro-static powder coating of 7 Il live part coverd with safty shoel, into essayr materials computete in all appe	U.01.Nos AIN & SMPB, Phase/Netural L make, of 16 ag connection (AC, 50HZ, 3- (0-100 micron mal control & c1, All above	1	Each.					
	Su Inc & I SV To Ph Ihi pu M	ipp dic kni AVC p has ick owe	ply, installation, testing commissioning of 60A-DISTRIBUTION tation Lamp, Instrument Protoction Fuse, including 60A Main oc k us per above outgoing circuit breaker installed in cubicals as 3 miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so 4-Wire, degressed and doubted, zinc phosphatod, finished ness in approved colour with hinged door, lockable handle, a er wiring from protection & power, including cost of all nec- BayMCBs. Make in Torsaki, Japant/Schneder Eurostall be instal	BOARD (LDB) with Incoming From M. BOARD (LDB) with Incoming From M. sport bus bar/Cable Suitable For Each / issembled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoir bible copper cable, system voltage 415V with electro-static powder coating of 7 Il live part coverd with safty sheet, into essary materials complete in all aspe	1.01.Nes AIN & SMPB, Phase/Netural L make. of 16 ing connection (AC, 50HZ, 3- (0-100 micron mai control & cl. All above LS, protective	1	Each.					
	Su Inc & I SV To Ph Ihi pu M(PF dic kni AC p has ick CC	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main oc k os per above outgoing circuit breaker installad in cobicals as S miled steel sheet tabhcated, indoor Type, Wa3 Mounting, Insi or Bottom as per site requirement, door to body Earth with flexi se 4-Wire, degreased and derusted, zinc phosphated, finished iness in approved colour with hings door, locatable handlo, a er wiring from protection & power, including cost of all nec- BasMCBs, Make in Terasaki Japan/Schender Eulshall bo finitat and acressible on the one-ping the front door. All MCCBs shall be finitat	Terstan Japan Legitan Schnieder BOARD (LDB) with Incoming From M sombled with SIEMENS, PEMPAK, PEI utation dass 600VAC, Incoming/Outgoit ble copper cable, system voltage 415V with electro-static powder coating of 7 Il live part coverd with safty sheet, into essary materials complete in all aspe illed inside the panct having a further M be rated at Soc.	1.01.Nos AIN & SMPB, Phase/Netural L make. of 16 bg connection (AC, 50HZ, 3- (0-100 micron mal control & cl. All above I.S. protective	1	Each.					
	Su Inc & I SV To Ph Ihi pu M(sh	ACC ACC ACC ACC ACC ACC ACC ACC ACC ACC	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Insturament Protoction Fuse, including 60A Main oc & as per above outgoing circuit breaser installed in cubicals as 5 miled steel sheet tabhcatad, Indoor Type, Wal Mounting, Ins- or Bottom as per site requirement, door to body Earth with flexi se 4-Wire, degreased and delusted, zwic phosphatod, finished mess in approved colour with hinged door, lockable handle, and re wiring from protection & power, including cost of all nec- 285/MCBs, Make in Terasaki Japan/Schneider Eulshall be insta at and accessible only by opening the front door. All MCCBs shall incocoming	BOARD (LOB) with Incomming From M BOARD (LOB) with Incomming From M spper bus bar/Cable Suitable For Each 1 issembled with SIEMENS, PEMPAK, PEI Julation class 600VAC, Incoming/Outgoit bile capper cable, system voltage 415V with electro-static powder caating of 7 Il live part coverd with safty sheet, inte essayr materials complete in all aspe- tiled inside the panet having a further M be rated at 50oC.		1	Each.					
	SU SV To Ph Ihi Ph SV SV SV SV SV SV SV SV SV SV SV SV SV	ACC CC	ply, installation, testing commissioning of 60A-DISTRIBUTION tation Lamp, Instrument Protoction Fusio, including 60A Main oc k us per above outgoing circuit breaker installed in cubicals as 3 miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so 4-Wire, degressed and doubted, zinc phosphatod, finished ness in approved colour with hinged door, lockable handle, a er wiring from protection & power, including cost of all nec- 28s/MCBs, Make in Torasaki Japan/Schneider Eushall be install be install be done tand accessible only by opening the from door. All MCCBs shall INCOMING	BOARD (LDB) with Incomming From M BOARD (LDB) with Incomming From M spor bus bar/Cable Suitable For Each / isombled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoit bile capper cable, system voltage 415V with dectro-static powder coating of 7 Il live part coverd with safty sheet, into essary materials complete in all aspe (Idd inside the panct having a further M be rated at 50oC.		1	Each.					
