



BILL OF QUANTITIES

**PROJECT: NILANDHOO SCHOOL
CLIENT: MINISTRY OF EDUCATION
DATE: FEBRUARY 2017
QS: SHAFEEULLA**

PROJECT: NILANDHOO SCHOOL
SUMMARY OF BILL OF QUANTITIES

| Bl.no | Item Description | Amount |
|--------------|-----------------------------|---------------|
| 1 | PRELIMINARIES | - |
| 2 | GROUND WORKS | - |
| 3 | CONCRETE WORKS | - |
| 4 | MASONRY & PLASTERING | - |
| 5 | FLOORING & TILING | - |
| 6 | DOORS & WINDOWS | - |
| 7 | CEILING | - |
| 8 | PAINTING | - |
| 9 | METAL WORK | - |
| 10 | HYDRAULICS & DRAINAGE | - |
| 11 | ELECTRICAL INSTALLATIONS | - |
| 12 | STAGE | - |
| 13 | ADDITIONS | - |
| 14 | OMISSIONS | - |
| | TOTAL Mrf | - |
| | 6% GST Mrf | - |
| | GRAND TOTAL Mrf | - |

PROJECT : NILANDHOO SCHOOL

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------|--|------|------|---------------|-------------|-------|
| | <u>BILL No: 01</u> <u>PRELIMINARIES</u> | | | | | |
| 1.1 | <u>General Notes</u> | | | | | |
| (1) | <u>Abbreviations</u> m - metre no - numbers m ³ - cubic metre m ² - square metre m - metre t - tonnes incl - including mm - millimetre dia - diameter SS - Stainless Stee GI - Galvanised Iror | | | | | |
| 1.2 | <u>Site Management Costs</u> | | | | | |
| (1) | Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings, fences, Crane/Concrete pump, Machinaries and similar items | Item | 1.00 | | | - |
| 1.3 | <u>Sign Board</u> | | | | | |
| (1) | Allow for sign board. | No | 1.00 | | | - |
| 1.4 | <u>SAFETY ON SITE</u> | | | | | |
| | Safety on site:- Providing and maintaining adequate safety measure on site for all workers and all authorized visitors on site and protecting adjoining properties and people against falling objects or other with regard to the construction works | item | 1.00 | | | - |
| 1.5 | <u>LOGISTICS</u> | | | | | |
| (1) | Charges for supply of materials to the site including transportation, Loading and unloading of materials, for the project construction. | Item | 1.00 | | | - |
| 1.6 | <u>Clean-up</u> | | | | | |
| (1) | Allow for clean-up of completed works and site upon completion. | Item | 1.00 | | | - |
| | BILL No: 01 PRELIMINARIES | | | | | |
| | TOTAL OF BILL No: 01 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------|--|----------------|----------|---------------|-------------|-------|
| | <u>BILL NO : 02</u> <u>GROUND WORK</u> | | | | | |
| 2.1 | <u>General</u> (a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating, additional working space and disposing surplus soil. | | | | | |
| 2.4 | <u>Back filling</u> (a) Rates shall include for: leveling, grading, trimming and compacting. (b) Ground need to be compacted to the density required by the consultant | | | | | |
| 1) | Highly compacted hard core backfilling at excavated area for foundations up to Ground level. | m ³ | 52.08 | | | - |
| 2) | 200mm thick highly compacted hard core from Ground floor to below ground floor slab | m ² | 717.70 | | | - |
| 3) | 50mm thick Cement/sand blinding layer (1:10 - Cement & Local Sand mix) to receive damp proof membrane below ground floor slab | m ² | 717.70 | | | - |
| 2.5 | <u>Damp Proof Membrane</u> (a) Rates shall include for: dressing around and sealing to all penetrations, laps and turnups. | | | | | - |
| 1) | Polythene damp proof membrane (500 gauge) laid on blinding layer. | m ² | 1,032.65 | | | - |
| | | | | | | - |
| | BILL No: 02 GROUND WORKS | | | | | |
| | TOTAL OF BILL No: 02 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| 3.0 | <p align="center">BILL NO : 03 CONCRETE</p> <p>(a) Rates shall include for: placing in position; making good after removal of formwork and casting in all required items; additional concrete required to conform to structural and excavated tolerances.</p> <p>(b) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:2:6 by volume.</p> <p>(c) Quantity is measured to the edges of concrete foundation members. Rates shall be inclusive for any additional concrete</p> | | | | | |
| 1.0 | GROUND FLOOR | | | | | |
| 1.1 | COLUMNS | | | | | |
| | C1 , 450 x 250mm x 40nos | m ³ | 9.15 | | | - |
| | C2 , 500 x 250mm x 14nos | m ³ | 3.06 | | | - |
| | C3 , 250 x 250mm x 9nos | m ³ | 0.98 | | | - |
| 1.2 | STAIRCASE | | | | | |
| | R.c.c. Staircase (Main Staircase) | m ³ | 2.80 | | | - |
| | R.c.c. Staircase up to First floor level | m ³ | 2.70 | | | - |
| 1.3 | R.C.C. GROUND FLOOR SLAB | | | | | |
| | 100mm thick R.C. slab | m ³ | 72.70 | | | - |
| 2.0 | FIRST FLOOR | | | | | |
| 2.1 | SLAB BEAMS | | | | | |
| | B1 , 250 x 650mm | m ³ | 20.64 | | | - |
| | B2 , 200 x 450mm | m ³ | 12.72 | | | - |
| | B3 ,250 x 650mm | m ³ | 2.93 | | | - |
| 2.2 | FLOOR SLAB | | | | | |
| | 150mm thick R.c.c. Floor Slab | m ³ | 106.27 | | | - |
| 2.3 | COLUMNS | | | | | |
| | C1 , 450 x 250mm x 40nos: (3550mm H) | m ³ | 15.98 | | | - |
| | C2 , 500 x 250mm x 14nos: (3550mm H) | m ³ | 6.22 | | | - |
| | C3 , 250 x 250mm x 9nos: (3550mm H) | m ³ | 2.00 | | | - |
| 2.4 | STAIRCASE | | | | | |
