PC-1

Revamping of THQ Hospital, Haveli Lakha District Okara

ORIGINAL APPROVED COST	**PKR Million. 345.404/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Haveli Lakha District Okara

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. OKARA

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	**GS No:**5247
3	**Total Allocation:**0.000
4	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

Due to lack of structured planning and monitoring, previous efforts did not materialize into an integrated health care regime, rather these have resulted in

haphazard construction, poor repair and maintenance, lack of basic amenities, absence of waiting areas, substandard diagnostics and therapeutics, shabby outlook and suboptimal level of patient care over all. Such state of affairs has severely jolted level of trust in health care system by common man and hence the patients prefer to visit tertiary level hospitals or even private health facilities for treatment of even very common pathologies. This subsequently has a cascade effect on socioeconomics of common man who has to spend more in shape of travelling from villages to district headquarters and then bearing costs of private treatment, secondly, this has also increased disease load on our tertiary health care establishments.

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

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

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

In this regard, a dedicated team of Project Management Unit (PMU) has been established to execute the project. PMU's office is located at 31-E/1, Shahrah-e-Imam Hussain, Gulberg-III, near 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 re-planned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

Landscaping in hospital adds aesthetic & beauty to the built environment as well as improves in reducing the pollution. Soft & hard landscape reduces dust particles moment in air, hence contributes in a clean environment. The hours spent

in a hospital can be stressful for patients, staff and visitors. According to research easy access to a natural environment can contribute to stress management and potentially improve health outcomes: physiological studies indicate that 3-5 minutes spent in such Hospital Outdoor Landscape Design environments reduces anger, anxiety and pain and induces relaxation. Research also shows that “positive distractions” can reduce stress and their visual forms include gardens, scenic views and artwork, which play a critical role in modern hospital design: gardens, fountains, and water features provide patients, staff and visitors with restorative experiences of nature. In this regard complete lawns development, placement of benches, dust bins, playing equipment, fruit trees, flower plants, fruit trees and gazebos are proposed in all hospitals under revamping program

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

Non-clinical facilitation of patients and attendants were specially considered in the revamping program. One such facilitation step is designing the parking and waiting areas on basis of daily influx of vehicles and patients/attendants during the

peak hours. Parking and waiting areas on several places of hospital were then proposed according to the design.

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

To keep high risk areas like Operation theaters, I.C.U, C.C.U, and Gynecology Operation Theater bacteria free is one of the basic medical practices. In the revamping program of hospitals low epoxy paint is proposed in these areas to provide seamless flooring so that the bacterial growth within the 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 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

Chronic kidney disease is now a significant public health problem worldwide. Chronic kidney disease globally affects almost 10 % of general population with Incidence in prevalence of disease are still rising especially in

developing countries .The rise in chronic kidney disease is by aging of the populations and growing problems of obesity, diabetes, high blood pressure and cardiovascular diseases.

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the orthopedic unit in THQ

hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of orthopedic unit in vicinity.

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

An **intensive care unit** (**ICU**) is a special department of a hospital or health care facility that provides intensive treatment medicine. Intensive care units cater to patients with severe and life-threatening illnesses and injuries, which require constant, close monitoring and support from specialized equipment and medications in order to ensure normal bodily functions. Intensive care units are staffed by highly trained doctors and nurses who specialize in caring for critically ill patients. They are also distinguished from normal hospital wards by a higher staff-to-patient ratio and access to advanced medical resources and equipment that are not routinely available elsewhere. Common conditions that are treated within ICUs include ARDS, trauma, multiple organ failure and sepsis. Patients may be transferred directly to an intensive care unit from an emergency department if required, or from a ward if they rapidly deteriorate, or immediately after surgery if the surgery is very invasive and the patient is at high risk of complications.

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the physiotherapy unit in all THQ hospitals. Majority of patients are suffering problems some time life threatening

phases due to delay in diagnosis and treatment according to diagnosis in case of lack of physiotherapy unit in vicinity.

1. Physiotherapy is a “science of healing and art of caring”. It pertains to the clinical examination, evaluation, assessment, diagnosis and treatment of musculoskeletal, Neurological, Cardio-Vascular and Respiratory systems ‘functional disorders including symptoms of pain, edema, and physiological, structural and psychosomatic ailments. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications. Hence, Physical therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative, and curative.

2. Physiotherapy practice has a very long history and a modern clinical practice is heavily reliant on research and evidence based practice. The Primary and Secondary Healthcare Department Government of Punjab attests to this commitment by adopting and promoting the Standards of Practice for Physiotherapy.

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

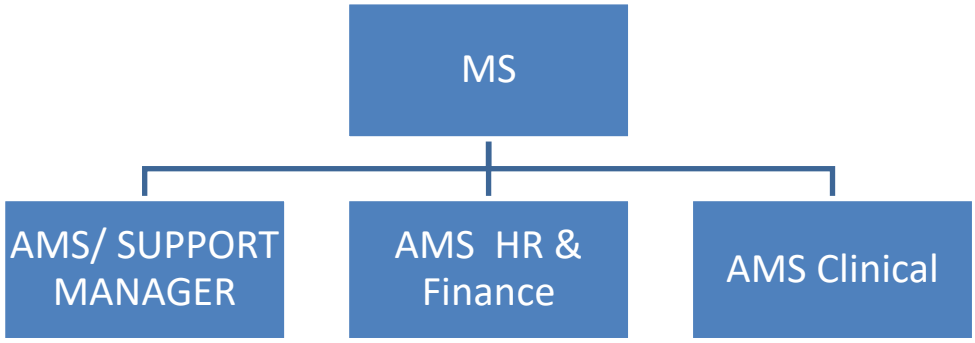
5.4.5 Security

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

5.6 HR & Management Interventions Structure

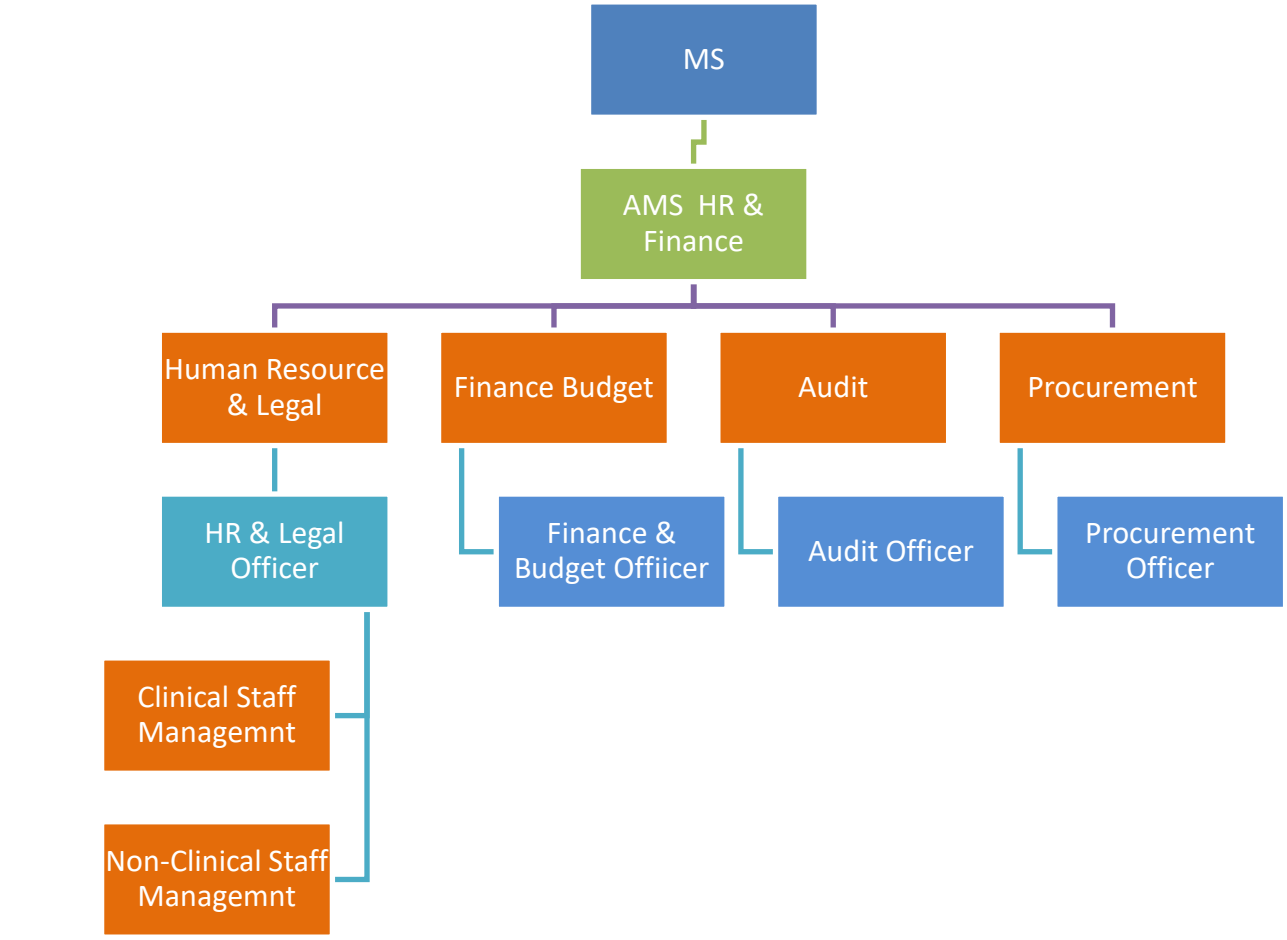
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

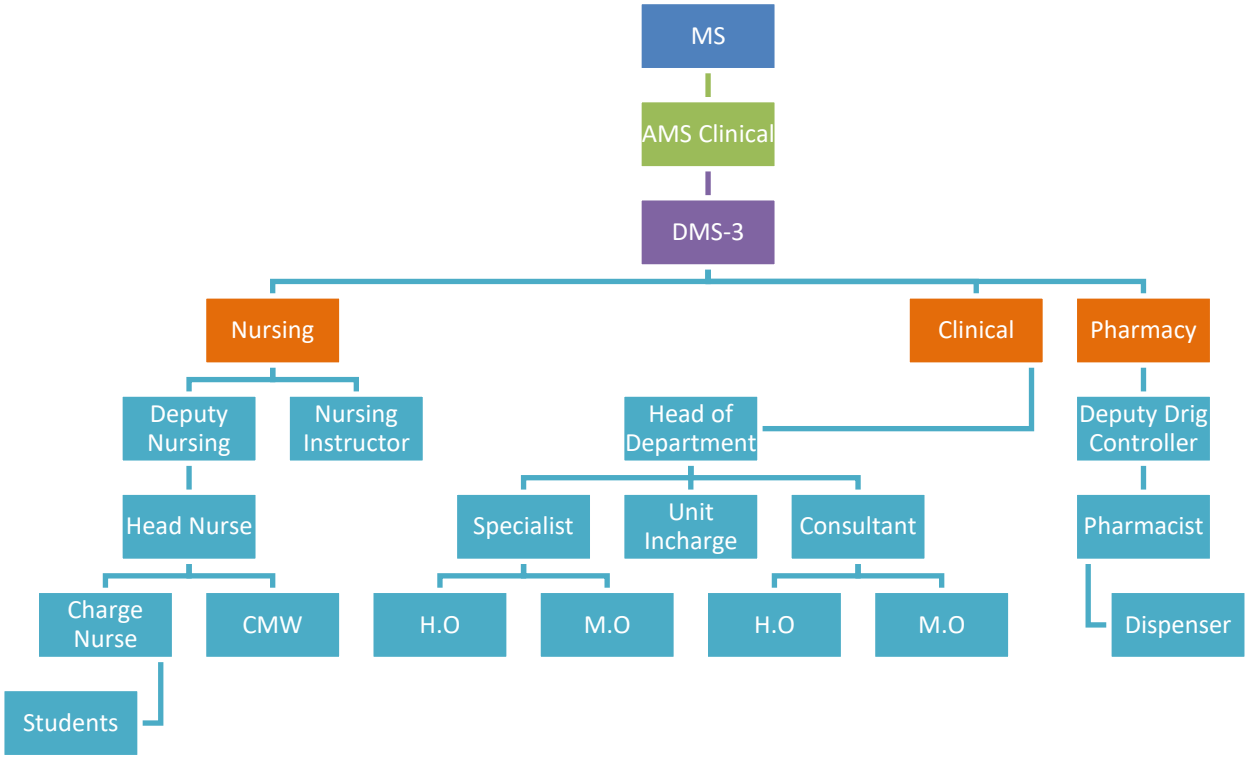
New Organogram of Hospital



MS

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


MS
AMS HR & Finance
Human Resource & Legal
Finance Budget
Audit
Procurement
HR & Legal Officer
Finance & Budget Offiicer
Audit Officer
Procurement Officer
Clinical Staff Managemnt
Non-Clinical Staff Managemnt


MS
AMS Clinical
DMS-3
Nursing
Clinical
Pharmacy
Deputy Nursing
Nursing Instructor
Head of Department
Deputy Drig Controller
Head Nurse
Specialist
Unit Incharge
Consultant
Pharmacist
Charge Nurse
CMW
H.O
M.O
H.O
M.O
Dispenser
Students

5.6.1 Non Clinical HR Interventions (Human Resource (HR) Plan Management Structure)

Institution will run under the administrative control of Medical Superintendent, who will control this with the collaboration and cooperation of 3 Additional Medical Superintendents including AMS (Admin), AMS (HR & Budget) and AMS (clinical), 3 Deputy Medical Superintendents (morning, evening and night) will be reporting to AMS Clinical. Each clinical facility will be further controlled by head of concerned department and 6 administrative posts of HR & Legal Officer, IT/Static Officer, Budget & Account Officer, Admin Officer, Procurement Officer and Audit Officer will be provided as supporting hands for AMS Admin and AMS HR & Budget for smooth execution of hospital tasks.

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

1. Minimum qualification Masters' degree in Economics/ Public Administration/ Finance/ MBA Finance/Administration or equivalent from HEC recognized University

2. Minimum 2 years post degree experience of administration (Additional credit may be given for hospital administration/ Public sector administration of similar nature)

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

   OR

   16 years education along with Post graduate diploma in Total Quality Management/ Post graduate diploma in Health Safety and Environmental Management System / Post graduate diploma in Healthcare and Hospital Management / Quality Assurance or equivalent.
2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

Punjab Healthcare Commission was established under the PHC Act 2010 as an autonomous regulatory body for health sector; with the purpose of improving the quality, safety and efficiency of healthcare service delivery for all Public and Private Healthcare Establishments (including Allopaths, Homeopaths and Tibbs) in the province of Punjab. The Punjab Healthcare Commission has developed

Minimum Service Delivery Standards (MSDS) for all hospitals to improve the quality of healthcare services all over the Punjab. All Healthcare Establishments are required to implement MSDS to acquire a License to deliver healthcare services in Punjab.

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

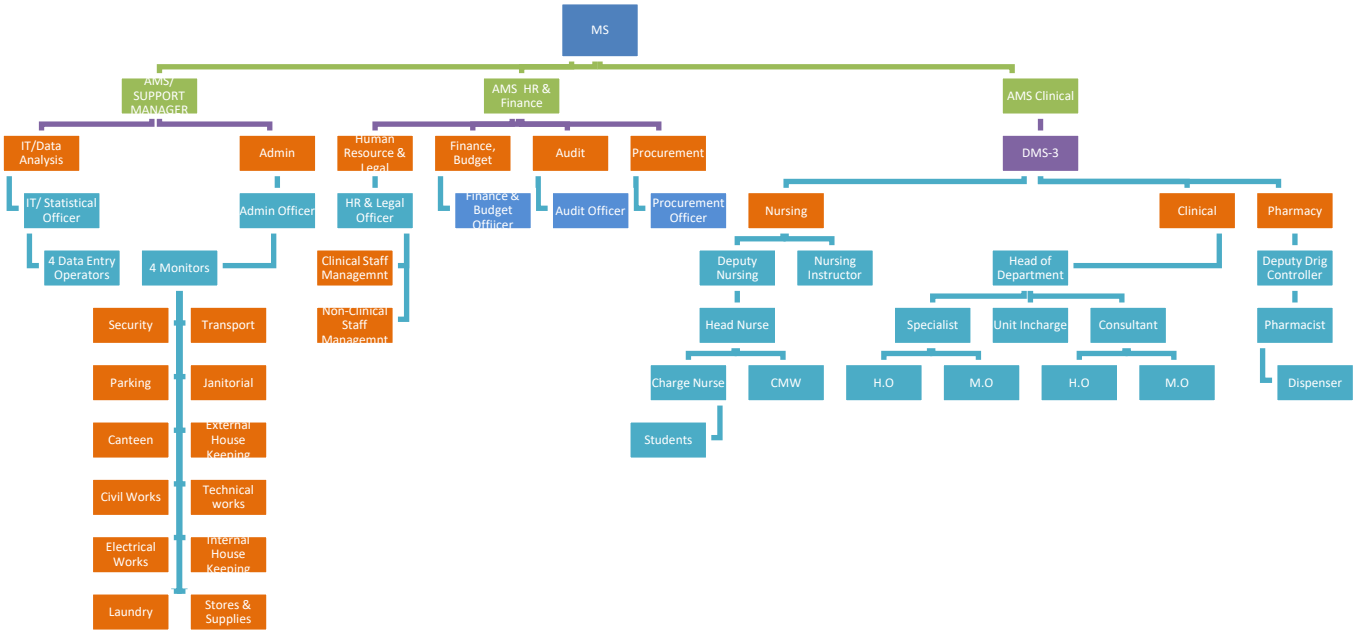
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

Project Pay Scale (PPS)	**Revised Project Pay Scales (Permissible Range) (PKR)**	**Annual Increment Up to % age**
PPS-1	28,000 --- 44,800	10
PPS-2	35,000 --56,000	10
PPS-3	43,750 -- 70,000	10
PPS-4	52,500 -- 84,000	10
PPS-5	70,000 --112000	10
PPS-6	105,000 -- 172,200	8
PPS-7	157,500 --258,300	8
PPS-8	218,750--358,750	8
PPS-9	306,250--502,250	8

PPS-10	437,500--700,000	5
PPS-11	612,500-- 980,000	5
PPS-12	875,000 --1,400,000	5

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
Admin Officer	1	80,000	960,000	105,000	1,260,000
Human Resource Officer	1	80,000	960,000	105,000	1,260,000
IT/Statistical Officer	1	80,000	960,000	105,000	1,260,000
Finance & Budget Officer	1	80,000	960,000	105,000	1,260,000
Procurement Officer	1	80,000	960,000	105,000	1,260,000
Quality Assurance Officer	1	80,000	960,000	105,000	1,260,000
Logistics Officer	1	80,000	960,000	105,000	1,260,000
Data Entry Operator (DEO)	2	35,000	840,000	44,000	1,056,000
Assistant admin Officer	2	50,000	1,200,000	70,000	1,680,000
Total	**11**		**8,760,000**	**849,000**	**11,556,000**

5.8 Other Initiatives:

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

- Rehabilitation of Emergency Ward
- Fixture of Benches
- Addition of Bracket Fans/Water Coolers/LCDs with signage
- Supply of Laboratory/ Equipment/USG/ECG etc.
- CCU Improvement
- Installation of Water filtration plants
- Replacement of Bed sheets/Pillows/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 <u>Death or End of Life Management</u>.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-1. The Population of Haveli Lakha District Okara is more than 0.451 million. The area of the THQ level Hospital Haveli Lakha District Okara is 128,736 SFT land.

