

**DIVISION 01**  
**GENERAL REQUIREMENTS**

Item	Description	Unit	Qty
------	-------------	------	-----

**GENERALLY**

Tenderers are to comply exactly with the pricing requirement of preliminaries, as presented hereafter

- A These preliminaries are applicable to the whole of the works. If the tenderer wishes to price any of the items contained herein, then each such item, clause or sub clause must be individually priced. The tendered shall not enter any lump sums covering more than one or all items, clauses and sub-clause. Where any item, clause or sub clause is not priced, it shall be deemed that the value is included in the rates for measured items elsewhere in these Schedule of Rates.
- B Tenderer will deemed to have examined the Drawings, the Specifications, to have read the Instructions to Tenderers, the Form of Agreement, the Conditions of Contract, the Form of Tender and to have visited the site and made themselves aware of all conditions including the supply of labor and materials, and are to allow in their tender for all costs, expenses, risks, liabilities and obligations set forth in or implied by the documents and drawings, and their tender price shall be deemed to include for supplying, installing, constructing, completing and maintaining the works in accordance with the terms of the Contract.

**DESCRIPTIONS**

- C The descriptions included in these Schedule of Rates to describe the workmanship and materials necessary for each items are not necessarily complete. The Tenderer is referred to the Conditions of Contract, Technical Specifications, other Documents and the Drawings, for further information concerning the work. No claim or variation will be considered on account of his failure to acquaint himself with such information.

**DIVISION 01**  
**GENERAL REQUIREMENTS**

Item	Description	Unit	Qty
------	-------------	------	-----

**DESCRIPTIONS (CONT'D)**

- A The tenderer shall satisfy himself as to the meaning of every item in the Schedule of Rates and the prices inserted by him will be deemed to cover all his obligations under the Contract and all matters and things necessary for the proper construction, completion and remedying of any defects including, but not by way of limitation, for all temporary works required (including any that may be required by sub-contractors, whether nominated or otherwise).

The price shall include for all materials, furniture, fixtures and labor and for the provision and use of all plants (whether mechanical or non-mechanical ) required for the expeditious carrying out of the works in their proper sequence, including for shifting, altering and adapting such temporary work and plant as may be required during the progress of the works, and removing on completion and making good any surfaces disturbed; and if not included in a price inserted against the Conditions of Contract clause following, for the guarantees and bonds required for the costs of preparing a tender, for the work in connection with measurements and final account, for profit, and for all establishment charges and on costs of whatever nature. No claim for additional payment will be allowed for any error or misunderstanding by the Tenderer in these aspects.

- B The tenderer shall price all items for all sections which he considers have a value. If any item are not proceed by the Tenderer, they will be deemed to be of no value or that their value has been spread throughout the rates of the other items.

**CONDITIONS OF CONTRACT**

- C The conditions of contract shall be as contained within the Tender Documents. The tenderer shall allow for all costs of complying with the Conditions of Contract.

**MOBILIZATION / DEMOBILIZATION**

- |   |                                    |    |   |
|---|------------------------------------|----|---|
| D | Provide for general mobilization   | LS | 1 |
| E | Provide for general demobilization | LS | 1 |

**DIVISION 01**  
**GENERAL REQUIREMENTS**

Item	Description	Unit	Qty
<b><u>GENERAL REQUIREMENTS</u></b>			
A	Coordination and meetings	LS	1
B	Project Coordination	LS	1
C	Cutting and Patching	LS	1
D	Reference standards	LS	1
E	Submittals	LS	1
F	Construction Progress Schedules	LS	1
G	Network analysis schedules	LS	1
H	Quality control	LS	1
I	Testing services	LS	1
J	Construction facilities and temporary controls	LS	1
K	Safety and Security	LS	1
L	Access Roads and Parking Areas	LS	1
M	Traffic regulations	LS	1
N	Field offices and sheds	LS	1
O	Material and equipment	LS	1
P	Substitutions	LS	1
Q	Starting of systems	LS	1
R	Contract closeout	LS	1
S	Operation and maintenance data	LS	1
T	Warranties and Insurance	LS	1
U	Shop Drawings and As Built Drawings	LS	1

**DIVISION 01**  
**GENERAL REQUIREMENTS**

Item	Description	Unit	Qty
------	-------------	------	-----

**SPECIFIC REQUIREMENTS**

Tenderers are referred to the "Instruction of Tenderers" and are to price accordingly here

