



PC-1

Balance Work of Revamping of DHQ Hospital Narowal

ORIGINAL APPROVED COST	PKR Million. 142.304/-
ORIGINAL APPROVED GESTATION	42 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Narowal

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. NAROWAL

2.2. TEHSIL(S)

I. NAROWAL

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 FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	GS No: 5378
4	Total Allocation: 0.000
5	Funds Diverted: 0.000
6	Balance Funds: 0.000
7	Comments: The scheme will be financed out of block scheme included in ADP 2022-23 at G.S. No. 660 with an allocation of Rs.1300 million

5. PROJECT OBJECTIVES

attached

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

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

(A) Repair/Renovation of Clinical Covered Area - Establishment / Up-gradation of Missing Facilities (Emergency, ICU, CCU, Burn Unit, Dialysis Unit, Physiotherapy, Dental Unit, CT Scan, Mortuary and Yellow Room) Complete Renovation of Existing internal infrastructure (Wards, OPD Rooms, Corridors, Operation Theaters and Diagnostic blocks) with state-of-the-art clinical friendly materials

B) External Development - Façade, External Pathways, Platforms, Sewerage and Water Supply System

C) External Electrification

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

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

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

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

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

Total area of the DHQ Hospital Narowal:	88,347 SFT
Area completed:	50,010 SFT
Area Descoped:	38,337 SFT
External Development and Electrification:	Not Executed

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

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

Now it has been decided to complete the balance civil work of revamping through C&W Department. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of instant PC-I.

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

These interventions include the re designing of sewerage system, construction of new manholes, laying of new sewer lines and connection between trunk sewer and hospital sewer.

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.3.2.2 Seamless flooring and Lead Lining

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

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

5.3.2.3 Aluminum doors and windows

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

5.3.2.4 Improvement of washroom blocks

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

5.3.2.5 Fire and theft security

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

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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

For patient receiving, information, guidance, appointment or for any other task, separate reception counters are proposed in various blocks so that, all necessary information regarding the block is available on the counter round the

clock. In this way, utilization of clinical facilities will be optimized. For indoor patient department, complete facilitation and care of patients admitted in wards is ensured by proposal of nursing counter in each ward. This nursing counter will be placed or constructed in such a placement that each bed can be monitored by the nurse available.

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

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

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

5.3.3.1 ICU

District Headquarter Hospitals (DHQ) serve catchment populations of the whole districts (1-2 million) and provide a range of specialist care in addition to basic outpatient and inpatient services. They typically have about 100 to 300 beds and a broad range of specialized services including surgery, medicine, paediatrics, obstetrics, gynaecology, ENT, ophthalmology, orthopaedics, urology, neurosurgery etc. Patient who are in need of intensive care are usually referred to tertiary care hospital but due to long distance they had to travel and time consumed on road due to heavy traffic and other unavoidable circumstance, patient's condition not only deteriorate but also compromise the effectiveness of life saving intervention. Understanding these ground realities Primary and Secondary Healthcare Department, Government of the Punjab has decided to establish intensive care units (ICU) in DHQ hospitals as a part of its Annual Development Plan. This will improve the quality of healthcare and timely provision of life saving treatment will be possible to large number of patients.

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

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

5.3.3.2 CCU

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

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

5.3.3.3 DIALYSIS UNIT

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

District Headquarter Hospitals (DHQ) & Tehsil head Quarter Hospital (THQ) serve large catchment populations of the district and provide a range of specialist care in addition to basic outpatient and inpatient services. Patient who are in need of dialysis, are referred to tertiary care hospital due to non-availability or insufficient number of dialysis machines. Patient's condition not only deteriorate but also compromise the effectiveness of life saving intervention due to approaching to other cities or to costly private setups of dialysis. Primary and Secondary Healthcare Department has decided to establish & strengthening already existing 10 bedded dialysis at DHQ hospitals & 5 bedded dialysis unit at THQ hospitals. This will improve the quality of healthcare and timely provision of life saving treatment will be possible to large number of patients.

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

5.3.3.4 BURN UNIT

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

of standard Operating procedures (SOPs) & standard medical protocol (SMP) for compliance to MSDS of PHC is planned as a part of PSHRP.

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

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

5.4.1 EMERGENCY DAPARTMENT:

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

5.4.2 General Overview of Emergency Department

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

efficiency and in time service delivery of emergency block depicts the overall efficiency of the hospital.

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

5.4.3 Position of Emergency Department

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

5.4.4 Addition of Portico and External Structures

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

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

MSDS umbrella is very vast and it requires a very extensive and planned approach towards, gap analysis, planning, development, implementation, monitoring and evaluation. MSDS comprises of 10 thematic area, 30 standards and 162 indicators. Government of Punjab has taken an initiative to standardize all hospitals of Punjab in accordance with Punjab Health Care Commission Minimum service delivery standards. PMU team segregated MSDS indicators into various targets and sub-targets to make these targets achievable. Manuals for both clinical and non-clinical 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 uninterrupted manner.

MSDS implementation is a complex procedure. Because it requires

1. Capacity building for understanding, development and continuous implementation of MSDS.
2. Ecosystem for establishing its implementation by full cooperation, collaboration, commitment of
3. Continuous monitoring
4. Continuous audit
5. Continuous training, refresher courses with purpose of reinforcement
6. Continuous quality improvement
7. Continuous SWOT analysis and gap identification
8. Continuous strategy making and implementation with backup plan for secondary options.
9. Responsibility designation for clinical and non-clinical procedures and activities.
10. Effective utilization, calibration and maintenance of equipment with record maintenance and their audit
11. Establishment of plans, implementation, analysis of gaps with alternate planning regarding fire evacuation plan, hospital infectional 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, paedes, ophthalmology, derma, TB, urology, patient transfer system, store and purchase, audit and accounts, procurement, planning etc. We are also in process of preparing manuals, SOPS, plans, universal forms, and universal registers with universal tracking system of record.
9. We have developed an application for continuous monitoring of MSDS compliance.

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

5.6.2 Supply of missing Biomedical and non-biomedical equipment

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

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

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

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

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

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

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

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

The system manages the patients load, organizes the patient's queues in an adequate manner and gives them the ease in waiting area; and they will be

examined gracefully by doctors at their turn. Basic information of the patient is also linked with its ticket, being taken at the first counter. This will help established a unique ID against each patient. This will also lead to the establishment of Electronic Medical Record. The Process flow of Queue Management System at DHQ is given as follows:

There are 35 counters at DHQ level including basic registration counter, triage counter, consultant office and hospital pharmacy. There is one ticketing machine with a bifurcation of male, female and old age person. The ticket will be issued to the relevant category accordingly. After receiving the ticket the said number will be blinked on male, female and old age counter. The person will move to that counter where he will be asked about his basic details which will be entered in the basic registration form software linked with QMS and that specific token / ticket number. He will also be asked about the disease and accordingly the relevant consultant / specialty area e.g. pediatrics, ophthalmology etc. after registering, he will take the printout and give the slip to patient / attendant along with its token number.

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

The same process described above for DHQ will be implemented for THQ but with lesser number of counters i.e. 25. The important constraints for the systems are:

1. Same token number will be used at all the counters and patient will be getting the ticket from ticketing machine only once at the time of entry.

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

5.7.2 Public Address System

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

5.7.3 CCTV System

Installation of network based CCTV cameras is an important module in the ICT part of revamping project. Scope of this component is to install 60 to 80 cameras in each hospitals at important location i.e. entry, exit, OPD, waiting areas, Parking for surveillance and security purposes. This will also serve as major input to the security services being provided by an outsourced security company in relevant hospitals. Moreover, there will be small scale central control room at each hospital to monitor the allocated locations where the cameras have been installed. This system will also have the facility to record the video for 15 days for all the cameras so that recording of specific duration can be produced on demand. This will also have the facility of central control room which has the capacity to access the camera of 40 hospitals and to view and monitor the area of specific camera within specific hospital at any given time. Therefore, it will establish a centralized surveillance and security mechanism for these 40 public sector healthcare facilities.

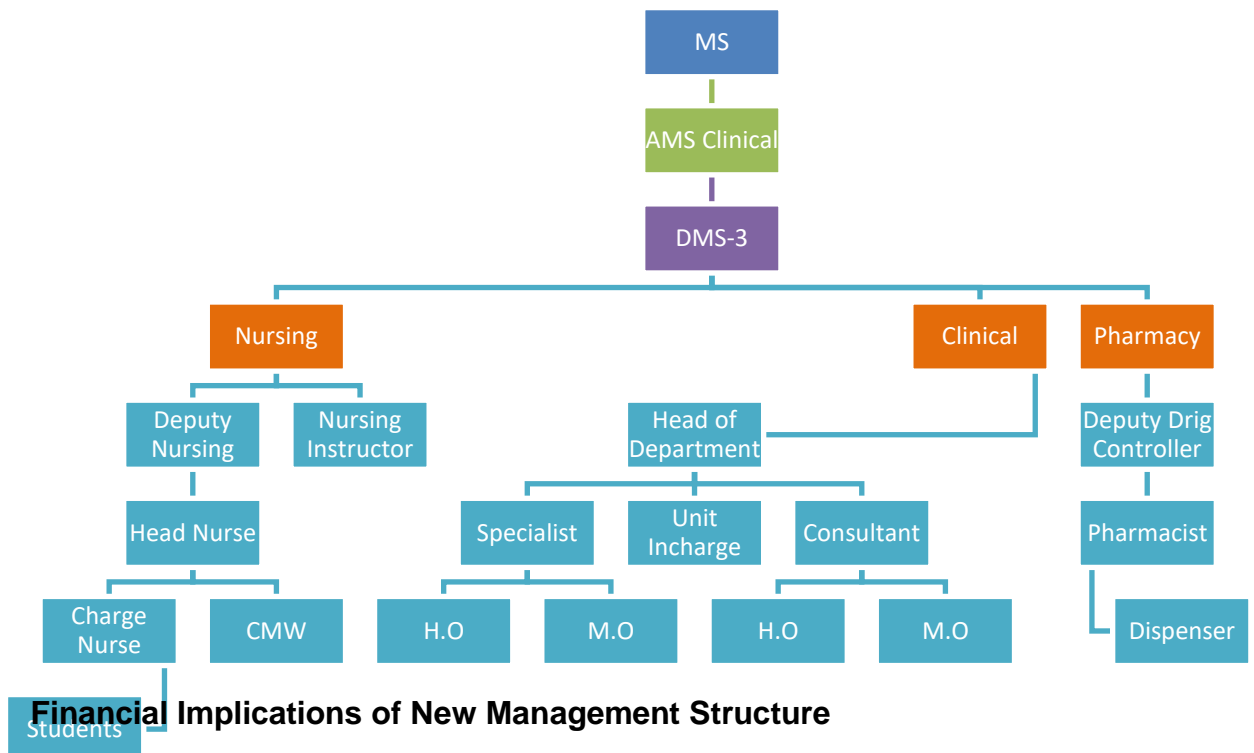
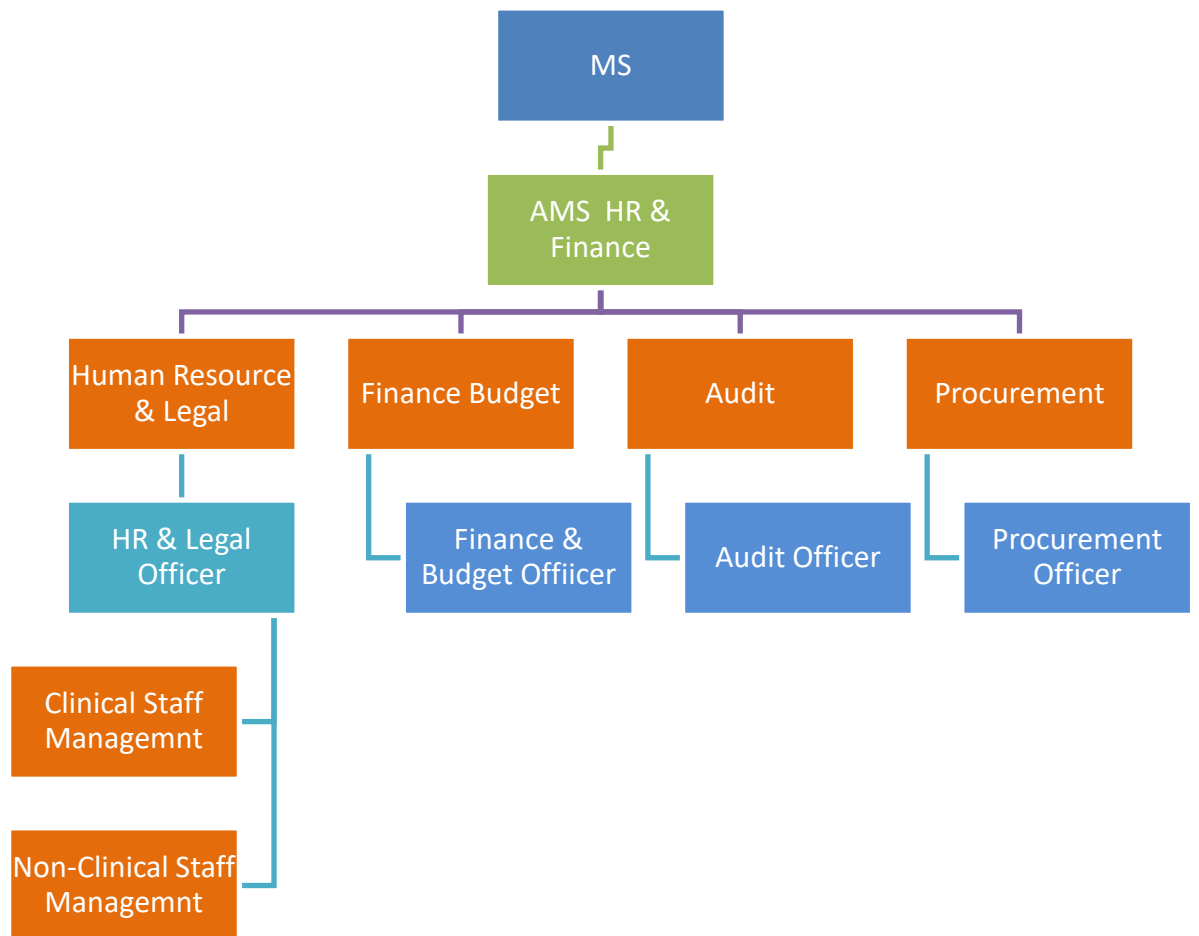
5.7.4 EMR and Networking

Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the revamping project in terms of ICT. This will including provision of networking point at all nursing stations and important areas where entries regarding patients' needs to be made e.g. Radiology/Pathology, Indoor, outdoor etc. This will serve as

backbone to implement the Electronic Medical Record System in the Hospital which has the key feature of generating Unique Medical Record Number for each patient. This MR number will serve as an identity for patients during their treatment, retrieval of records and for decision making.

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

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



Financial Implications of New Management Structure

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

<u>Project Pay Scale</u> <u>(PPS)</u>	<u>Revised Project Pay Scales</u> <u>(Permissible Range) (PKR)</u>	<u>Annual Increment</u> <u>Up to % age</u>
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
AUDIT OFFICER	1	80,000	960,000	105,000	1,260,000
PROCUREMENT OFFICER	1	80,000	960,000	105,000	1,260,000
LOGISTICS OFFICER	1	80,000	960,000	105,000	1,260,000
BIOMEDICAL ENGINEER	1	80,000	960,000	105,000	1,260,000
QUALITY ASSURANCE OFFICER	1	80,000	960,000	105,000	1,260,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	1,680,000	44,000	2,112,000

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

5.8.1 NON CLINICAL HR INTERVENTIONS (HUMAN RESOURCE (HR) PLAN MANAGEMENT STRUCTURE)

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

RESPONSIBILITIES / JOB DESCRIPTIONS, ELIGIBILITY & FINANCIAL IMPLICATIONS FOR MANAGEMENT STRUCTURE OF HOSPITAL

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

1. Smooth conduct and completion of all types of audit in hospital
2. Pre-audit of all Payments
3. Liaison with external audit teams
4. Preparation of replies of audit paras, working paper for Department Accounts committee, Special Departmental accounts committee & Public Accounts committee meetings
5. Development of SOPs for finance, budget, procurement as per Government rules & regulations

6. Any other function assigned by AMS HR& Finance /MS/P&SHD

Eligibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eligibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

1. Security
2. Transport
3. Parking
4. Janitorial
5. Canteen
6. External housekeeping
7. Electrical works

8. Internal housekeeping
9. Laundry
10. Stores & supplies

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

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

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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 professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

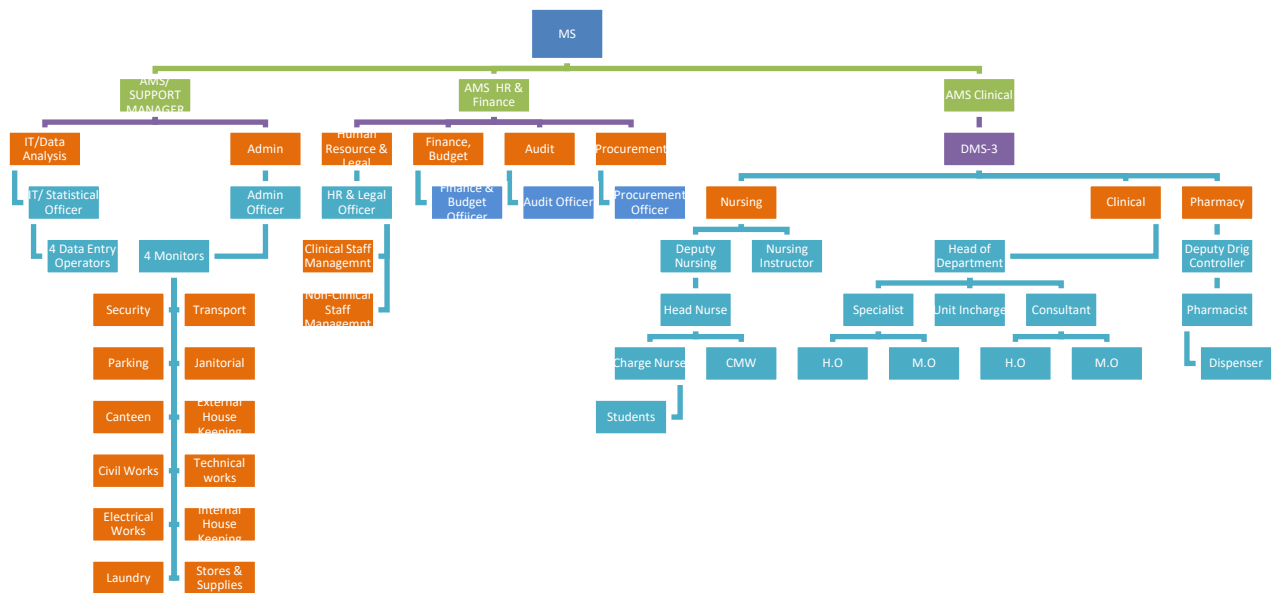
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

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

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

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

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

5.9 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.

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

1. Initial reception and computerization of data, issuance of medical record number and preparation of record file.
2. Patients seen by C.M.O. initial assessment (brief history and physical examination) is entered on the emergency slip/file initial treatment is started.
3. C.M.O calls the medical officer / house officer of the relevant department who takes on of the following action:-
 - i. Discharges the patient from emergency department after the patient is stabilized (himself or after consultation).
 - ii. Returns the patient in emergency department and inform the consultant or call such patient is either discharged after some time i.e. 2 hours of admitted later on
 - iii. Patient is straight way admitted by the medical officer himself or in consultation with the consultant
4. A separate record is maintained by each department. Each patient discusses at the morning meeting and any pitfalls are any pitfalls are corrected.

5. The patient who is admitted is again entered into the computer in the ward, complete history and physical examination is carried out and relevant lab & radiological investigations are ordered. (If not already done in the emergency department).
6. The definitive management is either started by the medical officer himself or in consultation with the consultant. (Telephone or physically). The patient is prepared for surgery if required.
7. At the evening round of the ward, the patients admitted throughout the day (Through OPD or emergency) are seen by the specialist. Appropriate changes in the management are carried out.
8. During the night, medical officer & house officer will be on duty and they will remain in contact with consultant.
9. In the morning round all the new admissions and old patients are thoroughly discussed management / treatment changed, surgery ordered or discharge ordered.
10. The discharge certificate is either prepared by the house officer or medical officer. If prepared by the house officer, it is countersigned by the medical officer

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

5.10.2 O.P.D:

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

5.10.3 DEATH OR END OF LIFE MANAGEMENT.

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

modifications are decided in the relevant department for each patient.

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

5.10.4 INVENTORY CONTROL SYSTEM

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

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-1. The Population of District Narowal is more than 1.86 million. The area of the DHQ Hospital Narowal is 1097272 SFT.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

JUSTIFICATION FOR REVISION OF PC-I

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

PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.

Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled "Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab" was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 130.628 million to Rs. 177.190 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

2. In place of the clerical positions, the Department introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers/officials recruited as a part of the NMS have a minimum of 16 years of education. Introduction of New Management Structures (NMS) across all secondary hospitals in the Punjab, has allowed for the overall efficiency of District and Tehsil Headquarters Hospitals. In each Tehsil Headquarter Hospital HR under MNS has been provided for smooth running of the health services. Pay Package for NMS Staff was never been revised since 2017-18, therefore it was decided to approach the P&D Department for revision of Pay package. The PDWP approved revised pay page in its meeting held on 08-02-2022 based on PPS approved in 60th PDWP meeting as under: -

Name of Posts	60 th 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. Due this the revenue component meant only for salaries of NMS staff has been increased.

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

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

given

below



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

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

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

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4206

Grant Number:Development - (PC22036)
LO NO:LO21010956
A/C To be Credited:Assan Assignment

PKR Million

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

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010100
A/C To be Credited:Account-I

PKR Million

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

1. **Building:** Renovation of existing building will be required. In this regard an estimates has been prepared from the Punjab Buildings department (C&W Department) and attached with the PC-I.
2. **Human resource:** Human resource is required for implementation of project – Provision of salaries of staff of New Management Structure (NMS) working in the said hospital till the vacation of stay by the honorable Lahore High Court, Lahore and completion of conversion of these posts to non-development mode.

Abstract of Cost

Revamping of Balance work of DHQ Hospital Narowal						Rs. in million
Scope of work	Original			1st Revised		
	Capital	Revenue	Total	Capital	Revenue	Total
Capital component						
Internal Development	54.654	0.000	54.654	54.519	0.000	54.519
External Development	46.203	0.000	46.203	27.384	0.000	27.384
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	100.857	0.000	100.857	81.903	0.000	81.903
Revenue component						
Human resource (HR) plan	0.000	25.440	25.440	0.000	49.401	49.401
Electricity	0.000	5.50	5.500	0.000	11.00	11.000
Total Revenue component	0.000	30.940	30.940	0.000	60.401	60.401
Total	100.857	30.940	131.797	81.903	60.401	142.304
Grand Total	100.857	30.940	131.797	81.903	60.401	142.304

Human Resource Model of DHQ Hospital Narowal

	Original				1st Revised				
NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
AUDIT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	140,000	3,360,000	4	3	44,000	176,000	5,456,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
BIO MEDICAL ENGINEER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	4	50,000	200,000	4,800,000	4	5	70,000	280,000	8,680,000
Sub Total of HR Model	17		1,060,000	25,440,000			1,059,000	1,401,000	43,431,000
				25.440					43.431
Utilization of HR Component				5.970					
									49.401

Electricity							
		Original			1st Revised		
Sr. No	Item Description	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost (PKR)
1	11 KV Express Line/ Extention of Load	1	5,500,000	5,500,000	1	11,000,000	11,000,000
				5,500,000.000			11,000,000.000
				5.50			11.00



cebnzdb@gmail.com

Office of the

CHIEF ENGINEER

Punjab Buildings Department
(North Zone) Lahore

No.CEBNZ/1882/D, Dated 07/11/2022

To,

The Director Infrastructure
Project Management Unit (PMU)
Primary & Secondary Healthcare Department
31/E-1, Shakra-e-Imam Hussain Gulberg-III,
Lahore.

**SUBJECT: AMENDED ROUGH COST ESTIMATE FOR THE BALANCE
WORK OF REVAMPING OF ALL D.H.Q / 15 THQ HOSPITALS IN
PUNJAB, ONE AT DHQ HOSPITAL NAROWAL"
A.D.P SCHEME NO.660 FOR THE YEAR (2022-23)**

REFERENCE: Superintending Engineer, Building Circle No.2 Gujranwala office
letter No.1953/DB, dated 05.11.2022

As approved by the competent authority, the amended rough
cost estimate for the subject scheme received through above referred
communication is sent hereby dully vetted for **Rs.277-579 (M)** for favour of
consideration and arranging amended administrative approval under proper
head of account.

DA/

Copy of

vetted estimate

RECEIVED & ENTERED
Diary No: 6198
Date: 07-11-2022
PMU: I&C: <i>Obw</i>
PMU: P&SD

Deputy SD	1.
Finance & Admin	
Procurement	
Outsourcing	2.
Infrastructure	
Planning & HR	3.
ICT	
Operations	
Health	4.
Legal	
Labour	5.
BERC	6.
MARKING SIGNATURES	

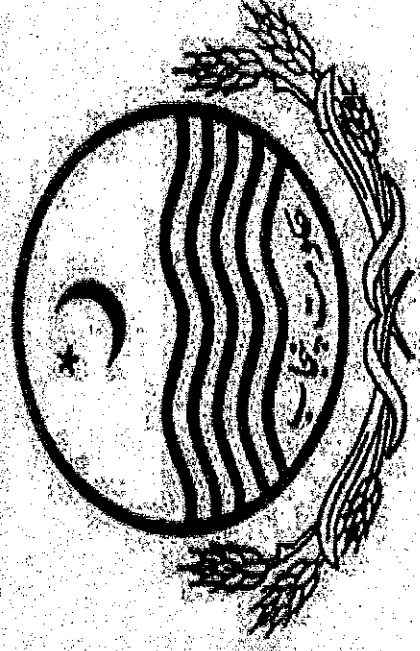
[Signature]
Deputy Director-I
For Chief Engineer
Punjab Buildings Deptt. (N.Z.),
Lahore

A Copy is forwarded for information & necessary action to the:-

Secretary, Govt. of the Punjab Primary & Secondary Healthcare
Department, Lahore.
Commissioner Gujranwala, Division Gujranwala.
Superintending Engineer, Building Circle No.2 Gujranwala with
reference to his office letter referred as above.
Chief Executive Officer, District (Health) Authority, Narowal.
Executive Engineer, Building Division Narowal.
Chief Draftsman (Local).

PROVINCE

PUNJAB



DIVISION

BUILDING DIVISION NAROWAL

SUB DIVN :

BUILDINGS SUB DIVISION NAROWAL

NAME OF WORK

AMENDED ROUGH COST ESTIMATE FOR THE
BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE
AT DHQ HOSPITAL NAROWAL ADP NO .660
FOR THE YEAR 2022-23

ESTIMATE COST

RS .277.579 (M)

81.903(M)

ESTIMATE FRAMED BY:-

EXECUTIVE ENGINEER BUILDINGS DIVISION NAROWAL.

FOR THE EXPENSE OF:-

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE
WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN
PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660
FOR THE YEAR 2022-23

REFERENCE
HISTORY:-

In order to enhance the service delivery of District Head Quarter Narowal, The Govt. of the Punjab Primary and Secondary Health Department decided to Revamping of the existing institution. To achieve the target a scheme namely Balance Work of Revamping of all D.H.Q / 15 T.H.Q Hospital in Punjab one at DHQ Hospital Narowal reflected in ADP 2022-23 as serial No.660. The Scheme was also reflected in ADP 2021-22 and approved vide Secretary primary & secondary health care department vide his letter No. PO(D-II)Revamping/P-1/23 dated 11.01.2022 amounting to Rs. 100.857 Millions. Due to short funding in the year 2021-22 the work could not started at site. Now, the department has decided to revamp the District Head Quarter Hospital Narowal in current financial year.

So, as per Prescribed scope of work provided by the project management unit. This amended rough Cost estimate Amounting To Rs.277.579 (M) has been prepared for the Arrangement of Administrative Approval & Funds from the competent authority.

SCOPE OF WORK

The following scope of work is taken in the estimate.

1	Provision boring and tube well chamber	1 Job
2	Provision of filtration plant capacity 1000 LPH	1 Job
3	Provision of Burn Unit	1 Job
4	Provision of CCU Unit	1 Job
5	Improvement of Waiting Area Lawn With Fiber Shed	1 Job
6	Revamping of gynae ward	1 Job
7	Revamping of Radiology & Pathology & Admin Block	1 Job
8	Improvement of external sewerage system	1 Job
9	Improvement of external Water Supply system	1 Job
10	Improvement of external E.I Portion	1 Job
11	Provision of fire Alarm System	1 Job
12	Revamping of External Roads	1 Job
13	Development of Burialpit	1 Job
14	Provision of Transformer 1000 KVA	1 Job

SPECIFICATIONS:-

The work will be carried out according to the P.W.D Specifications.

RATES:-

This estimate is based on Plinth Area rates Circulated by Chief Engineer Punjab Buildings Department North Zone Lahore 2nd Bi-Annual 2022 (1st July 2022 to 31st December 2022).

COST


Rs-277.579 (M) 81.903/- (M)

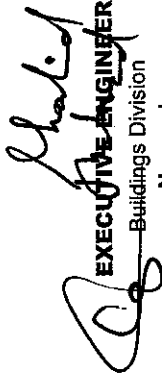
LAND :-

Land is available.

CARRYING OUT OF WORK :-

The work will be carried out strictly through an approved Govt. contractor o Buildings Department after observing all the codal formalities.


SUB DIVISIONAL OFFICER
Buildings Sub Division
Narowal


EXECUTIVE ENGINEER
Buildings Division
Narowal



Office of the



Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 14/1/2022



ORDER

No. PO (P&SH) Revamping (P-1/21): Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its 5th meeting during FY 2021-22 held on 12.11.2021, the Governor of the Punjab is pleased to accord Administrative Approval of sub-scheme titled "Balance Work of Revamping of DHQ Hospital Narowal" under the block scheme titled "Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab" at a total cost of Rs.131.797 million (Rupees One Hundred Thirty One Million and Seven Hundred Ninety Seven Thousand Only) with gestation period from 01.07.2021 to 30.06.2023.

The expenditure involved will be debitable under the following heads of account:

Capital Component (Rs. 100.857-million)	Grant No.12042 (042) Government Buildings 04-Economic Affairs-045 Construction and Transport -0457 Construction (Works) 045702-Buildings and structures
Revenue Component (Rs. 30.940-million)	Grant No. PC22036(036)-Development-07-Health 073-Hospital Services 0731-General Hospital Services 073101-General Hospital Services

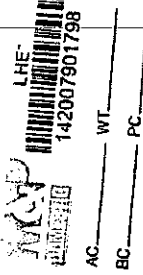
Ms. 000000576 closed Estate
Project 15 closed Estate

(IMRAN SIKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

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

1. Accountant General, Punjab, Lahore.
2. Chief (Health-II), Planning & Development Board, Lahore.
3. Director General Health Services, Punjab, 24-Cooper Road, Lahore.
4. Chief Engineer (North Zone), Buildings Department, Lahore.
5. Project Director, Project Management Unit, P&SH Department.
6. Executive Engineer (XEN), Buildings Department, District Narowal.
7. Section Officer (Health-I), Finance Department.
8. Budget Officer-I & III, Finance Department.
9. Planning Officer (P&DP), P&SH Department.
10. PSO to Secretary, P&SH Department.
11. PA to Special Secretary (Development), P&SH Department.
12. PA to Additional Secretary (Dev & Fin), P&SH Department.
13. PA to Deputy Secretary (Dev. & Coord.), P&SH Department.



No. 64/M Dated. 17/01/22

Copy is forwarded for information for action to the-

SPD (S) NWL / P1.

Head Division

PLANNING OFFICER (D-II)

NAROWAL

Telephone No. 0542-920119

Email: dhqhospitalnarowal@gmail.com

No. 16344-80 MSDHQ/NWL

Dated: 03-11-2022

To,

✓ Executive Engineer,

Building Division, Narowal.

Subject:

COST ESTIMATES FOR REVAMPING OF DISTRICT HEADQUARTER HOSPITAL NAROWAL.

Reference this office earlier letter No.11404-10/MS dated 29-07-2021 regarding subject cited above. Please find below the detail of works to be executed under Revamping scheme of DHQ Hospital, Narowal in addition to the scope/ works already mentioned in the letter referred above for further necessary action in this regard.

Sr.#	Description	Description
1	Establishment of Burn Unit	Need to establish the standard Burn Unit as a key facility to the patients, the whole District does not have this facility and Hospital faces different issues of health management of affected/ burnt patients.
2	Establishment of CCU Unit	Need to establish the standard CCU as a key facility to the patients, the whole District does not have this facility and Hospital faces different issues of health management of cardiac patients.
3	Installation of Window Safety Grills	Window safety grills are required to be installed in non revamped area of 1 st floor and Ground floor for to avoid any untoward incidence/ hazard to public lives or Hospital property. Safety grills on 2 nd floor are already installed by the executing agency.
4	Improvement of Lawns with Fiber Sheds Where Required	Some lawns connected with Hospital building needs to be improved by carrying out the pavement work to bring them in more beneficial use of patients/ public. Fiber sheds are also need to be established in these lawns to make sitting arrangements for patients/ public as the sitting/ waiting arrangements in radiology, pathology and Gynecology block are not sufficient and patient/ attendants remain standing in corridors/ walk ways.
5	Asphalt of Roads rather than Patch Work	Fiber shed also need to be established in power house area as the Hospital Administration has no arrangement to perform any work on generators during rains which include any repair, filling of fuel and to operate the generators. Most of the roads of the Hospital are badly deteriorated, the upper/ finishing layer does not exist, great difficulties are being faced during patient transfer. There is also no arrangement to drain the rains water which always remain stagnant on roads and also causes road deterioration and makes it inconvenient for public to pass.
6	Water Filtration Plant	Establishment of Water Filtration Plant is a dire need to provide hygienic water to the public in best of their interest.
7	Fire Alarm System	Fire Alarm system has already been installed in revamped areas and this system further needs to be extended in non revamped/ remaining areas of the Hospital to identify the fire hazards and for the safety of the Human lives as well as of the Government Property.
8	Thunder Lightening Protection	Thunder Lightening Protection System also requires to be installed in the Hospital premises to avoid the potential damages by lightening. An incident took place in near past when lightening destroyed the operating system of Hospital's main generators which were later repaired.
9	Drain System for Storm Water along the Road side	Presently, there is no drain system available along with the Hospital roads. Rain water always remain stagnant on roads and even after heavy rains, it is not possible to travel on road either by walking or on a vehicle.

Dr. Shabir
MEDICAL SUPERINTENDENT
 DHQ HOSPITAL, NAROWAL

No. & Date Even:

Copy is forwarded for information to:

1. The Secretary, P&SHD, Government of the Punjab Lahore.
2. The Project Director, PMU, P&SHD, Government of Punjab, 31/E-1 Shahra-e-Imam Hussain, Gulberg III Lahore.
3. The Deputy Commissioner/ Administrator, District Health Authority Narowal.
4. The Director Operations North, PMU, P&SHD, Government of Punjab, 31/E-1 Shahra-e-Imam Hussain, Gulberg III Lahore.
5. The Chief Executive Officer, District Health Authority Narowal.
6. The Admin Officer, DHQ Hospital Narowal.

**MEDICAL SUPERINTENDENT
DHQ HOSPITAL NAROWAL**

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ NAROWAL 29-07-22

Sr No	Item	3	4	5	6
GF (OPD+Gynae+Emergen cy+Dialysis+ICU/CCU+ PKLI)	Wooden Doors flush or Solid/ Main Doors Only damaged doors (which are few) will be replaced by Solid flush doors. Remaining doors will only be repainted properly after scrapping the old paint. Doors which are opening outside will have cantilever above them.	All damaged MS angle iron & jaali will be replaced with new MS angle iron & double jaali.	Hospital already has aluminium windows. Repair of aluminium windows may be included in the estimate if Aluminium Windows required.	All corridors need to repaint after scrapping the old paint completely.	
FF (OPD+Gynae Ward+Main Ward+Surgical Ward+Eye Ward)	Not Required	Not Required	All Existing internal MS windows need to be replaced with Aluminium Windows.	All corridors need to repaint after scrapping the old paint completely.	
S.F(Paeds Ward+Medical Ward+Ortho Remarks	Specifications , wood/type of door, polish, door locks and handles will be as per specified C&W standards.	Not Required	Specifications C&W will be as per standards.	All corridors need to repaint after scrapping the old paint completely.	
GF (OPD+Gynae+Emerge ncy+Dialysis+ICU/CCU U+PKLI)					
FF (OPD+Gynae Ward+Main Ward+Surgical Ward+Eye Ward)	OPD+QMS Hall need to be included in scope	OPD+QMS Hall need to be included in scope	OPD+QMS Hall need to be included in scope		
S.F(Paeds Ward+Medical Ward+Ortho Ward)	Required	Required	Required		

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ NAROWAL 29-07-22

Sr No	Item	7	8
GF (OPD+Gynae+Emergen cy+Dialysis+ICU/CCU+ PKLI)	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical.	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	
FF (OPD+Gynae Ward+Main OT+Surgical Ward+Eye Ward)	Not Required	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	
S.F(Paeds Ward+Medical Ward+Ortho Ward)	All Electric fittings including switch boards, plates, sockets, wires, fans should be replaced and installed at standard height from Finish Floor level and all must be identical.	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	
GF (OPD+Gynae+Emerge ncy+Dialysis+ICU/CC U+PKLI)	Model Specifications / Brands, fans should be replaced and installed at standard height from Finish Floor level and all must be identical. C&W Standards.	Model Specifications / Brands and distance should be as per specified C&W Standards.	
S.F(Paeds Ward+Medical Ward+Ortho Ward)	OPD+QMS Hall need to be included in scope Main cables from LT Room to Wards DBs are not laid by IDAP in previously revamped areas and need to be done		

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ NAROWAL 29-07-22

Sr No	Item	9	10	11
GF (OPD+Gynaee+Emergen cy+Dialysis+ICU/CCU+ PKLI)	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.
FF (OPD+Gynaee Ward+Main OT+Surgical Ward+Eye Ward)	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.
S.F(Paeds Ward+Medical Ward+Ortho Remarks)	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.	Plaster Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.
GF (OPD+Gynaee+Emergen cy+Dialysis+ICU/CCU+PKLI)				
FF (OPD+Gynaee Ward+Main OT+Surgical Ward+Eye Ward)				
S.F(Paeds Ward+Medical Ward+Ortho Ward)				

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ NAROWAL 29-07-22

Sr No	Item	12	13	14	15	16	17
GF (OPD+Gynae+Emergen cy+Dialysis+ICU/CCU+ PKLI)	Reduce nursing counter height to 2.5'	Reduce nursing counter height to 2.5'	All stairs with terrazo on steps need to be replaced with Marble/Granite on steps. Stair railing needs to be replace with SS stair rail. Chequered tile & SS hand railing will be fixed on ramps.	Minor Facade treatment with weather shield combinations and patterns should be executed on front elevation.	Lead Lining is required in X-Ray Room	Anti-microbial treatment is required in operation theatres. (Dampa Ceiling	Antimicrobial Treatment (OTs)
FF (OPD+Gynae Ward+Main OT+Surgical Ward+Eye Ward)	Nursing counter will be provided upto 2.5' height with granite marble on top. Change tile with full body porcelain tile.	Not Required	Not Required	Minor Facade treatment with weather shield combinations and patterns should be executed on front elevation.	Not Required	Not Required	
GF (OPD+Gynae+Emergen cy+Dialysis+ICU/CCU+ U+PKLI)		Not required.	Not required.	Minor Facade treatment with weather shield combinations and patterns should be executed on front elevation.	Not required.	Not required.	
GF Ward+Main OT+Surgical Ward+Eye Ward)		Marble/Granite e type and installation technique will be as per C&W Standards.	Not required.	Not required.	Not required.	Not required.	
S.F(Paeds Ward+Medical Ward+Ortho Ward)			Required	Required	Required	Required in Main OT	

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ NAROWAL - 29-07-22

Sr No	Item
18	External Weather Shield
19	Edge Protection
20	Columns SS Cladding
21	Plumbing Works
22	Fire Alarm System
23	Elevators
24	Expansion joint of Building

GF	FF (OPD+Gynaec Ward+Main OT+Surgical Ward+Eye Ward)	S.F(Paed Ward+Medical Ward+Ortho Ward)
(OPD+Gynaec+Emerg ncy+Dialysis+ICU/CC U+PKLI)		
	Required	Required

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY DHQ NAROWAL 29-07-22

Sr No	Item	Any Other Item			25	Electrification	26
GF (OPD+Gynae+Emergen cy+Dialysis+ICU/CCU+ PKLI)	FF (OPD+Gynae Ward+Main OT+Surgical Ward+Eve Ward)	S.F(Paeds Ward+Medical Ward+Ortho Ward)	GF (OPD+Gynae+Emerge ncy+Dialysis+ICU/CC U+PKLI)	FF (OPD+Gynae Ward+Main OT+Surgical Ward+Eve Ward)	S.F(Paeds Ward+Medical Ward+Ortho Ward)	Hospital Staff demands that Fire Hydrants, emergency exit ramps should be provided in the hospital. Floor level of electric control room needs to get raised to avoid inflow of storm water. Proper drainage of storm water is also required in this area. Burial Pits need to be established as required by Hepatitis and Infection Control Program	All external main cables of hospital which are hanging in Air should be concealed in all respects. Similarly, few existing DB's need to replace as per site condition along with proper earthing of complete hospital.
		Remarks					

Patient/ Public waiting areas need to
be established in area adjacent to Lab/
Radiology and Gyne

For Paediatric Joint.

pair of road may be taken

ROUGH COST ESTIMATE FOR REAMPING OF DISTRICT HEAD QUARTER HOSPITAL NAROWAL

Sr. No.	Description	Plinth Area	Unit	B.P.	Extra for strip foundation / isolated footing	Extra for frame structure for Each floor	Extra for foundation for 1st floor & subsequent floor	Reduce cost of foundation	Extra for 1st and subsequent floor	EI	P.H	S.G	Total (Rs.)	Amount (Rs.)	Remark
1	Provision of Main Building														
1	Ground Floor (51402+49375+34325)	135102	P.S.R		4285000					118		31	149	20130198	Rough cost estimate has been framed on the basis of plinth area rates 2nd BI Annual 2021 to 31st July 2021
2	1/2 Cussec Turbine i/c boring and lowering		Job	1											
3	Tube well Chamber (14-1/4x14-1/4)	204	P.S.R		2300										
4	Provision of Burn Unit		P Job	1	330000										
5	Provision of CCU Unit		P Job	1	2198000										
6	Waiting Area Lawn Shed for Gyne		Job	1	5422000										
7	Provision of Emergency Light (heavy duty)		Each	1	8000										
8	Provision of Emergency Light (heavy duty)		Each	1	8000										
9	Provision of Roof Treatment		Each	1	4099123										
10	Gyward ward		Each	1	6462000										
11	Emergency Facade		Each	1	3859000										
12	Repair & Renovation of Radiology & Pathology Block & Admin Block		Job	1	3666000										
13	Repair & Renovation of Ground Floor Corridor Starting from Emergency to Dialysis Hall		Job	1	4380000										
14	Repair & Renovation of OPD Ground Floor & First Floor		Job	1	5030000										
15	Repair Renovation of Orthopedic Ward		Job	1	1983000										

AS PER PLINTH AREA RATES 2nd BI Annual 2021

TECHNICAL & WRITTEN
For Rs. 167.823 (my)
Chief Engineer
Punjab Buildings Deptt.
North Zone, Lahore.
Chief District Officer
Punjab Buildings Deptt.
North Zone, Lahore.