6.1 Description and Justification

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

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

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

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

Justification for 3rd Revision of PC-I

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

Name of Posts	**60th PDWP Meeting**		
	PPS Assigned	Permissible Range (PKR) & Annual increment	Approved Pay Package
HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer	PPS-6	75,000-105,000 (8% annual incr.)	75,000
Assistant Admin Officer	PPS-5	50,000-75000 (10% annual incr.)	50,000

Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000

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

2. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number: Development - (PC22036)
LO NO:LO17010571
A/C To be Credited: Assan Assignment

PKR Million

Sr #	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	100.522	0.000	100.000	0.000	100.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**100.522**	**0.000**	**100.000**	**0.000**	**100.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO21011579
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	**A12403**-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	24.882	0.000	20.000	0.000	0.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**24.882**	**0.000**	**20.000**	**0.000**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	Revamping of THQ Hospital Haveli Lakha											
Scope of work	Cost in million											
	Original			1st Revised			2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal Development	0.000	16.624	16.624	0.000	16.624	16.624	21.671	5.000	26.671	17.696	5.000	22.696
External Development	0.000	3.372	3.372	0.000	3.372	3.372	15.791	0.000	15.791	23.403	0.000	23.403
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	3.972	0.000	3.972	3.783	0.000	3.783
Total Capital Component	**0.000**	**25.596**	**25.596**	**0.000**	**25.596**	**25.596**	**41.435**	**5.000**	**46.435**	**44.882**	**5.000**	**49.882**
Emergency	0.000	20.463	20.463	0.000	20.463	20.463	0.000	27.876	27.876	0.000	47.336	47.336
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	48.875	48.875	0.000	48.875	48.875	0.000	64.518	64.518	0.000	94.564	94.564
Electricity	0.000	11.893	11.893	0.000	11.893	11.893	0.000	13.293	13.293	0.000	39.743	39.743
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/ Signage	0.000	2.972	2.972	0.000	2.972	2.972	0.000	4.271	4.271	0.000	4.271	4.271
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	37.200	37.200	0.000	53.318	53.318
LC Deficit during procurement (currency fluctuation)								2.296	2.296		2.296	2.296
Total Revenue component	**0.000**	**139.690**	**139.690**	**0.000**	**139.690**	**139.690**	**0.000**	**190.926**	**190.926**	**0.000**	**295.474**	**295.474**
Outsourcing component												
Janitorial Services	0.000	12.209	12.209	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.854	5.854	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.020	2.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.685	3.685	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	8.735	8.735	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	**0.000**	**43.550**	**43.550**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**	**0.000**	**0.048**	**0.048**
Total	**0.000**	**208.835**	**208.835**	**0.000**	**165.333**	**165.333**	**41.435**	**195.974**	**237.409**	**44.882**	**300.522**	**345.404**
Contingency (1%) only on Civil Component	0.000	0.256	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	0.000	4.177	4.177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**213.268**	**213.268**	**0.000**	**165.333**	**165.333**	**41.435**	**195.974**	**237.409**	**44.882**	**300.522**	**345.404**

Emergency Equipment

			Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-	0		99,750	-	0		99,750	-	0		99,750	-
2		Chairs	0		26,775	-	0		26,775	-	0		26,775	-	0		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	1	141,750	141,750	1	1	141,750	141,750	1	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	0	101,850	-	0	0	101,850	-	0	0	101,850	-
5	6	Chairs *(N)	0	0	26,775	-	0	0	26,775	-	0	0	26,775	-	0	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	6	15,750	94,500	3	6	15,750	94,500	3	6	30,000	180,000	3	6	30,000	180,000
7		Gurney WITH FOOT STEP)*(N)	3	6	420,000	2,520,000	3	6	420,000	2,520,000	3	6	460,000	2,760,000	3	6	800,000	4,800,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	2	4	33,600	134,400	2	4	36,000	144,000	2	4	36,000	144,000
9		Laryngoscope paeds &adult each*(N)	2	4	10,500	42,000	2	4	10,500	42,000	2	4	12,000	48,000	2	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	1	2	45,150	90,300	1	2	50,000	100,000	1	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	1	2	169,785	339,570	1	2	180,000	360,000	1	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	0	420,000	-	0	0	-	-	0	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	2	4	125,265	501,060	2	4	215,000	860,000	2	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	1	2	259,350	518,700	1	2	275,000	550,000	1	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	1	2	244,733	489,466	1	2	400,000	800,000	1	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1	1,417,500	1,417,500	1	1	2,000,000	2,000,000	1	1	2,500,000	2,500,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	1	2,509,554	2,509,554	1	1	3,000,000	3,000,000	1	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	1	304,220	304,220	1	1	500,000	500,000	1	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	1	414,750	414,750	1	1	800,000	800,000	1	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	1	110,000	110,000	1	1	385,000	385,000	1	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	1	54,000	54,000	1	1	54,000	54,000	1	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	1	310,000	310,000	1	1	650,000	650,000	1	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	1	69,300	69,300	1	1	69,300	69,300	1	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-	4		420,000	-	4		460,000	-	4		850,000	-
29		Sucker machine *(N)	2		259,350	-	2		259,350	-	2		275,000	-	2		300,000	-
30		Nebulizer HD*(N)	2		125,265	-	2		125,265	-	2		215,000	-	2		300,000	-
31		Center Oxygen supply*N	1		420,000	-	1		420,000	-	1		-	-	1		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-	1		237,618	-	1		400,000	-	1		600,000	-
33		Defibrillator*N	1		302,605	-	1		302,605	-	1		650,000	-	1		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-	4		104,000	-	4		160,000	-	4		225,000	-
35		Bedside-monitor*(N)	4		301,665	-	4		301,665	-	4		550,000	-	4		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-	1		169,785	-	1		169,785	-	1		300,000	-
37		BP APPARATUS*N	1		15,750	-	1		15,750	-	1		16,000	-	1		16,000	-
38		FOOT STEP)*(N)	1		3,150	-	1		3,150	-	1		4,000	-	1		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-	1		5,250	-	1		8,000	-	1		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps*(N)	7	6	210,000	1,260,000	7	6	210,000	1,260,000	7	6	400,000	2,400,000	7	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	1	169,785	169,785	1	1	169,785	169,785	1	1	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	6	104,000	624,000	6	6	160,000	960,000	6	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	3	301,665	904,995	3	3	550,000	1,650,000	3	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	6	26,250	157,500	6	6	30,000	180,000	6	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	2	125,265	250,530	2	2	215,000	430,000	2	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	1	237,618	237,618	1	1	400,000	400,000	1	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	1	299,153	299,153	1	1	650,000	650,000	1	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	2	259,350	518,700	2	2	275,000	550,000	2	2	300,000	600,000

Emergency Equipment

			Original				1st Revised				2nd Revised				3rd Revised			
Sr. No	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost (Rs.)
49		Wheal chairs *(N)	0	0	31,500	-	0	0	31,500	-	0	0	35,000	-	0	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-
51		ambo bag paeds with Mask*N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	5	19,000	95,000
52	**Generalized**	ambo bag adult with Mask* N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	2	4,085	8,169	2	2	4,500	9,000	2	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	1	3,450,350	3,450,350	1	1	4,300,000	4,300,000	1	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1	1,403,325	1,403,325	1	1	1,500,000	1,500,000	1	1	2,400,000	2,400,000
		Total				**20,463,445**				**20,463,445**				**27,876,235**				**47,336,200**
						20.463				20.463				27.876				47.336

MSDS

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEM DESCRIPTION	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	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	Wheel Chairs	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
17	Statures	0	67,830	-	0	67,830	-	0	75,000	-	0	75,000	-
18	Blood Warmer	3	246,750	740,250	3	246,750	740,250	3	275,000	825,000	3	275,000	825,000
19	Sequence Compression Device	2	210,000	420,000	2	210,000	420,000	2	230,000	460,000	2	600,000	1,200,000
20	Blood Bank Refrigerators with	0	682,500	-	0	682,500	-	0	700,000	-	0	1,469,900	-
21	Data Coder	1	84,000	84,000	1	84,000	84,000	1	100,000	100,000	1	-	-
22	Plasma Separator 1	0	4,200,000	-	0	4,200,000	-	0	4,500,000	-	0	4,500,000	-
23	Blood Storage Cabinet	1	682,500	682,500	1	682,500	682,500	1	700,000	700,000	1	1,469,900	1,469,900
24	Resuscitation Trolley	0	244,733	-	0	244,733	-	0	400,000	-	0	491,350	-
25	Ultra sound machine gyne	0	1,403,325	-	0	1,403,325	-	0	1,700,000	-	0	2,150,000	-
26	Delivery Table	0	47,250	-	0	47,250	-	0	47,250	-	0	48,500	-
27	Height and weight scale	4	8,400	33,600	4	8,400	33,600	4	10,000	40,000	4	31,500	126,000
28	Suction Electronic	0	259,350	-	0	259,350	-	0	275,000	-	0	275,000	-
29	Fetal Heart Rate Detector	1	144,375	144,375	1	144,375	144,375	1	175,000	175,000	1	275,000	275,000
30	Ambo bag	0	17,325	-	0	17,325	-	0	19,000	-	0	19,000	-
31	Neonatal size face mask	4	578	2,310	4	578	2,310	4	1,200	4,800	4	1,500	6,000
32	Exchange transfusion trays	2	10,000	20,000	2	10,000	20,000	2	10,000	20,000	2	12,000	24,000
33	Shoe racks SS	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600
34	Sterilizer	0	2,940,000	-	0	2,940,000	-	0	3,500,000	-	0	7,800,000	-
35	Washer 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

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEM DESCRIPTION**	**Quantity Required**	**Actual Unit Price**	**Actual Total Cost(Rs)**	**Quantity Required**	**Actual Unit Price**	**Actual Total Cost(Rs)**	**Quantity Required**	**Actual Unit Price**	**Actual Total Cost(Rs)**	**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

Medical Equipment

			Original					1st Revised					2nd Revised					3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1		Semi Auto Clinical Chemistry Analyzer	1	2	0	449,295	-	1	2	0	449,295	-	1	2	0	550,000	-	1	2	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	1	0	427,350	-	1	1	0	550,000	-	1	1	0	750,000	-
3		Electrolyte Analyzer	1	0	1	427,350	427,350	1	0	1	427,350	427,350	1	0	1	550,000	550,000	1	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	0	2,744,858	-	0	0	0	3,200,000	-	0	0	0	1,400,000	-
5		Clinical Microscope	1	0	1	132,825	132,825	1	0	1	132,825	132,825	1	0	1	180,000	180,000	1	0	1	250,000	250,000
6	Laboratory	Water Bath	1	0	1	60,000	60,000	1	0	1	60,000	60,000	1	0	1	157,500	157,500	1	0	1	325,000	325,000
7		Hot air Oven	1	2	0	210,000	-	1	2	0	210,000	-	1	2	0	385,000	-	1	2	0	450,000	-
8		Distilled water plant	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	75,000	75,000	1	0	1	125,000	125,000
9		Auto pipettes	10	0	10	31,500	315,000	10	0	10	31,500	315,000	10	0	10	40,500	405,000	10	0	10	45,000	450,000
10		glass wares	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-
11		Centrifuge Machine	2	1	1	149,336	149,336	2	1	1	149,336	149,336	2	1	1	250,000	250,000	2	1	1	400,000	400,000
12		Static X-ray Machine	1	1	0	4,200,000	-	1	1	0	4,200,000	-	1	1	0	6,000,000	-	1	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	0	3,850,524	-	0	0	0	4,300,000	-	0	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	0	4,018,245	-	0	0	0	4,500,000	-	0	0	0	4,500,000	-
15	X-Rays	Dental X-Ray	0	1	0	282,975	-	0	1	0	282,975	-	0	1	0	350,000	-	0	1	0	525,000	-
16		Lead apron and PPE	2	1	1	52,500	52,500	2	1	1	52,500	52,500	2	1	1	60,000	60,000	2	1	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	250,000	-
18		Lead glass /shield	0	1	0	105,000	-	0	1	0	105,000	-	0	1	0	105,000	-	0	1	0	150,000	-
19		Lead Walls	0	1	0	525,000	-	0	1	0	525,000	-	0	1	0	525,000	-	0	1	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	2	0	1,371,331	-	0	2	0	1,371,331	-	0	2	0	1,500,000	-	0	2	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	1	0	1	3,698,310	3,698,310	1	0	1	4,500,000	4,500,000	1	0	1	5,500,000	5,500,000
22		ICU MONITOR	2	0	2	301,665	603,330	2	0	2	301,665	603,330	2	0	2	900,000	1,800,000	2	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
25	CCU	ECG Machine Three Channel	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	0	2,021,838	-	0	0	0	2,200,000	-	0	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	0	4,681,790	-	0	0	0	4,800,000	-	0	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000
29		Blood Cabinet	1	0	1	690,539	690,539	1	0	1	690,539	690,539	1	0	1	700,000	700,000	1	0	1	1,500,000	1,500,000
30	Blood Bank	Centrifuge Machine	2	0	2	149,336	298,673	2	0	2	149,336	298,673	2	0	2	250,000	500,000	2	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	1	0	1	42,000	42,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	1	0	1	132,825	132,825	1	0	1	180,000	180,000	1	0	1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	5	0	5	1,050,000	5,250,000	5	0	5	1,600,000	8,000,000	5	0	5	3,200,000	16,000,000
34		Baby Cot	10	1	9	14,669	132,017	10	1	9	14,669	132,017	10	1	9	16,000	144,000	10	1	9	16,000	144,000
35		Phototherapy Unit	2	1	1	130,200	130,200	2	1	1	130,200	130,200	2	1	1	655,000	655,000	2	1	1	850,000	850,000
36		Infant Warmer	2	1	1	335,638	335,638	2	1	1	335,638	335,638	2	1	1	985,000	985,000	2	1	1	1,050,000	1,050,000
37	Nursery	Pulse Oximeter	6	1	5	104,500	522,500	6	1	5	104,500	522,500	6	1	5	160,000	800,000	6	1	5	225,000	1,125,000
38		Infant Incubator	2	1	1	858,932	858,932	2	1	1	858,932	858,932	2	1	1	900,000	900,000	2	1	1	1,750,000	1,750,000
39		Suction Pump	1		1	259,350	259,350	1		1	259,350	259,350	1		1	275,000	275,000	1		1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	2	1	1	125,265	125,265	2	1	1	215,000	215,000	2	1	1	300,000	300,000
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	1	0	2,509,554	-	1	1	0	3,000,000	-	1	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	2	0	2	441,000	882,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
43		Defibrillator	2	0	2	308,713	617,425	2	0	2	308,713	617,425	2	0	2	650,000	1,300,000	2	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	1	0	507,530	-	1	1	0	700,000	-	1	1	0	900,000	-
45		Operation Table	1	2	0	1,426,215	-	1	2	0	1,426,215	-	1	2	0	2,000,000	-	1	2	0	2,500,000	-
46	O.T (04)	Ceiling Operating Light	1	1	0	413,013	-	1	1	0	413,013	-	1	1	0	800,000	-	1	1	0	950,000	-
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	1	0	3,465,000	-	1	1	0	4,000,000	-	1	1	0	7,800,000	-
48		Suction Pump	2		2	259,350	518,700	2		2	259,350	518,700	2		2	275,000	550,000	2		2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
50		mayo table	4	0	4	21,000	84,000	4	0	4	21,000	84,000	4	0	4	23,000	92,000	4	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	1	0	304,220	-	1	1	0	400,000	-	1	1	0	900,000	-
52		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	0	1,108,740	-	0	0	0	1,500,000	-	0	0	0	4,000,000	-
54	Orthopedic	Plaster Cutting Pneumatic	1	0	1	276,250	276,250	1	0	1	276,250	276,250	1	0	1	450,000	450,000	1	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	0	432,623	-	0	0	0	550,000	-	0	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	1	0	1,418,958	-	1	1	0	1,500,000	-	1	1	0	2,400,000	-
58		Autoclave	1	1	0	441,000	-	1	1	0	441,000	-	1	1	0	550,000	-	1	1	0	850,000	-