| | R.c.c. Staircase | m ³ | 2.60 | | | - |
| 3.0 | SECOND FLOOR | | | | | |
| 3.1 | SLAB BEAMS | | | | | |
| | B1 , 250 x 650mm | m ³ | 5.85 | | | - |
| | B2 , 200 x 450mm | m ³ | 11.65 | | | - |
| | B3 ,250 x 650mm | m ³ | 9.25 | | | - |
| | CB1 ,250 x 650mm | m ³ | 1.76 | | | - |
| 3.2 | FLOOR SLAB | | | | | |
| | 150mm thick R.c.c. Floor Slab | m ³ | 37.21 | | | - |
| 3.3 | COLUMNS | | | | | |
| | C1 , 450 x 250mm x 40nos:(3500mm H) | m ³ | 15.75 | | | - |
| | C2 , 500 x 250mm x 14nos: (3500mm H) | m ³ | 6.13 | | | - |
| 3.4 | PARAPET WALL | | | | | |
| | 100mm thick x 1050mm high R.c.c. Parapet at Catwalk | m ³ | 5.00 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| 4.0 | <u>ROOF LEVEL</u> | | | | | |
| 4.1 | <u>ROOF BEAMS</u> | | | | | |
| | RB1, 250 x 750mm | m ³ | 20.61 | | | - |
| | RB3, 200 x 500mm | m ³ | 4.68 | | | - |
| | RB4, 200 x 450mm | m ³ | 9.05 | | | - |
| | RB5, 200 x 500mm | m ³ | 1.60 | | | - |
| 4.2 | <u>ROOF SLAB</u> | | | | | |
| | 150mm thick R.c.c. Floor Slab | m ³ | 6.00 | | | - |
| 4.3 | <u>PARAPET WALL</u> | | | | | |
| | 200mm thick x 600mm high R.c.c. Parapet wall around roof top slab. | m ³ | 4.75 | | | - |
| 3.1 | <u>FORM WORK</u> | | | | | |
| | (a) Exposed surface shall have fair finish while remaining may have rough finish. | | | | | |
| | (b) Timber used for unexposed concrete surface shall sound dressed and seasoned good quality common timber while for exposed concrete surfaces dressed and matched boards uniformly thick and not more than 251mm wide. | | | | | |
| | (c) Plywood used for forms shall be of commercial standard, moisture resistane concrete form plywood not less than 6mm thick and atleast 12mm thick. | | | | | |
| | (d) Rates shall include for; all necessary boarding, supports, erecting, framing, temporary cambering cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork. | | | | | |
| 1.1 | <u>GROUND FLOOR</u> | | | | | |
| 1.2 | <u>COLUMNS</u> | | | | | |
| | C1 , 450 x 250mm x 40nos | m ² | 113.82 | | | - |
| | C2 , 500 x 250mm x 14nos | m ² | 36.75 | | | - |
| | C3 , 250 x 250mm x 9nos | m ² | 15.75 | | | - |
| 1.3 | <u>STAIRCASE</u> | | | | | |
| | R.c.c. Staircase (Main) | m ² | 24.90 | | | - |
| | R.c.c. Staircase (Grid AB4) | m ² | 22.00 | | | - |
| 1.4 | <u>R.C.C. GROUND FLOOR SLAB</u> | | | | | |
| | 100mm thick R.C. slab | m ² | 11.80 | | | - |
| 2.0 | <u>FIRST FLOOR</u> | | | | | |
| 2.1 | <u>SLAB BEAMS</u> | | | | | |
| | B1 , 250 x 650mm | m ² | 231.10 | | | - |
| | B2 , 200 x 450mm | m ² | 201.40 | | | - |
| | B3 , 250 x 650mm | m ² | 31.60 | | | - |
| 2.2 | <u>FLOOR SLAB</u> | | | | | |
| | 150mm thick R.c.c. Floor Slab | m ² | 708.40 | | | - |
| 2.3 | <u>COLUMNS</u> | | | | | |
| | C1 , 450 x 250mm x 40nos:(3550mm H) | m ² | 198.80 | | | - |
| | C2 , 500 x 250mm x 14nos:(3550mm H) | m ² | 74.55 | | | - |
| | C3 , 250 x 250mm x 9nos: (3550mm H) | m ² | 31.95 | | | - |
| 2.4 | <u>STAIRCASE</u> | | | | | |
| | R.c.c. Staircase | m ² | 21.60 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|--|----------------|-------------|---------------|-------------|-------|
| 3.0 | <u>SECOND FLOOR</u> | | | | | |
| 3.1 | <u>SLAB BEAMS</u> | | | | | |
| | B1 , 250 x 650mm | m ³ | 65.55 | | | - |
| | B2 , 200 x 450mm | m ³ | 172.60 | | | - |
| | B3 ,250 x 650mm | m ³ | 97.45 | | | - |
| | CB1 ,250 x 650mm | m ³ | 19.00 | | | - |
| 3.2 | <u>FLOOR SLAB</u> | | | | | |
| | 150mm thick R.c.c. Floor Slab | m ² | 248.05 | | | - |
| 3.3 | <u>COLUMNS</u> | | | | | |
| | C1 , 450 x 250mm x 40nos:(3500mm H) | m ² | 196.00 | | | - |
| | C2 , 500 x 250mm x 14nos:(3500mm H) | m ² | 73.50 | | | - |
| | C3 , 250 x 250mm x 9nos: (3500mm H) | m ² | 31.50 | | | - |
| 3.4 | <u>PARAPET WALL</u> | | | | | |
| | 100mm thick x 1050mm high r.c.c. parapet wall at Catwalk. | m ² | 100.07 | | | - |
| 4.0 | <u>ROOF LEVEL</u> | | | | | |
| 4.1 | <u>SLAB BEAMS</u> | | | | | |
| | RB1, 250 x 750mm | m ² | 206.20 | | | - |
| | RB3, 200 x 500mm | m ² | 60.85 | | | - |
| | RB4, 200 x 450mm | m ² | 120.47 | | | - |
| | RB5, 200 x 500mm | m ² | 20.30 | | | - |
| 4.2 | <u>FLOOR SLAB</u> | | | | | |
| | 150mm thick R.c.c. Floor Slab | m ² | 50.95 | | | - |
| 4.3 | <u>PARAPET WALL</u> | | | | | |
| | 200mm thick x 600mm high R.c.c. Parapet wall around roof top slab. | m ² | 47.30 | | | - |
| 3.2 | <u>REINFORCEMENT WORK</u> | | | | | |
| | (a) Main reinforcement steel shall be high tensile steel hot rolled deformed bars complying with BS 1119 or BS 1172 Characteristic strength not less than 160N/mm ² . | | | | | |
| | (b) Stirrups shall be hot rolled mildsteel round bars complying with BS 1119, Characteristic strength not less than 250N/mm ² | | | | | |
| | (c) Rates shall include for; distribution steel, cleaning, fabrication, placing, the provision for all necessary temporary fixings, and supports including chairs and tie wire , laps and wastage. | | | | | |
| 1.0 | <u>GROUND FLOOR</u> | | | | | |
| 1) | <u>STAIRCASE</u> | t | 0.76 | | | - |