SUPERINTENDING ENGINEER
Buildings Circle No. 2
Gujarat, India

Executive Engineer
Buildings Division
Nagpur

100.857
167823303
Add Sul Gas
167.823

Add: 5 % P R A Tax Re.

Add 3.2% \rightarrow 134893.925
 Add 5.8% \rightarrow 142699.67
 Add 4.4% \rightarrow 149012.11
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BI Annual 2021

Figure 1. A schematic diagram of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group received a standard training program, while the experimental group received a modified training program. The results of the training program were compared between the two groups.

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL
NAROWAL ADP NO .660 FOR THE YEAR 2022-23**

S.#	Description	As per Approved Rough cost Estimate 2nd Bi 2021				Work Already Allotted				Amended Rough Cost Estimate 2nd Bi 2022				Total		Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Qty (7+11)	Amount (10+14)	Excess (14-6)	Saving (10-14)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Provision of Main Buuilding																	
1	Ground Floor (51402+49375+34325) Improvement of Existing E.I System Internal	135102	P.Sft	149	20130198					1	p Job	8004000	8004000	1	8004000	-12128198		
2	1/2 Cusec Turbine i/c boring and lowering	1	Job	4285000	4285000					1	Job	2320433	2320433	1	2320433.4		1964566.6	
3	Tube well Chamber (14-1/4x14-1/4)	204	P.Sft	2368	483072					204	P.Sft	3905	796620	204	796620	313548		
4	Provision of Burn Unit (Detail attached)	1	P Job	3302000	3302000					1	P.Job	7585724	7585724	1	7585723.58	4283723.58		
5	Provision of CCU Unit (Detail attached)	1	P Job	2198000	2198000					1	P.Job	1990542	1990542	1	1990541.68		207458.32	
6	Improvement of Waiting Area Lawn with Fiber Shed for Gyne	1	Job	5427000	5427000												5427000	
7	Provision of Roof Treatment	1	Job	4099123	4099123												4099123	
8	Revamping of Gynae ward (as per scope provided by PMU)	1	Each	6462000	6462000					1	Each	9434666	9434666.4	1	9434666.4	2972666.403		
9	Revamping of Emergency Façade (Detail attached)	1	Each	3859000	3859000									0	0		3859000	
10	Revamping of Radiology & Pathology Block & Admin Block (Detail attached)	1	Job	3666000	3666000					1	Job	5206674	5206674	1	5206674.25	1540674.253		
12	Revamping of OPD Ground Floor & First Floor (Detail attached)	1	Job	5030000	5030000					1	Job	11087411	11087411.4	1	11087411.4	6057411.42		
13	Revamping of Orthopedic ward	1	Job	1963000	1963000									0				
14	Revamping of Medical Ward, Pead Ward & Surgical Unit II	1	Job	4104000	4104000					1	Job	0	0	1	0	-4104000		
15	Revamping of QMS Registration Area Ground Floor & First Floor i/c Establishment of Registration Desk	1	Job	1466000	1466000					1	Job	1452632	1452632	1	1452632.07		1466000	
17	Provision of External Development	1	Job	28353042	28353042					1	Job	11535001	11535001	1	11535001	-16818041		
18	Provision of Razor wire	1	Job	1126300	1126300										0	0		
21	Revamping of Façade uplifting									1	Job	307729	307729	1	307729	307729		
22	Revamping of Accident Emergency Department									1	Job	9756891	9756891	1	9756891	9756891		
27	Development of burial pit for disposal of anatomical /pathological waste at healthcare facilities in district head quarter hospital narowal									1	Job	2287319	2287319	1	2287319	2287319		
28	Provision of Transformer 1000 KVA i/c foundation & Earthing									1	Job	4092254	4092254	1	4092254	4092254		
				Total:-	92332235							Total:-	75857897		75857897	-1436022	17023148	

S.#	Description	As per Approved Rough cost Estimate 2nd Bi 2021				Work Already Allotted				Amended Rough Cost Estimate 2nd Bi 2022				Total		Difference		Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount	Qty (7+11)	Amount (10+14)	Excess (14-6)	Saving (10-14)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
22	Revamping of Accident Emergency Department									1	Job	945284	945284	1	945284	945284		
	Provision of Water Filtration Plant																	
23	Construction of Water Filtration Plant room. 1x16-1/4x12									195	P.Sft	4122	803790	195	803790	803790		
24	Provision of water Filtration plant Capacity 1000 LPH With Sub-Mersible Pump and Filtration Plan									1	P Job	9418406	9418406	1	9418406	9418406		
25	supply & installation of complete early streamer emission (ese) lightning protection dhq hospital narowal.									1	Job	1495200	1495200	1	1495200	1495200		
26	Fire Alarm System polon alfa europe									1	Job	13295500	13295500	1	13295500	13295500		
27	Development of burial pit for disposal of anatomical /pathological waste at healthcare facilities in distret head quarter hospital narowal									1	Job	2880023	2880023	1	2880023	2880023		
28	Provision of Transformer 1000 KVA i/c foundation & Earthing									1	Job	4092254	4092254	1	4092254	4092254		
29	Dismantling ,I.C.C. Unit, Burn Unit									1	Job	66554	66554	1	66554	66554		
				Total:-	92332235							Total:-	257677539	0	257677539	171278434	8497130	

Add 3% Contingency:-

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Add 3% Contingency:-

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Total:-

96379084

Add: 5 % P R A Tax Rs. 95102202

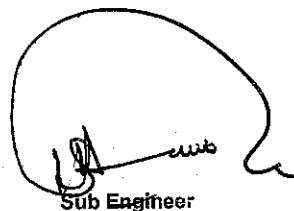
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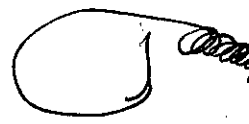
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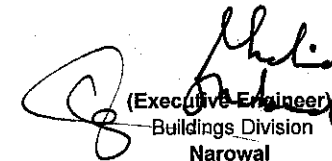
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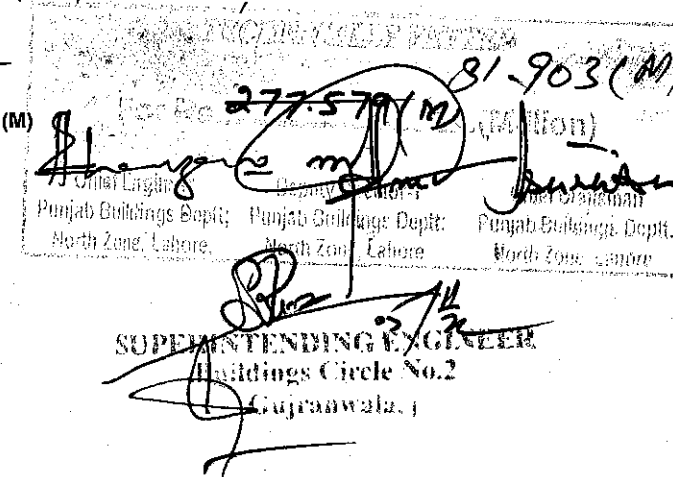
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Sub Engineer


(Sub Divisional Officer)
Buildings Sub Division
Narowal


(Executive Engineer)
Buildings Division
Narowal


SUPERINTENDING ENGINEER
Buildings Circle No.2
Gujranwala

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15
THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-**

23

Improvement of Existing E I System Internal

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
	Improvement of Existing E I System Internal (GF+FF+SF) Unrevamped Area				
1	S/E of 1" dia Pipe for wiring recessed in walls..r	500	P Rft	94.60	47300
4	S/E of single core cable 7/0.036.	1000	P Rft	52.65	52650
6	S/E of Four core cable (70 mm sq (19/0.083")) (DB to SMDB)	900	P Rft	2655.80	2390220
7	S/E of four core cable (95 mm sq (37/0.072")) (DB to SMDB)	1200	P Rft	3676.05	4411260
8	S/E of four core cable (185 mm sq (37/0.103")) (SMDB to Main DB)	150	P Rft	7119.40	1067910
9	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge 03 Gauge	15	Each	1341.00	20115
10	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge 06 Gauge	15	Each	1761.00	26415
11	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge three pin power plugg 15-32 Amp	15	Each	754.50	11318
12	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge three pin light plug 10/13 Amp	65	Each	610.50	39683
13	S/E of 3pin 5 Amp wall socket.	25	Each	90.20	2255
17	Providing and fixing high quality LED SMD Panel Light 2 ftx2 ft of specified wattage anf Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and direced by the Engineer Incharge.Lumens: 110Lumn/Watt	50	Each	9000.00	450000
21	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and IMS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardware as approved and directed by the Engineer Incharge 4"x3" deep	400	Rft	335.35	134140
22	do do 6"x3" deep	400	Rft	402.65	161060
				Total:-	8814325
				Say	8004000

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23

Improvement of Existing E I System Internal			
1	S/E of 1" dia Pipe for wiring recessed in walls..r	500 Rft	
4	S/E of single core cable 7/0.036.	1000 Rft	
7	S/E of Four core cable (70 mm sq (19/0.083") (DB to SMDB)	900 Rft	
8	S/E of four core cable (95 mm sq (37/0.072") (DB to SMDB)	1200 Rft	
8	S/E of four core cable (185 mm sq (37/0.103") (SMDB to Main DB)	150 Rft	
9	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge 03 Gange	15 Each	
10	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge 06 Gange	15 Each	
11	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge three pin power plug 15-32 Amp	15 Each	
12	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge three pin light plug 10/13 Amp	65 Each	
13	S/E of 3pin 5 Amp wall socket.	25 Each	
17	Providing and fixing high quality LED SMD Panel Light 2 ftx2 ft of specified wattage anf Luminous flux with Polystyrene bowl/prismatic cover made of Phillips as approved and direced by the Engineer Incharge.Lumens: 110Lum/Watt	50 Each	
21	Providing and fixing 3" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage,size and depth duly wall supported/ceiling hung on painted brackets of MS angle iron of 1"x1"x1/8" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge.4"x3" deep	400 Rft	
B	-----do-----.6"x3" deep	400 Rft	

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660
FOR THE YEAR 2022-23**

Tube Well Boring and lowering of material

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Director Rotary / Reverse Rotary drilling bore for tube well in all type of soil except shingle gravel and rock, from 0' to 250' below ground level 15" to 18" i/dia	250	P Rft	770.65	192863
2	Exceeding 250' to depth below ground level 15" to 18" dia.	200	P Rft	770.65	154130
3	Providing and Installing m s bail /eng plug in tubewell bore hole. B S S class D 6" dia.	1	Each	3751.9	3751.9
4	P/L Brass strainer in tube well hole l/c socket special socket studs etc 6" l/d, 3/16" thick(5mm).	80	P Rft	6828.1	546248
5	Providing Strong substantially built box of deodar wood 4"x2-1/2"x9" with compartments, lock and locking arrangement complete for preserving samples of strata from bore hole	1	Each	35757.5	35758
6	Furnishing sample of water from bore hole.	3	Sets	183.95	552
7	Testing and developing of tube well of 6" l/d and above continuously upto 1.5 cs discharge.	12	Hours	2828.55	33943
8	Shrouding with graded pea gravel 3/8" to 1/8" around tube well in bore hole.	397	Each	154.15	61197.6
9	P/F of M.S blind pipe with socket / welded joints M.S reducer where necessary in tubewell bore hole l/c jointing welding with strainer 6" l/d and 3/16" thick.	240	P Rft	2321.05	557052
10	Blind pipe 12" i/d	130	P Rft	4724.15	614140
11	Pulling out & Refixing of 1/2 cusic turbine pump i/c repairing of handles etc complete in all respect as approved by the Engineer Incharge.	1	Job	100000	100000
12	P/F Steel girder 4" 8" and 14' long.	14	Job	1500	21000
				Total:-	2320433

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN
PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23**

Tube Well Boring and lowering of Matrial

Director Rotary / Reverse Rotary drilling bore for tube well in all type of soil except shingle gravel and rock, from 0' to 250' below ground level 15" to 18" i/dia	250	Rft
B Exceeding 250' to depth below ground level 15" to 18" dia.	200	Rft
2- Providing and Installing m s bail /eng plug in tubewell bore hole. B S S class D 6" dia.	1	No
3- P/L Brass strainer in tube well hole l/c socket special socket studs etc 6" l/d, 3/16" thick(5mm).	80	Rft
4- Providing Strong substantially built box of deodar wood 4'x2-1/2'x9" with compartments, lock and locking arrangement complete for preserving samples of strata from bore hole.	1	No
5- Furnishing sample of water from bore hole.	3	Sets
6- Testing and developing of tube well of 6" l/d and above continuously upto 1.5 cs discharge.	12	Hours
7- Shrouding with graded pea gravel 3/8" to 1/8" around tube well in bore hole. 1x3.142x(1-1/2)2/4x600 3.142x1.25x1.25x450x1/4 d/d 3.142x0.5x0.5x240x1/4 3.142x1x1x130x1/4	552 6 47 102	Cft Cft
Total	155	
Net Total (552-155) =	397	Cft
8- P/F of M.S blind pipe with socket / welded joints M.S reducer where necessary in tubewell bore hole i/c jointing welding with strainer 6" i/d and 3/16" thick.	240	Rft
Blind pipe 12" i/d	130	Rft
9 Pulling out & Refixing of 1/2 cusic turbine pump i/c repairing of handles etc complete in all respect as approved by the Engineer Incharge.	1	No
11 P/F Steel girder 4" 8" and 14' long.	14	Rft

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Narowal

Executive Engineer
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23

ESTABLISHMENT BURN UNIT

S.#	Description	As per Approved Rough cost Estimate 2nd Bi 2021			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Dismantling of brick work in lime mortar	588	% Cft	4317.45	25383
2	Removing of door with chowkat.	7	Each	438	3066
3	Removing of windows & sky light..	1	Each	341.5	342
4	Dismantling glazed or encaustic tiles, etc.	3126	% Sft	2335.85	73019
5	Dismantling of P.C.C 1:2:4	115	% Cft	11174.6	12838
6	P/L p cc 1:2:4 i/c surface finishing complete.	115	% Cft	38178.9	43860
7	Cement plaster (1:5) 1/2" thick up to 20 height.	260	% Sft	3096.9	8060
8	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height:-1/2" thick	533	% Sft	3791.8	20210
9	Pacca brick work 1:6 in 2nd Floor	92	% Cft	35435.1	32689
10	Pacca brick work 1:4 in 2nd Floor	72	% Cft	37105.85	26577
11	Supply and installation premium 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 Channel of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer In-charge 12 mm	2494	P Sft	2250	5611500
	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	98	P Sft	502	49216
12	P/F operable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer Incharge.	18	P Sft	1950	35100
13	Providing and laying superb quality Porce lain glazed tiles flooring of MASTER brand of specified size in approved design ,Color and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mmx 600 mm.	886	P Sft	340.55	301589
14	Providing and laying superb quality Porce lain glazed tiles of Master br and, skirting / dado of specified size,Color and Shade with adhesive / bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints ,cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mmx 600 mm	752	P Sft	340.55	256093.6
15	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	28	P Sft	240	9428
16	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	131	P Sft	292.75	38423.4375
17	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm gnd,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.	720	P Sft	550	396000
18	Supply and installation anti microbial Hygenic Flooring (With anti bacterial agent) conforming to (ISO : 22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (Epoxy)	889	P Sft	602	535215.625
	P H Portion				

S.#	Description	As per Approved Rough cost Estimate 2nd Bi 2021			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
20	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	1	No	19987	19987
22	P/F C.P mixture valve for sink / basin.	1	No	3179	3179
23	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer Incharge.	1	No	7600	7600.00
24	Providing and fixing CP bath Room Set made of Sonex / Master/ Faisal comprising of 3No Tee stop cocks, lever type Basin Mixer, double Bib Cock, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer Incharge.	1	No	14472	14472.00
25	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc Under Counter Vanity Basin	1	No	7330	7330.00
26	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	30	Rft	260.6	7818.00
27	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary. 25mm dia.	35	Rft	66.5	2327.50
28	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary. 32mm dia.	50	Rft	106.9	5345.00
29	E I Portion S/E of PVC pipe for wiring purpose 3/4" dia.	100	Rft	81.7	8170.00
30	S/E of PVC pipe for wiring purpose 1" dia.	50	Rft	94.6	4730.00
31	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe M.S conduit/G.I pipe wooden strip batten/wooden casing an capping /G.I wire trenches (rate for cabel only) i) 3/0.74 mm (3/0.029")	500	Rft	25.75	12875.00
B	-----do-----7/0.029	550	Rft	40.75	22412.50
C	-----do-----7/0.044 twin core	200	Rft	160.2	32040.00
32	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge 03 Gange	5	No	742.5	3712.50
33	S/E of 3pin 5 Amp wall socket.	12	No	90.2	1082.40
34	S/E of button holder brass etc.	20	No	53.75	1075.00
35	S/E of L E D Bulb 24 watt as approved by the Engineer Incharge.	20	No	650	13000.00
	credit of old Metrial				7645763
1	Bricks	4763	%0No	8500	40484
2	Bats	235	P Cft	30	7056
3	Door Un serviceable	7	Each	1500	10500
4	Windows serviceable	1	Each	2000	2000
	Total				60040
	Net Total				7585724

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

(Executive Engineer)
Buildings Division
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AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23

ESTABLISHMENT BURN UNIT

1	Dismantling of brick work in lime mortar	2x21-1/4x3/4x12	382.5	Cft
		1x10-1/4x3/4x12	92	"
		3x5x3/8x8-1/2	48	"
		2x10-1/4x3/8x8-1/2	65	"
		Total	588	Cft
	2 Removing of door with chowkat. 3 Removing of windows & sky light.. 4 Dismantling glazed or encaustic tiles, etc. ward side wall	1x2x(21-1/4+21-1/4)x6	510	"
		1x2x(10-1/4+21-1/4)x6	2616	"
		Total	3126	Sft
	5 Dismantling of P C C 1:2:4 ratio. 6 P/L p cc 1:2:4 i/c surface finishing complete. 7 Cement plaster (1:5) 1/2" thick up to 20 height. outer side of bath inner side of bath	1x43-1/4x21-1/4x1/8	115	Cft
		1x43-1/4x21-1/4x1/8	115	Cft
		2x(6-3/8+4-5/8)x7	154	"
		1x2x(6+4-5/8)x5	106	"
		Total	260	Sft
	8 Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height:-1/2" thick 9 Pacca brick work 1:6 in 2nd Floor 10 Pacca brick work 1:4 in 2nd Floor Bath	1x2x(21-1/4+32)x5	533	Sft
		1x10-1/4x3/4x12	92	Cft
		2x6-3/8x3/8x12	57	Cft
		1x4-5/8x3/8x12	21	Cft
		Total	78	Cft
	d/d Supply and installation premium 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 Channel of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer in-charge 12 mm Patient Treatment Room H/wall V/wall	1x2-1/2x3/8x7	7	Cft
		Net Total (78-7)	72	Cft
		4x2x15x12	1440	Sft
		4x2x12x12	1152	"
		4x3-1/2x7	-98	Sft
		Total	2494	Sft
	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papeting and 3/8" thick matching wooden lipping as approved & directed by the Engineer Incharge. P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 84mm and leaf frame 60 mm x 106 12 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer incharge.	4x3-1/2x7	98	Sft
		1x2-1/2x7	18	Sft
		1x43-1/4x21-1/4	919	Sft
		1x6-3/8x5-1/4	33	"
		Net Total (919-33)	886	Sft
	d/d Providing and laying superb quality Porce lain glazed tiles flooring of MASTER brand of specified size in approved design ,Color 13 and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mmx 600 mm. Providing and laying superb quality Porce lain glazed tiles of Master br and, skirting / dado of specified size,Color and Shade with adhesive / bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints ,cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm	1x2x(43-1/4+21-1/4)x6	774	Sft
		2x6-3/8x6	77	"
		Total	851	Sft
		D/d 1x4x6	28	Sft
		1x2-1/2x6	15	"
		4x4x3-1/2	56	"
		Total	99	Sft
		Net Total (851-99)	752	Sft