Medical Equipment

			Original					1st Revised					2nd Revised					3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
59	Gynea (20 beds)	Delivery Set	10	5	5	31,500	157,500	10	5	5	31,500	157,500	10	5	5	40,000	200,000	10	5	5	65,000	325,000
60		Delivery Table	2	2	0	47,250	-	2	2	0	47,250	-	2	2	0	47,250	-	2	2	0	55,000	-
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	2	0	2	294,000	588,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
62		D & C Set	2	5	0	34,650	-	2	5	0	34,650	-	2	5	0	40,000	-	2	5	0	60,000	-
63		Vaccume Extractor	1	0	1	259,350	259,350	1	0	1	259,350	259,350	1	0	1	300,000	300,000	1	0	1	350,000	350,000
64		CTG Machine	1	0	1	628,049	628,049	1	0	1	628,049	628,049	1	0	1	725,000	725,000	1	0	1	900,000	900,000
65		ECG Machine Three Channel	1	0	1	169,785	169,785	1	0	1	169,785	169,785	1	0	1	180,000	180,000	1	0	1	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	2	1	1	304,220	304,220	2	1	1	400,000	400,000	2	1	1	900,000	900,000
67		Baby Cot	2	1	1	14,669	14,669	2	1	1	14,669	14,669	2	1	1	16,000	16,000	2	1	1	16,000	16,000
68		Delivery trolly	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	47,250	47,250
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	1	0	144,375	-	1	1	0	175,000	-	1	1	0	200,000	-
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	0	0	3,355,849	-	0	0	0	3,355,849	-	0	0	0	4,000,000	-	0	0	0	7,800,000	-
71		Operation Table	0	2	0	1,426,215	-	0	2	0	1,426,215	-	0	2	0	2,000,000	-	0	2	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	1	0	285,466	-	0	1	0	285,466	-	0	1	0	400,000	-	0	1	0	900,000	-
73		Suction Pump	0	1	0	259,350	-	0	1	0	259,350	-	0	1	0	275,000	-	0	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	0	1	0	9,744	-	0	1	0	12,000	-	0	1	0	20,000	-
75		Set of Surgical Instruments	0	1	0	141,750	-	0	1	0	141,750	-	0	1	0	160,000	-	0	1	0	220,000	-
76	Others	Stretcher	10	0	10	68,250	682,500	10	0	10	68,250	682,500	10	0	10	69,300	693,000	10	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	10	0	10	31,500	315,000	10	0	10	35,000	350,000	10	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	6	0	6	4,200	25,200	6	0	6	4,500	27,000	6	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	0	5	237,618	1,188,091	5	0	5	237,618	1,188,091	5	0	5	400,000	2,000,000	5	0	5	600,000	3,000,000
80		BP Appratus	15	8	7	15,750	110,250	15	8	7	15,750	110,250	15	8	7	16,000	112,000	15	8	7	16,000	112,000
81		Ventilator	0	1	0	2,195,080	-	0	1	0	2,195,080	-	0	1	0	3,500,000	-	0	1	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	1	0	1	1,098,510	1,098,510	1	0	1	2,100,000	2,100,000	1	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	1	0	1	858,440	858,440	1	0	1	925,000	925,000	1	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	2	0	2	94,500	189,000	2	0	2	100,000	200,000	2	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	7	0	7	850,000	5,950,000	7	0	7	-	-	7	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	4	0	4	210,000	840,000	4	0	4	400,000	1,600,000	4	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	4	0	4	15,750	63,000	4	0	4	30,000	120,000	4	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	0	330,750	-	0	0	0	650,000	-	0	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	0	169,785	-	0	0	0	180,000	-	0	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	1	0	1	108,780	108,780	1	0	1	125,000	125,000	1	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	0	259,350	-	0	0	0	275,000	-	0	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	0	298,200	-	0	0	0	900,000	-	0	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	2	0	2	1,600,000	3,200,000	2	0	2	3,500,000	7,000,000	2	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	0	1,098,510	-	0	0	0	2,100,000	-	0	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	1	0	1	23,835	23,835	1	0	1	47,250	47,250	1	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	1	0	1	2,470,546	2,470,546	1	0	1	3,000,000	3,000,000	1	0	1	3,500,000	3,500,000
104	Dental Unit	Dental Unit	2	0	2	2,190,000	4,380,000	2	0	2	2,190,000	4,380,000	2	0	2	2,820,000	5,640,000	2	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	1	0	1	282,975	282,975	1	0	1	350,000	350,000	1	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	0	94,500	-	0	0	0	150,000	-	0	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	0	84,000	-	0	0	0	160,000	-	0	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	1	0	1	120,750	120,750	1	0	1	175,000	175,000	1	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	95,000	95,000	1	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	1	0	1	199,601	199,601	1	0	1	265,000	265,000	1	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	0	42,000	-	0	0	0	70,000	-	0	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	4	0	4	157,500	630,000	4	0	4	175,000	700,000	4	0	4	175,000	700,000
131	Beds	Fowler beds with Mattress	60	0	60	70,000	4,200,000	60	0	60	70,000	4,200,000	60	0	60	110,000	6,600,000	60	0	60	150,000	9,000,000
		Total					**48,875,373**					**48,875,373**					**64,517,570**					**94,564,388**
							48.875					**48.875**					**64.518**					**94.564**

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	3	1,300,000	3,900,000
2	Transformers (100 KVA)	0	450,000	-	0	450,000	-	1	800,000	800,000	1	800,000	800,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	2	9,000,000	18,000,000
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	22	55,500	1,221,000	22	55,500	1,221,000	22	55,500	1,221,000	22	139,150	3,061,300
7	2 Ton air conditioners (Cabinet)	24	78,000	1,872,000	24	78,000	1,872,000	24	78,000	1,872,000	24	187,200	4,492,800
8	4 Ton air conditioners (Cabinet)	4	120,000	480,000	4	120,000	480,000	4	120,000	480,000	4	353,899	1,415,596
9	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	6,975	348,750
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	6,600	316,800
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			**11,892,940**			**11,892,940**			**13,292,940**			**39,743,246**
				11.893			**11.893**			**13.293**			**39.743**

IT & QMS & Surveillance

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**Item Name**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**
1	Desktop, UPS, LED	30	75,000	2,250,000	30	75,000	2,250,000	30	130,000	3,900,000	30	216,000	6,480,000
2	MS Windows License	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000
3	Scanner Flatbed with ADF	3	90,000	270,000	3	90,000	270,000	3	150,000	450,000	3	150,000	450,000
4	Heavy duty Printer	7	40,000	280,000	7	40,000	280,000	7	50,000	350,000	7	110,000	770,000
5	Multimedia Projector with Screen	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
6	Tabs	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000
7	Laptop	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
8	MS Windows License	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000
9	QMS System	1	3,700,000	3,700,000	1	3,700,000	3,700,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
10	Networking	1	995,000	995,000	1	995,000	995,000	1	995,000	995,000	1	1,200,000	1,200,000
11	Monitoring & Surveillance (CCTV)	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
12	Public Address System	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,200,000	1,200,000
	Total			**14,515,000**			**14,515,000**			**16,715,000**			**20,120,000**
				14.515			**14.515**			**16.715**			**20.120**

Furniture and Fixtures

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	40000	2,400,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	40000	400,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	60000	480,000
4	Doctors rooms Furniture	30	70,000	2,100,000	30	70,000	2,100,000	30	70,000	2,100,000	30	125000	3,750,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20000	40,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	200	1,200,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9000	360,000
13	Printing			1,000,000			1,000,000			1,000,000			1,000,000
	Machinery and Equipment's												
14	Refrigerator(Domestic) front glass double door	2	160,000	320,000	2	160,000	320,000	2	160,000	320,000	2	150000	300,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	90000	450,000
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	50000	250,000
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	75000	375,000
18	Washing machines for pantries	3	13,000	39,000	3	13,000	39,000	3	13,000	39,000	3	11000	33,000
19	Gas Burner for pantries	10	4,800	48,000	10	4,800	48,000	10	4,800	48,000	10	80000	800,000
20	Fire Extinguishers DCP	30	4,800	144,000	30	4,800	144,000	30	4,800	144,000	30	6500	195,000
21	LED TV	15	55,000	825,000	15	55,000	825,000	15	55,000	825,000	15	140000	2,100,000
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	60000	300,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	20000	80,000
	Laundry & Washing												
24	Bed Sheets and pillow covers	300	1,250	375,000	300	1,250	375,000	300	1,250	375,000	300	2500	750,000
25	Pillows	150	400	60,000	150	400	60,000	150	400	60,000	150	500	75,000
26	Blankets with covers	100	5,000	500,000	100	5,000	500,000	100	5,000	500,000	100	4000	400,000
	Medicine Store												
27	Medicine (Iron Racks) 8x6x2 (Required)	20	50,000	1,000,000	20	50,000	1,000,000	20	50,000	1,000,000	20	60000	1,200,000
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	20000	40,000
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	35000	70,000
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	10000	200,000
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	6500	162,500
33	Thermometer (Required)	20	16,000	320,000	20	16,000	320,000	20	16,000	320,000	20	600	12,000
	Total	**7169**	**951100**	**13,503,500**	**7169**	**951100**	**13,503,500**	**7169**	**951100**	**13,503,500**	**7169**	**1288300**	**18,787,500**
				13.504			**13.504**			**13.504**			**18.788**

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	9,710	58,260	6	9,710	58,260	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	8,883	53,298	6	8,883	53,298	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	107,950	107,950	1	107,950	107,950	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	13,870	138,700	10	13,870	138,700	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	21,586	21,586	1	21,586	21,586	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	28,940	28,940	1	28,940	28,940	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	35,738	35,738	1	35,738	35,738	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	43,401	43,401	1	43,401	43,401	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	50,674	50,674	1	50,674	50,674	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,623	22,869	3	7,623	22,869	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	45,299	271,794	6	45,299	271,794	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	39,523	79,046	2	39,523	79,046	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	87,201	436,005	5	87,201	436,005	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	66,393	331,965	5	66,393	331,965	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	49,171	196,684	4	49,171	196,684	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	49,741	198,964	4	49,741	198,964	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,577	88,039	7	12,577	88,039	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,615	72,300	20	3,615	72,300	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	831	83,100	100	831	83,100	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,365	136,500	100	1,365	136,500	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,465	173,250	50	3,465	173,250	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,763	17,630	10	1,763	17,630	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,220	12,200	10	1,220	12,200	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,336	46,720	20	2,336	46,720	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,236	101,180	5	20,236	101,180	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,085	52,125	25	2,085	52,125	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	627	3,135	5	627	3,135	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,097	10,970	10	1,097	10,970	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	852	12,780	15	852	12,780	15	1,225	18,375	15	1,225	18,375
		Total			**2,885,803**			**2,885,803**			**4,146,482**			**4,146,482**
		Designing and Site Supervision			86,574			86,574			124,394			124,394
		Grand Total			**2,972,377**			**2,972,377**			**4,270,877**			**4,270,877**
					2.972			2.972			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
1	Cylinder Block	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
2	Geometrical Cabinet (36 pcs)	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
3	Geometrical Solids (10 pcs)	1	2,200	2,200	1	2,200	2,200	1	2,200	2,200	1	2,200	2,200
4	Base for Geometrical Solids (14 pcs)	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
5	Constructive Triangles (4 box)	1	400	400	1	400	400	1	400	400	1	400	400
6	Metal Insets (10 - shape)	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
7	Stand for metal insets	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
8	Paper Board for metal insets (10 Boards)	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
9	Sandpaper Alphabets (English)	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
10	Sandpaper Alphabets (Urdu)	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500
11	Sandpaper Number	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
12	Hammer Case	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
13	Soft Reading Book	15	200	3,000	15	200	3,000	15	200	3,000	15	200	3,000
14	Shape Sorting Case	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
15	Transport Set (Model)	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
16	Model Puzzles (S)	7	300	2,100	7	300	2,100	7	300	2,100	7	300	2,100
17	Model Puzzles (B)	7	500	3,500	7	500	3,500	7	500	3,500	7	500	3,500
18	Storybook	20	100	2,000	20	100	2,000	20	100	2,000	20	100	2,000
19	Information Book (Large)	20	350	7,000	20	350	7,000	20	350	7,000	20	350	7,000
20	Basket (L)	10	1,000	10,000	10	1,000	10,000	10	1,000	10,000	10	1,000	10,000
21	Basket (S)	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
22	Color table Box	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
23	ABC Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
24	Number Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
25	Color Pensils (Large)	5	450	2,250	5	450	2,250	5	450	2,250	5	450	2,250
26	Color Crayons (Large)	5	300	1,500	5	300	1,500	5	300	1,500	5	300	1,500
27	Marker Color (Board and Permanent)	15	395	5,925	15	395	5,925	15	395	5,925	15	395	5,925
28	Fruits Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
29	Vegetables Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
30	Animal Sets	2	600	1,200	2	600	1,200	2	600	1,200	2	600	1,200
31	Insects sets	2	400	800	2	400	800	2	400	800	2	400	800
32	Shape Sorting House	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000
33	Flash card (Small)	10	120	1,200	10	120	1,200	10	120	1,200	10	120	1,200
34	Flash card (Big)	10	325	3,250	10	325	3,250	10	325	3,250	10	325	3,250
35	Sand Play	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000
36	Gym Play	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000
37	Straight Mats	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000
38	Folding Mats	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000
39	Diaper Changing Mats	3	300	1,500	3	300	1,500	3	300	1,500	3	300	1,500
40	Cube Cushion	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
41	Square Cushion	2	500	600	2	500	600	2	500	600	2	500	600
42	Baby Mirror	3	300	2,400	3	300	2,400	3	300	2,400	3	300	2,400
43	Pink Tower With Stand	1	800	500	1	800	500	1	800	500	1	800	500
44	Dressing Frames	10	500	8,000	10	500	8,000	10	500	8,000	10	500	8,000
45	Monkey Stuffed	2	800	2,400	2	800	2,400	2	800	2,400	2	800	2,400
46	Lion Stuffed	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400
47	Cater Pillar Stuffed	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEMS**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**
52	Soft toys	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
53	Infants Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
54	Toddlers Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
55	Tri Cycles	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000
56	Wooden Cots	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000
57	Mattresses for Cots	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000
58	Pillows	10	300	3,000	10	300	3,000	10	300	3,000	10	300	3,000
59	Bed Sheets and pillow covers	20	400	8,000	20	400	8,000	20	400	8,000	20	400	8,000
60	Nets	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
61	High Chairs for feeding	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000
62	Rockers Cum Bouncer	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000
63	Cot Mobile	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000
64	Plastic Chairs (Round edges Animal Shapes)	7	600	4,200	7	600	4,200	7	600	4,200	7	600	4,200
65	Multi-Purpose Table	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000
66	Writing Board	1	500	500	1	500	500	1	500	500	1	500	500
67	Electric Sterilizer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
68	Electric Warmer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
69	Table sets	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000
70	Rocker	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200
71	Activity Gym (Infants)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
72	Play Gym	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500
73	Activity Gym (Toddlers)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
74	Toiler Training Seat	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000
75	Infant Toys	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000
76	Bath Toys	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000
77	Fun Links Teether	15	300	4,500	15	300	4,500	15	300	4,500	15	300	4,500
78	Fun Pal Teether	15	500	7,500	15	500	7,500	15	500	7,500	15	500	7,500
79	Fun Rattle	15	400	6,000	15	400	6,000	15	400	6,000	15	400	6,000
80	Mother feeding Chair	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
81	Soft Books (duplication)	20	500	10,000	20	500	10,000	20	500	10,000	20	500	10,000
82	Bottle Brushes	3	300	900	3	300	900	3	300	900	3	300	900
List of others Items i.e. Kitchen, Office, Electric items				-			-			-			-
1	Water Dispenser	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000
2	Microwave Oven	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400
3	Fridge	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000
4	Kitchen Accessories / Cutleries etc.	24	200	4,800	24	200	4,800	24	200	4,800	24	200	4,800
5	Sofa Set	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000
6	Office Table	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
7	Office Chairs	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000
8	Air Conditioner	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000
9	LCD	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000
10	DVD player	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			**1,600,000**			**1,600,000**			**1,600,000**			**1,600,000**
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	**NAME OF POST**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary for all Person**
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
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	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
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
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
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
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
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
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
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
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
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
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
15	Rent for Vehicle				500,000				500,000				500,000				0
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
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
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000
	Sub Total of HR Model			**4,860,000**	**17,220,000**			**4,860,000**	**17,220,000**			**5,040,000**	**28,140,000**				**5,273,000**
					17.220				**17.220**				**28.140**				
	Utilization of HR Component								**9.060**				12.85				
	Total of HR Component												**37.20**				

Salary for Two Years
3,255,000
3,255,000
3,255,000
3,255,000
3,255,000
3,255,000
3,255,000
2,728,000
4,340,000

600,000
1,920,000
1,200,000
4,000,000
500,000
540,000
420,000
1,200,000
240,000
40,473,000
40.473
53.318

Janitorial Services

	Original			1st Revised	2nd Revised
Assumptions				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residential area	27,597	sft			
Covered area assigned to one sweeper	7,500	sft			
Number of sweepers required for covered area	4	Persons			
Road and ROW area	51,938	sft			
Road and ROW assigned to one sweeper	15,000	sft			
Number of sweepers required for road and ROW area	3	Persons			
Number of washroom blocks	11	blocks			
Number of washroom block assigned to one sweeper	3	Persons			
Number of sweepers required for total washroom blocks	4	Persons			
Total sweeper in morning shift	10	Persons			
Total number of sweepers in evening shift	4	Persons			
Total number of sweepers in night shift	5	Persons			
Total number of sweepers in all shifts	22	Persons			
Number of sewer men required	3	Persons			
Number of supervisors	3	Persons			
Salary component					
Type of worker	**No of workers**	**Salary per month**	**Salary for One Year**		
Sweepers / Janitors	22	22,000	5,681,122		
Sewer men	3	22,000	792,000		
Supervisors	3	26,000	936,000		
Cost of Supply per Month		400,000	4,800,000		
Sub Total (Salary component)			**12,209,122**		
			12.209		

Security and Parking

	Original				From 1st Revised to Onward
Assumptions					In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residences	27,597				
Covered Area per guard	15,000				
Number of guards	**2**				
Open area excluding parking area	51,938				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**3**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**11**				
Total number of all guards for second shift	**6**				
Lady Searcher	**2**				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**15**				
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	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				**5,953,500**	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				**400,000**	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				**5,853,500**	
				5.854	

Laundry Services

	Original			From 1st Revised to Onward
Number of beds	**60**			In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Type of Item	**No of Beds**	**Per bed cost per year**	**Total Cost**	
No of Bed	60	30,000	1,800,000	
Transport Charges			1,200,000	
Total for laundry items			**3,000,000**	
Total			**3.000**	

Maintenance of Generator

Original

Item Name	Quantity	Cost per year	Total Cost
Periodical Maintenance Cost			
Number of Generators (200 KVA)	-	500,000	-
Number of Generators (100 KVA)	-	300,000	-
Number of Generators (50 KVA)	2	175,000	350,000
Repairs Cost	1	350,000	350,000
HR Cost			
Supervisor	1	40,000	240,000
Generator Operator	3	30,000	1,080,000
Technical Staff/Mechanic	-	30,000	-
Total			**2,020,000**
			2.020

From 1st Revised to Onward

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:

"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".

In view of above, Outsourcing cost has been excluded from this PC-I.