	SU Inc & I SV To Ph Ihi pu M(sh	A C P P P P P P P P P P P P P P P P P P	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Instrumment Protection Fuse, including 60A Main oc k os por above outgoary circuit breaker installation in cobcals as S miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Insi or Bottom as per site requirement, door to body Earth with flexi see 4-Wire, degreased and deruster, zinc phosphated, finished iness in approved colour with hingu door, locitable handle, a er wiring from protection & power, including cost of all nec DB3/MCBs, Make in Torasaki Japan/Richneider Eulshall be insta t and accessible only by opening the front door. All MCCBs shall NCOMING.	Tersaki Japan Legrand Schneider BOARD (LOB) with Incoming From M sombled with SIEMENS, PEMPAK, PEI utation dass 600VAC, Incoming/Outgoit ble copper cable, system voltage 415V with electro-static powder coating of 7 Il live part coverd with safty sheet, into essary materials complete in all aspe Illed inside the panct having a further M be rated at 50oC. Tersashi Japan/Legrand/Schneider	AIN & SMPB, AIN & SMPB, Phase/Netural L make. of 16 ng connection (AC, 50HZ, 3- 0-100 micron mal control & ct. AII above I.S. protective		Each.					
	Inc & I SV To Ph Ihi pu M(sh 1 2	dic kni NC pask CC	phy, installation, testing commissioning of 60A-DISTRIBUTION sation Lamp, Instarement Protection Fuse, including 60A Main ock to us por above outgoing circuit breaker installated in cubicals as 3 miled steat sheet tabincated, indeor Type, Wa3 Mounting, Ins or Bottom as per site requirement, door to body Earth with flexis s 4-Wire, degression and daiusted, zwic phosphatod, finished insisted in approved colour with hinges door, lockable handle, a er wiring from protection & power, including cost of all nec DisMCBs, Make in Tersaki JapuntSchneider Eushall be insist at and accessible only by opening the front door. All MCCBs shall INCOMING 3A TP MCCB 10kA Digital Volt Meter 0-600V	BOARD (LOB) with Incoming From M spper bus bar/Cable Suitable For Each / ssembled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoit bile capper cable, system voltage 415V with electro-static powder caating 67 Il live part coverd with safty sheet, inter essayr materials complete in all aspe- lied inside the panet having a further M be rated at 50oC. TerasaN Japan/Legrand/Schneider Entes/Camsce/Equ	AIN 8 SMPB, AIN 8 SMPB, Phase/Netural L make. of 16 ng connection AC, 50H2, 3- 0-100 micron mat connicrol & ci. All above I.S. protective 01 No. 01 No.		Each.					
	Inc & I SV To Ph this po M(sh 2 3	dic lini	ply, installation, testing commissioning of 60A-DISTRIBUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main ock to us per above outgoary circuit breakar installad in cubicals as 3 miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so 4-Wire, degressed and datusted, zinc phosphatod, finished ness in approved colour with hingest door, lockable handle, a er wiring from protection & power, inclusting cost of all nec- 28s/MCBs, Make in Terasaki Japant/Schneider Eulishat be insta t and accessible only by opening the front door. All MCCBs shall INCOMING 63A TP MCCB 10kA Digital Volt Metar 0-600V Volt Selector Switch	BOARD (LDB) with Incomming From M spor bus bar/Cable Suitable For Each / sambled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoit bile capper cable, system voltage 415V with dicctro-static powder coating of 7 Il live part coverd with safty sheet, inte essary materials complete in all aspe lide inside the panet having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv Lide united to the state the state of the state of the state Entes/Camsco/Eqv	AlN & SMPB, AlN & SMPB, Phase/Notural L make. of 16 ng connection (AC, 50HZ, 3- 0-100 micron mal control & c1. All above L, S, protective 01 No. 01 No. 01 No. 01 No.		Each.					