15	Providing and laying superb quality Ceramic tile floors of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"x12"x24"/10"x24" /8"x24"/12"x36	28	Sft
16	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"x12"x24"/10"x24" /8"x24"/12"x36	149	Sft
	Bath	1x2x(6+4-5/8)x7	149
	d/d	1x2-1/2x7	18
		Net Total(149-18)	131
17	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Ship lap 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.		
18	Supply and Installation anti microbial Hygenic Flooring (With anti bacterial agent) conforming to (ISO : 22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (Epoxy)	720	Sft
		4x12x15	
	D/d	1x43-1/4x21-1/4	919.06
		1x6-3/8x4-5/8	30
		Net Total (919-30)	889
	P H Portion		
20	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of C/P rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	1	No
22	P/F C.P mixture valve for sink / basin.	1	No
23	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer Incharge.	1	No
24	Providing and fixing CP bath Room Set made of Sonex / Master/ Faisal comprising of 3No Tee stop cocks, lever type Basin Mixer, double Bib Cock, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer Incharge.	1	No
25	Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. Under Counter Vanity Basin	1	No
26	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	30	Rft
	4" Dia		
27	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary, 25mm dia.	35	Rft
28	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary, 32mm dia.	50	Rft
	E I Portion		
29	S/E of PVC pipe for wiring purpose 3/4" dia.	100	Rft
30	S/E of PVC pipe for wiring purpose 1" dia.	50	Rft
31	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe M.S conduit/G.I pipe wooden strip batten/wooden casing an capping /G.I wire trenches (rate for cable only) 3/0.74 mm (3/0.029")	500	Rft
B	-----do-----7/0.029	550	Rft
C	-----do-----7/0.044 twin core	200	Rft
32	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge 03 Gauge	5	No
33	S/E of 3pin 5 Amp wall socket.	12	No
34	S/E of button holder brass etc.	20	No
35	S/E of L E D Bulb 24 watt as approved by the Engineer Incharge.	20	No
	credit of old Metrial		
1	Bricks	4763	NOS
2	Bats	235	NOS
3	Door Un serviceable	7	NOS
4	Windows serviceable	1	NOS
	Sub Engineer		
	(Sub Divisional Officer)		
	Buildings Sub Division		
	Narowal		
	(Executive Engineer)		
	Buildings Division		
	Narowal		

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15
THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23**

ESTABLISHMENT CCU UNIT

S.#	Description	As per Approved Rough cost Estimate 2nd Bi 2021			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Dismantling of brick work in lime mortar	570	% Cft	4317.45	24604
2	Removing of door with chowkat.	5	Each	438	2190
3	Removing of windows & sky light.	1	Each	341.5	342
4	Dismantling glazed or encaustic tiles, etc.	774	% Sft	2335.85	18079
5	Dismantling of P.C.C 1:2:4	115	% Cft	11174.6	12838
6	P/L p cc 1:2:4 i/c surface finishing complete.	115	% Cft	38178.9	43861
7	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A, i/c 12 mm tinted TEMPERED glass with sand blasting and edge polishing i/c the cost of tear resistance film, rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)	553	P Sft	1320.8	730800
8	Extra for providing and fixing approved quality rim lock adjustable over the style surface.	3	Each	771.5	2315
9	Pacca brick work 1:4 in 2nd Floor	118	% Cft	37105.85	43762
10	Cement plaster (1:5) 1/2" thick up to 20 height.	1289	% Sft	3096.9	39919
11	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height-1/2" thick	910	% Sft	3791.8	34505
12	Providing and fixing 2"wide MS/ GI Chowkat singel/ double rebatema de of 16SWG MS sheet pressed / welded /supported with M.S.flat1 1/4"x18"i/c6"longM.S.Flat1"x18"hold fasts(6-Nos) welded /screwed ,punching of lock hole covered with MS Box,coating with antirustp antincludng filling with cement sand mortar (1:8)and embedding hold fastin cement concrete(1:2:4),complete in all respect as approved and directed by Engineer Incharge. 14" wide	35	P Sft	727	25454
13	P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges,Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge	35	P Sft	502	17577
14	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer Incharge.	35	P Sft	1950	68250
15	Providing and laying superb quality Porce lain glazed tiles flooring of MASTER brand of specified size in approved design ,Color and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mmx 600 mm.	919	P Sft	340.55	312987
16	Providing and laying superb quality Porce lain glazed tiles of Master br and, skirting / dado of specified size,Color and Shade with adhesive / bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints ,cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm	715	P Sft	340.55	243493
17	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	60	P Sft	240	9428
18	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge12"x18"/12"x24"/10"x24" /8"x24"/12"x36	273	P Sft	292.75	79921
19	Distempering one coat to old surface.	919	% Sft	561.30	5159
20	Preparing surface and painting with emulsion paint:-two coat complete. After scraping.	780	% Sft	2796.55	21813

S.#	Description	As per Approved Rough cost Estimate 2nd Bi 2021			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
P H Portion					
21	Providing and fitting glazed earthen ware water closet squatter type orisa pattern, excluding seat and cover with 'P' trap.	1	No	2742	2742
22	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection, flimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	1	No	19987	19987
23	Providing and fitting earthen ware low down flushing cistern 13.63 liters (3 gallons) capacity, including bracket set, copper connection, etc.	1	No	2649	2649
24	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer Incharge.	2	No	7600	15200.00
25	Providing and fixing CP bath Room Set made of Sonex / Master/ Faisal comprising of 3/4" Tee stop cocks, lever type Basin Mixer double Bib Cock, Muslim shower waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer Incharge.	2	No	14472	28944.00
26	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	2	No	7330	14660.00
27	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with PVC/UPVC pipes of B.S.S. with 'D' Class working pressure complete in all respects:- 4" dia.	150	Rft	757.95	113692.50
28	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary. 25mm dia.	150	Rft	66.5	9975.00
29	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary. 32mm dia.	70	Rft	106.9	7483.00
E I Portion					
30	S/E of PVC pipe for wiring purpose 3/4" dia.	150	Rft	81.7	12255.00
31	S/E of PVC pipe for wiring purpose 1" dia.	85	Rft	94.6	8041.00
32	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe M.S conduit/G.I pipe wooden strip batten/wooden casing an capping /G.I wire trenches (rate for cabel only) i) 3/0.74 mm (3/0.029")	650	Rft	25.75	16737.50
B	-----do----- 7/0.029	400	Rft	40.75	16300.00
C	-----do----- 7/0.044 twin core	100	Rft	160.2	16020.00
33	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of H-Life / Bush / Schender, screws complete as approved and directed by the Engineer Incharge 03 Gauge	7	No	742.5	5197.50
34	S/E of 3pin 5 Amp wall socket.	15	No	90.2	1353.00
35	S/E of button holder brass etc.	25	No	53.75	1343.75
36	S/E of L E D Bulb 24 watt as approved by the Engineer Incharge.	25	No	650	16250.00
	Total				2046126
credit of old Metrial					
1	Bricks	4617	%0No	8500	39245
2	Bats	228	P Cft	30	6840
3	Door Un serviceable	5	Each	1500	7500
4	Windows serviceable	1	Each	2000	2000
	Total				55585
	Net Total				1990542

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal(Executive Engineer)
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23

ESTABLISHMENT OF CCU WARD

1	Dismantling of brick work in lime mortar ward	1x21-1/4x3/4x12	191	Cft
	Single bed ward	1x14-7/8x3/4x12	134	"
	barth	2x6x3/8x12	54	"
	barth	1x21-1/4x3/4x12	191	"
		Total	570	Cft
2	Removing of door with chowkat.		5	No
3	Removing of windows & sky light..		1	No
4	Dismantling glazed or encaustic tiles, etc. ward side wall	1x2x(43-1/4+21-1/4)x6	774	"
		Total	774	Sft
5	Dismantling of p cc 1:2:4	1x43-1/4x21-1/4x1/8	115	Cft
6	P/L p cc 1:2:4 i/c surface finishing complete.			
	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED glass with sand blasting and edge polishing i/c the cost of tear resistance film, rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)	1x43-1/4x21-1/4x1/8	115	Cft
	H wall	1x8x12	70	Sft
		2x14-7/8x12	357	"
		1x10-1/2x12	126	"
		Total	553	Sft
8	Providing and fixing, approved quality mortice lock.		3	No
9	Pacca brick work 1:4 in 2nd Floor			
		2x5x3/8x12	45	Cft
		3x6-3/8x3/8x12	86	"
		Total	131	Cft
		d/d 2x2-1/2x3/8x7	13	"
		Net Total (131-13)	118	Cft
10	Cement plaster (1:5) 1/2" thick up to 20 height.			
	outer side of bath	1x2x(43-1/4+21-1/4)x7	910	Sft
	inner side of bath	2x2x(6+5)x5	220	"
		1x2x(6-3/8+5)x7	159	"
		Total	1289	Sft
11	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height.-1/2" thick			
	Providing and fixing 2"wide MS/ GI Chowkat singel/ double rebatema de of16SWG MS sheet pressed / welded /supported with M.S.flat(1-1/4"x1/8"i/c6"longM.S.Flat1"x1/8"hold fasts(6-Nos) welded ,punching of lock hole covered with MS Box,coating with antirustp airincludng filling with cement sand mortar (1:8)and embedding hold fastin cement concrete(1:2:4),complete in all respect as approved and directed by Engineer Incharge.5.5" wide	1x2x(43-1/4+21-1/4)x7	910	Sft
	P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges,Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.	1x5x7	35	Sft
13				
P/F	openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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.	1x5x7	35	Sft
14				
15	Providing and laying superb quality Porce lain glazed tiles flooring of MASTER brand of specified size in approved design ,Color and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm.	2x2-1/2x7	35	Sft
		1x43-1/4x21-1/4	919	Sft

16	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. 600mm x 600mm	1x2x(43-1/4+21-1/4)x6 d/d 1x5x6 2x5x3-1/2 Total Net Total (780-65)	780 30 35 65 715	Sft Sft Sft Sft Sft
17	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	2x5x6	60	Sft
18	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	2x2x(5+6)x7 2x2-1/2x7 1x43-1/4x21-1/4 1x2x(43-1/4+21-1/4)x6	308 308 35 273 919 780	Sft Sft Sft Sft Sft Sft
19	Distemping one coat to old surface.			
20	Preparing surface and painting with emulsion paint: two coat complete.			
P H Portion				
21	Providing and fitting glazed earthen ware water closet squatter type orisa pattern, excluding seat and cover with 'P' trap.		1	No
22	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.		1	No
23	Providing and fitting earthen ware low down flushing cistern 13.63 liters (3 gallons) capacity, including bracket set, copper connection, etc.		1	No
24	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.		2	No
25	Providing and fixing CP bath Room Set made of Sonex / Master/ Faisal comprising of 3No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.		2	No
26	Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. Under Counter Vanity Basin		2	No
27	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex / Popular/Beta or equivalent, plain / socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia		150	Rft
28	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary. 25mm dia.		150	Rft
29	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials for Bath rooms/ Levorotary. 32mm dia.		70	Rft
E I Portion				
30	S/E of PVC pipe for wiring purpose 3/4" dia.		150	Rft
31	S/E of PVC pipe for wiring purpose 1" dia.		85	Rft

Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe M.S conduit/G.I pipe wooden strip batten/wooden casing an capping /G.I wire trenches (rate for cabel only) i)			
32	3/0.74 mm (3/0.029")	650	Rft
B	-----do-----7/0.029	400	Rft
C	-----do-----7/0.044 twin core	100	Rft
33	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge 03 Gauge	7	No
34	S/E of 3pin 5 Amp wall socket.	15	No
35	S/E of button holder brass etc.	25	No
36	S/E of L E D Bulb 24 watt as approved by the Engineer incharge.	25	No
credit of old Metrial			
1	Bricks	4617	Nos
2	Bats	228	Nos
3	Door Un serviceable	5	Nos
4	Windows serviceable	1	Nos
Sub Engineer		(Sub Divisional Officer) Buildings Sub Division Narowal	
		(Executive Engineer) Buildings Division Narowal	

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO.660 FOR THE YEAR 2022-23

Revamping Of Gynae Ward (Ground Floor)

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022				
		Qty	Unit	Rate	Amount	
1	2	3	4	5	6	
1	Removing of door	11	Each	438.00	4818	
3	Dismantling of P.C.C 1:2:4	90	% Cft	11174.6	10099	
4	P/L p cc 1:2:4 i/c surface finishing complete.	90	% Cft	38178.9	34504	
5	Providing and laying superb quality Porce lain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge 600mmx 600 mm.	98	P Sft	340.55	33374	
6	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt /Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	2164	P Sft	292.75	633365	
B	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	628	P Sft	240.00	150750	
7	Distemping one coat to old surface.	7792	% Sft	561.30	43738	
8	Preparing surface and painting with emulsion paint:-two coat complete.	17184	% Sft	2796.55	480559	
9	Supply and installation anti microbial Hygenic Flooring (With anti bacterial agent) conforming to (ISO : 22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.(Epoxy)	903	P Sft	602	543606	
10	Supply and installation premium graded/ scratch resistant Hygienic anti microbial Hygenic anti- Microbial pvc wall cladding of specified thickness duly thermoplastic welded conforming to ISO 22196) and pasted over 12 mm thick gypsum board with adhesive / solvent fixed over 14 SWG G I Channel of size 3.5"x2x3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer Incharge.(2.5mm) Thick.	2040	P Sft	2250	4590000	
11	Supply And installation of clip in tile (0.6 mm-0.7 mm thick) non Porous aluminium false ceiling of specified size fitted with clip in suspension system hanged on concealed T/ shiplap edge / runners @ of 600 mm x 600 mm grid edge trims fasten on wall with plug & screw @ 500mm c/c cutting charge of tiles to required size suspension rod & joints sealed in silicon if required on Dampa /demark as approved by the Engineer Incharge	903	P Sft	602	543606	
12	P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.	49	P Sft	502.20	24608	
13	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting charges on approved & directed by the Engineer incharge.	158	P Sft	1950.00	307125	
15	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c , passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars	1116	P Sft	854.35	953455	
16	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.	40	P Rft	1260.00	50400	

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
17	Providing 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 elbows at ends, buffer belt as approved and directed by the Engineer Incharge	580	P Rft	650.00	377000
18	Petty repair to small rooms.	25	Each	558.95	13974
19	Petty repair to Main. rooms.	100	Each	1118.05	111805
20	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embedded in floor i/c the cost of Top pivot hinge, hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.	6	Each	5572.00	33432
	P H Portion				
21	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	9	Each	19987.90	179891.1
22	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	6	Each	7600.00	45600
23	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	6	Each	7330.00	43980
24	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore quivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	550	P Rft	66.50	36575
25	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore quivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	450	P Rft	106.90	48105
26	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	350	P Rft	260.60	91210
27	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever Type Basin Mixer,double Bib Cock,open wall shower,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	4	Each	14472.00	57888
30	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	9	Each	283.15	2548
				Total:-	9443466
	Cride of old Material				
1	door	11	Each	800.00	8800
				Total:-	8800
				G Total:-	9434666
	Say:-				9434666

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO.660
FOR THE YEAR 2022-23**

Revamping Of Gynae Ward

1	Removing of door (Washrooms)	11	No
3	Dismantling of P.C.C (1:2:4)		
	M.O	6	Cft
	Nursing	6	"
	Toilet block	28	"
	Lobby	20	"
	Gynem	4	"
	M.OToilet	10	"
	Toilet Portion	18	"
	Total:-	90	Cft

4	P/L plain cement concrete 1:2.4/c surface finishing complete.		
	M.O	6	Cft
	Nursing	6	"
	Toilet block	26	"
	Lobby	20	"
	Gynem	4	"
	M.OToilet	10	"
	Toilet Portion	18	"
	Total:-	90	Cft

Providing and laying superb quality Porce lain glazed tiles flooring of MASTER brand

- 5 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.600mmx 600 mm.

1x8x6	48	Sft
1x5x10	50	"
Total	98	Sft

- 6 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge.12"x18"/12"x24"/10"x24" /8"x24"/12"x36

toilet block	2x2x(10-1/4+10-1/4)x7	574	Sft
lobby	2x2x5x12	240	"
Gynem	1x2x(22-1/2+7-1/4)x5	298	"
MoToilet	1x2x(7+5)x12	288	"
toilet portion	2x2x(8+5)x12	624	"
	4x2x5x7	280	"
	Total	2304	Sft
d/d	8x2-1/2x7	140	Sft
	Net Total (2304-140)	2164	Sft

- B Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36

toilet block	2x10-1/4x10-1/4	210	Sft
lobby	1x22-1/2x7-1/4	163	"
Gynem	1x7x5	35	"
MoToilet	2x8x5	80	"
toilet portion	4x5x7	140	"
	Total	628	Sft

- 7 Distempering one coat to old surface.

	2x21-1/4x21-1/4	903	Sft
	1x12x10-1/4	123	"
store	1x14x10-1/4	144	"
delivery room	1x18-1/4x21-1/4	388	"
Gyneward	1x32-1/4x21-1/4	685	"
baby room	1x10-1/4x10-1/4	105	"

Labour room	1x23-3/4x21-1/4	505
	1x18-1/4x10-1/4	187
MCh Center	2x18-1/4x10-1/4	374
	1x15x10-7/8	163
store	1x16-1/2x10-1/4	169
Nursing	1x10-1/4x10-1/4	105
	1x10-1/4x10-1/4	105
Toilet M.O	1x21-1/4x21-1/4	451
	1x8x4-7/8	39
	1x8x5	40
	1x15x16-7/8	253
	2x10-1/4x10-1/4	210
Hall	1x32-1/4x32-1/4	1040
	1x52x10-1/4	533
Corider	1x40x10-1/4	410
Lobby	1x21-5/8x7-1/4	157
	3x16-1/2x10-1/4	507
	1x7x5	35
	1x7-5/8x5	38
	1x12x10-1/4	123
Total		7792

8 Preparing surface and painting with emulsion paint:two coat complete. After scraping.

	2x2x(21-1/4+21-1/4)x11-1/2	1955	Sft
	1x2x(12+10-1/4)x11-1/2	512	"
store	1x2x(14+10-1/4)x11-1/2	558	"
delivery room	1x2x(18-1/4+21-1/4)x11-1/2	909	"
Gymeward	1x2x(32-1/4+21-1/4)x11-1/2	1242	"
baby room	1x2x(10-1/4+10-1/4)x11-1/2	2415	"
Labour room	1x2x(23-3/4+21-1/4)x11-1/2	1035	"
	1x2x(18-1/4+10-1/4)x11-1/2	656	"
MCh Center	2x2x(18-1/4+10-1/4)x8	912	"
	1x2x(15+10-7/8)x8	414	"
store	1x2x(16-1/2+10-1/4)x11-1/2	615	"
Nursing	1x2x(10-1/4+10-1/4)x11-1/2	472	"
	1x2x(10-1/4+10-1/4)x11-1/2	472	"
Toilet M.O	1x2x(21-1/4+21-1/4)x11-1/2	978	"
	1x2x(8+4-7/8)x7	180	"
	1x2x(8+5)x7	182	"
	1x2x(15+16-7/8)x7	446	"
	2x2x(10-1/4+10-1/4)x7	574	"
Hall	1x2x(32-1/4+32-1/4)x8	1032	"
	1x2x(52+10-1/4)x8	996	"
Corider	1x2x(40+10-1/4)x8	804	"
Lobby	1x2x(21-5/8+7-1/4)x8	462	"
	3x2x(16-1/2+10-1/4)x8	1284	"
	1x2x(7+5)x7	182	"
	1x2x(7-5/8+5)x7	177	"
	1x2x(12+10-1/4)x7	312	"
Deduct openings 26x3.5x7		-637	
Total		17184	Sft

9 Supply and installation anti microbial Hygenic Flooring (With anti bacterial agent) conforming to (ISO : 22196) of sepcified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.(Epoxy)

O T	2x21-1/4x21-1/4	903	Sft
Total		903	Sft

Supply and installation premium graded/ scratch resistant Hygienic anti microbial Hygienic anti microbial pvc wall cladding of specified thickness duly thermoplastic welded conforming to ISO 22196) and pasted over 12 mm thick gypsum board with adhesive / solvent fixed over 14 SWG G I Channel of size 3.5"x2x3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer Incharge.(2.5mm) Thick.