| | 12mm dia deformed bars - 6m | nos | 97.00 | | | - |
| | 10mm dia deformed bars - 6m | nos | 65.00 | | | - |
| | Binding wire | kg | 15.15 | | | - |
| 2) | <u>GROUND FLOOR SLAB</u> | t | 3.78 | | | - |
| | 10mm dia MS Round bars - 6m | nos | 1,021.00 | | | - |
| | Binding wire | kg | 75.59 | | | - |
| 1.1 | <u>FIRST FLOOR</u> | | | | | |
| 1) | <u>SLAB BEAM</u> | | | | | |
| | B1 , 250 x 650mm | t | 9.80 | | | - |
| | 20mm dia deformed bars - 6m | nos | 237.00 | | | - |
| | 25mm dia deformed bars - 6m | nos | 237.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 600.00 | | | - |
| | Binding wire | kg | 195.92 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------|-----------------------------|----------|--------------|---------------|-------------|-------|
| | B2, 200 x 450mm | t | 2.19 | | | - |
| | 16mm dia deformed bars - 6m | nos | 188.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 307.00 | | | - |
| | Binding wire | kg | 43.82 | | | - |
| | B3, 250 x 650mm | t | 0.57 | | | - |
| | 20mm dia deformed bars - 6m | nos | 27.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 126.00 | | | - |
| | Binding wire | kg | 11.36 | | | - |
| 2) | <u>FLOOR SLAB</u> | t | 11.72 | | | - |
| | 10mm dia deformed bars - 6m | nos | 3,166.00 | | | - |
| | Binding wire | kg | 234.41 | | | - |
| 3) | <u>COLUMNS</u> | | | | | |
| | C1 , 450 x 250mm x 40nos: | t | 6.61 | | | - |
| | 20mm dia deformed bars - 6m | nos | 400.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 512.00 | | | - |
| | Binding wire | kg | 132.15 | | | - |
| | C2, 500 x 250mm x 14nos | t | 2.90 | | | - |
| | 20mm dia deformed bars - 6m | nos | 180.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 174.00 | | | - |
| | Binding wire | kg | 57.97 | | | - |
| | C3, 250 x 250mm x 9nos | t | 0.38 | | | - |
| | 16mm dia deformed bars - 6m | nos | 36.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 26.00 | | | - |
| | Binding wire | kg | 7.52 | | | - |
| 4) | <u>STAIRCASE</u> | t | 0.39 | | | - |
| | 12mm dia deformed bars - 6m | nos | 46.00 | | | - |
| | 10mm dia deformed bars - 6m | nos | 38.00 | | | - |
| | Binding wire | kg | 7.72 | | | - |
| 1.2 | <u>SECOND FLOOR</u> | | | | | |
| 1) | <u>SLAB BEAM</u> | | | | | |
| | B1 , 250 x 650mm | t | 2.97 | | | - |
| | 20mm dia deformed bars - 6m | nos | 72.00 | | | - |
| | 25mm dia deformed bars - 6m | nos | 72.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 174.00 | | | - |
| | Binding wire | kg | 59.30 | | | - |
| | B2, 200 x 450mm | t | 1.27 | | | - |
| | 16mm dia deformed bars - 6m | nos | 109.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 181.00 | | | - |
| | Binding wire | kg | 25.49 | | | - |
| | B3, 250 x 650mm | t | 1.62 | | | - |
| | 20mm dia deformed bars - 6m | nos | 93.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 184.00 | | | - |
| | Binding wire | kg | 32.46 | | | - |
| | CB1, 250 x 500mm | t | 1.04 | | | - |
| | 20mm dia deformed bars - 6m | nos | 56.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 157.00 | | | - |
| | Binding wire | kg | 20.77 | | | - |
| 2) | <u>FLOOR SLAB</u> | t | 4.43 | | | - |
| | 10mm dia deformed bars - 6m | nos | 1,110.00 | | | - |
| | 12mm dia deformed bars - 6m | nos | 61.00 | | | - |
| | Binding wire | kg | 88.68 | | | - |
| 3) | <u>COLUMNS</u> | | | | | |
| | C1 , 450 x 250mm x 40nos: | t | 3.64 | | | - |
| | 20mm dia deformed bars - 6m | nos | 200.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 512.00 | | | - |
| | Binding wire | kg | 72.90 | | | - |
| | C2, 500 x 250mm x 14nos | t | 1.57 | | | - |
| | 20mm dia deformed bars - 6m | nos | 90.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 174.00 | | | - |
| | Binding wire | kg | 31.30 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------|--|----------------|-------------|---------------|-------------|-------|
| 4) | <u>PARAPET WALL</u> 100mm thick x 1050mm high R.c.c. Parapet wall at Catwalk | t | 0.56 | | | - |
| | 10mm dia deformed bars - 6m | nos | 152.00 | | | - |
| | Binding wire | kg | 11.25 | | | - |
| 1.3 | <u>ROOF LEVEL</u> | | | | | |
| 1) | <u>SLAB BEAM</u> RB1 , 250 x 750mm | t | 6.95 | | | - |
| | 25mm dia deformed bars - 6m | nos | 217.00 | | | - |
| | 10mm dia deformed bars - 6m | nos | 520.00 | | | - |
| | Binding wire | kg | 138.96 | | | - |
| | RB3 , 200 x 500mm | t | 1.00 | | | - |
| | 16mm dia deformed bars - 6m | nos | 96.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 70.00 | | | - |
| | Binding wire | kg | 20.07 | | | - |
| | RB4 , 200 x 450mm | t | 1.01 | | | - |
| | 16mm dia deformed bars - 6m | nos | 86.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 147.00 | | | - |
| | Binding wire | kg | 20.22 | | | - |
| | RB5 , 200 x 500mm | t | 1.10 | | | - |
| | 16mm dia deformed bars - 6m | nos | 112.00 | | | - |
| | 6mm dia MS Round bars - 6m | nos | 26.00 | | | - |
| | Binding wire | kg | 21.93 | | | - |
| 2) | <u>FLOOR SLAB</u> | t | 0.84 | | | - |
| | 10mm dia deformed bars - 6m | nos | 228.00 | | | - |