	Inc Linc SV To Ph Ihi pu M(sh 1 2 3 4	option in the second se	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main oc k os por above outgoary circuit breaker installad in cobacits as 3 miled steat sheet tabincated, Indeor Type, Wa3 Mounting, Insi or Bottom as per site requirement, door to body Earth with flexi see 4-Wire, degreeased and deruster, zinc phosphated, finished ness in approved colour with hingu door, locitable handle, a er wiring from protection & power, including cost of all nec CB3/MCBs, Make in Torasaki Japun/Schneider Eulshall be insta and accessible only by opening the front door. All MCCBs shall INCOMING B3A TP MCCB 10kA Digital Volt Metar 0-680V Volt Selector Switch Phase Indication Lamps, (R+Y+B)	BOARD (LOB) with Inconsing From M BOARD (LOB) with Incoming From M somebad with SIEMENS, PEMPAK, PEI utation dass 600VAC, Incoming/Outgoin bile copper cablo, system voltage 415V with electro-static powder coating of 7 If live part coverd with safty sheet, into essay materials complete in all aspe- illed inside the panet having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv Hime/Schneider	AIN & SMPB, AIN & SMPB, Phase/Notural L make. of 16 og connection (AC, 50HZ, 3- 0-100 micron mal control & cl. AII above J.S. protective 01 No. 01 No. 01 No. 03 Nos.		Each.					
	Inc & I SV To Ph Ihi pu M(shi 2 3 4 5	A line line line line line line line line	phy, installation, testurg, commissioning of 60A-DISTRIBUTION tation Lamp, Instarement Protection Fuse, including 60A Main ock k us por above outgoing circuit breaker unstallad in cubicals as 3 miled steat sheet tabincated, Indeor Type, Wa3 Mounting, Ins or Bottom as per site requirement, door to body Earth with flexi so 4-Wire, degression and douisted, zinc phosphatod, finished insiss in approved colour with hinges door, tockable handle, a er wiring from protection & power, including cost of all nec- BarKDBS, Make in Toresaki Japant/Schneider EU.Shall be install and accessible only by opening the front door. All MCCBs shall INCOMING B3A TP MCCB B3A TP MCB B3A TP MCB B	BOARD (LOB) with Incosoning From M BOARD (LOB) with Incoming From M spper bus bar/Cable Suitable For Each / issembled with SIEMENS, PEMPAK, PEI ulation class 600VAC, Incoming/Outgoit bile capper cable, system voltage 415V with electro-static powder coating of 7 Il ive part coverd with safty sheet, inte essayr materials complete in all aspe Illed inside the panet having a further M be rated at 50oC. TerasaN Japan/Legrand/Schneider Entes/Camsco/Eqv Hime/Schneider TerasaXi/Schneider	AlN & SMPB, has/Notural L make. of 16 hag connection AC, 50HZ, 3- 0-100 micron mal control & 01 No, 01 No, 01 No, 01 No, 03 Nos. 03 Nos.		Each.					
	Su Inc SV To Phi Ihi pu M(sh 1 2 3 4 5	in in in in in it is a second	ply, installation, testarg commissioning of 60A-DISTRIBUTION tation Lamp, Instarament Protoction Fuse, including 60A Main ock to us per above outgoarg circuit breakar unstallad in cubcals as 3 miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so 4-Wire, degressed and datusted, zinc phosphatod, finished ness in approved colour with hinges door, loci.babe handlo, a er wiring from protection & power, inclusting cost of all nec- 2Bs/MCBs, Make in Torasaki Japunt/Schneider Eulshall be insta it and accessible only by opening the front door. All MCCBs shall INCOMING 63A TP MCCB 10KA Digital Volt Meter 0-600V Volt Selector Switch Phase Indication Lamps. (R+Y+B) 64 Control MCB for instrument Protection OUTGOING	Terasaki Japan/Legrand/Schneider BOARD (LDB) with Incoming From M spons bus bar/Cable Suitable For Each 1 isombled with SIEMENS, PEMPAK, PEI Julaion dass 600VAC, Incoming/Outgoir bile copper cable, system voltage 415V with dectro-static powder coating of 7 like part coverd with safty sheet, into essary materials complete in all espe illed inside the pench having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv Hime/Schneider Terasaki/Schneider	AlN & SMPB, AlN & SMPB, Phase/Notural L make. of 16 ng connection (AC, 50HZ, 3- 0-100 micron mal control & c1. All above (S, protective 01 No. 01 No. 01 No. 03 Nos. 03 Nos.		Each.					
	Su Inc & I SV To Ph Ihi pu M(shi 2 3 4 5	ipr dic lini AVC passick CC ick	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main oc k os por above outgoary circuit breaker installad in cobacits as 3 miled steat sheet tabincated, Indeor Type, Wa3 Mounting, Insi or Bottom as per site requirement, door to body Earth with flexi see 4-Wire, degreeased and derusted, zinc phosphated, finished ness in approved colour with hingu door, locitable handle, a er wings from protection & power, including cost of all nec- CB3/MCBs, Make in Torasaki Japun/Schneider Eulshall be insta i and accessible only by opening the front door. All MCCBs shall INCOMING 83A TP MCCB 10kA Digital Volt Meter 0-600V Volt Selector Switch Phase Indicator Switch Phase Indication Lamps. (R+Y+8) A Control MCB for instrument Protection QUTGOING QUTGOING 10/16/20A SP MCB Er.	Terasaki Japan/Legrand/Schneider BOARD (LOB) with Incoming From M sommer and the SIEMENS, PEMPAK, PEI usambled with SIEMENS, PEMPAK, PEI usambled with SIEMENS, PEMPAK, PEI toking capper cablo, system voltage 415V with electro-static powder coating of 7 Il live part coverd with safty sheet, into essary material's complete in all aspe- illed inside the paret having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv Himel/Schneider Terasaki/Schneider	01 Nos AlN & SMPB, Phase/Notural L make. of 16 ng connection AC. 50HZ, 3- 0-100 micron mal control & C. All above I.S. protective 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.		Each.					