O T	2x2x(21-1/4+21-1/4)x12	2040	Sft
		2040	Sft
		Total	Sft

11 Supply And installation of clip in tile (0.6 mm-0.7 mm thick) non Porous aluminium false ceiling of specified size fitted with clip in suspension system hanged on concealed T/ shiplap edge / runners @ of 600 mm x 600 mm grid edge trims fasten on wall with plug & screw @ 500mm c/c cutting charge of tiles to required size suspension rod & joints sealed in silicon if required on Dampa /demark as approved by the Engineer Incharge.

O T	2x21-1/4x21-1/4	Sft	903	Sft
			Total	903

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

2x3-1/2x7 49 Sft

P/F operable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer incharge.

9x2-1/2x7 158 5ft

15 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c, passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 3/8" Squar Bars

Diagnostic	25x6x6	900 Sft
	2x8x6	96 "
	20x3x2	120 "
	Total	1116 Sft

16 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.

8x5
40 Rft

Providing 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 elbows at ends,buffer belt as approved and directed by the Engineer Incharge

580 Rft	
580 Rft	
Total	

25 No	
25 No.	
Total	

	100 No	100 No	Total
100 No			

	6 No	6 No	Total
6 No			

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

22	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	6	No	
23	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	6	No	
24	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharies complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	550	Rft	
25	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharies complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	450	Rft	
26	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia.	350	Rft	
27	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,open wall shower,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	4	No	
30	Providing and fitting "P" trap-i) 10 cm (4") glazed.	9	No	
1	Cride of old Material door	11	NO	
<div> <div>Sub Engineer</div> <div>(Sub Divisional Officer) Buildings Sub Division Narowal</div> <div>(Executive Engineer) Buildings Division Narowal</div> </div>				

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK
OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB
ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR
2022-23**

ABSTRACT OF COST

1	Revamping of Radiology & Pathology Block (Ground Floor)	Rs.2633512/-
2	Revamping of Admin Block (First Floor)	Rs.2573162/-
		<hr/>
Total		Rs.5206674/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Narowal

Executive Engineer
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF
ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP
NO .660 FOR THE YEAR 2022-23**

Revamping of Radiology & Pathology Block (Ground Floor)						
S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022				
		Qty	Unit	Rate	Amount	
1	2	3	4	5	6	
1	Removing of door	16	Each	438.00	7008	
2	Dismantling of P.C.C 1:2:4	71	% Cft	11174.6	7934	
3	Distemping one coat to old surface.	5947	% Sft	561.30	33383	
4	Preparing surface Emulsion paint two coat to surface.	6639	% Sft	2796.55	185658	
6	1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges,Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.	123	P Sft	502.20	61520	
7	Providing and laying 3/4"thick full width Pre polished Marble slab for Vanities /Shelves/ Treads/ Window Cills ,having Uniform texture (Spotless) with adhesive bond over 3/4"thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respect as approved by the Engineer Incharge	378	P Sft	412.35	155868	
8	P/L p cc 1:2:4 i/c surface finishing complete.	71	% Cft	38178.9	27107	
9	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	560	P Sft	240.00	134400	
10	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	1986	P Sft	292.75	581402	
11	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 charges on approved & directed by the Engineer Incharge.	193	P Sft	1950.00	376350	
12	Repair of aluminum windows i/c replacement of damage parts and tinted glass gas kit rubber etc complete in all respects as approved by Engineer Incharge.	6	Each	7000.00	42000	
13	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars	558	P Sft	854.35	476727	
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	40	P Rft	1260.00	50400	
15	Providing 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 elbows at ends,buffer belt as approved and directed by the Engineer Incharge	234	P Rft	650.00	152100	
17	Providing and fixing almirah shutter comprising of 3/4"thick both side Laminated /Glossy MDF (Karachi) sheet with 1"x3/4"deodar wood gola all around the leaf/ixedon (3"x1") Kail wood frame i/c the cost of 1/2" full brassingings ,C.P. handles ,catchers ,screws, and rawal plugs,polishing / painting 3coat to gola & frame i/c the cost of locking arrang ement complete in all respect as approved and directed by Engineer Incharge.	27	P Sft	431	11646.45	
	P H Portion					
18	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	Each	19887.90	79851.6	
19	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer Incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	7	Each	7600.00	53200	
20	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") Including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	5	Each	7330.00	36650	

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
21	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code /c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	300	P Rft	66.50	19950
22	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code /c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	300	P Rft	106.90	32070
23	Providing and fixing chromium plated bib cock:	12	Each	775.00	9300
24	Providing and fixing chromium plated tee Stop cock:	14	Each	955.00	13370
25	Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasil waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia	100	P Rft	260.60	26060
26	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	5	Each	14472.00	72360
28	Providing and fitting glazed earthen ware water closet,squatter type (Orisa pattern), combined with foot rest.) coloured	5	Each	2458.35	12291.75
29	Providing and fitting "P" trap-i) 10 cm (4") glazed.	9	Each	283.15	2548
				Total:-	2646312
1	Cride of old Material door	16	Each	800.00	12800
				Total:-	12800
					2633512

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15
THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-
2323**

Revamping of Radiology & Pathology Block (Ground Floor)

1	Removing of door (Washroom)	16	No	
2	Dismantling of P.C.C (1:2:4) bath	48	Cft	
	2x11x17-1/4x1/8	4	"	
	1x5x6x1/8	8	"	
	1x10x6x1/8	11	"	
	1x15x6x1/8	71	Cft	
	Total:-			
3	Distemping one coat to old surface.	1358.4	Sft	
	Blood Bank	102	"	
	Lobby	194	"	
	Path	401	"	
	lab	401	"	
	Waiting	50	"	
	1x10x5	125	"	
	Cooridor	380	"	
	Lav bath	372	"	
	Store	802	"	
	4x11-1/4x8-1/4	194	"	
	2x23-1/4x17-1/4	401	"	
	1x11-1/4x17-1/4	814	"	
	1x23-1/4x17-1/4	352.97	"	
	1x72-3/8x11-1/4	5947	Sft	
	1x31-3/8x11-1/4			
	Total			
4	Preparing surface and painting with emulsion paint:-two coat complete after scraping	399	Sft	
	6x2(11-1/4+17-1/4)x7	298	"	
	1x2(14+7-1/4)x7	399	"	
	1x2(11-1/4+17-1/4)x7	567	"	
	1x2(23-1/4+17-1/4)x7	809	"	
	2x2(11-5/8+17-1/4)x7	210	"	
	1x2(10+5)x4	343	"	
	1x2(17-1/4+7-1/4)x7	565	"	
	2x2(11+17-1/4)x7	546	"	
	2x2(11-1/4+8-1/4)x7	399	"	
	1x2x(11-1/4+17-1/4)x7	567	"	
	1x2x(23-1/4+17-1/4)x7	1170.8	"	
	1x2x(72-3/8+11-1/4)x7	597	"	
	1x2x(31-3/8+11-1/4)x7	-231	"	
	22x3.5x3	6639	Sft	
	Total			
5	P/F1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges.Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.	123	Sft	
	5x3-1/2x7	123	Sft	
	Total			
6	Providing and laying 3/4"thick full width Pre polished Marble slab for Vanities /Shelves/ Treads/ Window Cills ,having Uniform texture (Spotless) with adhesive bond over 3/4"thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respect as approved by the Engineer Incharge	116	Sft	
	Waiting Area	162	Sft	
	2x(11-5/8+17-1/4)x2	40	Sft	
	1x2(23-1/4+17-1/4)x2	60	Sft	
	8x5x1	378	Sft	
	3x20x1			
	Total			
7	satir step ent step	47	Cft	
	P/L of P.C.C (1:2:4)	4	"	
	2x11x17-1/4x1/8	8	"	
	1x5x6x1/8	11	"	
	1x10x6x1/8	71	Cft	
	1x15x6x1/8			
	Total:-			

Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36

2x11x17-1/4	380	Sft
1x5x6	30	"
1x10x6	60	"
1x15x6	90	"
Total	560	Sft

Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36

Bath	791	Sft
Extra bath	189	"
2x2(11+17-1/4)x7	396	"
3x2x4-1/2x7	140	"
1x2x(11+17-1/4)x7	98	"
2x2x5x7	100	"
1x2x7x7	123	"
1x2x(7-1/8)x7	70	"
1x2x8-3/4x7	154	"
1x(4+6)x7	50	"
1x2x(5+6)x7	75	"
1x10x5	Total	2186 Sft
1x15x5	158	Sft
	42	Sft
	Total	200 Sft
D/d		Net Total (2186-200) 1986 Sft
9x2-1/2x7		
2x3x7		

P/F operable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer incharge.

2x5x2-1/2x7	175	Sft
1x2-1/2x7	18	"
Total	193	Sft

Repair of aluminum windows i/c replacement of damage parts and tinted glass gas kit rubber etc complete in all respect as approved by Engineer Incharge.

	6	NO
Total	6	NO

Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars

	432	Sft
12x6x6	48	"
1x8x6	78	"
13x2x2	Total	558 Sft

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

8x5	40	Rft
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Providing 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 elbows at ends, buffer belt as approved and directed by the Engineer Incharge

2x117	234	Rft
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Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated (Glossy MDF (Karachi) sheet with 1"x3/4" deodar wood gola all around the leaf/section (3"x1") Nail wood frame i/c the cost of 1/2" full brass hinges, C.P. handles, catchers, screws, and rawal plugs, polishing / painting 3coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge.

1x12x2-1/4	27	Sft
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P H Portion

1	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) /lc the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	No
2	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass /lc the cost of hardware etc complete in all respect as approved and directed by the Engineer Incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	7	No
3	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	5	No
4	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code /lc cost of solvent specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	300	Rft
5	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code /lc cost of solvent specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	300	Rft
6	Providing and fixing chromium plated bib cock:	12	No
7	Providing and fixing chromium plated tee Stop cock:	14	No
8	Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia.	100	Rft
9	Providing and fixing CP Double Bib Cock	5	No
11	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.) coloured	5	No
	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	9	No
1	Cride of old Material door	16	No
Sub Engineer		(Sub Divisional Officer) Buildings Sub Division Narowal	(Executive Engineer) Buildings Division Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660**

Revamping of Admin Block (First Floor)

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Removing of door	14	Each	438.00	6132
2	Dismantling of P.C.C 1:2:4	57	% Cft	11174.6	6370
3	Distemping one coat to old surface.	5519	% Sft	561.30	30978
4	Preparing surface Emulsion paint two coat to surface.	8934	% Sft	2796.55	249844
5	1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodlin style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	25	P Sft	502.20	12304
6	P/L p cc 1:2:4 i/c surface finishing complete.	57	% Cft	38178.9	21762
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"12"x24"10"x24" 8"x24"12"x36	450	P Sft	240.00	108000
8	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"12"x24"10"x24" 8"x24"12"x36	1983	P Sft	292.75	580377
9	Repair of aluminum windows i/c replacement of damage parts and tinted glass gas kit rubber etc complete in all respect as approved by Engineer Incharge.	10	P Sft	7000.00	70000
10	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c, passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS Patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars	558	P Sft	854.35	476727
11	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer incharge.	228	P Sft	1950.00	443625
12	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	40	P Rft	1260.00	50400
13	Providing 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 alows at ends, buffer bell, as approved and directed by the Engineer Incharge	305	P Rft	650.00	198900
14	Providing and fixing almirah shutter comprising of 3/4" thick both side Laminated /Glossy MDF (Karachi) sheet with 1"x3/4" deodar wood gola all around the leaf/fixtion (3"x1") Kail wood frame i/c the cost of 1/2" full brasshinges C.P. handles, catchers, screws, and rawal plugs, polishing / painting 3coat to gola & frame i/c the cost of locking arrang ement complete in all respect as approved and directed by Engineer Incharge.	16	P Sft	431	6901.6
	P H Portion				
15	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	Each	19987.90	79951.6
16	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer Incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	5	Each	7600.00	38000
17	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. Under Counter Vanity Basin	8	Each	7330.00	58640
18	Providing, laying, testing and commissioning of POLY PROPYLENERAN DOMICO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/ External Diameters mentioned). b) PN-20 pipe ii) (3/4") 25 mm	150	P Rft	66.50	9975
19	Providing, laying, testing and commissioning of POLY PROPYLENERAN DOMICO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/ External Diameters mentioned). b) PN-20 pipe ii) (1") 32 mm	200	P Rft	106.90	21380

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
20	Providing and fixing chromium plated bib cock:	12	Each	775.00	9300
21	Providing and fixing chromium plated tee Stop cock:	15	Each	955.00	14325
22	Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	50	P Rft	260.60	13030
23	Providing and fixing CP bath Room Set made of Soneax/ Falsal comprising of 3-No Tee stop cocks ,lever type Basin Mixer double Bib Cock, Muslim shower,waste coupling and bottle trap etc complete in all respect as approved and directed by the Engineer incharge. iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set ii) Lever Type Basin Mixer iii) Double Bib Cock	5	Each	14472.00	72360
24	Providing and fitting glazed earthen ware water closet squatter type (Orisa pattern), combined with foot rest.) coloured	6	Each	2458.35	14750.1
25	Providing and fitting "P" trap.-i) 10 cm (4") glazed.	10	Each	283.15	2832
				Total:-	2584362
	Cride of old Meterial				
1	door	14	Each	800.00	11200
				Total:-	11200
					2573162

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF
ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO
.860 FOR THE YEAR 2022-2323**

Revamping of Admin Block (First Floor)

1	Removing of door		14	No	
2	Dismantling of P.C.C (1:2:4)	bath	48	Cft	
			9	"	
			Total:-	57	Cft
3	Distempering one coat to old surface.		198	Sft	
	Office Superintendent		83	"	
	Kitchen	2x11x17-1/4x1/8	70	"	
	Bath	2x7x5x1/8			
	Committee Room	1x11-1/2x17-1/4	552	"	
	Establishment Branch	1x7x11-7/8	332	"	
	Lobby	2x7x5	189	"	
	Lav bath	1x32x17-1/4	380	"	
	N S & Budget Account	1x19-1/4x17-1/4	388	"	
	Store & Account Branch	2x13x7-1/4	802	"	
	Waiting Area	2x11x17-1/4	194	"	
	Retraining Room	2x11-1/4x17-1/4	201	"	
	M S Office	1x11-1/4x17-1/4	311	"	
	Stenographer CO Room	1x11-5/8x17-1/4	115	"	
	Waiting Area	1x18x17-1/4	81	"	
	Corridor	1x11-1/2x10	1429	"	
		1x11-1/2x7	Total	5519	Sft
		1x127x11-1/4			
4	Preparing surface and painting with emulsion paint-two coat complete after scraping		403	Sft	
	Office Superintendent	1x2x(11-1/2+17-1/4)x7	264	"	
	Kitchen	1x2x(7+11-7/8)x7	240	"	
	Bath	2x2x(7+5)x5	690	"	
	Committee Room	1x2x(32+17-1/4)x7	511	"	
	Establishment Branch	1x2x(19-1/4+17-1/4)x7	284	"	
	Lobby	2x2x(13+7-1/4)x7	565	"	
	Lav bath	2x2x(11+17-1/4)x5	798	"	
	N S & Budget Account	2x2x(11-1/4+17-1/4)x7	1134	"	
	Store & Account Branch	2x2x(23-1/4+17-1/4)x7	399	"	
	Waiting Area	1x2x(11-1/4+17-1/4)x7	399	"	
	Retraining Room	1x2x(11-1/4+17-1/4)x7	404	"	
	M S Office	1x2x(11-5/8+17-1/4)x7	494	"	
	Stenographer CO Room	1x2x(18+17-1/4)x7	301	"	
	Waiting Area	1x2x(11-1/2+10)x7	259	"	
	Corridor	1x2x(11-1/2+7)x7	1936	"	
	Deductions	1x2x(127+11-1/4)x7	-147		
		21x3-1/2x2	Total	8934	Sft
5	P/F-1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges,Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.		25	Sft	
		1x3-1/2x7	Total	25	Sft
6	P/L of P.C.C (1:2:4)	bath	48	Cft	
			9	"	
			Total:-	57	Cft
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36		380	Sft	
		2x11x17-1/4x1/8	70	"	
		2x7x5x1/8	Total	450	Sft
8	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge12"x18"/12"x24"/10"x24"/8"x24"/12"x36		791	Sft	
	Bath	2x2(11+17-1/4)x7	189	"	
	Extra bath	3x2x4-1/2x7	396	"	
		1x2x(11+17-1/4)x7	140	"	
		2x2x5x7	98	"	
		1x2x7x7	100	"	
		1x2x(7-1/8)x7			

1x2x8-3/4x7	123	"
1x(4+6)x7	70	"
2x2x(7+5)x7	336	"
1x10x5	50	"
1x15x5	75	"
Total	2368	Sft
D/d	385	Sft
22x2-1/2x7	385	Sft
Total	385	Sft
Net Total (2368-210)	1983	Sft

- 9 Repair of aluminum windows i/c replacement of damage parts and tinted glass gas kit rubber etc complete in all respect as approved by Engineer Incharge.

	10	No
Total	10	No

- 10 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars

12x6x6	432	Sft
1x8x6	48	"
13x2x2	78	"
Total	558	Sft

CW

- 11 P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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.

2x5x2-1/2x7	175	Sft
3x2-1/2x7	53	"
Total	228	Sft

- 12 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

8x5	40	Rft
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- 13 Providing 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 elbows at ends,buffer belt as approved and directed by the Engineer Incharge

2x127	254	Sft
2x2x13	52	Sft
Total	306	Sft

- 14 Providing and fixing almirah shutter comprising of 3/4"thick both side Laminated /Glossy MDF (Karachi) sheet with 1"x3/4"decor wood gola all around the leaf/exion (3"x1") Kail wood frame i/c the cost of 1/2" full brasshinges ,C.P. handles ,catchers ,screws, and rawal plugs,polishing / painting 3coat to gola & frame i/c the cost of locking arrangement complete in all respect as approved and directed by Engineer Incharge.

1x7x2-1/4	16	Sft
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P H Portion

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

	4	No
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- 16 Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer Incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic towel rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring

	5	No
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- 17 Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin

	8	No
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- 18 Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressuraterating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharies complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm

	150	Rft
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- 19 Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressuraterating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharies complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm

	200	Rft
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- 20 Providing and fixing chromium plated bib cock:

	12	No
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- 21 Providing and fixing chromium plated tee Stop cock:

	15	No
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- 22 Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikas/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.