MEP

Original

Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year
Supervisors	1	56,420	56,420	677,040
Plumber	1	32,550	32,550	390,600
AC/ Technician	1	34,720	34,720	416,640
Electrician	2	31,465	62,930	755,160
Car painter	1	30,380	30,380	364,560
Total (Salary component)			**217,000**	**2,604,000**
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**
A/C	66	6,665	439,890	439,890
Fridge	5	4,000	20,000	20,000
UPS	12	8,000	96,000	96,000
Water Cooler	15	4,000	60,000	60,000
Exhaust	7	3,000	21,000	21,000
Geyser	15	4,000	60,000	60,000
Water Pump	3	3,000	9,000	9,000
Carpentry Work		-	180,000	180,000
Electrical Work		-	120,000	120,000
Plumbing Work		-	75,000	75,000
Sub Total				**1,080,890**
General Total				**3,684,890**
				3.685

From 1st Revised to Onward

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:

"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".

In view of above, Outsourcing cost has been excluded from this PC-I.

Medical Gases

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

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to Onward
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: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
	Total Amount of Platform Construction				**1,225,070**	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double 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	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized 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	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to Onward
	Total Cost of Pre-Fabrication of Canteen Structure				**3,307,052**	
	Total Amount (Rs)				**4,532,121**	
22	Electrification				998,735	
23	Plumbing and Sanitory				410,000	
24	Kitching Fixtures				802,000	
	Grand Total Amount (Rs)				**6,742,856**	

6.743

LANDSCAPE DEVELOPMENT WORKS

COST ESTIMATE

		Original				From 1st Revised to Onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I 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-I.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	9,184	20	183,680	
1.2	**STONE / PEBBLES**					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375	34,375	
1.3	**GRASSING**					
a	**GRASSING (EXISTING NON MAINTANE LAWNS)**					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings , Specifications and as approved by the Engineer.	Sft	25,361	7	177,527	
b	**GRASSING (NEW LAWNS)**					
	Providing and dibbing of Fine Dacca grass , including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	9,361	11.25	105,311	
1.4	**TREE / SHRUBS (SPREADING)**					
	Providing and planting tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
a	Trees 18" pot 6'-7' - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	242	1,500	363,000	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc.	No's	60	270	16,200	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	400	600	240,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	31,500	69	2,173,500	
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 etc	No's	4,875	195	950,625	
1.6	**GROUND COVERS**					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	25,000	12	300,000	
1.7	**PALMS**					
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer .					
a	Palm 18" pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	12	3,675	44,100	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	40	1,800	72,000	
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	100	195	19,500	
2	**HARD LANDSCAPE**					
2.1	**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	2000	150	300,000	

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original				From 1st Revised to Onward
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	10	12,562	125,620	
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	8	23,675	189,400	
2.4	**PLAYING EQUIPMENTS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	465,760	465,760	
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	7	3,850	26,950	
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	3	45,000	135,000	
3	**SOFT LANDSCAPE MAINTENANCE** (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	40,456	7.50	303,420	
4	**CONSTRUCTION OF PLANTERS**					
4.1	**Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	100	550	55,000	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	1,170	550	643,500	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	240	550	132,000	
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**7,256,468**	
	PRA(16%)				1,161,035	
	Design Consultancy				100,000	
	TPV (3%)				217,694	
	Grand Total				**8,735,197**	
					8.735	

BUILDINGS DIVISION OKARA

Revised

ROUGH COST ESTIMATE

FOR

PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HAVELI LAKHA DISTRICT OKARA

(ADP SCHEME NO. 658 / 2022-23)

ESTIMATED COST: Rs. ~~49.999~~ (M)

~~49.00 (M)~~

44.882 (M)

BUILDINGS SUB DIVISION DEPALPUR

REVISED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HAVELI LAKHA DISTRICT OKARA (ADP SCHEME NO. 658 / 2022-23)

Sr No.	Description	Approved scope/cost				Revised Estimate								Total Quantity	Total Amount	Diffirence		Remarks
						Let out / Executed				To be let out								
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	(7-11)	(10+14)	Excess	Saving	
A-1	Main Building														6120377		4482723	P.C
1	Revamping of OPD Block	1	Job	10603100	10603100					1	Job	5607146	5607146	1	5607146		4995954	
2	Revamping of (Gyne Ward, General and Childern Ward)	1	Job	5709509	5709509					1	Job	2766000	2766000	1	2766000		2943509	P.51
3	Revamping of X-Ray and Operational Block	1	Job	4326884	4326884					1	Job	3894705	3894705	1	3894705	432179	488169	P.59
ii	Provision of Electric Installation and Sanitry Filling									25230	Sft	183	4617090	25230	4617090	4617090		New P.A (100+83) = 183
4	~~Provision of CCTV System~~									25230	Sft	45	1135350	25230	1135350	1135350		New PA
5	~~Provision of Networking Sytem~~									25230	Sft	50	1261500	25230	1261500	1261500		New PA
8	Water Filteration Plant	1	Job	3783185	3783185	1	Job	3783185	3783185					1	3783185	0	0	
9	Extenral Development	1	Job	10054300	10054300	1	Job	7746200	7746200					1	7746200		2308100	
10	~~Const: of Pump House~~	182.3	SR	2055	374523.8	182.25	Sft	2055	374523.8					182.25	374524	0	0	
11	Over Head Reservior	5000	Gln	185	925000												925000	
12	~~Provision of 1/4 Cusic Turbine with Boring~~	1	Job	3648000	3648000	1	Job	3648000	3648000					1	3648000	0	0	
13	Const: of Generator Room (1 x 20 x 25)									500	Sft	2055	1027500	500	1027500	1027500		New P.A (1955 + 100) = 2055
ii	Const: of Generator Foundation									2	Job	91507	183015	2	183015	183015		New P.61
14	Provision of Power Wiring									1	Job	11765000	11765000	1	11765000	11765000		New P.9
	Wapda charges														5000000	5000000		
	Total				39424502				15551909				32257305		47809214			
																		4635292

Sr No.	Description	Approved scope/cost				Revised Estimate								Total Quantity	Total Amount	Difference		Remarks
		Qty	Unit	Rate	Amount	Let out / Executed				To be let out								
						Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	(7+11)	(10+14)	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
B	External Developments																	
	Add 10% External Development				37452				40332	1027500					1833 90 / 102750	65298		
	Add 5% PST				1973093				2087413						2128495 / 2087413	114320	114320	
					41435047				17679654				32257305		44881777 / 49969377	19736893	-11058243	

Say Rs. 41.435 (M)

Say Rs. ~~49.999~~ (M)

44.882

8.32%

Excess ~~20.95%~~

44.882

~~49.999~~/-

Technically vetted. Rs. 49.00(M)

SUB ENGINEER
BUILDINGS SUB DIVISION
DEPALPUR

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
DEPALPUR

EXECUTIVE ENGINEER
BUILDINGS DIVISION
OKARA

O/C

SUPERINTENDING ENGINEER
BUILDINGS CIRCLE
SAHIWAL

COMPARATIVE STATEMENT

PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HAVELI LAKHA DISTRICT OKARA

(ADP SCHEME NO. 658 / 2022-23)

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13
MAIN BUILDING (OPD)												
1	Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x1-1/2" longitudinal rows 2' wide c/c and divider 1"x1" size at 2' c/c and supported with walls for angle iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 35' to 40' etc complete in all respect and as per satisfaction of Engineer Incharge.	8594	1 Sft	94	807836	2530	1 Sft	85	215050		-592786	
2	P/F of wall pannelling of approved colour & design comprising of PVC 1.5mm thick double sheet braced @ 15-mm part over all thickness 8.50-mm including PVC gola at top PVC chennal at bottom complete as approved and director by the Engineer incharge.	12675	1 Sft	180	2281500	2214	1 Sft	180	398520		-1882980 ~~-2281500~~	
3	Providing / Fixing stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical balustrade, of 1-1/2" wide 3/8" thick stainless steel double strip with stainless stud welded to fancy reducer 2"x1/2" at top and M.S tikki 3" dia 1/4" thick at bottom fixed on steps with holding down rawel bolts 3"x3/8" M.S tikki covered with architectural multi offset shape stainless steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal steel cap ETC COMPLETE	180	1 Rft	2500	450000	140	1 Rft	2500	350000		-100000	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13
4	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor)	3962	1 Sft	266	1053892	2613	1 Sft	266	695058		-358834	
II	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 dado / skirting	795	1 Sft	280		1938	1 Sft	281	544578	544578		
5	P/F ALL TYPES OF PARTLY FIXED AND PARTLY OPENABLE GLAZED ANODIZED BRONZE COLOUR ALUMINIUM DOOR DUSING DELUX SECTION OF M/S PAKISTAN CABLES OR EQUIVELANT HAVING CHOWKAT FRAME OF SIZE 45.5 mm X 100mm AND LEAF FRAME OF 54MMX46MM WIDE AND ALL SECTIONS 2MM THICK I/C THE COST OF 5MM THICK IMPORTED TINTED GLASS WITH ALUMINIUM TRIANGULAR GOLA AND RUBBER GASSKET TO SUPPORT THE GLASS AND LEAF EDGINGS USING APPROVED STANDER FITTINGS, LOCKS, 3" WIDE LONG HANDLE ETC. HARDWARES ANY REQUIRED AS APPROVED BY THE ENGINEER INCHARGE.	714	1 Sft	800	571200						-571200	
6	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. a) 1 6 mm thick	800	1 Sft	750.2	600160	974	1 Sft	688.75	670843	70683		

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13
7	P/F M.S.GRILL OF 3/8"X3/8" SQ BAR I/C M.S FLAT 3/4"X3/16" FOR FRAME IN WINDOWS OF APPROVED DESIGN 6 NOS HOLDFAST 9" LONG OF M.S IRON 3/4" X3/4"X1/8" PAINTING THREE COATS I/C COST OF LABOUR MATERIAL AND CARRIAGE WELDING ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.	800	1 Sft	426	340800	974	1 Sft	426	414924	74124		
9	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	340	1 Sft	166	56440	346	1 Sft	180	62280	5840		
ii	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	1536	1 Sft	180	276480	1694	1 Sft	186	315084	38604		
10	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) Old surface:	8798	100 Sft	942.85	82952	9146	100 Sft	1034	94570	11618		
11	Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge	29	1 Each	3000	87000	29	1 Each	3000	87000	0	0	
12	Pacca brick work other than buildings ratio. 1:6	551	100 Cft	21020.2	115821						-115821	
13	a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:-	441	1 Cft	274.75	121165	460	1 Cft	274.75	126385	5220		
14	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed:	1351	100 Kg	15913.5	214991	1410	100 Kg	15913.5	224380	9389		

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13
27	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.					10	1 Sft	600	6000	6000		
28	Making Nursing counter complete as per specification					1	1 Each	3000	3000	3000		
29	1/2" thick c/s plaster on walls upto 20' high (1:4)					658	100 Sft	2302.1	15148	15148		
30	Preparing surface and painting with emulsion paint on old surface after scraping					18330	100 Sft	2110.9	386928	386928		
31	Dismantling of 2nd class Roof Tile					282	100 Sft	888.35	2505	2505		
32	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)					282	100 Sft	7846.25	22126	22126		
X-RAY AND OPRATIONAL BLOCK												
1	Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x1-1/2" longitudinal rows 2' wide c/c and divider 1"x1" size at 2' c/c and supported with walls for angle iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 35' to 40' etc complete in all respect and as per satisfaction of Engineer Incharge.	4395	1 Sft	94	413130						-413130	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Rer
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	
2	P/F of wall pannelling of approved colour & design comprising of PVC 1.5mm thick double sheet braced @ 15-mm part over all thickness 8.50-mm including PVC gola at top PVC chennal at bottom complete as approved and director by the Engineer incharge.	3162	1 Sft	180	569160						-569160	
3	Providing / Fixing stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical balustrade, of 1-1/2" wide 3/8" thick stainless steel double strip with stainless stud welded to fancy reducer 2"x1/2" at top and M.S tikki 3" dia 1/4" thick at bottom fixed on steps with holding down rawel bolts 3"x3/8" M.S tikki covered with architectural multi offset shape stainless steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal stainless steel pipe 3/4" dia 18 SWG.3 No fixed with vertical balustrades i/c steel polishing fixed at site complete in all respect and as approved by the Engineer Incharge (All stainless steel member, shell be of non magnetic) code No 304	170	1 Rft	2500	425000						-425000	
4	P/F ALL TYPES OF PARTLY FIXED AND PARTLY OPENABLE GLAZED ANODIZED BRONZE COLOUR ALUMINIUM DOOR DUSING DELUX SECTION OF M/S PAKISTAN CABLES OR EQUIVELANT HAVING CHOWKAT FRAME OF SIZE 45.5 mm X 100mm AND LEAF FRAME OF 54MMX46MM WIDE AND ALL SECTIONS 2MM THICK I/C THE COST OF 5MM THICK IMPORTED TINTED GLASS WITH ALUMINIUM TRIANGULAR GOLA AND RUBBER GASSKET TO SUPPORT THE GLASS AND LEAF EDGINGS USING APPROVED STANDER FITTINGS, LOCKS, 3" WIDE LONG HANDLE ETC. HARDWARES ANY REQUIRED AS APPROVED BY THE ENGINEER INCHARGE.	268	1 Sft	800	214400						-214400	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13
5	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. a) 2 mm thick	296	1	Sft	750.2	222059	490	1	Sft	688.75	337488	115428		
6	Providing and fixing M.S grill of 3/8"x3/8" sq bar i/c M.S flat 3/4"x3/16" for frame 6-Nos hold fast 9" long of M.S angle iron 3/4"x3/4"x1/8" complete in all respect as approved by the Engineer Incharge	296	1	Sft	426	126096	490	1	Sft	426	208740	82644		
7	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	130	1	Sft	166	21580	162	1	Sft	166	26892	5312		
8	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	506	1	Sft	180	91080	682	1	Sft	180	122760	31680		
9	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) old surface:	7515	100	Sft	942.85	70855	5073	100	Sft	942.85	47831		-23024	
10	Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge	15	1	Each	2500	37500	12	1	Each	3000	36000		-1500	
11	Pacca brick work other than buildings ratio. 1:6	323	100	Cft	21020.2	67895	274	100	Cft	22409.1	61401		-6494	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
12	a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:-	258	1 Cft	274.75	70886	40	1 Cft	274.75	10990		-59896	
13	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed.	791	100 Kg	15913.5	125876	123	100 Kg	15913.5	19574		-106302	
14	P/F TERRACOTTA TILES (KHAPRAIL TILE) OF APPROVED DESIGN AND SHAPE AND APPROVED COLOR LAID IN CEMENT SAND MORTAR 1:3 OVER A BED OF 3/4" THICK CEMENT SAND MORTAR 1:3 ROOF COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE. (with provision of additional labour & Scaffloding for 4th floor).	1032	1 Sft	100	103200						-103200	
15	Distempring old surface two coats.	6638	100 Sft	770.2	51126						-51126	
16	Dismantloing 2nd class tile roofing	176	100 Sft	888.35	1563	282	100 Sft	888.35	2505	942		
18	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	176	100 Sft	7846.25	13809	282	100 Sft	7846.25	22126	8317		
9	Dismantling cement concrete 1:2:4 plain.	61	100 Cft	7817.55	4769	184	100 Cft	7817.55	14384	9616		
0	Dismantling glazed or encaustic tiles, Dismentling of stone work etc	119	100 Cft	2132.05	2537	2437	100 Sft	1768.8	43106	40569		
1	Dry rammed brick ballast 1-1/2" to 2" guage complete3	119	100 Cft	4262.3	5072						-5072	
2	PCC ratio (1:2:4)	61	100 Cft	22550.6	13756						-13756	
3	Providing and fixing of anti static vinyle flooring 2mm thick brohely welded edges joint according latest or standard fire rating etc complete	759	1 Sft	2250	1707750						-1707750	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
24	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge..6mm Thick 600mm x 600mm					360	1 Sft	600	216000	216000		
25	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 In-charge 2.5mm thick					608	1 Sft	1350	820800	820800		
26	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.Cementitious Urethane					360	1 Sft	650	234000	234000		
27	Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,bufferbelt as approved and directed by the Engineer Incharge					268	1 Sft	750	201000	201000		
28	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112					373	1 Sft	266	99218	99218		

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Rem
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	
29	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 DADO / SKIRTING					295	1 Sft	281	82895	82895		
30	Providng and fixing Marble slab of china verona full width laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge					206	1 Sft	350	72100	72100		
31	Providing and fixing Lead Sheet in X-Ray Room complete as per specifications					713	1 Sft	1150	819950	819950		
32	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge					74	1 Sft	1050	77700	77700		
33	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.					10	1 Each	600	6000	6000		
34	Making Nursing counter complete as per specification					1	1 Each	3000	3000	3000		
35	Dismentling of brick in in C/S mortar complete 1:6					129	100 Cft	3253.8	4197	4197		
36	1/2" thick c/s plaster on walls upto 20' high (1:4)					1076	100 Sft	2302.1	24771	24771		
37	Preparing surface and painting with emulsion paint on old surface after scraping					11999	100 Sft	2110.9	253287	253287		
FILTERATION PLANT												
1	Provision of Filteration Plant	1	1 Job	3783000	3783000	1	1 Job	3783000	3783000	0	0	
GATE & GATE PILLAR												