- |   |   |    |   |
|---|---|----|---|
| A | Allow the net Sum for the appointment of a Professional Design Consulting Firm and Specialist Consultants to undertake the completion of the design for this Contract | LS | 1 |
| B | Making good any surfaces disturbed by the works   | LS | 1 |

**SCHEDULE OF RATES**

- C The rates for all work are to include for all cutting (straight, raking or curved) as necessary
- D Earthworks is to include for earthwork support
- E Earthworks shall include for excavating in rock, unstable ground, existing Note materials and obstructions, cavity probing, below water level or any other condition
- F Earthworks shall include for the levelling and compacting bottoms and for Note keeping excavations free from water and treating the surface with anti-termite control
- G Filling shall include for compacting in layers and grading to contours
- H Concrete work shall include for all formworks
- I Concrete work shall include for all fair faced finish formwork
- J Reinforced concrete work shall include for all reinforcement
- K Masonry work is to include for faced or fair faced work as necessary
- L All timber sizes specified are finished sizes
- M Sawn and finished timber have not been separately identified
- N Door jambs, heads, linings, etc, have not been measured separately but are to be included in the item of the door

**DIVISION 01**  
**GENERAL REQUIREMENTS**

Item	Description	Unit	Qty
------	-------------	------	-----

**SCHEDULE OF RATES (CONT'D)**

- A Glazing is deemed to be included as part of the item which is glazed
- B Where stated in the description, items of work are to include for the application of decoration system
- C The rate for adhesive fixed wall tiling are to include for a cement and sand backing coat of the thickness necessary to bring out the tile face the required distance from the face of the supporting wall as shown on the drawings
- D The rates for finishing are to include for all fair joints, outlets, working over and around obstructions, pipes and the like, into recesses and shaped inserts
- E  
Patterned work is deemed to include all extra work involved
- F Suspended ceilings have been measured as the flat area irrespective of drop and bulkheads. The contractor is to allow for all work and material necessary for the varying levels of the suspended ceiling heights and for the construction of vertical bulkheads.
- G The rates for items of pipework are to allow for all fittings, valves and the like irrespective of size, except where so measured separately
- H Attendance on works by others is to include for decanting equipment from containers, unloading, storing, placing into position, unpacking and the installation of all connecting pipe work, controls and power cables, including the testing and commissioning of all equipment

**DIVISION 01**  
**GENERAL REQUIREMENTS**

Item	Description	Unit	Qty
------	-------------	------	-----

**SCHEDULE OF RATES (CONT'D)**

A The item of Incidental works shall be deemed to include the following:

1. Identification, which shall include plates, discs, labels, charts and color coding

operating completed installations and providing fuel and power

3. Tools and spares, which shall include loose keys and consumable stores

4. Documents, which shall include drawings, operating instructions and maintenance manuals

5. Co-ordination with other Engineering installations

6. Cutting of forming holes, mortices, chases or the like and making good finishing

7. Building in or cutting and pinning brackets or the like and making good finishings

8. Removing protective coating or wrapping

9. Cleaning and polishing exposed surfaces

B The tenderer is to price here for any obligation which has not been allowed for elsewhere. This includes for any item missed in the schedule of pricing but necessary for the completion of the works in accordance with tender documents. Failure to price here will be deemed that all obligations have been considered and their value if not priced specifically, has been spread throughout the rates of other items

LS 1

**DIVISION 02**  
**SITE WORKS**

Item	Description	Qty	Unit
------	-------------	-----	------

**SECTION 02060 - DEMOLITION**

The contractor is referred to the drawings for all details related to this section of the works and he is to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

Engineered demolition of masonry wall parts. Remove the demolished materials to approved dumps as directed by the Engineer. Propping where necessary and carefully removal of the existing tiling, wood doors, all kind of piping and wiring and preparing surface to receive finish as directed by the engineer.

A	Medical Room Location	1	LS
B	12 meter long Wall at Ground floor	1	LS

**SECTION 02200 - EXCAVATION AND EARTHWORK**

Excavate lot to scrap off the existing surface of any irregularities and debris and excavate foundations and grade beams to required depth, disposing of debris in proper dumping location. The price shall cover all sorts of soil and to the necessary depth under the water tower and mechanical room's foundations.