	Inc SU To Ph Ihi PU M(shi 2 3 4 5 1 LT	Production of the second secon	ply, installation, testing commissioning of 60A-DISTRIBUTION tation Lamp, Instantment Protection Fuse, including 60A Main ock is us por above outgoing circuit breaker installad in cubicals as 3 miled steat sheet tabincated, indeor Type, Wa3 Mounting, Ins or Bottom as per site requirement, door to body Earth with flext so 4-Wire, degression and douised, zinc phosphatod, finished ness in approved colour with hinged door, lockable handle, a er wiring from protection & power, including cost of all nec- Distribution and accessible only by opening the front door. All MCCB shall be for Mined S3A TP MCCB 10kA Digital Volt Metar 0-800V Volt Selector Switch Phase Indication Lamps, (R+Y+B) 6A Control MCB for Instrument Protection OUTGOING DIGIDA SI ² MCB EFAA OWER CABLE.	BOARD (LOB) with Incoming From M BOARD (LOB) with Incoming From M sembled with SIEMENS, PEMPAK, PEI lation class 600VAC, Incoming/Outgoit bile copper cable, system voltage 415V with electro-static powder coating of 7 Il ive part coverd with safty sheet, inte essayr materials complete in all aspe illed inside the panet having a further M be rated at 50oC. TerasaN Japan/Legrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv Hims/Schneider TerasaN/Schneider TerasaN/Schneider	AlN & SMPB, has/Notural L make. of 16 hg connection AC, 50HZ, 3- 0-100 micron mal control & 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.		Each.					
	Su Inc SV To Ph Ihi pu M(sh 2 3 4 5 1 LT Su	Production of the second secon	ply, installation, testing commissioning of 60A-DISTRIBUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main ock to us per above outgoary circuit breakar installad in cubcals as 30 miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so a 4-Wire, degressed and datusted, zince phosphatod, finished ness in approved colour with hinges door, lockable handle, a er wiring from protection & power, inclusting cost of all nec- 285/MCBs, Make in Torasaki Japunt/Schneider Eulshall be insta it and accessible only by opening the front door. All MCCBs shall INCOMING 63A TP MCCB 10kA Digital volt Meter 0-600V Volt Selector Switch Phase Indication Lamps. (R •Y+B) 64 Control MCB for Instrument Protection OUTGOING 10/16/20A SP MCH EF OWER CABLE. by at site, installation unsting and commissioning of FVC insulai	BOARD (LDB) with Incomming From M BOARD (LDB) with Incomming From M sompled with SIEMENS, PEMPAK, PEI lution dass 600VAC, Incoming/Outgoit bale copper cable, system voltage 415V with electro-static powder coating of 7 live part coverd with safty sheet, into essary materials complete in all espe illed inside the panet having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv Hime/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider	01 Nos AIN & SMPB, Phase/Notural L make. of 16 ng connection AC, 50HZ, 3- 0-100 micron mal control & cl. All above I.S. protective 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.	4	Each.					
	To Ph Ihi Ph Ih	Prese line line line line line line line lin	ply, installation, testing commissioning of 60A-DISTR/BUTION tation Lamp, Instrumment Protoction Fuse, including 60A Main oc k us por above outgoary circuit breaker installad in coubcals as 3 miled steat sheet tabincated, Indeor Type, Wa3 Mounting, Insi or Bottom as per site requirement, door to body Earth with flexi see 4-Wire, degreeased and derusted, zinc phosphated, finished ness in approved colour with hingu door, locitable handle, a er wings from protection & power, including cost of all nec- CBS/MCBs, Make in Terasaki Japun/Schender Eulshall be instal i and accessible only by opening the front door. All MCCBs shall inCOMING 33A TP MCCB 10kA Digital Volt Meter 0=600V Volt Selector Switch Phase Indication Lamps (R+Y+B) 6A Control MCB for instrument Protection OUTGOING 10/T6/20A SP MCB Ex OWER CABLE. by at site, installation witking and commissioning of PVC insulat 1000V grade in protection door and stars.	