1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead b) in ordinary soil.	1020	1000	Cft	7492.3	7642	1020	1000	Cft	7492.3	7642	0	0
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (e) Ratio 1: 4: 8	146	100	Cft	11257.6	16436	146	100	Cft	11257.55	16436	0	0
3	Pacca brick work ratio (1:6) in foundation and plinth complete	132	100	Cft	21645.8	28572	132	100	Cft	21645.75	28572	0	0
4	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)	162	1	Cft	379.6	61495	162	1	Cft	379.6	61495	0	0
5	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	243	1	Cft	274.75	66764	243	1	Cft	274.75	66764	0	0
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	1241	100	Kg	15913.5	197487	1241	100	Kg	15913.5	197487	0	0
	P/L Face work by using Gutka 9"x2-1/4"x2-1/4" of approved qulaity in cement surkhi mortar 1:3 ic/ back fillting with 1:3 cement sand mortar making tradezoidal groove / set back of 1/4" depth during fresh masonry work laid with G.I wire 8 SWG 8-shapped wall ties, one side embeded in teh masonry work and other side in Gutka at 12" c/c vertically and 36" c/c horizontally, raking out joints, curing, scaffolding and its removal complete (Contractor shall prepare samples at site) as approved by the Engineer incharge	540	1	Sft	130	70200	540	1	Sft	135	72900	2700	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13
8	P/F steel grated fancy gate consisting of 1 No main gate size 15'x8' and 1 No vicket gate size 5'x8' i/c 3 Nos mild steel grated pillar size 2¼'x2¼'x8' above ground level and 5'-9" in foundation gate and pillars comprising of mild steel angle iron 2"x2"x¼" frame double making box with mild steel ¾"x3/4" square bars @ 6" c/c to full height and additional ½"x½" square bar in gates @ 6" c/c alternate upto 5'-9" etc complete	320	1 Sft	2800	896000	320	1 Sft	2400	768000		-128000	
WATER SUPPLY												
1	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	4618	1000 Cft	5340.2	24661	4618	1000 Cft	5340.2	24661	0	0	
2	Providing and laying cutting jointing testing and disinfecting polyetheline pipeline with all specials etc complete in all respect 4" dia	1026	1 Rft	750	769500	1026	1 Rft	628.7	645046		-124454	
3	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel	4618	1000 Cft	1450	6696	4618	1000 Cft	1776.3	8203	1507		
POLE LIGHT												
1	Providing and Fixing Light Pole of 4" dia upto 15' Hight G.I pipe i/c cost of LED Light 240-Watt single Arm complete with light fitting brass holder and 100 watt bulb i/c M.S base plate 94"x24"x1/4" i/c cost of PCC foundation with three coat of silver paint as approved by the Engineer Incharge.	15	1 Each	75000	1125000	15	1 Each	61000	915000		-210000	
TUFF TILE / PAVER												
1	Earthowrk in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- i) 95% to 100% maximum modified AASHO dry density.	14854	1000 Cft	11500	170821	14854	1000 Cft	11452.65	170118		-703	

2	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and. aggregate. Crushed stone aggregate.	5546	100	Cft	9950	551827	5546	100	Cft	11940.25	662206	110379	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4)	1387	100	Cft	22732	315293	1387	100	Cft	22732	315293	0	0
4	Providing and lying Coloured Concrete pavers 80mm thick 7000 Psi minimum strength (concrete concept / Izhar Limited made) over a sand cushion of 2"-3" thick i/c sand grouting and finishing complete in all respect as approved by the Engineer Incharge.	11091	1	Sft	125.8	1395248	11091	1	Sft	125.1	1387484		-7764
5	Provinding and laying of Pre Cast Drain Perabolic shaape size 10"x12" as approved firm etc complete in all respect as approved by the Engineer Incharge	500	1	Rft	250	125000	500	1	Rft	200	100000		-25000
SEWERAGE SYSTEM													
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth						13761	1000	Cft	11740.4	161560	161560	
2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.						1764	100	Cft	9089.5	160339	160339	
3	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.9" dia						284	1	Rft	528.3	150037	150037	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II, Wall B, including carriage of pipe from factory to site of work, lowering in trenches correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) (12") i/d					653	1 Rft	695.6	454227	454227		
	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II, Wall B, including carriage of pipe from factory to site of work, lowering in trenches correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) (18") i/d					475	1 Rft	1181.8	561355	561355		
4	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel					13761	1000 Cft	2539.7	34949	34949		
FIBER SHED												
1	Providing And Fixing Fiber Glass Canopy comprising of vertical posts of M.S pipe 4" dia 14-SWG 11' c/c in both directions 8'-6" above floor level and 1'-6" embded in cement concrete 1;2;4 below floor level provide with top frame M.S pipe 2"x1" 16-SWG and M.S pipe 2"x1" 18-SWG laid laid in curvature with 2' rise from center point of main horizontal frame strengthened with vertical sports of same size pipe i/c fixing of approved colors fiber sheet 2mm (3-ply) thick by making holes in pipe and using rivots of appropriate size i/c painting as approved by the Engineer Incharge.	6460	1 Sft	450	2907000						-2907000	
RAISING / CONST: OF B/WALL												
1	Construction of Boundary Wall	150	1 Rft	4594.00	689100						-689100	
2	Pacca brick work in ground floor 1:6	1150	100 Cft	21792.8	250617	1150	100 Cft	23202.80	266832	16216		

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
3	Providing and fixing Razor Wire having double sharp 4 Nos, Pointer Razor @ 1-1/4" dia c/c in circular shape 24" ring @ 3" c/c fixed with 2 Nos MS Bar 1/2" x 1/2" square welding horizontally and 1 No post of MS Angle Iron 1-1/2" x 1-1/2" x 1/4" vertically 24" clear height & 12" emended in plain cement concrete 1:2:4 fixed at site i/c labour and carriage charges i/c painting 3 coats as approved and entire satisfaction of Engineer Incharge	1400	1 Rft	360	504000	1400	1 Rft	360	504000	0	0	
PUMP HOUSE												
1	Const of Pump House	182.3	1 Sft	2055	374627	182	1 Sft	2055	374627	0	0	
OVER HEAD RESERVIOR												
1	Construction of OHR	5000	1 Gln	185.00	925000						-925000	
BORING WITH TURBINE												
1	Direct Rotary/Reverse Rotary drilling of bore for tubewells, in all types of soil except shingle, gravel and rock:- from ground level to 250 ft. (75 m) below ground level:- i) 15" to 18" (375 to 450 mm) i/d	250	1 Rft	546.35	136588	250	1 Rft	546.35	136588	0	0	No need
ii	250' to 500' depth	350	1 Rft	546.35	191223	350	1 Rft	546.35	191223	0	0	as per
2	Proving strong substantially built box of deodar wood 4'x2-1/2'x3/4' with compartement, lock and locking arrangement for preserving samples of strata from bore hole.	1	1 Job	18629.6	18630	1	1 Job	18629.55	18630	0	0	hospital
3	Furnishing sample of water from bore hole per set of two No. bottles.	1	1 Set	170.7	171	1	1 Set	170.7	171	0	0	administration
4	P/L brass strainer in tube well bore hole i/c socket speical etc complete 6" i/dia 3/16" thick.	140	1 Rft	2760.35	386449	140	1 Rft	2760.35	386449	0	0	
5	Providing and installation of M.S bail plug in tube well bore hole 10" i/dia 2-Rft long etc.	1	1 Each	2638.55	2639	1	1 Each	2638.55	2639	0	0	
6	Providing and installation M.S blind pipe soked welded joints M.S reducer their necessary in tube well bore hole i/c jointing with strainer etc complete.											
	_____ do _____ 12" dia 1/4" thick.	150	1 Rft	2770.3	415545	150	1 Rft	2770.3	415545	0	0	
ii	_____ do _____ 6" dia	310	1 Rft	1397.4	433194	310	1 Rft	1397.4	433194	0	0	
iii	_____ do _____ 4" dia	360	1 Rft	621.45	223722	360	1 Rft	621.45	223722	0	0	

Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
7	Testing and developing of tubewell of size 6" (150 mm) i/d and above continuously. i) upto 1.5 cs. discharge	48	1 Hrs	1157.65	55567	48	1 Hrs	1157.65	55567	0	0	
8	Shrouded with graded pea gravel 3/8" to 3/8" around tube well bore hole etc complete.	909	1 Cft	118.75	107944	909	1 Cft	118.75	107944	0	0	
9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including ost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust	163	100 Kg	15913.3	25939	163	100 Kg	15913.3	25939	0	0	
10	Prviding an dfixing of sluice valve 6" diac omplete in all respect	1	1 Each	14526.8	14527	1	1 Each	14526.8	14527	0	0	
11	Providing and fixing of M.S Reducer 6"x10" etc complete	1	1 Each	4500	4500	1	1 Each	4500	4500	0	0	
12	Installation of 0.25 cuec tube well providing installation of .5 cusec 187/rpm, vertical line shaft turbine pump DWT pump size B8B/8 stages i/c prime mover, 20HP MCU-ASD-20HP, complete (quotation attached).	1	1 Each	1631250	1631250	1	1 Each	1631250	1631250	0	0	
Provision of Electric Installation												
1	Provision of Electric Installation + Public Health Works					25230	1 Sft	183	4617090	4617090		
CCTV System												
1	Provision of CCTV System					25230	1 Sft	45	1135350	1135350		
Networking System												
1	Provision of Networking System					25230	1 Sft	50	1261500	1261500		
Generator Room												
1	Const: of Generator Room					500	1 Sft	2055	1027500	1027500		
i	Generator Foundation					2	1 Job	91507	183014	183014		
POWER WIRING										6765000	6765000	
1	Provision of Power Wiring					1	1 Job	11765000	11765000	11765000		
	Wapda charges (Transformer etc.)			Total	39428409			5,000,000	48269759			
	Credit of old material											

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Sr	Description	As per Approved Estimate				As per Ammended Rough cost Estiate				Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Excess	Saving	
	Old Bricks				3513				566265	4256706	-569778	
				Total	39424896				~~47703493~~	~~4256706~~		
	Add External Development				37452				~~205560~~	183390 168048		
	Add 5% PRA				1973093				~~2087413~~	2128485 114320		
				Total	41435441				~~49999406~~ 44881581	~~20387541~~ 3446140	-20823576	

Say Rs. 41.435 (M)

Say Rs. ~~49.999~~ (M) 44.882

Excess 8563965

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
DEPALPUR

EXECUTIVE ENGINEER
BUILDINGS DIVISION
OKARA

REVAMPING OF THQ HOSPITAL HAVELI LAKHA (O.P.D)

Sr	Description	Qty	Unit	Rate	Amount
1	Dismantling cement concrete 1:2:4 plain.	493	100 Cft	8421.6	41504
2	Dismantling glazed or encaustic tiles, Dismentling of stone work etc	3615	100 Sft	1768.8	63933
3	Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x1-1/2" longitudinal rows 2' wide c/c and divider 1"x1" size at 2' c/c and supported with walls for angle iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 35' to 40' etc complete in all respect and as per satisfaction of Engineer Incharge.	2530	1 Sft	85	215050
4	Providing / Fixing stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical balustrade, of 1-1/2" wide 3/8" thick stainless steel double strip with stainless stud welded to fancy reducer 2"x1/2" at top and M.S tikki 3" dia 1/4" thick at bottom fixed on steps with holding down rawel bolts 3"x3/8" M.S tikki covered with architectural multi offset shape stainless steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal stainless steel pipe 3/4" dia 18 SWG 3 No fixed with vertical balustrades i/c steel polishing fixed at site complete in all respect and as approved by the Engineer Incharge (All stainless steel member, shell be of non magnetic) code No 304	140	1 Rft	2500	350000
5	Provding and fixing 140 mm wide PVC hand rail panel of specified color holst over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,buffer belt as approved and directed by the Engineer Incharge	538	1 Rft	615 ~~750~~	330870 ~~403500~~
6	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112	2613	1 Sft	266	695058
7	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 dado / skirting	1938	1 Sft	281	544578
8.	P/F 1.5 mm thick Doble Sheet P.V.C wall Panelling i/c P.V.C Gola at Top Complete	~~2214~~ 2214	1 Sft	180	398520

8	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper. brush chennel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick	974	1 Sft	688.75	670843
9	P/F M.S.GRILL OF 3/8"X3/8" SQ BAR I/C M.S FLAT 3/4"X3/16" FOR FRAME IN WINDOWS OF APPROVED DESIGN 6 NOS HOLDFAST 9" LONG OF M.S IRON 3/4" X3/4"X1/8" PAINTING THREE COATS I/C COST OF LABOUR MATERIAL AND CARRIAGE WELDING ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.	974	1 Sft	426	414924
10	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge (Double jali Grill)	1558	1 Sft	450	701100
11	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	221	1 Sft	1050	232050
12	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	346	1 Sft	180	62280
13	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	1694	1 Sft	186	315084
14	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) Old surface:	9146	100 Sft	1034	94570
15	Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge	29	1 Each	3000	87000
16	Dismentling of brick in in C/S mortar complete 1:6	864	100 Cft	3253.8	28113
17	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.	20	1 Rft	600.0	12000

18	a)(ii) Reinforced cement concrete in slab or rafts / ramp foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:-	460	1 Cft	274.75	126385
19	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed.	1410	100 Kg	15913.5	224380
20	P/F CEMENT KHAPRIL TILE OF APPROVED DESIGN AND SHAPE AND APPROVED LAID IN CEMENT SAND MORTAR 1:3 OVER A BED OF 3/4" THICK CEMENT SAND MORTAR 1:3 ROOF COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE. (with provision of additional labour & Scaffloding).	1764	1 Sft	70	123480
21	Preparing surface and painting with emulsion paint on old surface after scraping	17762	100 Sft	1536.65	272940
22	Dismantling of 2nd class Roof Tile	493	100 Sft	888.35	4380
23	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	493	100 Sft	7846.25	38682
			Total		~~5721833~~ 5648333
	Credti of old material				
1	Bricks	863	1000 Nos	4500	3882
2	Bats	31	100 Cft	2500	770
3	Old M.S windows	1	1 Each	5000	5000
4	Old M.S windows	25	1 Each	2500	62500
5	Old M.S windows	12	1 Each	2300	27600
6	Old M.S windows	10	1 Each	2000	20000
7	Old M.S windows	5	1 Each	1500	7500
8	Old Wash hand Basin	10	1 Each	500	5000
9	Old Bib Cock	35	1 Each	50	1750
10	Old copper counductor cable 3/.029"	2000	1 Mtr	~~15-25~~	~~60000~~ 30000
11	Old copper counductor cable 7/.029"	1200	1 Mtr	~~20-40~~	~~48000~~ 24,000
12	Old copper counductor cable 7/.036"	1000	1 Mtr	~~25-45~~	~~45000~~ 25000
13	Old Swich Board i/c piano type swichs	50	1 Each	20	1000
			Total		~~278003~~ 254502
			Net		5443831
		Add 3% Contingency			163315
			Total		5607146

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
DEPALPUR

EXECUTIVE ENGINEER
BUILDINGS DIVISION
OKARA

07.8.12

Sr	Description	No	Length	Width	Height	Total
1	Dismantling cement concrete 1:2:4 plain.					
	Homopathy	1	12	13.625	0.167	27 Cft
	Exam	1	5.0	7.25	0.167	6 Cft
	Doc. Room	1	12	13.625	0.167	27 Cft
	staff /store in Ca drg	1	12	13.625	0.167	27 Cft
	Treatment	1	8.00	13.625	0.167	18 Cft
	Dispencary	1	14.00	13.625	0.167	32 Cft
	Veranda	1	255.00	7	0.167	298 Cft
		8	5	6	0.167	40 Cft
		4	5	4	0.167	13 Cft
		1	6	4.25	0.167	4 Cft
				Total		493 Cft
2	Dismantling glazed or encaustic tiles, Dismentling of stone work etc					
			(+)			
		2	12	13.625	4	205 Sft
		2	5.0	7.25	4	98 Sft
		2	12	13.625	4	205 Sft
		2	12	13.625	4	205 Sft
		2	8.00	13.625	4	173 Sft
		2	14.00	13.625	4	221 Sft
		1	255.00	0	4	1020 Sft
	Toil	16	5	6	7	1232 Sft
		8	5	4	7	504 Sft
		2	6	4.25	7	144 Sft
				Total		4007 Cft
	D/d Opening					
		6	3.5	9		189 Sft
		12	2.5	6.75		203 Sft
				Total		**392 Sft**
	Net	4007	-	**392**	=	**3615 Sft**
3	Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x1-1/2" longitudinal rows 2' wide c/c and divider 1"x1" size at 2' c/c and supported with walls for angle iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 35' to 40' etc complete in all respect and as per satisfaction of Engineer Incharge.					
	Homopathy	1	12	13.625		164 Sft
	Exam	1	5.0	7.25		36 Sft
	Doc. Room	1	12	13.625		164 Sft
	Waiting	1	15.25	13.625		208 Sft
	staff /store in Ca drg	1	12	13.625		164 Sft
	Treatment	1	8.00	13.625		109 Sft
	Dispencary	1	14.00	13.625		191 Sft
	Veranda	1	103.75	9		934 Sft
	Main Entrance	1	18.00	15.5		279 Sft
		1	12.00	23.375		281 Sft
				Total		**2530 Sft**

welded over vertical balustrade, of 1-1/2" wide 3/8" thick stainless steel double strip with stainless stud welded to fancy reducer 2"x1/2" at top and M.S tikki 3" dia 1/4" thick at bottom fixed on steps with holding down rawel bolts 3"x3/8" M.S tikki covered with architectural multi offset shape stainless steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal steel cap 3" dia at bottom and reduced to 1-1/2" dia at top in 2" height in horizantal stainless steel pipe 3/4" dia 18 SWG 3 No fixed with vertical balustrades i/c steel polishing fixed at site complete in all respect and as approved by the Engineer Incharge (All stainless steel member, shell be of non magnetic) code No 304

Ramp

1	24		24 Rft
1	16		16 Rft
2	50		100 Rft
		Total	**140 Rft**

5 Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,buffer belt as approved and directed by the Engineer Incharge

Corridor

Entrance.lobby

2	255		510 Rft
2	14		28 Rft
		Total	**538 Rft**

6 P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112

Homopathy	1	12	13.625	164 Sft
Exam	1	5.0	7.25	36 Sft
Doc. Room	1	12	13.625	164 Sft
staff /store in Ca drg	1	12	13.625	164 Sft
Treatment	1	8.00	13.625	109 Sft
Dispencary	1	14.00	13.625	191 Sft
Veranda	1	255.00	7	1785 Sft
			Total	**2613 Sft**

7 P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 dado / skirting

(+)

2	12	13.625	4	205
2	5.0	7.25	4	98
2	12	13.625	4	205
2	12	13.625	4	205
2	8.00	13.625	4	173
2	14.00	13.625	4	221
1	255.00	0	4	1020
		Total		**2127 Sft**

D/d Opening

6	3.5	9	189 Sft
		Total	**189 Sft**

Net

2127	-	189	= 1938 Sft

8. P/F of P.V.C Wall Panel-9

2	(12+13.625) x 8	= 410
2	(5+7.25) x 8	= 196
2	(12+13.625) x 8	= 410
2	(12+13.625) x 8	= 410
2	(8+13.625) x 8	= 346
2	(14+13.625) x 8	= 442

Total 2214 Sft

8 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick

W.1	1	5	9	45 Sft
W.2	25	4	6.5	650 Sft
W.3	1	10	5.5	55 Sft
W.4	12	4	3	144 Sft
Cw1	10	3	2	60 Sft
Cw.2	5	2	2	20 Sft
			Total	**974 Sft**