| | Binding wire | kg | 16.88 | | | - |
| 3) | <u>PARAPET WALL</u> 200mm thick x 600mm high R.c.c. Parapet wall around roof top slab. | t | 0.53 | | | - |
| | 10mm dia deformed bars - 6m | nos | 144.00 | | | - |
| | Binding wire | kg | 10.66 | | | - |
| 3.3 | <u>OTHER CONCRETE WORKS</u> | | | | | - |
| a) | <u>WINDOW SILL & LINTELS</u> Charges for construction of R.c.c. Sills and Lintels for the windows and doors as per details. Rate shall include for shuttering and Reinforcement works complete. | m ³ | 18.70 | | | - |
| b) | <u>PARAPET WALL</u> Charges for construction of 100mm thick R.c.c.Parapet wall at First floor as per details. Rate shall include for Shuttering and Reinforcement work complete. (refer drawing no: A 12) | m ³ | 2.26 | | | - |
| c) | <u>GROUND WATER WELL</u> Charges for Construction and Installation of 1200mm dia. R.c.c. Ground water well, Base slab & Top cover slab as per drawing details. Rate shall include for; Excavation, form work, reinforcement, Lifting hooks, gravel filling etc complete. | m ³ | 1.60 | | | - |
| c) | <u>COUNTER SLAB</u> 75mm thick R.c.c.slabs for Laboratory sink counter, complete including shuttering reinforcement and concrete works. | m ³ | 3.60 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| 3.4 | <u>WATER PROOFING & ADD MIXTURES</u> | | | | | - |
| (a) | Apply Rubberised bitumin water proofing paint, Conmix Moya Shield RBE , 2 coats to all exposed concrete and masonry surface below ground level. | m ² | 694.70 | | | - |
| (b) | Add approved water proofing admixture Conmix Mega Add WL1 as per specification to all concrete below ground level. | item | 1.00 | | | - |
| (c) | Add Plasticiser admixture Conmix Mega Flow P as per specification to all concrete Substructure and Super structure. | item | 1.00 | | | - |
| | BILL No: 03 - CONCRETE WORKS | | | | | |
| | TOTAL OF BILL No: 03 - Carried over to summary | | | | | - |
| 4.1 | <u>BILL No: 04</u> <u>MASONRY AND PLASTERING</u> <u>General</u> | | | | | |
| | a) Rates shall include for cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs. | | | | | |
| | b) Cutting or leaving holes and openings as recesses for and building in pipes, conduits , sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashings, bedding frames or plates, building in joints. | | | | | |
| | c) All external wall and all inetrenal walls shall be 100mm thick Solid cement blocks and for masonry mix ratio 1:5 (cement and river sand) | | | | | |
| 4.2 | <u>MASONRY</u> | | | | | |
| 1.0 | <u>BELOW GROUND LEVEL</u> | | | | | |
| | 200mm thick Solid block wall 200x100x50mm MCPW solid block wall above all foundation beams. | m ² | 193.90 | | | - |
| 2.0 | <u>GROUND FLOOR</u> | | | | | |
| 1) | External walls | | | | | - |
| a) | 150mm thick Block wall with 300 x 150 x 150mm thick Solid blocks. | m ² | 375.80 | | | - |
| 2) | Interior walls | | | | | - |
| a) | 150mm thick Block wall with 300 x 150 x 150mm thick Solid blocks. | m ² | 165.80 | | | - |
| 3.0 | <u>FIRST FLOOR</u> | | | | | |
| 1) | External walls | | | | | - |
| a) | 150mm thick Block wall with 300 x 150 x 150mm thick Solid blocks. | m ² | 362.00 | | | - |
| 2) | Interior walls | | | | | - |
| a) | 150mm thick Block wall with 300 x 150 x 150mm thick Solid blocks. | m ² | 32.10 | | | - |
| 4.0 | <u>SECOND FLOOR</u> | | | | | |
| 1) | External walls | | | | | - |
| a) | 150mm thick Block wall with 300 x 150 x 150mm thick Solid blocks. | m ² | 303.00 | | | - |
| 2) | Interior walls | | | | | - |
| a) | 150mm thick Block wall with 300 x 150 x 150mm thick Solid blocks. | m ² | 119.30 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| 4.3 | <u>PLASTERING</u> | | | | | |
| | (a) 20mm thick Cement plastering on Exterior surface of External masonry walls and concrete surfaces and 15mm thick plastering on interior walls and concrete surface as specified incl. wire mesh shall be fixed at the joints of concrete surfaces and walls before plastering. Quantity is measured including concrete surfaces - Parapetwalls, Liftwalls, columns & beams. | | | | | |
| | (b) Rates shall include for External plastering shall 20mm thick (12+8mm) 2 coats in 1:4 cement and river sand mix ratio | | | | | |
| | (c) Rates shall include for approved brand water proofing compound shall be mixed with cement mortar for external wall plastering as per manufacturers specifications. | | | | | |
| 1.0 | <u>BELOW GROUND LEVEL</u> | | | | | |
| 1) | <u>15mm thick Plastering</u> Both surface of below ground walls | m ² | 387.80 | | | - |
| 2.0 | <u>GROUND FLOOR</u> | | | | | |
| 1) | External Plastering External surface of exeterior wall | m ² | 595.40 | | | - |
| 2) | Internal Plastering Internal surface of external wall and both surface of Interior walls | m ² | 809.20 | | | - |
| 3.0 | <u>FIRST FLOOR</u> | | | | | |
| 1) | External Plastering External surface of exeterior wall | m ² | 472.00 | | | - |