	50	Rft
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4" Dia.

23	Providing and fixing CP Double Bib Cock	5	No	
24	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest, coloured	6	No	
25	Providing and fitting "P" trap-i) 10 cm (4") glazed.	10	No	
26	Cride of old Material door	14	No	
Sub Engineer				(Sub Divisional Officer) Buildings Sub Division Narowal
				(Executive Engineer) Buildings Division Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK
OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB
ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE
YEAR 2022-23**

ABSTRACT OF COST

1	Revamping of OPD Ground Floor	Rs.5621640/-
2	Revamping of OPD First Floor	Rs.5465772/-
Total		Rs.11087411/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Narowal

Executive Engineer
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ

Revamping of OPD Ground Floor

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Removing of door	28	Each	438.00	12284
2	Removing of windows	3	Each	341.50	1024.5
3	Dismantling of P.C.C 1:2:4	151	% Cft	11174.6	16874
4	Distemping one coat to old surface.	6623	% Sft	561.30	37175
5	Preparing surface Emulsion paint two coat to old surface.after scraping	13892	% Sft	2796.55	388497
6	P/L p cc.1:2:4 i/c surface finishing complete.	151	% Cft	38178.9	57650
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36	1148	P Sft	240.00	275520
8	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24"/8"x24"/12"x36	4399	P Sft	292.75	1287807
9	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	100	P Rft	1260.00	126000
10	Providing 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 elbows at ends,buffer belt as approved and directed by the Engineer Incharge	326	P Rft	650.00	211900
11	Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.	6	Each	7000	42000
12	P/F All type of glazed aluminium window of anodized bronzoze colour partly fixed & partly sliding using deluxe section of Pakistan cables or equipment approved firm having frame of size 100mmx30mm and leaf frame section size 45mmx25mm / 45mmx35mm all of 1.6mm thickness i/c 5mm thick tinted glass with rubber gasket using approved standard latch, hardware i/c using imported brushes for dust proofing & imported roller, complete in all respect as approved by the Engineer incharge.	108	P Sft	1348.40	145627
13	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars	1092	P Sft	854.35	932950
14	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 mm both duly reinforced with GI 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.	350	P Sft	1950.00	682500

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
15	1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges,Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.	196	P Sft	502.20	98431.2
16	Providing and laying 3/4"thick full width Pre polished Marble slab for Vanities /Shelves/ Treads/ Window Cills ,having Uniform texture (Spotless) with adhesive bond over 3/4"thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respect as approved by the Engineer Incharge	378	P Sft	412.35	155868
	<u>P H Portion</u>				
17	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	7	Each	19987.90	139915.3
18	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer Incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	14	Each	7600.00	106400
19	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	14	Each	7330.00	102620
20	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	950	P Rft	66.50	63175
21	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	800	P Rft	106.90	85520
22	Providing and fixing chromium plated bib cock:	35	Each	775.00	27125
23	Providing and fixing chromium plated tee Stop cock:	30	Each	955.00	28650
24	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia.	650	P Rft	757.95	492667.5
25	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer Incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	4	Each	14472.00	57888

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
26	Providing / fixing Electric water heater (Geyser) comprising of tank of 14SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4"thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.ii) 20 Gal capacity	2	Each	19567.80	39135.6
27	Providing and fitting glazed earthen ware water closet,squatter type (Orisa pattern), combined with foot rest.) coloured	11	Each	2458.35	27041.85
28	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	17	Each	283.15	4813.55
				Total:-	5647040
	Cride of old Material				
1	door	28	Each	800.00	22400
2	Windows	3	Each	1000.00	3000
				Total:-	25400
					5621640
	Say:-				5621640

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR
THE YEAR 2022-23**

Revamping of OPD Ground Floor

1	Removing of door		28	No	
2	Removing of windows		3	No	
3	Dismantling of P.C.C (1:2:4)	bath	48	Cft	
		2x11x17-1/4x1/8	19	"	
		1x15x10x1/8	9	"	
		1x12x6x1/8	11	"	
		1x10x9x1/8	11	"	
		1x12x7x1/8	9	"	
		1x9x8x1/8	6	"	
		1x12x4x1/8	38	"	
		10x5x6x1/8	151	Cft	
4	Distempering one coat to old surface.				
	Dental surgon	1x18-7/8x17-1/4	326	Sft	
	Bath	2x5x6	60	"	
		2x5x10	100	"	
	M.O	1x16-1/8x17-1/4	278	"	
	Toilet Block	1x11x17-1/4	190	"	
	Lobby	1x14x7-1/4	102	"	
	Cordillozicist	1x16-1/8x17-1/4	278	"	
	Bath	2x5x6	60	"	
		2x10x5	100	"	
	Surgeon	1x18-7/8x17-1/4	326	"	
	Physical	1x18-7/8x17-1/4	226	"	
	Bath	2x5x6	60	"	
		2x10x5	100	"	
	M.O	1x16-1/8x17-1/4	278	"	
	Dental surgon	1x18-7/8x17-1/4	326	"	
	Bath	2x5x6	60	"	
		2x10x5	100	"	
		1x16-1/8x17-1/4	278	"	
	Lav. Block	1x11x17-1/4	190	"	
	Female Waiting	2x11-5/8x17-1/4	401	"	
		1x10x17-1/4	173	"	
	Physical other	1x18-7/8x17-1/4	326	"	
	OPD Step	1x16-7/8x17-1/4	291	"	
		2x5x6	60	"	
		2x10x5	100	"	
	Coortdoor	1x163x11-1/4	1834	"	
			Total	6623	Sft
5	Preparing surface Emulsion paint two coat to old surface after scraping				
		1x2(18-7/18+17-1/4)x7	506	Sft	
		2x2(5+6)x5	220	"	
		2x2(5+10)x7	420	"	
	M.O	1x2(16-1/8+17-1/4)x7	467	"	
		1x2(14+7-1/4)x7	298	"	
		1x2(16-1/8+17-1/4)x7	467	"	
		2x(5+6)x5	150	"	
		2x2(10+5)x7	420	"	
		2x2(18-7/8+17-1/4)x7	1012	"	
		2x2(5+6)x5	220	"	
		2x2(10+5)x7	420	"	
	M.O	1x2(16-1/8+7-1/4)x7	327	"	
		1x2(18-7/8+17-1/4)x7	506	"	
		2x2(5+6)x5	220	"	
		2x2(5+6)x5	67	"	
		1x2(16-1/8+17-1/4)x7	36	"	
		1x2(11+17-1/4)x7	396	"	
		2x2(11-5/8+17-1/4)x7	809	"	
		7x2(10+19-1/4)x7	2867	"	
		1x2(18-7/8+17-1/4)x7	506	"	
		1x2(16-7/8+17-1/4)x7	478	"	

2x2(5+6)x5	220	"
2x2(10+5)x7	420	"
1x2(163+11-1/4)x7	2440	"
Total	13892	Sft

Corridor

6 P/L P C C 1:2:4 ratio i/c surface finishing.

Bath		
2x11x17-1/4x1/8	48	Cft
1x15x10x1/8	19	"
1x12x6x1/8	9	"
1x10x9x1/8	11	"
1x12x7x1/8	11	"
1x9x8x1/8	9	"
1x12x4x1/8	6	"
10x5x6x1/8	38	"
Total:-	151	Cft

Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge

7 12"x18"x12"x24"/10"x24"/8"x24"/12"x36

Bath		
2x11x17-1/4	380	Sft
1x15x10	150	"
1x12x6	72	"
1x10x9	90	"
1x12x7	84	"
1x9x8	72	"
10x5x6	300	"
Total	1148	Sft

Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge

8 12"x18"x12"x24"/10"x24"/8"x24"/12"x36

Bath		
2x2(11+17-1/4)x7	791	Sft
3x2x4-1/2x7	189	"
1x2x(11+17-1/4)x7	396	"
2x2x5x7	140	"
1x2x7x7	98	"
1x2x(7-1/8)x7	100	"
1x2x8-3/4x7	123	"
1x(4+6)x7	70	"
1x2(12+6)x5	180	"
1x2(12+7)x5	190	"
1x2(10+9)x5	170	"
1x2(12+7)x5	190	"
1x2(9+8)x5	170	"
5x4-1/2x7	158	"
3x5x7	105	"
10x2(5+6)x7	1540	"
1x2x(6+4)x7	140	"
Total	4749	Sft
d/d	350	"
Net Total(4749-350)	4399	Sft

9 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

20x5	100	Rft
Total	100	Rft

10 Providing 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

2x163	326	Rft
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11 Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer Incharge.

24	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	650	Rft
25	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set ii) Lever Type Basin Mixer iii) Double Bib Cock	4	No
26	Providing / fixing Electric water heater (Geyser) comprising of tank of 14SWG ,GI sheet and external cover of 22 SWG MS sheet ,insulated with 4"thick high density glass wool ,imported thermostat i/c electric rod ,safety valve (Ambasad or / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.ii) 20 Gal capacity	2	No
27	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.) coloured	11	No
28	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	17	No
1	Cride of old Material door	28	NO
2	windows	3	NO
Sub Engineer		(Sub Divisional Officer) Buildings Sub Division Narowal	(Executive Engineer) Buildings Division Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL

Revamping of OPD First Floor

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Removing of door	28	Each	438.00	12264
2	Removing of windows	3	Each	341.50	1024.5
3	Dismantling of P.C.C 1:2:4	151	% Cft	11174.6	16874
4	Distemping one coat to old surface.	6623	% Sft	561.30	37175
5	Preparing surface Emulsion paint two coat to old surface.after scraping	13892	% Sft	2796.55	388497
6	P/L p cc 1:2:4 i/c surface finishing complete.	151	% Cft	38178.9	57650
7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	1148	P Sft	240.00	275520
8	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge12"x18"/12"x24"/10"x24" /8"x24"/12"x36	4399	P Sft	292.75	1287807
9	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	100	P Rft	1260.00	126000
10	Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminium channel fixed on wall bracket and screws c/c the cost of elbows at ends,buffer belt as approved and directed by the Engineer Incharge	326	P Rft	650.00	211900
11	Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.	6	Each	7000	42000
12	P/F All type of glazed aluminium window of anodized bronzoze colour partly fixed & partly sliding using deluxe section of Pakistan cables or equipment approved firm having frame of size 100mmx30mm and leaf frame section size 45mmx25mm / 45mmx35mm all of 1.6mm thickness i/c 5mm thick tinted glass with rubber gasket using approved standard latch, hardware i/c using imported brushes for dust proofing & imported roller, complete in all respect as approved by the Engineer incharge.	108	P Sft	1348.40	145627
13	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars	1092	P Sft	854.35	932950
14	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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.	350	P Sft	1950.00	682500

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
15	1-1/2" thick solid flush door comprising of 2.5mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1"thick packing woodin style and rails under proper pressure i/c the cost of nails, tower bolt, handles,glue,sawing charges,Painting charges,sand papering and 3/8"thick matching wooden lipping as approved and directed by the Engineer Incharge.	196	P Sft	502.20	98431.2
	PH Portion				
16	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	7	Each	19987.90	139915.3
17	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	14	Each	7600.00	106400
18	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	14	Each	7330.00	102620
19	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	950	P Rft	66.50	63175
20	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	800	P Rft	106.90	85520
21	Providing and fixing chromium plated bib cock:	35	Each	775.00	27125
22	Providing and fixing chromium plated tee Stop cock:	30	Each	955.00	28650
25	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia.	650	P Rft	757.95	492668
24	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	4	Each	14472.00	57888
25	Providing / fixing Electric water heater (Geyser) comprising of tank of 14SWG ,GI sheet and external cover of 22 SWG MS sheet ,insulated with 4"thick high density glass wool ,imported thermostat i/c electric rod ,safety valve (Ambasad or / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.ii) 20 Gal capacity	2	Each	19567.80	39135.6
26	Providing and fitting glazed earthen ware water closet,squatter type (Orisa pattern), combined with foot rest.) coloured	11	Each	2458.35	27041.85
27	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	17	Each	283.15	4813.55
	Crite of old Material			Total:-	5491172

S.#		Amended Rough Cost Estimate 2nd BI 2022			
Description		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	door	28	Each	800.00	22400
2	Windows	3	Each	1000.00	3000
				Total:-	25400
					5465772
Say:-					5465772

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR
THE YEAR 2022-23**

Revamping of OPD First Floor

1	Removing of door		28	No	
2	Removing of windows		3	No	
3	Dismantling of P.C.C (1:2:4)	bath			
		2x11x17-1/4x1/8	48	Cft	
		1x15x10x1/8	19	"	
		1x12x6x1/8	9	"	
		1x10x9x1/8	11	"	
		1x12x7x1/8	11	"	
		1x9x8x1/8	9	"	
		1x12x4x1/8	6	"	
		10x5x6x1/8	38	"	
		Total:-	151	Cft	
4	Disterpering one coat to old surface.				
	Dental surgon	1x18-7/8x17-1/4	326	Sft	
	Bath	2x5x6	60	"	
		2x5x10	100	"	
	M.O	1x16-1/8x17-1/4	278	"	
	Toilet Block	1x11x17-1/4	190	"	
	Lobby	1x14x7-1/4	102	"	
	Cordilozcist	1x16-1/8x17-1/4	278	"	
	Bath	2x5x6	60	"	
		2x10x5	100	"	
	Surgeon	1x18-7/8x17-1/4	326	"	
	Physical	1x18-7/8x17-1/4	226	"	
	Bath	2x5x6	60	"	
		2x10x5	100	"	
	M.O	1x16-1/8x17-1/4	278	"	
	Dental surgon	1x18-7/8x17-1/4	326	"	
	Bath	2x5x6	60	"	
		2x10x5	100	"	
	Lav. Block	1x16-1/8x17-1/4	278	"	
	Female Waiting	1x11x17-1/4	190	"	
		2x11-5/8x17-1/4	401	"	
		1x10x17-1/4	173	"	
	Physical other	1x18-7/8x17-1/4	326	"	
	OPD Step	1x16-7/8x17-1/4	291	"	
		2x5x6	60	"	
		2x10x5	100	"	
	Cooridoor	1x163x11-1/4	1834	"	
		Total	6623	Sft	
5	Preparing surface Emusion paint two coat to old surface after scraping	1x2(18-7/18+17-1/4)x7	506	Sft	
		2x2(5+6)x5	220	"	
		2x2(5+10)x7	420	"	
	M.O	1x2(16-1/8+17-1/4)x7	467	"	
		1x2(14+7-1/4)x7	298	"	
		1x2(16-1/8+17-1/4)x7	467	"	
		2x(5+6)x5	150	"	
		2x2(10+5)x7	420	"	
		2x2(18-7/8+17-1/4)x7	1012	"	
		2x2(5+6)x5	220	"	
	M.O	2x2(10+5)x7	420	"	
		1x2(16-1/8+7-1/4)x7	327	"	
		1x2(18-7/8+17-1/4)x7	506	"	
		2x2(5+6)x5	220	"	
		2x2(5+6)x5	67	"	
		1x2(16-1/8+17-1/4)x7	36	"	
		1x2(11+17-1/4)x7	396	"	
		2x2(11-5/8+17-1/4)x7	809	"	
		7x2(10+19-1/4)x7	2867	"	
		1x2(18-7/8+17-1/4)x7	506	"	
		1x2(16-7/8+17-1/4)x7	478	"	

Corrido	2x2(5+6)x5	220	"
	2x2(10+5)x7	420	"
	1x2(163+11-1/4)x7	2440	"
	Total	13892	Sft

- 6 P/L P C C 1:2:4 ratio i/c surface finishing.
Bath

2x11x17-1/4x1/8	48	Cft
1x15x10x1/8	19	"
1x12x6x1/8	9	"
1x10x9x1/8	11	"
1x12x7x1/8	11	"
1x9x8x1/8	9	"
1x12x4x1/8	6	"
10x5x6x1/8	38	"
Total:-	151	Cft

- 7 Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"12"x24"10"x24" 18"x24"12"x36

Bath	2x11x17-1/4	380	Sft
	1x15x10	150	"
	1x12x6	72	"
	1x10x9	90	"
	1x12x7	84	"
	1x9x8	72	"
Bath	10x5x6	300	"
	Total	1148	Sft

- 8 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"12"x24"10"x24" 18"x24"12"x36

Bath	2x2(11+17-1/4)x7	791	Sft
Extra bath	3x2x4-1/2x7	189	"
	1x2x(11+17-1/4)x7	396	"
	2x2x5x7	140	"
	1x2x7x7	98	"
	1x2x(7-1/8)x7	100	"
	1x2x8-3/4x7	123	"
	1x(4+6)x7	70	"
	1x2(12+6)x5	180	"
	1x2(12+7)x5	190	"
	1x2(10+9)x5	170	"
	1x2(12+7)x5	190	"
	1x2(9+8)x5	170	"
	5x4-1/2x7	158	"
	3x5x7	105	"
Bath	10x2(5+6)x7	1540	"
	1x2x(6+4)x7	140	"
		Total	4749
		Sft	350
d/d	20x2-1/2x7	4399	Sft
		Net Total(4749-350)	4399

- 9 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

20x5	100	Rft
Total	100	Rft

- 10 Providing 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

2x163	326	Rft
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- 11 Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.

12	P/F All type of glazed aluminium window of anodized bronze colour partly fixed & partly sliding using deluxe section of Pakistan cables or equipment approved firm having frame of size 100mmx30mm and leaf frame section size 45mmx25mm / 45mmx35mm all of 1.6mm thickness i/c 5mm thick tinted glass with rubber gasket using approved standard latch, hardware i/c using imported brushes for dust proofing & imported roller, complete in all respect as approved by the Engineer Incharge.					6 6	NO NO
						Total	
		W	3x6x6			108 108	Sft Sft
						Total	
13	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars					936 96 60	Sft " "
		CW	26x6x6 2x8x6 10x2x3			Total	1092 Sft
14	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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.					350 350	Sft Sft
			20x2-1/2x7			Total	
15	P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Deodar /Ash/ Oak ply with grooves, compressed over 2.5mm thick commercial ply over 1" thick packing woodlin style and rail under proper pressure i/c the cost of nails ,lower bolt ,handles ,glue ,sawing charge sand lacquer 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.					196 196	Sft Sft
			8x3-1/2x7			Total	
16	P H Portion Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.					7	No
17	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer Incharge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring					14	No
18	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. Under Counter Vanity Basin					14	No
19	Providing, laying, testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). b) PN-20 pipe ii) (3/4") 25 mm					950	Rft
20	Providing, laying, testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurating PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). b) PN-20 pipe ii) (1") 32 mm					800	Rft
21	Providing and fixing chromium plated bib cock:					35	No
22	Providing and fixing chromium plated tee Stop cock:					30	No
23	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex/Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" Dia.					650	Rft

24	Providing and fixing CP bath Room Set made of Sorex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	4	No
25	Providing / fixing Electric water heater (Geyser) comprising of tank of 14SWG ,GI sheet and external cover of 22 SWG MS sheet ,insulated with 4"thick high density glass wool ,imported thermostat i/c electric rod ,safety valve (Ambassad or / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.ii) 20 Gal capacity	2	No
26	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.) coloured	11	No
27	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	17	No
1	Cride of old Meterial	28	NO
2	door windows	3	NO

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

Active Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK
OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB
ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE
YEAR 2022-23**

ABSTRACT OF COST

1	Revamping of QMS Registration Area Ground Floor & i/c Establishment of Registration Desk	Rs.711402/-
2	Revamping of QMS Registration Area First Floor i/c Establishment of Registration Desk	Rs.741230/-
Total		Rs.1452632/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Narowal

Executive Engineer
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL

Revamping of QMS Registration Area Ground Floor /First Floor

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Distemper one coat to old surface.	4200	% Sft	561.30	23575
2	Preparing surface Emulsion paint two coat to old surface after scraping	2651	% Sft	2796.55	74143
4	Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.	3	Each	7000	21000
5	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars	180	P Sft	854.35	153783
6	Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminium 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	128	P.Rft	650	83200
				Total:-	355701
	QMS Hall Ground and First Floor				
					711402

Sub Engineer

**(Executive Engineer)
Buildings Division
Narowal**

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF
REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ
HOSPITAL NAROWAL ADP NO.660 FOR THE YEAR 2022-23**

Revamping of QMS Registration Area Ground Floor & i/c Establishment of Registration Desk

1	Distemping one coat to old surface.				
	waffle slab	1x60x32-1/4	1935 Sft		
		2x7x60	840 "		
	Dispensary	2x14x32-1/4	903 "		
		1x20-7/8x25	522 "		
			Total 4200	Sft	
2	Preparing surface Emulsion paint two coat to old surface.after scraping				
	Disponser	1x2(60+32-1/4)x11-1/2	2116 Sft		
	Opening	1x2x(20-7/8+25)x11-1/2	1055 "		
	Doors D/D	5x6x6	-180		
		4x10x8.5	-340		
			Total 2651	Sft	
4	Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer Incharge.				
			3	No	
5	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars				
		5x6x6	180	Sft	
6	Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminium channel fixed on wall bracket and screws c/c the cost of allowes at ends,buffer belt as approved and directed by the Engineer Incharge				
		2x64	128	Rft	

Sub Engineer	(Sub Divisional Officer)	(Executive Engineer)
	Buildings Sub Division	Buildings Division
	Narowal	Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ

Revamping of QMS Registration Area First Floor i/c Establishment of Registration Desk

Amended Rough Cost Estimate 2nd Bi 2022					
S.#	Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Distemper one coat to old surface.	4339	% Sft	561.30	24355
2	Preparing surface Emulsion paint two coat to old surface after scraping	3807	% Sft	2796.55	106465
3	Provision of Counter	2	P.Sft	126579	253158
4	Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.	4	Each	7000	28000
5	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars	288	P Sft	854.35	246053
6	Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminium 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	128	P.Rft	650	83200
				Total:-	741230
	Say:-				741230

Sub Engineer

**(Executive Engineer)
Buildings Division
Narowal**

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF
REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ
HOSPITAL NAROWAL ADP NO. 660 FOR THE YEAR 2022-23**

Revamping of QMS Registration Area First Floor i/c Establishment of Registration Desk

1	Distemper one coat to old surface.	1x60x32-1/4	1935 Sft
		2x7x60	840 "
		2x14x32-1/4	903 "
	Medical social office	1x21x10-1/4	215 "
	Store	1x21x21-1/4	446 "
		Total	4339 Sft

2	Preparing surface Emulsion paint two coat to old surface after scraping		
		1x2(60+32-1/4)x11-1/2	2116 Sft
	Medical social office	1x2x(21+10-1/4)x11-1/2	719 "
	Store	1x2x(21+21-1/4)x11-1/2	972 "
		Total	3807 Sft
3	Provision of Counter		2 No

4 Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.

5 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars

		8x6x6	288 Sft
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6 Providing 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 elbows at ends, buffer belt as approved and directed by the Engineer Incharge

		2x64	128 Rft
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Sub Engineer	(Sub Divisional Officer)	(Executive Engineer)
	Buildings Sub Division	Buildings Division
	Narowal	Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ
HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23**

External Development

S.#	Description attach	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Providing Sewerage System	1	P Job	3353801	3353801
2	Providing of external E I Portion	1	P Job	6018665	6018665
4	Provision of drain.	1	P Job	1591650	1591650
5	Provision of Paved Area	1	P Job	570885	570885
				Total:-	11,535,001.01

Sub Engineer

**(Executive Engineer)
Buildings Division
Narowal**

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-23
PROVISION OF MAKING CONNECTION TRUNK SEWER OF D H Q HOSPITAL NAROWAL TO MAIN SEWERAGE SYSTEM OF CITY.