9 P/F M.S.GRILL OF 3/8"X3/8" SQ BAR I/C M.S FLAT 3/4"X3/16" FOR FRAME IN WINDOWS OF APPROVED DESIGN 6 NOS HOLDFAST 9" LONG OF M.S IRON 3/4" X3/4"X1/8" PAINTING THREE COATS I/C COST OF LABOUR MATERIAL AND CARRIAGE WELDING ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

As same qty item no.6 — 974 Sft

Total — **974 Sft**

10 Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge (Double jali Grill)

OPD Front Corridor

25	6	9.5	1425 Sft
2	7	9.5	133 Sft
		Total	**1558 Sft**

11 Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

Toilets

8	2.50	7	140 Sft
3	3	9	81 Sft
		Total	**221 Sft**

12 PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color

Toil

8	5	6	240 Sft
4	5	4	80 Sft
1	6	4.25	26 Sft
		Total	**346 Sft**

13 PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color

16	11	7	1232 Sft

8	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	221	1 Sft	1050	232050
9	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	384	1 Sft	166	63744
10	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	1696	1 Sft	180	305280
11	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) Old surface:	6116	100 Sft	942.85	57665
12	Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,bufferbelt as approved and directed by the Engineer Incharge	350	1 Rft	615 ~~600~~	21525 ~~210000~~
13	Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge	12	1 Each	3000	36000
14	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.	10	1 Each	600	6000
15	Making Nursing counter complete as per specification	1	1 Each	3000	3000
16	Pacca brick work other than buildings ratio. 1:6	99	100 Cft	23202.8	22971
17	1/2" thick c/s plaster on walls upto 20' high (1:4)	658	100 Sft	2302.1	15142
18	a)(ii) Reinforced cement concrete in Roof slab Beam comln Linter; etc and other structural members other than those mentioned in 5(a) (i) aboverequiring form work (i.e. horizental shuttering) complete in all respects:-	3	1 Cft	274.75	824
19	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed.	9	100 Kg	15913.5	1432
20	Preparing surface and painting with emulsion paint on old surface after scraping	18330	100 Sft	2110.85	386919

21	Dismantling of 2nd class Roof Tile	282	100 Sft	888.35	2505
22	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Suppiying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	282	100 Sft	7846.25	22126
			Total		**2869298**
	Credti of old material				
1	Bricks	494	1000 Nos	4500	2221
2	Bats	18	100 Cft	2500	441
3	~~Old M.S windows~~	~~2~~	~~1 Each~~	~~5000~~	~~10000~~
4	Old M.S windows	20	1 Each	2500	50000
5	Old M.S windows	6	1 Each	2300	13800
6	Old Wash hand Basin	3	1 Each	500	1500
7	Old Bib Cock	12	1 Each	50	600
8	Old copper counductor cable 3/.029"	1500	1 Mtr	~~15~~ 25	~~37500~~ 22,500
9	Old copper counductor cable 7/.029"	1000	1 Mtr	~~20~~ ~~40~~	~~40000~~ 20,000
10	Old copper counductor cable 7/.036"	600	1 Mtr	~~25~~ ~~45~~	~~27000~~ 15,000
11	Old Swich Board i/c piano type swichs	40	1 Each	20	800
			Total		~~183861~~ 126862
			Net		~~2685437~~ 2747956
		Add 3% Contingency			~~80563~~ 82438
			Total		~~2766000~~ 2830394

SUB DIVISIONAL OFFICER
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EXECUTIVE ENGINEER
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OKARA

OMP 12

REVAMPING OF THQ HOSPITAL HAVELI LAKHA (WARD BLOCK & CONFRENCE)

Sr	Description	No	Length	Width	Height	Total
1	Dismantling cement concrete reinforced,separating reinforcement from concrete cleaning and straightening the same					
	R.CC shelf EPI Room	1	19.25	2	0.16667	6 Cft
				Total		**6 Cft**
2	Dismentling of brick in in C/S mortar complete 1:6					
	EPI Room	4	2	**0.375**	3	9 Cft
				Total		9 Cft
3	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112					
	EPI Room	1	19.25	8.75		168 Sft
	Oxygen	1	12.0	5.25		63 Sft
	Laundary & Med store	2	19.25	8.75		337 Sft
	Store	1	9.88	5		49 Sft
	Confrence Room	1	18.75	28		525 Sft
				Total		**1142 Sft**
4	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 DADO / SKIRTING		(+)			
		2	19.25	8.75	4	**224** Sft
		2	12.0	5.25	4	**138** Sft
		4	19.25	8.75	4	**448** Sft
		2	9.88	5	4	**119** Sft
		2	18.75	28	4	**374** Sft
				Total		**1303 Sft**
	Deduction door					
		3	3.50	4		42 Sft
		1	4.00	4		16 Sft
				Total		**58** Sft
	Net	**1303**	-	**58**	=	**1245 Sft**
5	Providng and fixing Marble slab of china verona full width laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge					
	W-Cill	22	4	**1.5**		132 Sft
		2	8	**1.5**		24 Sft
	Toil cw	4	4	1		16 Sft
				Total		**172 Sft**
6	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick					

Ward wind	2	8	8	128 Sft
Cw	6	4	2	48 Sft
			Total	**696 Sft**

7 P/F M.S.GRILL OF 3/8"X3/8" SQ BAR I/C M.S FLAT 3/4"X3/16" FOR FRAME IN WINDOWS OF APPROVED DESIGN 6 NOS HOLDFAST 9" LONG OF M.S IRON 3/4" X3/4"X1/8" PAINTING THREE COATS I/C COST OF LABOUR MATERIAL AND CARRIAGE WELDING ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

As same qty item no.6				696 Sft
			Total	**696 Sft**

8 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves ,compressed over 2.5 mm thickcommercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge. including dolly frame M.s Chowkat Complete as per specifications

Dengue	1	3.50	**8.5**	30 Sft
			Total	**30 Sft**

9 Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

Toilets	9	2.50	7	158 Sft
	3	3	7	63 Sft
			Total	**221 Sft**

10 PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color

Toil	6	5	4	120 Sft
Lav	3	5.25	8.75	138 Sft
Toil	3	8.37	5	126 Sft
			Total	**384 Sft**

11 PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color

	12	9	7	756 Sft
	6	14	7	588 Sft
	6	13.37	7	562 Sft
			Total	**1906 Sft**
Deduction				
6x2	12	2.5	7	210 Sft
			Total	**210 Sft**

		Net	1906	(-)	210	1696 Sft
12	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) Old surface:					
	Front & Back	2	128.5	17		4369 Sft
	Left & Right	2	50.75	17		1726 Sft
	Khapril tile 2(128.5+50.75)	2	179.25	2		717 Sft
				Total		**6812 Sft**
	D/d Openings					
	Same Qty Item No. Windows					696 Sft
				Total		**696 Sft**
	Net	6812	-	**696**	=	6116 Sft
13	Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,bufferbelt as approved and directed by the Engineer Incharge					
	Corridor	2	126			252 Rft
	Entrance lobby	2	48.75			98 Rft
				Total		**350 Rft**
14	Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge					12 No
				Total		**12 No**
15	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.					10 No
				Total		**10 No**
16	Making Nursing counter complete as per specification					1 No
				Total		**1 No**
17	Pacca brick work other than buildings ratio. 1:6					
	P/wall Dengue store	1	11	0.75	12	99 Cft
				Total		99 Cft
18	1/2" thick c/s plaster on walls upto 20' high (1:4)					
	P/wall Dengue store	2	11	12		264 Sft
	Window jam (20x2) ,(4+6.5)	50	10.5	0.75		394 Sft
				Total		658 Sft
19	a)(ii) Reinforced cement concrete in Roof slab Beam comln Linter; etc and other structural members other than those mentioned in 5(a) (i) aboverequiring form work (i.e. horizental shuttering) complete in all respects:-					
	Door lintel	1	4	0.75	1	3 Cft
				Total		3 Cft
20	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed.					
		3	6.75	0.454		9 Kg
				Total		9 Kg
21	Preparing surface and painting with emulsion paint on old surface after scraping					
	Gyne ward & Genral ward	2	48.5	18		1746 Sft
	Toil	6	5	4		120 Sft
		3	5	8.375		126 Sft
	Lav	3	5.25	8.75		138 Sft

	Doctor Duty	2	19.25	12	462 Sft
		2	9.625	5.25	101 Sft
	Toil	2	6.875	5.25	72 Sft
	Epi	1	19.25	8.75	168 Sft
		1	16	10	160 Sft
	Laundary store	2	19.25	8.75	337 Sft
	Dengue	2	19.25	11	424 Sft
		1	16	10	160 Sft
		1	9.625	5	48 Sft
		1	6	5.25	32 Sft
	Child ward	1	18	36.75	662 Sft
	Corridor	1	50.75	10	508 Sft
		1	128.5	8	1028 Sft
	_____do On walls_____				
		4	66.5	8	2128 Sft
		12	9	8	864 Sft
		6	13.375	8	642 Sft
		6	14	8	672 Sft
		4	31.25	8	1000 Sft
		4	14.875	8	476 Sft
		4	12.125	8	388 Sft
		2	28	8	448 Sft
		2	26	8	416 Sft
		4	28	8	896 Sft
		4	30.25	8	968 Sft
		2	26	8	416 Sft
		2	14.625	8	234 Sft
		2	11.25	8	180 Sft
		2	54.75	8	876 Sft
		1	50.75	8	406 Sft
		1	128.5	8	1028 Sft
				Total	18330 Sft
22	Dismantling of 2nd class Roof Tile				
		1	10	15	150 Sft
		1	14	6	84 Sft
		1	6	8	48 Sft
				Total	282 Sft
23	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)				
		1	10	15	150 Sft
		1	14	6	84 Sft
		1	6	8	48 Sft
				Total	282 Sft
	Credit of Old materil				
i	Bricks	282	0.5	3.5	494 Sft
ii	Bats	282	0.5	0.125	18 Cft
2	Old M.S windows				
		1	8	8	2 Nos
		1	4	6.5	20 Nos
		1	4	2	6 Nos
2	Old Wash hand Basin				3 Nos
				Total	3 Nos

3	Old Bib Cock		
			12 Nos
		Total	**12** Nos
4	Old copper counductor cable 3/.029"		
			500 1500 Mtr
		Total	500 1500 Mtr
5	Old copper counductor cable 7/.029"		
			500 1000 Mtr
		Total	500 **1000** Mtr
6	Old copper counductor cable 7/.036"		
			300 600 Mtr
		Total	300 **600** Mtr
7	Old Swich Board i/c piano type swichs		
			40 Nos
		Total	**40** Nos

SUB DIVISIONAL OFFICER
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REVAMPING OF THQ HOSPITAL HAVELI LAKHA (X-RAY & OPRATIONAL BLCOK)

Sr	Description	Qty	Unit	Rate	Amount
1	Dismantling cement concrete 1:2:4 plain.	184	100 Cft	7817.65	14348
2	Dismantling glazed or encaustic tiles, Dismentling of stone work etc	2437	100 Sft	1768.8	43106
3	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge..6mm Thick 600mm x 600mm	360	1 Sft	600	216000
4	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 In-charge 2.5mm thick	608	1 Sft	1350	820800
5	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.Cementitious Urethane	360	1 Sft	650	234000
6	Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,bufferbelt as approved and directed by the Engineer Incharge	268	1 Sft	615 ~~750~~	164820 ~~201000~~
7	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112	373	1 Sft	266	99218
8	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 DADO / SKIRTING	295	1 Sft	281	82895
9	Providng and fixing Marble slab of china verona full width laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge	206	1 Sft	350	72100
10	Providing and fixing Lead Sheet in X-Ray Room complete as per specifications	713	1 Sft	1150	819950

11	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides. Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick	490	1 Sft	688.75	337488
12	P/F M.S.GRILL OF 3/8"X3/8" SQ BAR I/C M.S FLAT 3/4"X3/16" FOR FRAME IN WINDOWS .OF APPROVED DESIGN 6 NOS HOLDFAST 9" LONG OF M.S IRON 3/4" X3/4"X1/8" PAINTING THREE COATS I/C COST OF LABOUR MATERIAL AND CARRIAGE WELDING ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.	490	1 Sft	426	208740
13	Providing and fixing Openable door comprising of 3mm thick UPVC hoilow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	74	1 Sft	1050	77700
14	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	162	1 Sft	166	26892
15	PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color	682	1 Sft	180	122760
16	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) Old surface:	5073	100 Sft	942.85	47831
17	Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge	12	1 Each	3000	36000
18	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	10	1 Each	600	6000
19	Making Nursing counter complete as per specification	1	1 Each	20000	20000
20	Dismentling of brick in in C/S mortar complete 1:6	129	100 Cft	3253.8	4197

21	Pacca brick work other than buildings ratio. 1:6	274	100 Cft	22409.1	61401
22	1/2" thick c/s plaster on walls upto 20' high (1:4)	1076	100 Sft	2302.1	24767
23	a)(ii) Reinforced cement concrete in Roof slab Beam comln Linter. etc and other structural members other than those mentioned in 5(a) (i) aboverequiring form work (i.e. horizental shuttering) complete in all respects:-	40	1 Cft	274.75	10990
24	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed.	123	100 Kg	15913.5	19574
25	Preparing surface and painting with emulsion paint on old surface after scraping	11999	100 Sft	2110.85	253281
26	Dismantling of 2nd class Roof Tile	282	100 Sft	888.35	2505
27	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	282	100 Sft	7846.25	22126
			Total		~~3885688~~ 3849488

Credit of old material

1	Bricks	494	1000 Nos	4500	2221
2	Bals	18	100 Cft	2500	441
3	~~Old M.S windows~~	~~2~~	~~1 Each~~	~~5000~~	~~10000~~
4	Old M.S windows	14	1 Each	2500	35000
5	Old Wash hand Basin	5	1 Each	500	2500
6	Old Bib Cock	10	1 Each	50	500
7	Old copper counductor cable 3/.029"	1000	1 Mtr	~~15 25~~	~~25000~~ 15,000
8	Old copper counductor cable 7/.029"	600	1 Mtr	~~20 40~~	~~24000~~ 12,000
9	Old copper counductor cable 7/.036"	100	1 Mtr	~~25 45~~	~~4500~~ 2500
10	Old Swich Board i/c piano type swichs	12	1 Each	20	240
			Total		~~104401~~ 70402
			Net		~~3784267~~ 3779086
	Add 3% Contingency				113438
			Total		**3894705**

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Sr	Description	No	Length	Width	Height	Total
1	Dismantling cement concrete 1:2:4 plain.					
	x-Ray	1	17	13.75	0.167	40 Cft
	Lab Shelf	1	22.5	2	0.167	8 Cft
	Gyne OT	1	18	20	0.167	60 Cft
	Genral surgery OT	1	14	16	0.167	36 Cft
	Sterlization	1	18.00	13.5	0.167	41 Cft
				Total		184 Cft
2	Dismantling glazed or encaustic tiles, Dismentling of stone work etc					
			(	+	)	
		2	17	13.75	4	248 Sft
		1	22.5	0	2	45 Sft
		2	18	20	12	912 Sft
		2	14	16	12	708 Sft
		2	18.00	13.5	12	756 Sft
				Total		2669 Cft
	D/d Opening					
		5	4	9		180 Sft
		2	4	6.5		52 Sft
				Total		232 Sft
	Net	2669	-	232	=	2437 Sft
3	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge..6mm Thick 600mm x 600mm					
	Gyne OT	1	18	20		360 Sft
				Total		360 Sft
4	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 In-charge 2.5mm thick					
	Gyne OT 2(18+20)	2	38	8		608 Sft
				Total		608 Sft
5	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.Cementitious Uretnane					
	Gyne OT	1	18	20		360 Sft
				Total		360 Sft
6	Provding and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of albows at ends,bufferbelt as approved and directed by the Engineer Incharge					
	Corridor	2	90.5			181 Rft
	Entrance lobby	2	43.5			87 Rft
				Total		268 Rft

7	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112					68 Sft
	Radiologist	1	8.50	8		68 Sft
	Dark Room	1	8.5	8		237 Sft
	X-Ray	1	17	13.75		373 Sft
				Total		
8	P/L prepolished porcelain tile Granite with dry/wet/venied application,DWV series Polished (Light color)class SB 24"x24" size laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge (for floor) PNM 112 DADO / SKIRTING		(+)			
		2	8.50	8	4	132 Sft
		2	8.5	8	4	132 Sft
		2	17	13.75	0.5	31 Sft
				Total		295 Sft
9	Providng and fixing Marble slab of china verona full width laid over a bed of 3/4" thick c/s mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge					
	Lab Shelf	1	22.5	2.25		51 Sft
		1	14	2.25		32 Sft
	W-Cill	16	4	1.5		96 Sft
		2	7	1.5		21 Sft
	Serv duct	2	3	1		6 Sft
				Total		206 Sft
10	Providing and fixing Lead Sheet in X-Ray Room complete as per specifications					
			(+)			
		2	17	13.75	11.5	713 Sft
				Total		713 Sft
11	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali. 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper. brush chennel angle joint and hardware etc. complete in all respect. a) 1.6 mm thick					
	W.2	14	4	6.5		364 Sft
	W.3	2	7	9		126 Sft
				Total		490 Sft
12	P/F M.S.GRILL OF 3/8"X3/8" SQ BAR I/C M.S FLAT 3/4"X3/16" FOR FRAME IN WINDOWS OF APPROVED DESIGN 6 NOS HOLDFAST 9" LONG OF M.S IRON 3/4" X3/4"X1/8" PAINTING THREE COATS I/C COST OF LABOUR MATERIAL AND CARRIAGE WELDING ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.					
	As same qty item no.6					490 Sft
				Total		490 Sft

13 Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge					
Toilets	3	2.50	7		53 Sft
	1	3	7		21 Sft
			Total		**74 Sft**
14 PROVIDING AND LAYING GLAZED CERAMIC TILES FOR FLOORING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color					
Toil	2	8.75	5		88 Sft
Lav	1	10	5		50 Sft
Toil	1	4	6		24 Sft
			Total		**162 Sft**
15 PROVIDING AND LAYING GLAZED CERAMIC TILES FOR DADO / SKIRTING SIZE 12"x18" X3/8" LAID OVER 3/4" THICK CEMENT SAND MORTAR (1:2) I/C FILLING JOINTS IN WHITE CEMENT AND MATCHING PIGMENT I/C CUTTING CHARGES COMPLETE IN ALL RESPECT AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE. (CERAMIC TILES (PREMIUM) Plain light Color					
	4	13.75	7		385 Sft
	2	15	7		210 Sft
	2	10	7		140 Sft
			Total		**735 Sft**
Deduction	3	2.5	7		53 Sft
			Total		**53 Sft**
	Net	**735**	**(-)**	**53**	**682 Sft**
16 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) Old surface:					
Front & Back	2	90	17		3060 Sft
Left & Right	2	43.5	17		1479 Sft
Khapril tile 2(90+43.5)	2	133.5	2		534 Sft
			Total		**5073 Sft**
D/d Openings					
Front Ver	4	6	**9**		216 Sft
	2	7	**9**		126 Sft
w	7	4	**6.5**		182 Sft
			Total		**524 Sft**
Net	5073	-	**524**	=	**4549 Sft**
17 Providing and fixing instaling door closer complete in all respect as approved by the Engineer Incharge					12 No
			Total		**12 No**
18 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					