| 2) | Internal Plastering Internal surface of external wall and both surface of Interior walls | m ² | 463.70 | | | - |
| 4.0 | <u>SECOND FLOOR</u> | | | | | |
| 1) | External Plastering External surface of exeterior wall | m ² | 344.40 | | | - |
| 2) | Internal Plastering Internal surface of external wall and both surface of Interior walls | m ² | 747.15 | | | - |
| 5.0 | <u>ROOF LEVEL</u> | | | | | |
| 1) | External Plastering External surface of exeterior wall | m ² | 55.20 | | | - |
| 4.4 | <u>PLASTERING ADMIXTURE</u> Charges for Plastering admixture Conmix Megaflow MP to be mixed with the plastering mortar to all External and Interior plastering works. | item | 1.00 | | | - |
| | BILL No: 04 - MASONRY AND PLASTERING | | | | | |
| | TOTAL OF BILL No: 04 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| | BILL NO: 05 FLOORING & TILING | | | | | |
| 5.1 | General (a) Rates shall include for laying 50mm thick cement mortar in 1 : 5 mix ratio, cleaning down to reveals where necessary and water proofing of Toilet and Balcony floors & Terrace. | | | | | |
| 5.2 | FLOORING | | | | | |
| | 50mm thick Floor Screeding | | | | | |
| 1.0 | GROUND FLOOR | | | | | - |
| | Class rooms | m ² | 205.84 | | | - |
| | Laboratories | m ² | 156.04 | | | - |
| | Stores | m ² | 33.60 | | | - |
| | Preparatory | m ² | 15.60 | | | - |
| | Corridor | m ² | 252.63 | | | - |
| | Toilets | m ² | 8.02 | | | - |
| | Mop | m ² | 0.78 | | | - |
| | Staircase (Main) | m ² | 14.70 | | | - |
| | Staircase (Grid AB 4) | m ² | 15.15 | | | - |
| | Entrance Steps | m ² | 23.12 | | | - |
| 2.0 | FIRST FLOOR | | | | | - |
| | Class rooms | m ² | 102.92 | | | - |
| | Multipurpose hall | m ² | 458.00 | | | - |
| | Balcony | m ² | 55.95 | | | - |
| | Walkway | m ² | 46.50 | | | - |
| | Staircase | m ² | 14.70 | | | - |
| | Toilet - W/C | m ² | 6.45 | | | - |
| 3.0 | SECOND FLOOR | | | | | - |
| | Class rooms | m ² | 102.92 | | | - |
| | Store | m ² | 24.90 | | | - |
| | Walkway | m ² | 32.30 | | | - |
| | Catwalkway | m ² | 77.90 | | | - |
| 4.0 | ROOF LEVEL | | | | | - |
| | Roof Terrace / Gutter | m ² | 43.45 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|--|----------------|--------|---------------|-------------|-------|
| 5.3 | <u>TILING</u> | | | | | |
| | (a) Rates shall include for: Fixing, bedding, grouting, and pointing materials, making good around pipes, sanitary fixtures, and similar; cleaning & Polishing. | | | | | |
| | (b) All Tiling work in accordance with specifications and finishes schedule. | | | | | |
| | (c) Tiles for all general areas shall be 450 x 150mm Polished Ceramic tiles & Corridor and balconies 600 x 600mm non slip ceramic tiles. | | | | | |
| | (d) Toilet wall tiles shall be 300 x 600 mm size ceramic Polished tiles including designed border tiles and Toilet Floor Tiles shall be 300 x 300mm Non- Slip ceramic Tiles. | | | | | |
| 1.0 | <u>GROUND FLOOR</u> | | | | | |
| A) | <u>FLOOR TILING</u> | | | | | |
| 1) | <u>450 x 450mm Polished Ceramic tiles</u> | | | | | |
| | Class rooms | m ² | 205.84 | | | - |
| | Laboratories | m ² | 156.04 | | | - |
| | Stores | m ² | 33.60 | | | - |
| | Preparatory | m ² | 15.60 | | | - |
| 2) | <u>600 x 600mm Non Slip Ceramic tiles</u> | | | | | |
| | Corridor | m ² | 252.63 | | | - |
| 3) | <u>Homogeneous/Porcelain Step Tiles</u> | | | | | |
| | Staircase (Main) | m ² | 14.70 | | | - |
| | Staircase (Grid AB 4) | m ² | 15.15 | | | - |
| | Entrance Steps | m ² | 23.12 | | | - |
| 4) | <u>300 x 300mm Non slip Ceramic Tiles</u> | | | | | |
| | Toilet - W/C & wash | m ² | 8.02 | | | - |
| B) | <u>WALL TILING</u> | | | | | |
| | <u>300 x 600mm Polished Ceramic Wall Tiles. (Rate shall include for 300 x 100mm Design border tiles @ 1200mm high on toilet walls)</u> | | | | | |
| | Toilet @ 2.4M height | m ² | 31.20 | | | - |
| | Vanity Counter | m ² | 1.20 | | | - |
| | Counter Slab & wall for Laboratory sink | m ² | 71.10 | | | - |
| C) | <u>SKIRTING</u> | | | | | |
| 1) | Skirting - 600 x 100mm Ceramic Tiles | m | 333.00 | | | - |
| 2.0 | <u>FIRST FLOOR</u> | | | | | |
| A) | <u>FLOOR TILING</u> | | | | | |
| 1) | <u>450 x 450mm Polished Ceramic tiles</u> | | | | | |
| | Class rooms | m ² | 102.92 | | | - |
| 2) | <u>600 x 600mm Non Slip Ceramic tiles</u> | | | | | |
| | Walkway | m ² | 46.50 | | | - |
| | Balcony | m ² | 55.95 | | | - |
| 3) | <u>Homogeneous/Porcelain Step Tiles</u> | | | | | |
| | Staircase (Main) | m ² | 14.70 | | | - |
| 4) | <u>300 x 300mm Non slip Ceramic Tiles</u> | | | | | |
| | Toilet - W/C & wash | m ² | 6.45 | | | - |
| B) | <u>WALL TILING</u> | | | | | |
| | <u>300 x 600mm Polished Ceramic Wall Tiles. (Rate shall include for 300 x 100mm Design border tiles @ 1200mm high on toilet walls)</u> | | | | | |
| | Toilet @ 2.4M height | m ² | 35.90 | | | - |
| C) | <u>SKIRTING</u> | | | | | |
| 1) | Skirting - 600 x 100mm Ceramic Tiles | m | 164.00 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| 3.0 | <u>SECOND FLOOR</u> | | | | | |
| A) | <u>FLOOR TILING</u> | | | | | |