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

C	12 ml excavation for ground floor wall in all kinds of soil or surface	12	m3
---	--	----	----

**SECTION 02230- EARTHFILLING**

The contractor should provide selected fill materials and carryout filling operations in the areas indicated and as instructed by the engineer. The filling shall be placed and compacted in uniform layers of 20cm thick. And each layer of material shall be compacte

D	Selected Backfill	12	m3
E	10cm Compacted Hardcore gravel fill under slab on grade	2	m3

**DIVISION 03**  
**CONCRETE WORKS**

Item	Description	Qty	Unit
------	-------------	-----	------

**SECTION 03200 CAST IN PLACE CONCRETE**

Plain in-situ concrete 170 kg/cm<sup>2</sup>, cement content 250Kg/m<sup>3</sup>, as specified and as shown on the drawings

A	Blinding beds under foundations	2	m3
---	---------------------------------	---	----

Install and Cast all Reinforced Concrete Structures , including formwork, reinforced steel, all as detailed in specifications and shown on the drawings  
Reinforced concrete minimum strength 25 Mpa cement content 350 Kg/m<sup>3</sup>; all as specified and as shown on the drawings:

B	Foundations, Ground Beams, Columns and Walls in different thickness	15	m3
---	---	----	----



**DIVISION 04**  
**MASONRY**

Item	Description	Qty	Unit
------	-------------	-----	------

**SECTION 4810 - UNIT MASONRY ASSEMBLIES**

The contractor is referred to the specifications and drawings for all details related to this section of the works and he is to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

**Concrete Masonry Unit Walls**

Supply and install non load bearing. Precast Hollow concrete masonry walling; with bedding mortar including pointing and cleaning, reinforced concrete bond beams & columns for high walls, doors sills and jambs, and all necessary and accessories; as per the specifications and drawings.

A	Concrete Hollow Masonry Unit wall (Unit: 400x200; 150mm thick)	20	m2
B	Concrete Hollow Masonry Unit wall (Unit: 400x200; 200mm thick)	10	m2

**DIVISION 05**  
**METAL WORKS**

Item	Description	Qty	Unit
------	-------------	-----	------

**SECTION 05120 STEEL STRUCTURE**

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

- |   |   |    |    |
|---|---|----|----|
| A | Removal of the Eternit Cover in the palyground. Renovation and Painting of the existing Metalic Structures in the playground. Replace the existing eternit with red roof clay tiles including gutters, purlins, beams and all the necessary rain water drainage system and accessories.   | 60 | m2 |
| B | Supply and erect a new steel structure on the roof, approximate area = 20 m2, Complete with Built-up sections: Beams, Columns & Parts (Epoxy Painted), C-Purlin Roof (C20cm; 2.0mm thick; Galv. 275 g/m <sup>2</sup> ), Gutters (2.0mm thick, Galvanized 275 g/m <sup>2</sup> ), Flashing (0.5mm thick, Pre-painted 25μ, Galv. 220 g/m <sup>2</sup> ), Rain water drainage system and red clay tiles for roof covering. | 20 | m2 |

**DIVISION 08**  
**DOORS AND WINDOWS**

Item	Description	Qty	Unit
------	-------------	-----	------

The contractor is referred to the drawings for all details related to this section of the works and he is to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.

**SECTION 08211 - FLUSH WOOD DOORS**

Supply and install HDF laminated weatherproof wooden doors with epoxy painted metal frames, stainless steel ironmongery, painting, as shown and all necessary material and accessories as per the specifications and drawings. The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

- |   |   |   |    |
|---|---|---|----|
| A | Door: Overall Dimension 90 x 220 cm, 50 mm thick single leaf, HDF laminate faced door including metallic frame and stainless steel ironmongery (3x100 mm Rising Butt Hinges, 150x100mm male or female sex symbol, , 1.5 mm midrail plate with 230 x20 mm diameter pull handle, deadlock, complete.) | 1 | No |
|---|---|---|----|

**SECTION 8520 ALUMINIUM DOORS & WINDOWS**

Powder coated Technal double glazed aluminium doors and window. Units glazed and/or non glazed fixed in accordance with the manufacturer's instructions, including frames, sub-frames, angles, channels, glazing ( Th. 8mm) beads, sealant, aluminium in fill panels, fixing accessories, Ironmongery (except where shown in glass door schedule and on the drawings) including glazing and making good as shown on drawings and described in the specifications.