					10 No
			Total		**10 No**
19	Making Nursing counter complete as per specification				1 No
			Total		**1 No**
20	Dismentling of brick in in C/S mortar complete 1:6				
	Recovery room P/Wall	1	13.5	**0.75**	**12**	122 **Cft**
	Service duct	1	3	**0.75**	**3**	7 **Cft**
				Total		129 Cft
21	Pacca brick work other than buildings ratio. 1:6					
	OT window opening	5	4	1.125	6.5	146 Cft
	Lab shelf	3	2	0.375	2.75	6 Cft
	P/wall Sterlization / Scrub	1	12	1.875	0.25	6 Cft
		1	12	1.5	0.25	5 Cft
		1	12	1.125	0.25	3 Cft
		1	12	0.75	12	108 Cft
				Total		274 Cft
22	1/2" thick c/s plaster on walls upto 20' high (1:4)					
		10	4	6.5		260 Sft
	Beam Lab & Recovery	2	14	3.5		98 Sft
	Lab Shelfs 3(2+2+.375)	3	4.375	2.75		36 Sft
	P/wall Sterlization / Scrub	2	12	12		288 Sft
	Window jam (25x2) ,(4+6.5)	50	10.5	0.75		394 Sft
				Total		1076 Sft
23	a)(ii) Reinforced cement concrete in Roof slab Beam comln Linter; etc and other structural members other than those mentioned in 5(a) (i) aboverequiring form work (i.e. horizental shuttering) complete in all respects:-					
	Lab Beam	1	14	1	1.25	18 Cft
	Rrecovery	1	13.5	1	1.25	17 Cft
		1	14	2	0.16667	5 Cft
				Total		40 Cft
24	Fabrication of mild steel, R.c.c slab i/c cutting, bending, laying in position, making joints and fastenings etc completed.					
		40	6.75	0.454		123 Kg
				Total		123 Kg
25	Preparing surface and painting with emulsion paint on old surface after scraping					
	Lab	1	14	22.5		315 Sft
	x-Ray	1	17.25	13.75		237 Sft
	Radiologist & Dark room	2	8	8.5		136 Sft
	Nursing station & Toil	1	19	7.75		147 Sft
		1	4	6		24 Sft
	Doctor Duty & Recovery	3	13.5	8		324 Sft
	Service	1	18	12		216 Sft
	Corridor	1	90	8.5		765 Sft
		1	43.5	8.5		370 Sft
	Toil	1	13.5	10		135 Sft
	_____do On walls_____					
		2	36.5	12		876 Sft
		2	31	12		744 Sft
		4	16.5	12		792 Sft
		2	26.75	12		642 Sft
		2	10	12		240 Sft
		6	21.5	12		1548 Sft
		2	30	12		720 Sft
		2	90	12		2160 Sft
		2	43.5	12		1044 Sft
		2	23.5	12		564 Sft

				Total	11999 Sft
26	Dismantling of 2nd class Roof Tile				
		1	10	15	150 Sft
		1	14	6	84 Sft
		1	6	8	48 Sft
				Total	282 Sft
27	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)				
		1	10	15	150 Sft
		1	14	6	84 Sft
		1	6	8	48 Sft
				Total	282 Sft
	Credit of Old materil				
i	Bricks	282	0.5	3.5	494 Sft
ii	Bats	282	0.5	0.125	18 Cft
1	Old M.S windows				
		1	7	9	~~2 Nos~~
		1	4	6.5	14 Nos
2	Old Wash hand Basin				
					5 Nos
				Total	**5** Nos
3	Old Bib Cock				
					10 Nos
				Total	**10** Nos
4	Old copper counductor cable 3/.029"				
					1000 Mtr
				Total	**1000** Mtr
5	Old copper counductor cable 7/.029"				
					600 Mtr
				Total	**600** Mtr
6	Old copper counductor cable 7/.036"				
					100 Mtr
				Total	**100** Mtr
7	Old Swich Board i/c piano type swichs				
					12 Nos
				Total	**12** Nos

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Page 1

CONSTRUCTION OF WATER FILTERATION PLANTS AT THQ HOSPITAL

Sr #	Description.	Plinth Area	Unit	Plinth Area Rates									TOTAL	Amount	Remarks
				B.P.	Strip	Frame Structure	Extra for foundation for 1st Floor and Subsequent floor	Extra for Additional Items	Reduce cost of foundation	P.H.	E.I.	Sui Ga			
1.	Construction of Filteration Plant Room Size 16x12 with veranda 7' wide.	372	P. Rft	1955						83	100		2138	795069	
2.	Provision of Water Supply	1	Job	1080711									1080711	1080711	
3.	Providing and Installing of Penta Pure water Filtration Plant With Arsinic Removal & Hygienic Ultra Filtration Technologies , Warranted in workmanship for 12-Month from the date of commissioning approved and entire satisfaction of Engineer Incharge.	1	Job	1687500									1687500	1687500	
													Total-A	3563280	
1.	Add 5% External Development			795069										39753	
2.	Add 5% PRA			3603033										180152	
													Total-B	219905	
													G. Total (A+B)	3783185	

Say Rs. 3.783 (M)

— Nil —

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DEEP WELL EJECTING PUMP

S#	Description	Qty	Unit		Rate	Amount
1	Boring of tube well in all types ;of soil except shingle and rock from depth of 200.1 ft. to 300 ft. (60 to 90 m) depth including sinking and with drawing of casing pipe complete (e)8" I/dia.	250	1	Rft	736.10	184025.00
2	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipe ii) Medium Quality 4" dia	250	1	Rft	884.40	221100.00
3	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipe ii) Medium Quality 2-1/2" dia	15	1	Rft	481.70	7225.50
4	Providing and Installation of Sub Muricible pump / Sub Clean Water bore hole Pump KSB made UpAchrom 100-09/12 CC Flow 8.00 M3/H, Head 150 ft, motor 4HPi/c DOL stater, Colum pipe (10'x10'), top bend, suspensionclamp, cable connection, 01 Sluice valve, reflux valve wareanty of 6-Month from date of commissioning and 12-month from date of dispatch complete in all respect as approved by the Engineer Incharge.	1	1	No	600000	600000
5	PROVIDING AND FIXING WATER STORAGE TANK STORAGE WATER TANKS (DOUBLE PLY) (AS PER APPROVED MANUFACTURERS) (SUPER TUFF) 500 GALLON CAPACITY VERTICAL WATER TANKS I/C INLET / OUTLET AND OTHER ACCESSORIES COMPLETE AS APPROVED BY THE ENGINEER INCHARGE.	2	1	No	25700.00	51400.00
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipe ii) Medium Quality 4" dia	15	1	Rft	884.40	13266.00
7	P/ F of P trape 4" glaze	2	1	Each	150.75	301.50
8	P/ F of CP bib cock 1/2" dia	10	1	Each	339.30	3393.00
					TOTAL.	1080711
					Say	1080711

Sub Divisional Officer,
Buildings Sub Division

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Providing and Installing of Penta Pure water Filtration Plant With Arsinic Removal & Hygienic Ultra Filtration Technologies , Warranted in workmanship for 12-Month from the date of commissioning approved and entire satisfaction of Engineer Incharge.

	Detail	Quantity		Rate per unit (Rs)		Amount
	MATERIAL					
1	Providing and Installing of Penta Pure water Filtration Plant With Arsinic Removal & Hygienic Ultra Filtration Technologies , Warranted in workmanship for 12-Month from the date of commissioning approved and entire satisfaction of Engineer Incharge.	1	Nos	1200000	Each	1200000
2	Cost of Hypo Chloriator	1	Nos	300000	Each	300000
	Total					**1500000**
	Contracto's 12.50%					187500
	Total					**1687500**
				Say Rs.		**1687500**
	Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi Annual 2020					

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OKARA.

Date: 18-11-2020
Ref. SL/077

QUOTATION PENTA PURE WATER PURIFICATION PLANT WITH ARSINIC REMOVAL & HYGIENIC ULTRA FILTRATION 1000 GPH.

DESIGN BASIS

The proposal is based on following criteria.
Feed water TDS: 1,000 ppm (maximum)
Feed water temperature: 25 C
Capacity: 1000 GPD

Made by PENTA PURE

PHED & BUILDING DEPARTMENT PUNJAB APPROVED SPECIFICATIONS

SUGGESTED SPECIFICATIONS OF TREATMENT UNIT WITH COMMENTS.

No.	Item		Brand/Make	Justification
1	**Pre Filtration System**		PENTA PURE	
	1.1	Raw Water Feed Pump 1. HP	Italy/USA	To provide 80 psi pressure as required for pre filtration
	1.2	Sand Filter (5.4 ft height & 1.6 ft diameter FRP ,Fiber Reinforced Polyester) SAND Media	Brand: wave cyber /Pentair, USA NSF Approved	Due brackish/chemically water stainless steel vessel is not suitable. FRP material is resistant to brackish water.
	1.3	Jumbo filter 20 " (5 Micron Cartridge) 2-Nos	Branded	Refine the filtered water.
	1.4	Superior Filter (5.4 ft height & 1.6 ft diameter FRP ,Fiber Reinforced Polyester) S22-D Media MADE IN GERMANY	Brand: wave cyber /Pentair, USA NSF Approved	S22-D Media Remove of Color : 58% Phosphorous : 55% Manganese : 92%

				Copper : 70% Zinc : 88% Fluorine : 32% Haloform : 55% Mercury : 28% Cadmium : 92% Molybdenum : 70% Nickel : 25%
	1.5	Carbon Filter (Activated carbon[3] Filter (5.4 ft hight & 1.6 ft diameter FRP, Fiber Reinforced Polyester)	Brand: wave cyber /Pentair, USA NSF Approved	Due brackish/chemically water stainless steel vessel is not suitable. FRP material is resistant to brackish water.
	1.6	Jumbo filter 20 (1 Micron) 2-Nos	Branded	Refine the filtered water up to 01micron
	1.7	Anti germs chemical dozing	Branded	**Coli form** and **E coli** bacteria killed
2	**Fully Automatic ultra filtration system (with following item- specifications)**			
	2.1	**PENTA PURE** Water treatment Capacity	1000 GPD	
	2.3	U F. Membranes (8x91/4"x40")	*ASPRINN/Hyflux/APPLIED* TAIWAN/SINGAPUR/USA	Ultra filtration technology is a new kind of high technology, which can be widely used in separation, concentration and purification of substance in foods, drinks, medicine and other industries, Filtration down to 0.01 micron Blending Requirement
	2.4	High Pressure Membrane Vessels[6]	Mec puro/ euro tech /wave cyber ppwt Taiwan/ USA	S.S. Vessel is not suitable due brackish water.
	2.5	controlled system box	Korea/Japan/USA	For smooth operation Automatic of plant.
3	Flushing System		Italy/Taiwan /USA	Flushing system to clean the UF. Membranes with filtration of water
4	Gages Flow Meter Etc.		Italy/Taiwan /USA	checking of R.O. membranes Pressure and flow &TDS
5	Ultra violet lamp		Atlantic/philips	(Water Sterilization / Disinfection Unit) The UV Sterilizer operates using a low pressure mercury vapor to produce the UV There are five major groups of micro organisms that are destroyed with Ultra Violet Sterilizer; viruses, bacteria, fungi, algae and protozoa.
6	Storage Tank 500 Gallon, Food grade Q-NO-2		Branded	PE Master tuff Smooth and continued supply of water

7	Piping, Fitting & etc.	Food grade UPVC	As per required
8	S S. Skid	Local	As per required

Buyers Responsibility

i. To provide electric power into the plant room.
ii. To provide drain line near plant room.
iii. To provide water requirement for filtration at a min. pressure Of 35 PSI max. 45 PSI
iv. All civil work.
v. Site clearance.
vi. Food and accommodation for 2 persons during installation.

PRICE.

Total Cost of Penta Pure water Filtration Plant With Arsinic Removal & Hygienic Ultra Filtration 1000 GPH.

Rs: 1200000/= (i/c GST).

Cost of Water Chiller : Rs: 3,00,000/-

Note:

Payment: 100 Advance Payment
Delivery of Plant: within 15-20 days after P/O
Installation Period: within 5 days after delivery
Offer Validity: 45-DAYS
Warranty: One year

Thanking and assuring you of our best professional services and co-operation.

Best regards,

Saeed lodhi
0321 4463484

EXTERNAL DEVELOPMENT

ABSTRACT OF COST

1	CONSTRUCTION OF GATE & GATE PILLLAR	1219508 ~~680463~~ 1373292	P.72 P.75
2	WATER SUPPLY		
3	POLE LIGHT	915000 ~~2635101~~ 2403299	P.77 P.78
4	TUFF TILE / PAVER	~~1979565~~ 3354155	P.80
5	SEWERAGE	~~773670~~ 146770	P.81
6	RAZING / CONSTRUCTION OF BOUNDARY WALL	7709324	
	TOTAL	~~8203306~~	
	SAY	~~8203300~~ 7709324	

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CONSTRUCTION OF GATE & GATE PILLLAR

Sr	Description	Qty	Unit	Rate	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead b) in ordinary soil.	1020	1000 Cft	7492.3	7642
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (e) Ratio 1: 4: 8	146	100 Cft	11257.6	16436
3	Pacca brick work ratio (1:6) in foundation and plinth complete	132	100 Cft	21645.8	28572
4	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)	162	1 Cft	379.6	61495
5	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	243	1 Cft	274.75	66764
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	1241	100 Kg	15930.5	197698
7	P/L Face work by using Gutka 9"x2-1/4"x2-1/4" of approved qulaity in cement surkhi mortar 1:3 i/c/ back fillting with 1:3 cement sand mortar making tradezoidal groove / set back of 1/4" depth during fresh masonry work laid with G.I wire 8 SWG 8-shapped wall ties, one side embeded in teh masonry work and other side in Gutka at 12" c/c vertically and 36" c/c horizontally, raking out joints, curing, scaffolding and its removal complete (Contractor shall prepare samples at site) as approved by the Engineer incharge	540	1 Sft	135	72900
8	P/F steel grated fancy gate consisting of 1 No main gate size 15'x8' and 1 No vicket gate size 5'x8' i/c 3 Nos mild steel grated pillar size 2¼'x2¼'x8' above ground level and 5'-9" in foundation gate and pillars comprising of mild steel angle iron 2"x2"x¼" frame double making box with mild steel ¾"x3/4" square bars @ 6" c/c to full height and additional ½"x½" square bar in gates @ 6" c/c alternate upto 5'-9" height with sharp arrows i/c making flower sin between square bar with mild steel flat iron ¾"x⅛" in ⅔ portion of gate in pillars upto full height also making in butterfly design on upper ⅓ portion with M.S flat iron patty ¾"x⅛" i/c making rings and square in between flowers design with M.S square bars ½"x ½" i/c making crown flower with mild steel flat iron patty size 2"x¼" on gate and pillars i/c fancy gate light on pillars with G.I pip e1 ¼" dia 13'-6" long heavy sliding bolts 4 Nos 1 ½" dia 2' long heavy hinges 9 Nos 2 Nos heavy channels size 2"x2"X ¼" 11.40' long with roller to move main gate and 1	320	1 Sft	2400	768000
				Total	1219508

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Sr	Description	No	Length	Width	Height	Total
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead b) in ordinary soil.					
	Gate Pillar	6	5	5	4	600 Cft
	Canteen Gate	2	15	3.5	3	315 Cft
		2	5	3.5	3	105 Cft
				Total		**1020 Cft**
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (e) Ratio 1: 4: 8					
	Gate Pillar	6	5	5	0.5	75 Cft
	Canteen Gate	2	15	3.5	0.5	53 Cft
		2	5	3.5	0.5	18 Cft
				Total		**146 Cft**
3	Pacca brick work ratio (1:6) in foundation and plinth complete					
	Vicket Gate	6	4	2.25	0.375	20 Cft
		2	15	1.125	2.5	84 Cft
	main	2	5	1.125	2.5	28 Cft
				Total		**132 Cft**
4	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)					
	Gate Pillar	6	1.5	1.5	12	162 Cft
				Total		**162 Cft**
5	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)					
	Gate Pillar	6	4.5	4.5	2	243 Cft
				Total		**243 Cft**
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)					
		405	6.75	0.454		1241 Kg
				Total		**1241 Kg**
7	P/L Face work by using Gutka 9"x2-1/4"x2-1/4" of approved qulaity in cement surkhi mortar 1:3 ic/ back fillting with 1:3 cement sand mortar making tradezoidal groove / set back of 1/4" depth during fresh masonry work laid with G.I wire 8 SWG 8-shapped wall ties, one side embeded in teh masonry work and other side in Gutka at 12" c/c vertically and 36" c/c horizontally, raking out joints, curing, scaffolding and its removal complete (Contractor shall prepare samples at site) as approved by the Engineer incharge					
	Gate Pillar	24	2.25	10		540 Sft
				Total		**540 Sft**

8 P/F steel grated fancy gate consisting of 1 No main gate size 15'x8' and 1 No vicket gate size 5'x8' i/c 3 Nos mild steel grated pillar size 2¼'x2¼'x8' above ground level and 5'-9" in foundation gate and pillars comprising of mild steel angle iron 2"x2"x¼" frame double making box with mild steel ¾"x3/4" square bars @ 6" c/c to full height and additional ½"x½" square bar in gates @ 6" c/c alternate upto 5'-9" height with sharp arrows i/c making flower sin between square bar with mild steel flat iron ¾"x⅛" in ⅔ portion of gate in pillars upto full height also making in butterfly design on upper ⅓ portion with M.S flat iron patty ¾"x⅛" i/c making rings and square in between flowers design with M.S square bars ½"x ½" i/c making crown flower with mild steel flat iron patty size 2"x¼" on gate and pillars i/c fancy gate light on pillars with G.I pip e1 ¼" dia 13'-6" long heavy sliding bolts 4 Nos 1 ½" dia 2' long heavy hinges 9 Nos 2 Nos heavy channels size 2"x2"X ¼" 11.40' long with roller to move main gate and 1 No heavy channel size 2"x2"x¼" 7.85' long i/c roller to move the visket gate painting complete in all respect and as approved by the