| 1) | <u>450 x 450mm Polished Ceramic tiles</u> Class rooms | m ² | 102.92 | | | - |
| | Store | m ² | 24.90 | | | - |
| 2) | <u>600 x 600mm Non Slip Ceramic tiles</u> Walkway | m ² | 32.30 | | | - |
| B) | <u>SKIRTING</u> | | | | | |
| 1) | Skirting - 600 x 100mm Ceramic Tiles | m | 104.50 | | | - |
| 6.0 | <u>ROOF LEVEL</u> | | | | | |
| A) | <u>FLOOR TILING</u> | | | | | |
| 2) | <u>600 x 600mm Non slip Ceramic tiles</u> Terrace / Gutter slab | m ² | 43.45 | | | - |
| B) | <u>WALL TILING</u> | | | | | |
| 1) | 300mm high Wall tiling on inside surface of Gutter wall & Parapet wall | m | 11.60 | | | - |
| 5.5 | <u>TILE ADHESIVE</u> | | | | | |
| 1) | Charges for supplying special tiles adhesive Conmix C500 for fixing Ceramic tiles. | item | 1.00 | | | - |
| 5.6 | <u>WATER PROOFING</u> | | | | | |
| 1) | Charges for Apply 2 coats of water proofing compound Conmix WS2 as per specifications | | | | | |
| | Ground floor - Toilets | m ² | 8.02 | | | - |
| | First floor - Toilets | m ² | 6.45 | | | - |
| | Roof - Terrace / R.c.c. Gutter | m ² | 43.45 | | | - |
| | BILL No: 05 -FLOORING AND TILING | | | | | |
| | TOTAL OF BILL No: 05 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|------|-------|---------------|-------------|-------|
| 6.1 | <p align="center">BILL NO: 06 DOORS AND WINDOWS</p> <p>General</p> <p>(a) Rates shall include for locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware.</p> <p>(b) Rates shall include for door frames and window frames, mullions, transoms, trims, glazing, tinting, timber panels, boardings, framing, lining, fastenings and all fixings and installation.</p> <p>(c) All Timber door frames shall be treated timber. Rate shall include for Paint/Varnish finish.</p> <p>(d) All louvres, windows and sliding doors shall be 30 micron powder coated aluminium as per details given in Door/Window schedule.</p> <p>(e) All doors and windows shall be accordance with door/window drawing details.</p> | | | | | |
| 1.0 | GROUND FLOOR | | | | | |
| | DOOR UNITS | | | | | |
| 1) | D2 - Solid Timber framed door with Solid Timber door panel, 950 x 2000mm. | no | 11.00 | | | - |
| 2) | D3 - 80micron White powder coated aluminium framed door with Aluminium door panel, 950 x 2000mm. | no | 5.00 | | | - |
| 3) | D4 - 80micron White powder coated aluminium framed door with Aluminium door panel including aluminium louvers, 950 x 2000mm. | no | 1.00 | | | - |
| 4) | D5 - 80micron White powder coated aluminium framed door with Aluminium door panel including aluminium louvers, 700 x 2000mm. | no | 2.00 | | | - |
| | WINDOW UNITS | | | | | |
| 1) | W1 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed Louvered & glass panels at top , 2440 x 1665mm | no | 12.00 | | | - |
| 2) | W2 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed glass panels at top , 1550 x 1000mm | no | 9.00 | | | - |
| 3) | W3 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed glass panels at top , 1850 x 1665mm | no | 2.00 | | | - |
| 4) | W4 - 80micron White Powder Coated Aluminium framed Window with fixed aluminium panels , 1850 x 670mm | no | 3.00 | | | - |
| 5) | W5 - 80micron White Powder Coated Aluminium framed Window with fixed aluminium panels , 750 x 700mm | no | 2.00 | | | - |
| | SHADING DEVICE | | | | | |
| 1) | TYPE 01 - Coated Aluminium frame with Louvered aluminium panels, 650mm high (Length to be verified from the floor plan / Elevations) | no | 16.00 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|--|------|-------|---------------|-------------|-------|
| 2.0 | FIRST FLOOR | | | | | |
| | DOOR UNITS | | | | | |
| 1) | D1 -80 micron White Powder coated Aluminium framed door with 6mm thick Laminated Blue glass panels, 1850 x 2620mm. | no | 8.00 | | | - |
| 2) | D2 - Solid Timber framed door with Solid Timber door panel, 950 x 2000mm. | no | 3.00 | | | - |
| 3) | D3 - 80micron White powder coated aluminium framed door with Aluminium door panel, 950 x 2000mm. | no | 5.00 | | | - |
| 4) | D4 - 80micron White powder coated aluminium framed door with Aluminium door panel including aluminium louvers, 950 x 2000mm. | no | 1.00 | | | - |
| 5) | D5 - 80micron White powder coated aluminium framed door with Aluminium door panel including aluminium louvers, 700 x 2000mm. | no | 2.00 | | | - |
| | WINDOW UNITS | | | | | |
| 1) | W1 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed Louvered & glass panels at top , 2440 x 1665mm | no | 5.00 | | | - |
| 2) | W2 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed glass panels at top , 1550 x 1000mm | no | 3.00 | | | - |
| 3) | W3 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed glass panels at top , 1850 x 1665mm | no | 7.00 | | | - |
| 4) | W4 - 80micron White Powder Coated Aluminium framed Window with fixed aluminium panels , 1850 x 670mm | no | 2.00 | | | - |
| | SHADING DEVICE | | | | | |
| 1) | TYPE 01 - Coated Aluminium frame with Louvered aluminium panels, 650mm high (Length to be verified from the floor plan / Elevations) | no | 7.00 | | | - |