BOARD (LOB) with Incosoning From M BOARD (LOB) with Incosoning From M sompled with SIEMENS, PEMPAK, PEI usambled with SIEMENS, PEMPAK, PEI bile capper cablo, system voltage 415V with electro-static powder coating of 7 Il live part coverd with safty sheet, into essary material's complete in all aspe lied inside the parct having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv GGT/Camsco/Eqv Himel/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Beither Schneider Second PVC sheathed armoured copper co as per routes discussed with site engin	01 Nos AlN & SMPB, Phase/Notural L make. of 16 ng connection AC, 50HZ, 3- 0-100 micron mal control & C, All above I.S. protective 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos.	4	Each.					
	Su Inc SV To Phil bu MC sh 1 2 3 4 5 1 LT Su 60 su	Production of the second secon	ply, installation, testung commissioning of 60A-DISTRIBUTION tation Lamp, Insturement Protection Fuse, including 60A Main ock k as per above outgoary circuit breaker installation in cubicals as 3 miled steat sheet tabincated, indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so +Wire, degressed and doubted, zinc phosphatod, finished ness in approved colour with hingest door, lockable handle, a er wiring from protection & power, including cost of all nec Distributed wake in Toresaki apprint20thender EU.shall be install and accessible only by opening the front door. All MCCBs shall INCOMING B3A TP MCCB 10kA Digital Volt Mater 0~600V Volt Selector Switch Phase Indication Lamps, (R+Y+B) AC Control MCB for instrument Protection OUTGOING OUTGOING Digital St ² MCLB Er OWER CABLE. by at site, installation turking and commissioning of FVC insulat 1000V grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prolact conduits/ tranches or on cable targas at 10000 grade in prol	BOARD (LOB) with Incoming From M sommer in the second sec	AlN & SMPB, AlN & SMPB, Ansa/Notural L make. of 16 hg connection AC, 50HZ, 3- 0-100 micron mal control & 01 No. 01 No. 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos. 24 Nos.		Each.					
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	5 Inc 1 SV To Philip MC shi 1 2 3 4 5 1 LT SU6 si at mi 1 2 3 4		ply, installation, testing commissioning of 60A-DISTRIBUTION tation Lamp, Insturement Protoction Fuse, including 60A Main ock to us per above outgoory circuit breaker installated in ochicals as 30 miled steat sheet tabincated, Indoor Type, Wa3 Mounting, Inst or Bottom as per site requirement, door to body Earth with flext so the expression and doubted, zinc phosphartod, finished and accessible only by opening the front door. All MCCBs shall interference of the expression of the expression of the expression and accessible only by opening the front door. All MCCBs shall INCOMING B3A TP MCCB 10kA Digital Volt Metar 0-600V Volt Selector Switch Phase Indication Lamps, (R+Y+ft)) AC Control MCB for instrument Protoction OUTGOING ID/16/20A SP MCB Fr DOWER CABLE. by at site, installation testing and commissioning of PVC insulat 1000V grade in protoct before before glacing accessiones, connection thered as all site by contractor before placing installation of 25mm sq. 4-Core, PVC/PVC Cable 125mm sq. 4-Core, PVC/PVC Cable	Terasaki Japan/Legrand/Schneider BOARD (LDB) with Incoming From M opper bus bar/Cable Suitable For Each 1 isombled with SIEMENS, PEMPAK, PEI Julaion dass 600VAC, Incoming/Outgoi bale copper cable, system voltage 415V with dectro-static powder coating of 7 live part coverd with safty sheet, into essary materials complete in all espe illed inside the panet having a further M be rated at 50oC. Terasaki Japan/Legrand/Schneider Terasaki Japan/Legrand/Schneider Entes/Camsco/Eqv Hime/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Terasaki/Schneider Per outes discussed with site engin essured for payment. Actual length of co Pakistan/Newage/Piencer Pakistan/Newage/Piencer Pakistan/Newage/Piencer	01 Nos AIN & SMPB, Phase/Notural L make. of 16 ng connection AC, 50HZ, 3- 0-100 micron mal control & cl. All above I.S. protective 01 No. 01 No. 01 No. 03 Nos. 03 Nos. 24 Nos. 24 Nos.	4	Each.					
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Financial Components: Capital **Cost Center:**OTHERS- (OTHERS) **Fund Center (Controlling):**LE4203