Main Gate

Vicket Gate	2	15	8	240 Sft
	2	5	8	80 Sft
			Total	**320 Sft**

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WATER SUPPLY

Description	Qty	Unit	Rate	Amount
Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	13852 4618	1000 Cft	5755.2	26578
Providing and laying cutting jointing testing and disinfecting polyetheline pipeline with all specials etc complete in all respect 4" dia	3078 ~~1026~~	1 Rft	411.65 ~~628.7~~	126759 ~~645046~~
Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel	4618	1000 Cft	1914	8839
			Total	680463 1373292

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POLE LIGHT

Sr	Description	Qty	Unit	Rate	Amount
1	Providing and Fixing Light Pole of 4" dia upto 15' Hight G.I pipe i/c cost of LED Light 240-Watt single Arm complete with light fitting brass holder i/c M.S base plate 94"x24"x1/4" i/c cost of PCC foundation with three coat of silver paint as approved by the Engineer Incharge.	15	1 Each	61000	915000
				Total	**915000**

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TUFF TILE / PAVER

Sr	Description	Qty	Unit	Rate	Amount
1	Earthowrk in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- i) 95% to 100% maximum modified AASHO dry density.	14854	1000 Cft	11452.65	170118
2	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and. aggregate. Crushed stone aggregate.	5546	100 Cft	11940.25	662206
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4)	1387	100 Cft	22732	315293
4	Providing and lying Coloured Concrete pavers ~~80mm~~ 60mm thick 7000 Psi minimum strength (concrete concept / Izhar Limited made) over a sand cushion of 2"-3" thick i/c sand grouting and finishing complete in all respect as approved by the Engineer Incharge.	11091	1 Sft	~~125.1~~ 104.20	~~1387484~~ 1155628
5	Provinding and laying of Pre Cast Drain Perabolic shaape size 10"x12" as approved firm etc complete in all respect as approved by the Engineer Incharge	500	1 Rft	200	100000
				Total	~~2635101~~ 2403299

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TUFF TILE / PAVER

Sr	Description	No	Length	Width	Height	Total
1	Earthowrk in ordinary soil for embankments lead upto 100 ft. (30 m), including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:- I) 95% to 100% maximum modified AASHO dry density.					
		1	67	70	2.5	11725 Cft
		1	222	15	1	3330 Cft
		1	17	95	1.25	2019 Cft
				Total		**17074 Cft**
2	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and. aggregate. Crushed stone aggregate.					
		1	67	70	0.5	2345 Cft
		1	222	15	0.5	1665 Cft
		1	17	95	0.5	808 Cft
		1	142	10	0.5	710 Cft
		1	164	10	0.5	820 Cft
		1	28	22	0.5	308 Cft
				Total		**6656 Cft**
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4) Under Paver					
		1	67	70	0.125	586 Cft
		1	222	15	0.125	416 Cft
		1	17	95	0.125	202 Cft
		1	142	10	0.125	178 Cft
		1	164	10	0.125	205 Cft
		1	28	22	0.125	77 Cft
				Total		**1664 Cft**
4	Providing and lying Coloured Concrete pavers 80mm thick 7000 Psi minimum strength (concrete concept / Izhar Limited made) over a sand cushion of 2"-3" thick i/c sand grouting and finishing complete in all respect as approved by the Engineer Incharge.					
		1	67	70		4690 Sft
		1	222	15		3330 Sft
		1	17	95		1615 Sft
		1	142	10		1420 Sft
		1	164	10		1640 Sft
		1	28	22		616 Sft
				Total		**13311 Sft**
5	Provinding and laying of Pre Cast Drain Perabolic shaape size 10"x12" as approved firm etc complete in all respect as approved by the Engineer Incharge					
		5	100			500 Rft
				Total		**500 Sft**

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SEWERAGE SYSTEM

Sr	Description	Qty	Unit	Rate	Amount
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	4991 13761	1000 Cft	11740.4	58559 161560
2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	604 1764	100 Cft	9089.5	160339 54900
3	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.9" dia	284	1 Rft	528.3	150037
	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) (12") i/d	200 653	1 Rft	695.6	139120 454227
	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) (18") i/d	475	1 Rft	1181.8	561355
4	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel	13761	1000 Cft	2539.7	34949
				Total	1522466 335455

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SEWERAGE SYSTEM

Sr	Description	No	Length	Width	Height	Total
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth					
	OPD (84.875+71.625+3+3+68.75+3+49.25)	1	283.5	2.5	3.5	2481 Cft
	Ward block To Collecting tank Adjoining dylysis(200)	1	200	2.5	4	2000 Cft
	Screning ch.to Main line 18" dia (250+203)	~~1~~	~~453~~	~~2.5~~	~~4~~	~~4530 Cft~~
	Main line 18" dia	~~1~~	~~475~~	~~2.5~~	~~4~~	~~4750 Cft~~
				Total		13761 Cft
2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.					
		1	283.5	2.5	0.5	354 Cft
		1	200	2.5	0.5	250 Cft
		~~1~~	~~453~~	~~2.5~~	~~0.5~~	~~566 Cft~~
		~~1~~	~~475~~	~~2.5~~	~~0.5~~	~~594 Cft~~
				Total		~~1764 Cft~~ 604
3	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.9" dia					
		1	284			284 Rft
				Total		284 Rft
	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) (12") i/d					
		1	200 ~~653~~			653 Rft
				Total		653 Rft
	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) (18") i/d					
		~~1~~	~~475~~			~~475 Rft~~
				~~Total~~		~~475 Rft~~
4	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel					
	As same qty of item No. 1					13761 Cft
				Total		13761 Cft

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RAZING / CONSTRUCTION OF BOUNDARY WALL

Sr	Description	Qty	Unit	Rate	Amount
1	Construction of Boundary Wall	150	1 Rft	4594.00	689000
1	Pacca brick work in ground floor 1:6	1150	100 Cft	23449.60	269670
2	Providing and fixing Razor Wire having double sharp 4 Nos, Pointer Razor @ 1-1/4" dia c/c in circular shape 24" ring @ 3" c/c fixed with 2 Nos MS Bar 1/2" x 1/2" square welding horizontally and 1 No post of MS Angle Iron 1-1/2" x 1-1/2" x 1/4" vertically 24" clear height & 12" emended in plain cement concrete 1:2:4 fixed at site i/c labour and carriage charges i/c painting 3 coats as approved and entire satisfaction of Engineer Incharge	1400	1 Rft	360	504000
				Total	773670 1462,670

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RAZING / CONSTRUCTION OF BOUNDARY WALL

Sr	Description	No	Length	Width	Height	Total
1	Construction of Boundary Wall					
						150 Rft
				Total		**150 Rft**
2	Pacca brick work in ground floor 1:6					
		1	511	0.75	3	1150 Cft
				Total		**1150 Cft**
3	Providing and fixing Razor Wire having double sharp 4 Nos, Pointer Razor @ 1-1/4" dia c/c in circular shape 24" ring @ 3" c/c fixed with 2 Nos MS Bar 1/2" x 1/2" square welding horizontally and 1 No post of MS Angle Iron 1-1/2" x 1-1/2" x 1/4" vertically 24" clear height & 12" emended in plain cement concrete 1:2:4 fixed at site i/c labour and carriage charges i/c painting 3 coats as approved and entire satisfaction of Engineer Incharge					
		1	1400			1400 Rft
				Total		**1400 Rft**

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CONSTRUCTION OF FOUNDATION FOR GENERATOR

S#	Description	Qty	Unit	Rate	Amount
1	Excavation in foundation of building, bridges and other structures including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead up to ordinary soil	[illegible]	1000 Cft	2073.4	[illegible]
2	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge in foundation and plinth (d) Ratio 1:6:12 concrete	24	100 Cft	13037.1	[illegible]
3	Reinforced cement concrete in slab of raft / strip foundation, base slab of column and retaining walls, etc. and footing beams, other structural members other than those mentioned in (a) (b) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects: (3) Type C (nominal mix 1:2:4)	96	1 Cft	327.52	[illegible]
4	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars): (b) Deformed bars (Grade 60)	[illegible]	100 Kg	11970.8	[illegible]
				Total	[illegible]

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CONSTRUCTION OF ~~BOUNDATION~~ foadation FOR GENERATOR

Sr	Description	No	Length	Width	Height	Total
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead b) in ordinary soil.					
		1	8	6	1.5	72 Cft
				Total		**72 Cft**
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm 50 mm) gauge, in foundation and plinth:-(d) Ratio 1: 6:12 complete					
		1	8	6	0.5	24 Cft
				Total		**24 Cft**
3	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)					
		1	8	6	2	96 Cft
				Total		**96 Cft**
3	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)					
		96	6.75	0.454		294 Kg
				Total		**294 Kg**

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ANALYSIS OF RATE FOR 0.25 CUSEC TURBINE:

1 P/F I/c testing of vertical turbine 0.25 cusec discharge pipe (KSB)200' head, 10' length of column pipe, qowl assembly with 15 BHP, A.C. electric motor vertical hollow shaft i/c P/F, and testing of seimen (Star-delta china) starter with iron clandes main switch of 30-Ampare alongwith 3-Nos Volts meter, ampare meter and and indication length R.Y.B. complete in all respect as desired by the Engineer Incahrge.

	1 Job	
@ Rs	1450000 P.Job	Rs.1,450,000
		Total:- Rs.1,450,000
Add 12.5%	Contractor profit:-	Rs.181,250
		Total:- Rs.1,631,250
		Say:- Rs.1,631,000

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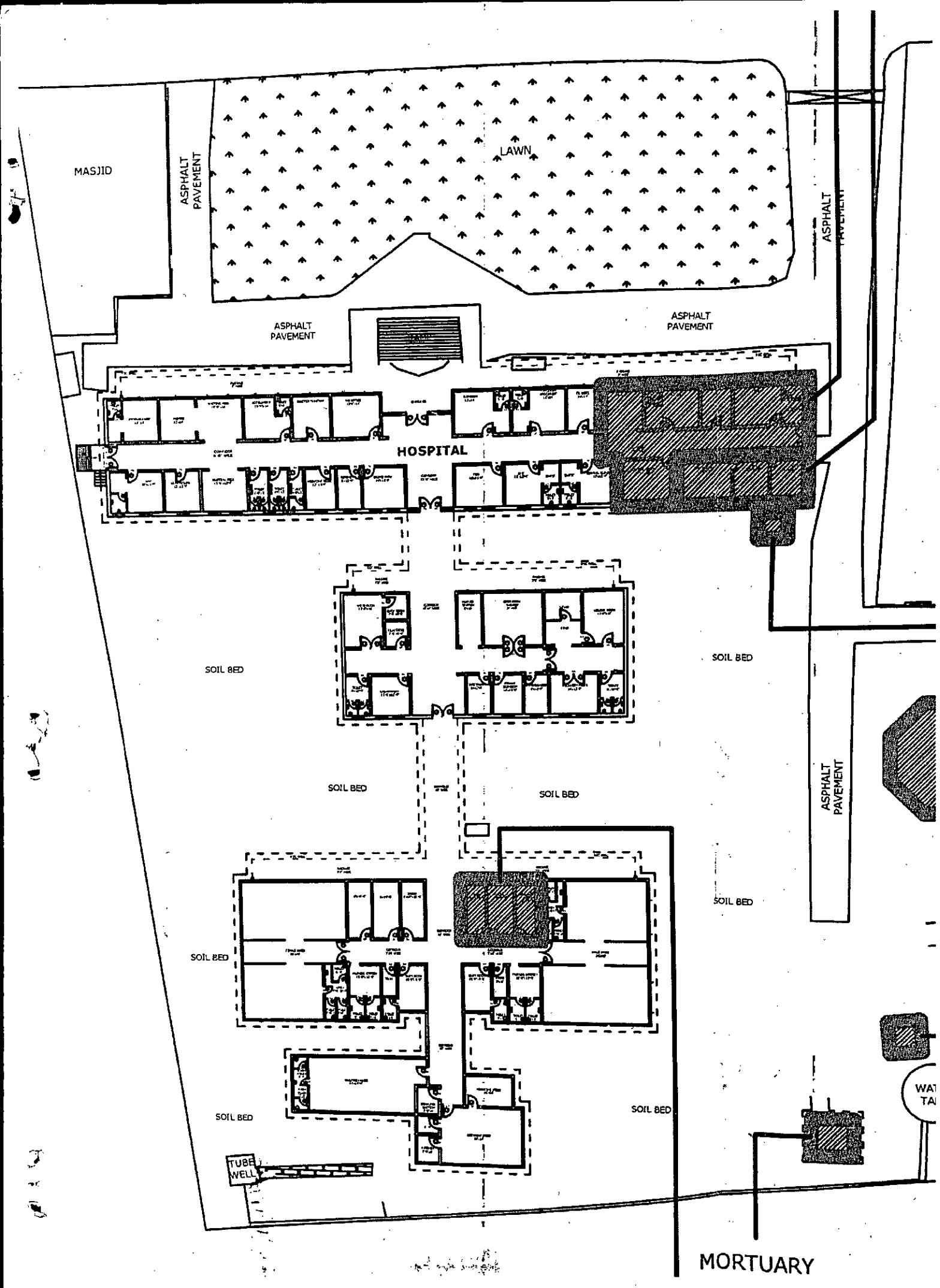
Buildings Sub Division,
Deplapur

Executive Engineer
Buildings Division,
Okara

S.#		Description	Qty:	Unit	Rate	Amount
		Incoming Breakers				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (4*1=4)	4	each	17433	69732
		Outgoing Breakers				
	1	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Single Pole 16A(10 KA) (4*3=12)	12	each	1299	15584
	(a)	Single Pole 10A(10 KA) (4*2=8)	8	each	1299	10389
6		**Construction of Electrical Room (Size = 20'x25')**				
7		**Construction of Three Foundations for Generators (9'x4' each)**				
B		**LT POWER CABLE.**				
		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
	1	150 mm sq (37/0.093") PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable **(for 200 KVA Transformers)**	200	rft	5,686.15	1137230
	2	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable **(for 100 KVA Generator)**	250	rft	1,858.35	464587.5
	3	35 mm sq (19/0.064") PVC insulated, PVC sheathed 4 core, 600/1000 volt non armoured cable **(for 60 KVA Generators)**	250	rft	1,705.35	426337.5
	4	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for ACs)**	100	rft	160.2	16020
	5	7/0.91 mm (7/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc	150	rft	109.8	16470
	6	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc	150	rft	86.55	12982.5
C		**WAPDA CHARGES**				5000000
		TOTAL				11765445

SUB DIVISIONAL OFFICER
BUILDINGS SUB DIVISION
DEPALPUR

EXECUTIVE ENGINEER
BUILDINGS DIVISION
OKARA



8. Annual Operating and Maintenance Cost after Completion of the Project

The Annual operating and maintenance cost after completion of the project will be borne by the concerned District Health Authority (DHA) as well as Primary and secondary healthcare Department, Lahore.

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010047
A/C To be Credited: Account-I

PKR Million

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

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010047
A/C To be Credited: Account-I

PKR Million

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

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010047
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028

		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	**A05270**-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	**A12403**-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

10. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	39.000	20.436	2.707	2.929	5.190	7.635	77.897
Utilization	18.500	19.899	2.698	2.764	5.035	0.749	49.645

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	24.861	24.861
Utilization	0	0	0	0	0	0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

Environmental Impact

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

11.3 PACT ANALYSIS

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11.4 ECONOMIC ANALYSIS

Impact of Delays on Project Cost and Viability

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

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee
Laboratory fees
Diagnostic facility fees
Dental fee
ECG fee
Private room charges
Ambulance charges
From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Implementation Schedule

Original Gestation period (From September, 2017 to June, 2019)
Extension in Gestation period for one year with no change in cost & Scope till June 2020.
1st Revised gestation period till June, 2021
2nd Revised gestation period till June, 2023.
3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

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12.3 IMPLEMENTATION PLAN

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12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

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13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name: Mr. Adeel Aslam **Designation:**Project Director, PMU P&SHD
Email: **Tel. No.:**
Fax No:
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

15. It is certified that the project titled **"Revamping of THQ Hospital Haveli Lakha (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.

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PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
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(Oct-2022)

17. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Haveli Lakha District Okara

20. MARGINALISATION OF PC-1

SR.NO.	CRITERIA	YES/NO	COMMENTS
Description & Objectives			
1	does the pc-i specify link/alignment with punjab growth strategy, punjab spatial strategy (if relevant) & sustainable development goals?	NO	
2	do project objectives/justification include focus on marginalised groups (women, pwds, minorities, transgender, poor etc.)?	NO	
Use of Gender Disaggregated Data			
1	has gender disaggregated data been used to determine need for the project? if yes, identity the source. if not, what additions/observations have been made to strengthen the pc-i?	NO	
2	was gender disaggregated data used to identify potetialimpact of the project on selected beneficiaries?	NO	
Social Impact			
1a	have marginalised groups been included as beneficiaries of the project?	NO	
1b	if yes, does the pc-1 specify a specific quota/percentage for the marginalised (women, peds, etc.)?	NO	
2	does the pc-1 include specific provisions for capacity building / training of women (if applicable)?	NO	
Results Based Monitoring			
1a	does the pc-i include a results based monitoring framework (rbmf)/logical framework?	NO	
1b	if yes, does the framework include measurable targets relating to impact on marginalised groups?	NO	
2	were sdg indicators used for determining targets included in the pc-i?	NO	
3	was gender disaggregated data used to establish baseline and develop quantifiable targets/key indicators?	NO	
4	if yes, identify the source/refresh institute(s)?	NO	
Inculsion/Participation			
1	was female representation ensured in planning and adp formulization?	NO	
2a	was stakeholder consultation held during adp formulization and/or pc-idevelopment?	NO	

2b	if yes, did the consultation include experts and representatives of marginalised groups and csos?	NO	
3	was participation of representatives of marginalised groups ensured in pc-1 rist assessment planning?	NO	
Monitoring & Evaluation			
1	does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO	
2a	does the project include formation of a steering committee and/or project implementation committiees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	