| 3.0 | SECOND FLOOR | | | | | |
| | DOOR UNITS | | | | | |
| 1) | D1 -80 micron White Powder coated Aluminium framed door with 6mm thick Laminated Blue glass panels, 1850 x 2620mm. | no | 2.00 | | | - |
| 2) | D2 - Solid Timber framed door with Solid Timber door panel, 950 x 2000mm. | no | 3.00 | | | - |
| | WINDOW UNITS | | | | | |
| 1) | W1 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed Louvered & glass panels at top , 2440 x 1665mm | no | 5.00 | | | - |
| 2) | W2 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed glass panels at top , 1550 x 1000mm | no | 3.00 | | | - |
| 3) | W3 - 80micron White Powder Coated Aluminium framed Window with Sliding glass panels and Fixed glass panels at top , 1850 x 1665mm | no | 13.00 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|---|--|------|-------|---------------|-------------|-------|
| 4) | W4 - 80micron White Powder Coated Aluminium framed Window with fixed aluminium panels , 1850 x 670mm | no | 1.00 | | | - |
| SHADING DEVICE | | | | | | |
| 1) | TYPE 01 - Coated Aluminium frame with Louvered aluminium panels, 3000 x 650mm | no | 10.00 | | | - |
| 2) | TYPE 02 - Coated Aluminium frame with Louvered aluminium panels, 1800 x 650mm | no | 2.00 | | | - |
| BILL NO: 06 - DOORS AND WINDOWS | | | | | | |
| TOTAL OF BILL No: 06 - Carried over to summary | | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|--------------|---|----------------|--------|---------------|-------------|-------|
| 7.1 | <p align="center">BILL No: 07 WOOD WORK & CEILING</p> <p>General</p> <p>(a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails, bolts & screws.</p> <p>(b) Rates shall include for applying approved quality wood preservatives as per manufactures instructions for all Timber structures.</p> <p>(c) Rates shall include for 9mm thick Cement board fixed on 35 x 50mm Timber frame, trimming, nails, screws, hooks, hangers, clips and similar.</p> | | | | | |
| 7.2 | CEILING | | | | | |
| 1.0 | SUSPENDED ACOUSTIC CEILING SYSTEM ON ALUMINIUM FRAME | | | | | |
| | Second floor | m ² | 618.15 | | | |
| 2.0 | 9MM THICK CEMENT BOARD CEILING ON 50 X 35MM THICK TIMBER FRAME | | | | | |
| | Ground floor - Toilet | m ² | 8.02 | | | - |
| | First floor - Toilet & Balcony | m ² | 66.80 | | | - |
| 3.0 | 6MM THICK CEMENT BOARD CEILING ON 50 X 35MM THICK TIMBER FRAME | | | | | |
| | First floor - Eave Ceiling | m ² | 17.25 | | | - |
| | Roof Level - Eave Ceiling | m ² | 111.70 | | | - |
| 7.3 | WOOD WORK | | | | | |
| 7.3.1 | Ground floor - Laboratory Sink Cup boards | | | | | |
| 1) | Charges for supply, Fabrication and Installation of Laboratory sink cupboards as per client's requirement and specifications. | item | 1.00 | | | - |
| 7.3.2 | ROOF LEVEL | | | | | |
| 1) | Timber Fascia Board: Supply and Fixing 25 x 250mm wide Timber Fascia board complete including Paint finishes. | mtr | 156.00 | | | - |
| 7.4 | ROOF FRAMING | | | | | |
| | FIRST FLOOR | | | | | - |
| | 50 x 150mm Timber Rafters | m | 110.00 | | | - |
| | 100 x 200mm Timber to be fixed on the wal | m | 31.50 | | | - |
| | 75 x 100mm Timber wall Plate | m | 31.50 | | | - |
| | 50 x 50mm Timber battens | m | 190.00 | | | - |
| | 25 x 200mm Timber Fascia board | m | 31.50 | | | - |
| | Roof covering with Lysaght roofing sheets | m ² | | | | - |
| | BILL No: 07 - WOOD WORK & CEILING | | | | | - |
| | TOTAL OF BILL No: 07 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|--|----------------|--------|---------------|-------------|-------|
| 8.1 | General BILL No: 08 PAINTING | | | | | |
| | (a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and/or masking floors, fittings and similar work, removing and replacing door and window furniture. (b) All painting work shall be carried in accordance with the Specifications (c)Rate shall include for Nippon brand weather proof paint finish for exterior surfaces of the wall complete including application of two coats of oil based wall sealer and two coats of weather bond paint (d)Rate shall include for Conmix Conputty and Nippon brand Emulsion paint finish for interior surfaces of the wall and ceilings complete including application of two coats of wall sealer, two coats of putty finish and two coats of emulsion paint finish on top for Interior painting. | | | | | |
| 1.0 | GROUND FLOOR | | | | | |
| | Painting, Nippon brand weather bond paint , exterior surfaces of External Wall, Columns & beams. | m ² | 595.40 | | | - |
| | Painting, Nippon brand Emulsion paint , on interior surfaces (Wall, Columns & beams) | m ² | 809.20 | | | - |
| | Painting, Nippon brand Emulsion paint , Soffit of Slab / Ceiling. | m ² | 702.35 | | | - |
| 2.0 | FIRST FLOOR | | | | | |
| | Painting, Nippon brand weather bond paint , exterior surfaces of External Wall, Columns & beams. | m ² | 472.00 | | | - |
| | Painting, Nippon brand Emulsion paint , on interior surfaces (Wall, Columns & beams) | m ² | 463.70 | | | - |