1-	Dismantling brick or flagged flooring without concrete foundation	1x1200x2=	2400	Sft	@Rs.	863.50	% Sft	20724
2	Dismantling of sub-base course.	1x1200x2x3/4=	1800	Cft	@Rs.	2712.40	% Cft	4882
3	Excavation in open cutting for sewer and manhole i/c rehandling	1x1200x5x3=	18900	Cft	@Rs.	10677.75	% 0Cft	201809
4	Dry Rammaed brick ballast 1-1/2" to 2" gauge.	1x1200x3x3/4=	2700.00	Cft	@Rs.	8825.50	% Cft	23829
4	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 cartage of all material to site of work except gravel and aggregate. (Dina) 183 KM	1x1200x3x3/4	2700.00	Cft	@Rs.	20604.90	% Cft	556332
5	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 cartage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 18" dia.	1x1200=	1200	Rft		1181.80	P Rft	1418160
8	Relaying of tuff paver 7000 PSI of approved firm & quality 80 mm.	Total	1200	Rft				
10	Provision of main hole 4' internal dia 7' depth (analyse attach)	1x1200x3	3600.00	Sft		24.40	P Sft	87840
12	Provision of Road Cut	16 No @ Rs				66889	Each	1070224
	D/d cost of old metrial	1 Job	@Rs.			150000.00	L.S	150000
3	Sub Base	1800 Cft				100 P Cft	Total:-	3533801
	Net Total (6557509-714000)							180000
								180000
								3353801

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

(Executive Engineer)
Buildings Division
Narowal

DHQ HOSPITAL NAROWAL Provision/Installation of Ext. Electrical					
S.#	Description	Qty	Unit	Rate	Amount
1	<p>P/F floor mounted Electric Panel board of required depth and size, fabricated with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Neutral & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).</p> <p>Main DB for Power</p> <p>Incoming from Transformer</p> <p>i) LT Switchboards</p> <p>a) 2.50 Ft deep</p> <p>(ii) 1200A (3.0'x6'x2.5')</p> <p>Incoming Breaker for Main DB for Power</p> <p>1 Supplying,Installation and commissioning of MCCB</p> <p>a) Trippl Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip (60-100%)</p> <p>(a) Trippl Pole 2000A(70 KA)</p> <p>Outgoing Breakers for Main DB for Power</p> <p>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 prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p> <p>(a) Trippl Pole 600A(36 KA)</p>	45	cft	4377.05	196967.25
2	<p>P/F floor mounted Electric Panel board of required depth and size, fabricated with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Neutral & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controls complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).</p> <p>SMDB-1,2,3</p> <p>Incoming from Transformer</p> <p>i) LT Switchboards</p> <p>a) 2.50 Ft deep</p> <p>(i) 600A (3.0'x6'x2.5')</p> <p>Incoming Breaker for SMDB-1,2</p> <p>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 prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p> <p>(a) Trippl Pole 600A(36 KA)</p> <p>Outgoing Breakers for SMDB-1,2</p> <p>1 Supplying ,Installation and commissioning of MCCB</p>	135	cft	3438.4	464184
		3	each	62434.3	187302.9

	(a)	Tripple Pole 300A(36 KA)	18	each	39814.3	716657.4
3		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDB-1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18				
		Incoming from SMDB- 1,2				
	(b)	12" deep				
		(i) 300A (3'x4'x1')	216	cft	3438.4	742694.4
		Incoming Breaker for PDB-				
	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 300A(36 KA)	12	each	39814.3	477771.6
		Outgoing Breakers for PDB-				
	1	Supplying, Installation and commissioning of MCB (Miniature				
	(a)	Tripple Pole 63A(6 KA)	24	each	6754.3	162103
	(b)	Single Pole 32A(6 KA)	48	each	1103.05	52946
	(c)	Single Pole 20A(6 KA)	48	each	1103.05	52946
		Supply and erection of non armoured copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-				
4		630 mm sq (127/0.093") PVC insulated, PVC sheathed single core, 600/1000 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (from Transformer to Main DB for Power)	400	rft	6,008.30	2403320
		TOTAL				6018665

**AMANDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING
OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL
NAROWAL ADP NO .660 FOR THE YEAR 2022-23**

External drain

S.#	Description	Amanded Rough cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
	Road Structure side drain				
1	Const of Road Drain (12" wide & 18" deep).	1215	P Rft	1310	1591650
				Say	1591650

Sub Engineer

**(Executive Engineer)
Buildings Division
Narowal**

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF
REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ**

Façade uplifting

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	P/L weather shield two coat to lold surface after scraping.	4016	%Sft	4612.8	185250
4	P/L Face work by using Gutka 9" x 2-1/4"x2-1/4" of approved quality in cement surkhii mortar 1:3 i/c back filling with 1:3 cement sand mortar making trapezoidal groove/ set back of 1/4" depth during fresh masonry work laid with G.I. wire 8-swg, 8-shapped wall ties, one side embedded in the masonry work and other side in gutka at 12" center to center vertically and 36" center to center horizontally,raking out joints, curing, scaffolding and its removal, complete (contractor shall prepare samples at site) as approved by the Engineer Incharge.	675	P.Sft	181.45	122479
				Total:-	307729

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR
THE YEAR 2022-23

Facade uplifting

1	P/L weather shed two coat to old surface after scraping.			
	1x(21-3/4+10+39-1/4+10+21-1/2)x24	2460	Sft	
	4x2x(31-3/4+33-3/4)x4	2096	"	
	15x6x6	-540		
	D/D windows			
	Total	4016	Sft	

4 P/L Face work by using Gutka 9" x 2-1/4"x2-1/4" of approved quality in cement surkhi mortar 1:3 i/c back filling with 1:3 cement sand mortar making trapezoidal groove/ set back of 1/4" depth during fresh masonry work laid with G.I. wire 8-swg, 8-shapped wall ties, one side embedded in the masonry work and other side in gutka at 12" center to center vertically and 36" center to center horizontally,raking out joints, curing, scaffolding and its removal, complete (contractor shall prepare samples at site) as approved by the Engineer Incharge.

1x15x20	300	Sft
1x25x15	375	"
Total	675	Sft

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

(Executive Engineer)
Buildings Division
Narowal

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL

Revamping of Accident Emergency Department

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Removing of door	13	Each	438.00	5694
1	Distempering one coat to old surface.	14333	% Sft	2796.55	400830
2	Preparing surface Emulsion paint two coat to old surface.after scraping	12765	% Sft	2796.55	358966
3	Dismantling glazed or encaustic tiles, etc.	569	% Sft	2335.85	13284
4	Dismantling of P.C.C (1:2:4)	72	%Cft	11174.60	8046
5	P/L plain cement concrete 1:2:4 i/c surface finishing complete.	72	%Cft	38178.9	27489
6	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36	569	P Sft	240.00	136560
7	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge12"x18"/12"x24"/10"x24" /8"x24"/12"x36	2328	P Sft	292.75	681376
8	P/F operable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardware hinges four bolt and cutting changes on approved & directed by the Engineer Incharge.	228	P Sft	1950.00	443625
9	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 3/8" Squar Bars	1602	P Sft	854.35	1368669
10	Repair of aluminium windows i/c replacement of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.	5	Each	7000	35000
11	Supply and installation anti microbial Hygenic Flooring (With anti bacterial agent) conforming to (ISO : 22196) of sepcified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.(Epoxy)	223	P Sft	602	134246
12	Supply and installation premium graded/ scratch resistant Hygienic anti microbial Hygenic anti- Microbial pvc wall cladding of specified thickness duly thermoplastic welded conforming to ISO 22196) and pasted over 12 mm thick gypsum board with adhesive / solvent fixed over 14 SWG G I Channael of size 3.5"x2x3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer Incharge.(2.5mm) Thick.	762	P Sft	2250	1714500
13	Supply And installation of clip in tile (0.6 mm-0.7 mm thick) non Porous aluminuimfalse ceiling of specified size fitted with clip in suspension system hanged on concealed T/ shiplap edge / runners @ of 600 mm x 600 mm grid edge trims fastern on wall with plug & screw @ 500mm c/c cutting charge of tiles to required size suspension rod & joints sealed in silicon if required on Dampa /demark as approved by the Engineer Incharge	223	P Sft	602	134246
14	Provision of Counter	2	Each	126579	253158
	P.H PORTION				

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
15	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	7	Each	19987.90	139915
16	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	7	Each	7600.00	53200
17	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	10	Each	7330.00	73300
18	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	650	P.Rft	66.50	43225
19	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore equivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent, specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	450	P.Rft	106.90	48105
20	Providing and fixing chromium plated bib cock:	14	Each	775.00	10850
21	Providing and fixing chromium plated tee Stop cock:	25	Each	955.00	23875
22	Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	320	P Rft	260.60	83392
23	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer,double Bib Cock,open wall shower,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	5	Each	33004.00	165020
24	Providing / fixing Electric water heater (Geyser) comprising of tank of 14SWG ,GI sheet and external cover of 22 SWG MS sheet ,insulated with 4"thick high density glass wool ,imported thermostat i/c electric rod ,safety valve (Ambassad or / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.ii) 20 Gal.capacity	2	Each	19567.80	39136
25	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.) coloured	6	Each	2458.35	14750
26	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	13	Each	283.15	3680.95
				Total:-	6406442
	Cride of old Material				
1	door	13	Each	800.00	10400
				Total:-	10400
					5396042

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING
OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL
NAROWAL ADP NO .660 FOR THE YEAR 2022-23
Revamping of Accident Emergency Department**

1	Removing of door		13	NO	
2	Distempering one coat to old surface.				
	Ward	1x21-3/4x21-1/2	468	Sft	
	Emergency	1x10-1/2x21-3/4	228	"	
	Pharmacy Ward	1x18-1/4x21-3/4	397	"	
	Cooridoor	1x163x10-1/4	1671	"	
	First AD Room	1x21-1/2x21-3/4	468	"	
	M.O	1x10-1/8x21-3/4	220	"	
	Toilet	2x10x5	100	"	
	Female Toilet	2x7-2/3x22	337	"	
	Emergency	2x5x5-5/6	58	"	
		1x69x69	4761	"	
	Room	1x14-5/8x21-7/12	316	"	
	Operation Thator	1x5-1/2x10-1/4	56	"	
		1x21-1/4x10-1/2	223	"	
	Emergency	1x8x10-1/2	121	"	
	Waiting Are Lobby	1x21-1/4x10-1/2	223	"	
	Main Hall	1x51x51	2601	"	
		1x34-3/4x60	2085	"	
		Total	14333	Sft	
3	Preparing surface Emulsion paint two coat to old surface.after scraping				
	Ward	1x2x(21-3/4+21-1/2)x7	606	Sft	
	Emergency	1x2x(10-1/2+21-3/4)x7	452	"	
	Pharmacy Ward	1x2x(18-1/4+21-3/4)x7	560	"	
	Cooridoor	1x2x(163+10-1/4)x7	2422	"	
	First AD Room	1x2x(21-1/2+21-3/4)x7	605	"	
	M.O	1x2x(10-1/8+21-3/4)x7	446	"	
	Toilet	2x2x(10+5)x5	300	"	
	Female Toilet	2x2x(7-2/3+22)x5	593	"	
	Emergency	2x2x(5+5-5/6)x5	217	"	
		1x2x(69+69)x7	1932	"	
	Room	1x2x(14-5/8+21-7/12)x7	507	"	
	Operation Thator	1x2x(5-1/2+10-1/4)x7	221	"	
	Emergency	1x2x(21-1/4+10-1/2)x7	445	"	
	Waiting Are Lobby	1x2x(8+10-1/2)x7	259	"	
	Main Hall	1x2x(21-1/4+10-1/2)x7	445	"	
		1x2x(51+51)x7	1428	"	
		1x2x(34-3/4+60)x7	1326.5	"	
		Total	12755	Sft	
4	Dismantling glazed or encaustic tiles, etc. bath				
		2x5x6	60	Sft	
		1x5x5-5/6	29	"	
		1x5x6-1/2	32.5	"	
		2x7-2/3x22	337.04	"	
		1x10x5	50	"	
		2x5x6	60	"	
		Total:-	569	Sft	
5	Dismantling of P.C.C (1:2:4) bath				
		2x5x6x1/8	8	Cft	
		1x5x5-5/6x1/8	4	"	
		1x5x6-1/2x1/8	4	"	
		2x7-2/3x22x1/8	42	"	
		1x10x5x1/8	6	"	
		2x5x6x1/8	8	"	
		Total:-	72	Cft	
6	P/L P C C 1:2:4 ratio i/c surface finishing. bath				
		2x5x6x1/8	8	Cft	
		1x5x5-5/6x1/8	4	"	
		1x5x6-1/2x1/8	4	"	
		2x7-2/3x22x1/8	42	"	
		1x10x5x1/8	6	"	
		2x5x6x1/8	8	"	
		Total:-	72	Cft	

7	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"12"x24"10"x24" 8"x24"12"x36 bath	60 Cft 29 " 33 " 337 " 50 " 60 "	Total 569 Sft
8	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge12"x18"12"x24"10"x24" 8"x24"12"x36 bath	308 Sft 152 " 161 " 82 " 830 " 504 " 210 " 308 "	Total 2555 Sft 228 Sft 2328 Sft
9	P/F openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 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 hardwarees hinges four bolt and cutting changes on approved & directed by the Engineer incharge.		
10	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.3/8" Squar Bars	228 Sft	Total 228 Sft
11	Repair of aluminium windows i/c replacment of damaged parts with rubber gasket etc complete in all respect as approved by the Engineer incharge.	960 Sft 612 Sft 30 Sft	Total 1602 Sft
12	Supply and installation anti microbial Hygenic Flooring (With anti bacterial agent) conforming to (ISO : 22196) of sepcified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.(Epoxy)	5 NO 5 NO	Total 5 NO
13	Operation Thator	223 Sft	Total 223 Sft
14	Supply and installation premiumum graded/ scratch resistant Hygienic anti microbial Hygenic anti-Microbial pvc wall cladding of specified thickness duly thermoplastic welded conforming to ISO 22196) and pasted over 12 mm thick gypsum board with adhesive / solvent fixed over 14 SWG G I Channael of size 3.5"x2x3.5" duly screwed on wall i/c the cost of hardwarees as approved and directed by the Engineer Incharge.(2.5mm) Thick.	762 Sft	Total 762 Sft
15	Supply And installation of clip in tile (0.6 mm-0.7 mm thick) non Porous aluminuimfalse ceiling of specified size fitted with clip in suspension system hanged on concealed T/ shiplap edge / runners @ of 600 mm x 600 mm grid edge trims fastem on wall with plug & screw @ 500mm c/c cutting charge of tiles to required size suspension rod & joints sealed in sillcon if required on Dampa /demark as approved by the Engineer Incharge. Operation Thator	223 Sft 223 Sft 2 No	Total 223 Sft

P H Portion

16	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/ rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	7	No
17	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer incharge.i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	7	No
18	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.Under Counter Vanity Basin	10	No
19	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore quivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(3/4") 25 mm	650	Rft
20	Providing,laying,testing and commissioning of POLY PROPYLENERAN DOMCO POLYMER (PPRC) water supply pipe (Dadex / Popular / Betaore quivalent) with specified pressurizing PN (PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).b) PN-20 pipe ii)(1") 32 mm	450	Rft
21	Providing and fixing chromium plated bib cock:	14	No
22	Providing and fixing chromium plated tee Stop cock:	25	No
23	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.	320	Rft
24	Providing and fixing CP bath Room Set made of Sonex/ Faisal comprising of 3-No Tee stop cocks ,Lever type Basin Mixer,Double Bib Cock,open wall shower,Muslim shower,waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.iv) Open Type Wall Shower v) Muslim shower vi) Waste Coupling vii) Bottle Trap i) 3 No Tee Stop Cock (set) ii) Lever Type Basin Mixer iii) Double Bib Cock	5	No
25	Providing / fixing Electric water heater (Geyser) comprising of tank of 14SWG ,GI sheet and external cover of 22 SWG MS sheet ,insulated with 4"thick high density glass wool ,imported thermostat i/c electric rod ,safety valve (Ambassad or / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.ii) 20 Gal capacity	2	No
26	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.) coloured	6	No
27	Providing and fitting "P" trap:-i) 10 cm (4") glazed.	13	No
1	Cride of old Material door	13	No

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ /
15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE
YEAR 2022-23**

Development of Burial Pit

S.#	Description	Amended Rough Cost Estimate 2nd Bi 2022			
		Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Excavation Of wall of building bridge & other structure i/c compaction lead upto one chain lift 5ft in O/Soil.	5101	%0Cft	10677.75	54467
3	P/L Cement Concrete (1:6:18) Ratio 1-1/2" to 2" gage.	33	%Cft	19560.9	6455
4	Pacca brick work (1:6) in F & P.	187	%Cft	30229.6	56567
5	Rehandling of earthwork Lead upto a single throw of Kassi, phaorah or shovel	6511	%0Cft	2539.7	16536
6	Supplying and filling sand under floor or plugging in wells.	78	%Cft	2943.3	2293
7	P/L watering and ramming brick ballast 1-1/2" to 2" gauge with 25%sand mixed.	78	%Cft	9254.4	7211
8	P/L PCC 1:2:4	234	P %Sft	8942.45	20946
	a) (ii) Reinforced cement concrete in retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast in situ (Formwork on both sides) , complete in all respects:	1037	P Cft	614.2	636925
9	P/L R.CC in roof slab beam lintle column guider other structure (1:2:4) ratio. Fabrication of M.S reinforcement for C.C i/c cutting,bending laying in position, making joints and fastenings, including cost of binding wire and labour chargesfor binding of steel reinforcement (also includes removal of rust from bars) Deformed Steel (Grade 40).	35	P Cft	556.5	19478
10		3285	% Kg	31390	1031220
11	P/L 1/2"thick Mosaic dado or skirting with one part of cement and marble powder in the ratio (3:1)and two parts of marble chips laid over 1/2"thick cement plaster (1:3) including rubbing and polishing. Complete with finishing	468	% Sft	20966	98120
14	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8"(50x50x10 mm) and 3/4" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	140	P Sft	2371.75	332045
15	Painting on new surface Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work (Three Coat)	280	% sft	1805.25	5055
				Total:-	2287319

Sub Engineer

(Executive Engineer)
Buildings Division
Narowal

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL
DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660
FOR THE YEAR 2022-23**

Development of Burial Pit

1	Excavation Of wall of building bridge & other structure i/c compaction lead upto one chain lit Sft in Of Soil			
	1x22x22x10	4840	Cft	
	4x21-3/4x1-1/2x2	261		
	Total:-	5101	Cft	

3 P/L Cement Concrete (1:6:18) Ratio 1-1/2" to 2" gage.

	Plinth Pro.	4x21-3/4x1-1/2x1/4	33	Cft
	Total:-		33	Cft

4 Pacca brick work (1:6) in F & P.

	4x21-3/4x1-1/8x1/4	24	Cft
	4x21-3/4x3/4x2-1/2	163	Cft
	Total:-	187	Cft

5 Rehandling of earthwork Lead upto a single throw of Kassi, phaoah or shovel

	same qty	6511	Cft
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6 Supplying and filling sand under floor or plugging in wells.

	1x2x(21+14-1/2)x3-1/4x1/3	78	Cft
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7 P/L watering and ramming brick ballast 1-1/2" to 2" gauge with 25% sand mixed.

	1x2x(21+14-1/2)x3-1/4x1/3	78	Cft
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8 P/L PCC 1:2:4

	1x2x(21+14-1/2)x3-1/4	234	Sft
--	-----------------------	-----	-----

a) (i) Reinforced cement concrete in retaining/ Shear walls laid in situ or

6 precast laid in position, or prestressed members cast in situ (

(c) Type C (nominal mix 1:2:4)

(i) Upto 9" thick (Avg)

	2x14-1/2x3/4x10	218	Cft
	2x13x3/4x10	195	Cft
	4x13x3/4x8	312	Cft
	4x13x3/4x8	312	Cft
	Total:-	1037	Cft

9 P/L R.C.C in roof slab beam lintle column guider other structure (1:2:4) ratio.

	Slab	1x14-1/2x14-1/2x1/2	105	Cft
	Total:-		105	Cft
	d/d	2x5x14x1/2	70	
	Net Total (1300-70)		35	Cft

10 Fabrication of M.S reinforcement for C.C i/c cutting, bending laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed Steel (Grade 40).

	1037+35=1072	1072x6.75x0.454	3285	Kg
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11 P/L 1/2" THICK MOSAIC dado or skirting with one part of cement and marble powder in the ratio (3:1) and two parts of marble chips laid over 1/2" thick cement plaster (1:3) including rubbing and polishing. Complete with finishing

	1x2x(13+13)x9	468	Sft
--	---------------	-----	-----

14 Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8"(50x50x10 mm) and 3/4" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.