- |   |   |   |    |
|---|---|---|----|
| B | Aluminium hinged or sliding window, leaf with glazing | 4 | m2 |
|---|---|---|----|



**DIVISION 09**  
**FINISHES**

Item	Description	Qty	Unit
<p><u>The contractor is referred to the drawings for all details related to this section of the works and he is to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.</u></p> <p><u>The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.</u></p>			
<b><u>SECTION 09220 PORTLAND CEMENT PLASTER</u></b>			
<p><u>Prepare surfaces, spatterdash, supply and apply ordinary portland cement and sand plaster coat to a minimum thickness of 15 to 20 mm, include metal lath 1 mm thick having approximately 50 nets per m<sup>2</sup> where required, and all expanded metal angle and stop beads at corners and abutments</u></p>			
A	Plasters	155	m2
<b><u>SECTION 09310 CERAMIC TILES</u></b>			
<p><u>First quality ceramic tiles, bedded and jointed in cement and sand mortar, including grouting, all as specified and as shown on the drawings or approved by the Engineer</u></p>			
B	200 x 200 mm Ceramic tiles to Medical Room walls glazed.	10	m2
C	400 x 400 mm Ceramic tiles (Gres Cerame Massive) to Medical Room Floors.	16	m2
D	Skirting to ClassRooms.	16	m
<b><u>SECTION 9340 MARBLE WORKS</u></b>			
<p><u>Approved quality marble works including grouting, beddings, sand bed under flooring pointed in colored cement and polishing with all necessary fixing accessories including chamfering and nosting where required.</u></p>			
E	Door Sills/Threshold 25 mm thick, 100 mm wide marble	1	m
<b><u>SECTION 09912 PAINTS</u></b>			
<p><u>Prepare surfaces and apply prime coat, two undercoats and necessary finishing coats of enamel Paint Matt finish.</u></p> <p><u>Internally: Prime coat, two undercoats and necessary finishing coats of washable paint</u></p>			
F	To plastered walls, columns and ceilings (Interior)	115	m2

**DIVISION 15**  
**MECHANICAL WORKS**

Item	Description	Qty	Unit
------	-------------	-----	------

The contractor is referred to the drawings for all details related to this section of the works and he is to include for complying with all the requirements contained therein, whether or not they are specifically mentioned within the items description.

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

**SECTION 15060 PIPES AND FITTINGS**  
**POLYPROPYLENE (PPR) PIPES - EMBEDDED IN WALLS**

Supply and installation of PPR pipes DHC system underground or embedded in walls and under tiles to bring water from tank to Sink.

Pipes shall be with thermal welded joints, working pressure 14 bars at 60 degrees Celsius complete with connectors, supports, fittings, accessories, material and labor to complete the job.

All pipes inside wet areas are to be included in the item of Piping for:

- |   |                   |   |    |
|---|-------------------|---|----|
| A | Medical Room Sink | 1 | LS |
|---|-------------------|---|----|

**SECTION 15100 VALVES, ACCESSORIES AND SPECIALTIES**

Supply and installation of all necessary valving system for pipe network isolation and balancing needs including all accessories, material and labour to complete the job. Valves Shall be as per specifications.

Bronze gate valve PN-20 serving polypropylene pipe.

Valving System for:

- |   |                   |   |    |
|---|-------------------|---|----|
| B | Medical Room Sink | 1 | LS |
|---|-------------------|---|----|

**SECTION 15175 TANKS**

Water tank: including the supply and fix of float valve with valve, water inlets and outlet with valves, drain, overflow, including connections to the existing system.

- |   |   |   |    |
|---|---|---|----|
| C | Cold water tank (roof) Polyethylene 2000 L., Triple layer | 3 | No |
| D | Drinking water tank (roof) Stainless Steel 2000 L.        | 1 | No |