Grant Number:Government Buildings - (PC12042) LO NO:LO22010078 A/C To be Credited:Account-I

PKR Million

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

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

Grant Number:Government Buildings - (PC12042) LO NO:LO22010078 A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2025-2026		2026-2027		2027-2028		2028-2029		2029-2030	
		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. <u>Annual Operating and Maintenance Cost after Completion of the</u> <u>Project</u>

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

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached
8. Financial Plan and Mode of Financing

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

Revenue Side

				(Rs.in			
				Million)			
Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds	75 000	20.870	9 6 1 4	3 061	E 37E		120 670
Released	75.000	20.079 8.01	0.014	5.001	5.275	7.850	120.079
Utilization	45.440	20.645	8.540	2.885	2.230	1.065	83.809

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds					0.000	F 000	F 000
Released					0.000	5.000	5.000
Utilization					0.000	0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

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.

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

11.5 Environmental Impact

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

11.3 PACT ANALYSIS

11.4 ECONOMIC ANALYSIS

11.6 Impact of Delays on Project Cost and Viability

Delay in the implementation of the project will lead to increase in cost and increase financial burden on the Government and general population of Punjab. Since the project is one of the major needs and a long awaited desire of the community, therefore, Government of the Punjab

contemplated plan for early execution of Revamping of Emergency Units. The delay will not only deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

The Targets of Sustainable Development Goals (SDGs) will be achieved The Human Development Index of Pakistan (HDI) will improve Infant Mortality Rate will decrease Mother Mortality rate will be decreased The international commitments of Pakistan will be accomplished Health standard of public will Better Health Facilities to mother and Prompt and scientific facility for operation Rehabilitation of disables and injured Blindness in this area will be decreased and controlled Better social and mental health to addict Provision of better health facilities at doorsteps Awareness and control for communicable Survival of heart failure Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee Laboratory fees Diagnostic facility fees Dental fee ECG fee Private room charges

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

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

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

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

RISK DATA					Pre-Mitigation / Current		MITIGATION
					itative Assess	ment	
Risk Item No	Risk Description/Event	Cause	Effect / Consequences	Likelihood (1 to 3)	Impact (1 to 3)	Risk Score (1 to 9)	Mitigation / Actions
1	Due date for the completion of some hospital sites may be extended due to increase in scope from the Client	Direct instructions from the Medical Superintendents / Hospital Administration to revamp the remaining areas	Significant scope increase requested by the Hospital administration will result in: 1. Project delays 2. Contractor claims 3. Increase in project cost along with variations	3	3	9	Hospital administration is requested to finalize the scope during joint field visits o C&W and PMU
2	Various unexpected structural issues are being encountered	Unforeseen structural issues are expected to face during execution in hospital buildings approaching end of life	 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

NA.

Fax No:

15. CERTIFICATE

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

Designation:Project Director, PMU P&SHD **Tel. No.:**042-99231206

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

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

Prepared By:

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

(RIZWAN SHOUKAT) PROCUREMENT SPECIALIST, (PMU). PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE

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

Checked By:

(Dr. AYESHA PARVEZ) DEPPUTY PROJECT DIRECTOR (PMU), PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE (042-99231206) (Oct-2022) (KHIZAR HAYAT)³ 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)

52

17. RELATION WITH OTHER PROJECTS