	2x5x14	140	Sft
	Painting on new surface Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work (Three Coat)	280	Sft

Sub Engineer

(Sub Divisional Officer)
Buildings Sub Division
Narowal

(Executive Engineer)
Buildings Division
Narowal

ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL NAROWAL ADP NO .660 FOR THE YEAR 2022-

23

Provision of Transformer

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) 1x14x12x2	=	336	Cft	=	3588	/-
		@	10677.75	% Cft			
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-1:6:12 1x14x12x1/2	=	84	Cft	=	8969	/-
		@	10677.75	% Cft			
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):-1:4:8 1x14x12x1/3	=	55	Cft	=	15943	/-
		@	28986.90	% Cft			
4	Pacca brick work 1:6 in O T B- 1x2x(10+6-1/2)x3/4x6-1/2	=	161	Cft	=	50416	/-
		@	31314.35	% Cft			
5	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 n situ, complete in all respects:- 1x8-1/2x6-1/2x7-1/2	=	414	Cft	=	230391	/-
		@	556.50	P 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):- 414x6.75x.454	=	1269	Kg	=	398344	/-
		@	31390.35	% Kg			
7	1/2" Thick Cement plaster 1:4 On wall 1x10x8 1x2x(10+8)x5-1/4	=	80	Sft	=		
		=	189	Sft			
	Total	@	269	Sft			
			3245.95	% Sft	=	8732	/-
8	Supply, insallation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 1000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete n all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge(xi) 1000 KVA		1	NO			
			3228947.05			3228947	
9	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level,and 2 metre away from building plinth.		2	NO			
10	Supply and erection of 25 mm (1") dia and one metre long ightning conductor copper rod with 5 spikes on ball and base, etc. complete.		9592.65			19185	
			2	NO			
			4274.00			8548	
Total:-					=	3973062	/-
ADD 3% Cantigency						119192	
TOTAL						4092254	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division

Executive Engineer
Buildings Division
Narowal

150 YEARS

People. Passion. Performance.



Quotation Vertical Line Shaft Turbine Pump Alfa

The Sub Divisional Officer

Sub Division

Narowal

Your Ref	Telecom	Date	OUR REF	LEA	15880
No. of Pumps	1	Pump Size	Alfa F280/7 stages	DATE	06-09-22
Operating Conditions Medium (H2O)					
Clean, clear water free from sand & chemicals					
Capacity	0.50 CU/SEC	187 GPM			
Pump total Head	250 Ft	76 m			
Bowl Assembly Head					
Speed	1450 RPM				
Bowl Input	21.27 HP				
Line Shaft loss	0.55 HP				
Pump Input	21.82 HP				
Prime Mover (SEM/DE)	30.00 HP				
Material Specifications Pump Assembly					
Bowls	Cast Iron				
Impellers	Cast Iron				
Winding Ring	Cast Iron				
Shaft	Stainless Steel				
Shaft Sleeves	Bronze				
Bearings					
Column pipe assembly					
Column pipe	M. Steel				
Shaft Sleeves	Carbon Steel				
Shaft couplings	C-Steel				
Bearings	Roller Bearing				
Bearing retainer	Ready Cast Iron				
Column pipe Coupling	Flanged				
Top Shaft	Stainless Steel				
Component parts of each pumping unit					
Pump assembly of	7				
Column assembly of	4				
Discharge head with Vertical Solid shaft electric motor (body and base) in cooled, totally enclosed, 3 phase motor, with non-reverse rotation, made Siemens (ES) insulation class F and temperature rise 80°C above 40°C ambient temperature (Clockwise)					
Price of pumping unit as specified above					
ACCESSORIES					
(1) Motor Control Unit ASD 30 KSB Standard (2) Cast Iron Suction & Reflux Valve 4" (3) Mechanical Installation With in Pump House Without Civil Works (4) Motor Stool (5) Erection Clamps 4"					
Price Basis:					
Payment Terms: 50 % Advance Balance Before Delivery					
Delivery: 12-14 Weeks after firm order					
Validity: 30 Days					
Disclaimer: Working out the prices of above mentioned engineered products should be acknowledged as KSB's prerogative. This quotation will have no bearing on previously quoted prices or a reference on prices to be quoted in future to any prospective client. After expiry of quotation's validity KSB reserves the right to change prices as a result of market forces / manufacturing variations.					
Procuring Agency is requested to comply with all PPRA rules as it is its responsibility.					
Note: If any tax other than mentioned will impose by Govt. same will be charge in addition to the price quoted.					
Price / Unit Inc. 17% GST				3,376,800	
6-KSB PUMPS COMPANY LTD					
Sales Representative					

KSB PUMPS COMPANY LIMITED

Registered Office: 16/2 Sir Aga Khan Road, Lahore, Pakistan. UAN: +92-42-111-572-786. Tel: +92-42-86304173-4

Fax: +92-42-36366192, 36368878, 36375180. Email: info@ksb.com.pk, www.ksb.com.pk

WORKS: Hazara Road, Hassanabdal, Pakistan. Tel: +92-57-2520236. Fax: +92-57-2520237. Email: admin.hassanabdal@ksb.com.pk

The Sub Divisional officer
Building Sub Division
Narowal

Date:	06-09-2022
Your reference:	Telecom
Quotation:	LEA-15880-A
Our contact:	Muhammad Javaid Butt 0323-4154155

Subject: Quotation of 1000 L/H Reverse Osmosis Plants with microbiological contamination removal & Header and Storage Tanks

Dear Sir,

Further to the inquiry for quotation of filtration plants, it is a pleasure for KSB to send you the following commercial and technical proposal.

We would like to thank you for considering KSB as a valuable pumps and systems manufacturer for this project.

We stay at your complete disposal for any further information you may need regarding this proposal.

Yours truly,
For KSB Pumps Company Limited



Muhammad Javaid Butt
Dy. Manager Sales

Commercial Offer RO Filtration Plant

Providing, installing, testing and commissioning of RO plant Complete in all respects without any civil and Electrical work or any O&M cost

Total price of 1000 liter per hour RO plant is PKR. 4,304,040/- inclusive of 17% GST

USD Exchange rate considered at the time of quotation @ PKR 220.

SCOPE OF SUPPLY

1. The scope of supply against above mentioned cost is as under
 - a. Skid Mounted RO Plant will consist of following major supplies
 - b. RO Membrane
 - c. Feed Pump
 - d. FRP Vessel
 - e. Multiport Valve
 - f. Flow Meter
 - g. Control Panel
 - h. Valves & associate Fittings
 - i. Header
 - j. Storage Tanks

Please note that above mentioned cost does not include any source development & civil works

Commercial Terms:

Validity = 30 Days
Payment = 50 % advance, balance before delivery.
Delivery = Ex- Customer Site

M. Butt

Muhammad Javaid Butt

Dy. Manager Sales

Disclaimer:

Working out the prices of above mentioned engineered products should be acknowledged as KSB's prerogative. This quotation will have no bearing on previously quoted prices anywhere or on prices to be quoted in future to any prospective client. After expiry of quotation's validity, KSB reserves the right to change prices as a result of market forces / manufacturing variables. Procuring Agency is requested to comply with all PPRA rules as it is its responsibility.



EYELOGY Inc.

Attention: Sub Divisional Officer,
Buildings Sub Division Narowal.
DHQ Hospital Narowal.

Dated: Aug 27, 2022
Ref: LPS/RCP-001.

Subject: Proposal for the Supply & Installation of Complete Early Streamer Emission (ESE) Lightning Protection DHQ Hospital Narowal.

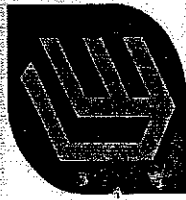
Dear Sir,

Ref to the subject matter. We take pleasure in submitting herewith our proposal based on Scope. We are open to discuss further requirements or changes in the scope. We are eager for any additional discussion on technical or commercial aspects of the Project. Following is our recommended proposal.

S#	Description	Unit	Qty.	Unit Price (Rs.)	Amount (Rs.)
1	Supply of Early Streamer Emission (ESE) Air Terminal, in accordance with the Standard IEC 17-102-2011, can with stand current 100kA (10/350us) with testable Jack 10+ years of Manufacturer's Warranty Protection level 1 (Height 5M, Rolling Sphere Radius > 79m) Model: Flash L (Make: Turkey) (See attached TDS)	Nos	1	450,000/-	450,000/-
2	Supply of 5M high Lighting Terminal Mast 50mm Dia. Galvanized Steel, Complete with all the supports, base, angles, brackets, wire guard nuts & bolts.	Nos	1	50,000/-	50,000/-
3	Supply of 11m Copper (30x3) mm down conductor from Air Terminal to Earth Pit. This will be calculated as per actual Measurement at site	Mtr.	50	4000/-	200000/-

3rd Floor Tariq Center Johar Town Lahore
✉ eyeologyinc@gmail.com

Ph: +92(0)322-8092588



EYELOGY
House of Smart Trading

EYELOGY Inc.

4	Supply of Lightning Strike Counter Make : Turkey	Nos.	1	55000/-	55000/-
5	Supply of Earth Enhance Powder/Gel (20Kg bag)	Nos.	2	15000	30,000/-
6	Supply and installation of rod type earthing using 10 ft copper rod and earth enhancing material to get less than 5 ohm earth resistance	Nos.	1	110,000	110,000/-
7	Supply of Test Clamp to connect the down conductor (surface pasted) duly clamped with brass alloyed clamp to the earth termination and disconnect the down conductor size: 2x(25mmx3mm) from the earth termination for regular checks in order to get the earth termination resistance value.	Nos.	2	10,000/-	20,000/-
8	Installation, Testing & Commissioning charges	lot	1	150,000/-	150,000/-
Total Amount in Pakistani Rupees (Rs.)					1,065,000/-

Note:

*The cost of Copper tape will be as per actual Measurement at site.
The provision of scaffoldings and civil work for the installation of the air terminals and copper tape will be on clients end.

General Terms & Conditions

Payment Term:: 80% Advance with P.O & Remaining 20% @Delivery

Delivery: Ex – Stock

Make: Jeflash Turkey

Warranty: 1 Year warranty from the date of installation.

Validity: 3 Weeks

📍 3rd Floor Tariq Center Johar Town Lahore

✉ eyeologyinc@gmail.com

Ph: +92(0)322-8092588

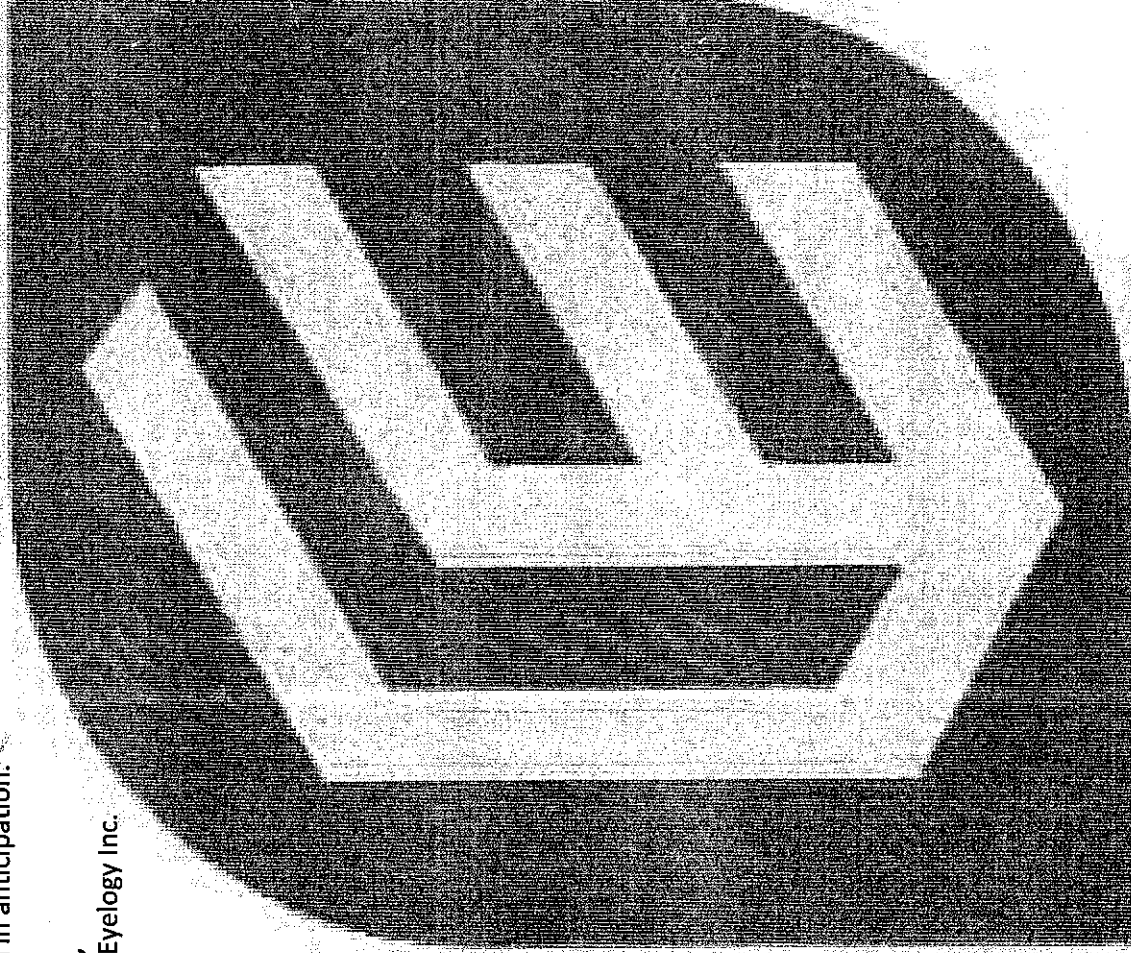


EYELOGY Inc.

Quoted Prices are exclusive of all taxes.
Assuring you our best services and cooperation all the times

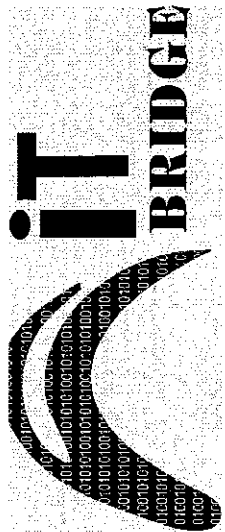
Thanking you in anticipation.

Kind Regards,
On behalf of Eyeology Inc.



3rd Floor Tariq Center Johar Town Lahore
✉ eyeologyinc@gmail.com

Ph: +92(0)322-8092588



Off #: 8, 4th Floor, TELE Tower, Link Road,
Model Town, Lahore-Pakistan.
Ph #: 0092 (42) 35443273
Mobile #: 0321-4631931
E-mail : info@itbridge.com.pk / patras@itbridge.com.pk

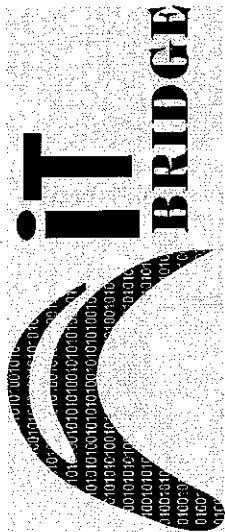
To,
Sub Divisional Officer,
Buildings Sub Division, NAROWAL.

Dated :September 6th, 2022.
Ref #: ITB/FIRE/DHQ-NAROWAL/01/22Y.
Project Ref : DHQ NAROWAL
Page : 1 / 2

Page : 1 / 2
DHQ NAROWAL

QUOTATION FOR ADDRESSABLE FIRE ALARM SYSTEM

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
1	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR Supply and installation of Addressable Photoelectric Smoke detector with Soft addressing, programmable parameters, low current consumption, automatic drift compensation, built-in short circuit isolator and approved from EN 54-5 Standard (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	492	Each	9,250.00	4,551,000.00
2	ADDRESSABLE HEAT DETECTOR Supply and installation of multi-sensor two built-in sensors: smoke and heat with soft addressing, programmable temp. class, low current consumption, built-in short circuit isolator and approved from EN 54-7 standard. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	5	Each	9,500.00	47,500.00
3	ADDRESSABLE RESETABLE MANUAL CALL POINT Supply and installation of Addressable Resetable Manual Call Point with flush mounting and LED Indication on front side, wall mounting with assembling frame, soft addressing, low current consumption, built-in short circuit isolator and approved shall be from EN 54-11 (type B) Standard. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	92	Each	9,390.00	863,880.00
4	ADDRESSABLE LOOP SOUNDER Supply and installation of Addressable Electronic Loop Sounder with soft addressing, 3 sound patterns, 3 power options (24VDC, 9VDC and 220VAC), Sound level : 85dB, built-in short circuit isolator and will be approved from EN 54-3 and sounder is IP protection rated to IP21. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	92	Each	11,630.00	1,069,960.00



Off #: 8, 4th Floor, TELE Tower, Link Road,
Model Town, Lahore-Pakistan.
Ph #: 0092 (42) 35443273
E-mail : info@itbridge.com.pk

Page : 2 / 2
DHQ NAROWAL

QUOTATION FOR ADDRESSABLE FIRE ALARM SYSTEM

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
5	8-LOOP ADDRESSABLE FIRE ALARM CONTROL PANLE				
	Supply and installation of 8 LOOP Addressable Fire Alarm Control networkable, 3 supervised relay outputs, 2 monitoring inputs, 2 supervised signalling lines, redundancy "on board", 240x320pix graphic display, Ingress Protection: IP 30 rating and approved shall be from EN 54-2 international standard. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	1	Each	1,678,390.00	1,678,390.00
6	INPUT / OUTPUT Module with 4 IN and 4 OUTPUTS. (Make : POLON ALFA Europe / Siemens Germany / Notifier USA)	8	Nos.	18,000.00	144,000.00
7	Supply of dry chemical powder (DCP) fire extinguisher portable type, 06 KG size stored pressure, standard version with pressure guage, discharge pip and operating level. (Made in CHINA)	50	Nos.	7,800.00	390,000.00
8	Supply of CO2 type portable 03KG fire extinguisher, stored pressure model locking pin to control accidental discharge, rechargeable, seamless body cylinder of carbon steel standard version with discharge pipe and operating leve. (Made in CHINA)	50	Nos.	10,500.00	525,000.00
9	Termination, testing, software Programming with 1 year complete system performance warranty from the manufacturer / Authorized Dealer.	1	JOB	200,000.00	200,000.00
TOTAL AMOUNT					9,469,730.00
TOTAL AMOUNT WITH GST (General Sales Tax)					1,609,854.10
					11,079,584.10

If you need any further assistance, kindly contact at my cell number 0321-4631931.

Best regards,
for IT Bridge,

PATAS ANWAR
(C.E.O)

Cell #: 0321-4631931 / E-mail : info@itbridge.com.pk

E-mail : patras@itbridge.com.pk





— Makes all Easy —

Services.Solution.Execution

Government Contractor
Aluminum Composite Panel
ACP Wall Cladding
Aluminum, UPVC Doors & Windows,
PVC Foam Board Glass Accessories,
3D LED, Signage, Brand Activity, Branding
Digital SMD LED Billboards, Branding
Digital UV Flatbed Printing
CNC Router, Plasma Fiber, Laser Cutting
Renovation, Execution Fabrication

To,
SDO BUILDING
SHAKARGHAR

QUOTATION

NTN # 2498928-2

Date: 03-08-2022

We are pleased to Quote you following rate of Front Fascia Elevation.

S NO.	PARTICULARS	QTY	SQFT	PER SQFT	AMMOUNT
1	Stainless Steel 24 Gauge Laid Our Iron Frame & 1inch Foam including Screw, Hardware, Carriage & Bending of Sheet			1050	

NOTE: Lead Time 30 to 45 working days after receipt of purchasing order/payment steps folding, Crane, Stairs, Fare extra charges. If any modification required price will be added.

Terms & Condition

- 75% Advance at the
- 25% Balance on Delivery
- Any Type of Taxes is not Included in this Quotation.
- Quotation is Valid for 7 Working Days.

Kind Regards
Kashif Khan
0321417170

easymakesalleasey@gmail.com

www.easyservices.pk

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:LO22010100
A/C To be Credited:Account-I

PKR Million

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

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010100
A/C To be Credited:Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

FINANCIAL PLAN AND MODE OF FINANCING

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

Revenue Side:

(Rs.in Million)

	FY 2021-22	FY 2022-23
Funds Released	9.820	10.998
Utilization	8.720	1.507

Capital Side:

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

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

SOCIAL IMPACT:

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

EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

ENVIRONMENTAL IMPACT

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

IMPACT OF DELAYS ON PROJECT COST AND VIABILITY

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

deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 FINANCIAL IMPACT:

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

11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees

Diagnostic facility fees

X-Ray fee

Dental fee

ECG fee

Private room charges

Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

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

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

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. KHIZAR HAYAT

Designation:Project Director, PMU P&SHD

Email:

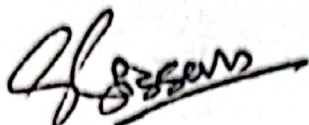
Tel. No.:

Fax No:

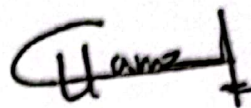
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:



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



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

Checked By:



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



(KHIZAR HAYAT)
PROJECT DIRECTOR (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

Approved By:



(DR. IRSHAD AHMAD)
SECRETARY,
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
(042-99204567)
(Oct-2022)