**DIVISION 15**  
**MECHANICAL WORKS**

Item	Description	Qty	Unit
<b><u>SECTION 15401 WATER TREATMENT SYSTEM</u></b>			
A	Supply and Install Water Treatment solution a to provide a potable solution, free of calcium and bacteria with a flow of 2 cubic meters per day. The solution must be designed for a TDS of 2000ppm, a hardness level of 500mg/L and will include 1 Sand filter, 1 Carbon filter, 1 Dosing pump for chlorine, Reverse Osmosis (720gpd), 1 Softener, 1 UV disinfection( flow 6gpm), 3 Pumping stations, complete with all the necessary accessories and connections.	1	No
B	Supply and Install Water Treatment solution a to provide a solution free of calcium with a flow of 6 cubic meters per day. The solution must be designed for a TDS of 2000 ppm, a hardness level of 500mg/L and will include 1 Sand filter, 1 Softener, 1 Pumping station, complete with all the necessary accessories and connections.	1	No
<b><u>SECTION 15405 WASTE AND DRAINAGE SYSTEM</u></b>			
<b><u>DRAINAGE AND VENT PIPES</u></b>			
<u>Supply and installation of UPVC sewage pipes conforming to EN1401 and DIN 19534 complete with accessories, floor drains, cleanouts, vent caps, fittings, supports, expansion joints, brackets, bonding cement, cleaning material/cleaner, material and labour to complete the job as described in the drawings .</u>			
C	Sewage System for the Medical Room Sink	1	LS
<b><u>FLOOR DRAIN</u></b>			
<u>Supply and Installation of UPVC floor drain with 3x50mm diameter inlet one 75mm diameter outlet including heavy duty nickel bronze, stainless steel, powder coated cast/baked aluminum, chrome plated brass or PVC cover finish material and fittings (minimum water seal: 5cm).</u>			
D	F 3" pipe connection Approved material: ULPI, Haykalplast, Kokoplast Fil or equal	1	No
<b><u>FLOOR/PIPE CLEANOUT</u></b>			
<u>Supply and install UPVC floor cleanout with 110mm diameter outlet including heavy duty nickel bronze, stainless steel, powder coated cast/baked aluminum, chrome plated brass or PVC cover finish material and fittings.</u>			
E	F 4" pipe connection Approved material: Martoni, Nicoll, Redi, Wavin, Kokoplast, El Fil or equal	1	No

**DIVISION 15**  
**MECHANICAL WORKS**

Item	Description	Qty	Unit
------	-------------	-----	------

**SECTION 15440 - PLUMBING FIXTURES****SANITARY FIXTURES AND FITTINGS**

Supply and installation of sanitary fixtures and fittings including all necessary accessories.

The contractor shall install the sanitary fixtures complete with their mixers or taps, chrome plated concealed and bronze valves, waste fittings, angle valves, traps, spouts, trims and accessories.

The contractor shall supply and install all PPR water supply and UPVC drainage pipes inside bathrooms and wet areas, material and labor to complete the job.

- A Wall mounted Solid Polymer square Wash basin made of UV resistant (CORIAN or approved equivalent) and worktop with GROHE mixer or Equivalent for Medical Room, Full with chrome plated contemporary bottle trap and accessories.

1 No

**DIVISION 16**  
**ELECTRICAL WORKS**

Item	Description	Qty	Unit
<b><u>SECTION 16140 WIRING DEVICES</u></b>			
Supply, install and connect the following wiring devices, complete including cover, junction boxes, rigid and flexible medium gauge "PVC" conduits (except where specified otherwise), wires, cables, connectors and all related accessories, as specified and shown on drawings. All rigid and flexible conduits to be with threaded conduit. This includes the supply and installation of the necessary wires, 16mm conduits, from the secondary distribution panel boards to the electrical devices including outlet boxes, cover plates, fittings and all other necessary accessories (Legrand, Vimar or approved equal) .			
A	16A/250V one way one gang weatherproof switch.	2	No
B	16A/250V Grounded 3 pin wall mounted weatherproof socket outlet, simplex.	3	No
C	Lighting Points	4	No

**SECTION 16500 LIGHTING FIXTURES**

Supply and installation of lighting points including "PVC" outlet and junction boxes, rigid and flexible medium gauge "PVC" conduits (except where specified otherwise), wires, cables, connectors... All conduits to be with threaded conduit coupling (threaded glands) between conduits and pull/junction boxes. The lighting points rates have to include wires, 85W lamps and all related accessories from feeding distribution boards, ground continuity conductors from ground terminals in DP to all lighting point, and all related accessories, as specified and shown on drawings and to the satisfaction of the engineer.

D	Surface Mounted High Quality Lighting Fixtures with anodized Aluminum double parabolic mirror louver full with 2 Fluorescent 36W lamps and electronic ballast	4	No
---	---	---	----