| | Painting, Nippon brand Emulsion paint , Soffit of Slab / Ceiling. | m ² | 266.20 | | | - |
| | Floor Paint - Apply 2 coats of Epoxy floor paint finishes including one coat primer in Multi purpose hall floor . | m ² | 362.25 | | | - |
| 3.0 | SECOND FLOOR | | | | | |
| | Painting, Nippon brand weather bond paint , exterior surfaces of External Wall, Columns & beams. | m ² | 344.40 | | | - |
| | Painting, Nippon brand Emulsion paint , on interior surfaces (Wall, Columns & beams) | m ² | 747.15 | | | - |
| | Painting, Nippon brand Emulsion paint , Soffit of Slab / Ceiling. | m ² | 740.00 | | | - |
| | Floor Paint - Apply 2 coats of Epoxy floor paint finishes including one coat primer on Catwalkway floor . | m ² | 77.90 | | | - |
| 4.0 | ROOF LEVEL | | | | | |
| | Painting, Nippon brand weather bond paint , exterior surfaces of External Wall, Columns & beams. | m ² | 55.20 | | | - |
| | BILL No: 08 - PAINTING | | | | | |
| | TOTAL OF BILL No: 08 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|----------|---------------|-------------|-------|
| | BILL No: 09 METAL WORK | | | | | |
| 9.1 | General (a) Rates shall include for ; all labour in framing, cutting, welding, cleats, baseplates, flanges,screws, nails, bends, and similar complete with grinding, surface smoothening and polish finishes. | | | | | |
| 9.2 | RAILING | | | | | |
| 1.0 | GROUND FLOOR | | | | | |
| 1) | G.I. PIPE Railing - Staircase 1 & 2 Supply, Fabrication and Fixing RAILING G.I.PIPE complete including paint finishes - Fixed at Middle of the Staircase as per details | m | 14.00 | | | - |
| | Supply, Fabrication and Fixing RAILING G.I.PIPE complete including paint finishes Fixed at both Sides of the Staircase as per details | m | 13.50 | | | - |
| 2.0 | FIRST FLOOR | | | | | |
| 1) | G.I. PIPE Railing - Staircase 1 & 2 complete including paint finishes - Fixed at Middle of the Staircase as per details | m | 12.50 | | | - |
| | Supply, Fabrication and Fixing RAILING G.I.PIPE complete including paint finishes Fixed at both Sides of the Staircase as per details | m | 6.70 | | | - |
| 2) | G.I. PIPE Railing - BALCONY Supply, Fabrication and Fixing RAILING G.I.PIPE complete including paint finishes | m | 26.60 | | | - |
| 9.2 | ROOFING | | | | | |
| 1) | Roof Truss - Supply, Fabrication and Fixing Roof Trusses complete with Base plates, Bolts, nuts, Washers etc including Paint Finishes. Refer drawing detail S 18 | | | | | - |
| | TR1 - 12.6mtr length | no | 4.00 | | | - |
| | TR2 - 8.9mtr length | no | 10.00 | | | - |
| | TR3 - 4.9mtr length | no | 8.00 | | | - |
| | TR4 - 5.1mtr length | no | 4.00 | | | - |
| | TR5 - 4.1mtr length | no | 8.00 | | | - |
| | TR6 - 6.95mtr length | no | 4.00 | | | - |
| | BB1 - 4.3mtr length | no | 2.00 | | | - |
| | BB2 - 2.9mtr length | no | 1.00 | | | - |
| 2) | Connection Pipes: Supply and Fixing 60.3 x 2.5mm thick CHS (G.I) to be welded at the bottom of the Trusses as connection member. | Mtr | 7.60 | | | - |
| 3) | Supply and Fixing C - Purlins 100 10 (GI) @ 900mm spacing | Mtr | 1,011.00 | | | - |
| 4) | Roof Covering at Roof level - Supply and Fixing BHP Lysaght Roofing sheet | m ² | 781.35 | | | - |
| 5) | 50mm thick double side Aluminium Foiled Rock wool Insulation laid as heat resistant below roofing sheet. | m ² | 781.35 | | | - |
| 6) | 25mm grid G.I. mesh laid as support to under the Rock wool insulation | m ² | 781.35 | | | - |
| 7) | Capping - Supply and Fixing 600mm wide Lysaght Ridge Capping | mtr | 83.20 | | | - |
| 8) | Gutter - Supply and Fixing 150 x 200mm Lysaght Gutter complete including brackets and clips. | mtr | 156.00 | | | - |
| | BILL No: 09 - METAL WORK | | | | | |
| | TOTAL OF BILL No: 09 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|-------------|--|----------------|-------|---------------|-------------|-------|
| | BILL No: 10 HYDRAULICS & DRAINAGE | | | | | |
| 10.1 | General (a) Design provide and install plumbing network for the entire building complete in accordance to standard set by the local governing body MWSC (b) The following items and description and the plumbing drawings are given as guidance as to the nature of the information to be returned by the contractor. (c) Ground water connection shall be made as specified in the drawings. connectors, elbows, junctions, reducers, expansion joints, back nuts and similar, incidental fittings, clips, saddles, brackets, straps, hangers, screws, nails , (e) All pipes shall be High Pressure uPVC "Mutha" or equivalent brand. | | | | | |
| 1.0 | GROUND FLOOR | | | | | - |
| 1) | HYDRAULICS | | | | | |
| a) | Charges for Piping for fresh water Pipe work | item | 1.00 | | | - |
| b) | Charges for Piping for Ground water supply pipe work. | item | 1.00 | | | - |
| c) | Charges for Providing and Fixing Heavy duty water pump Davey brand for Ground water supply to all floors - ground water net work. | no | 1.00 | | | - |
| 2) | SANITARY FIXTURES & ACCESSORIES | | | | | - |
| 1) | WC with basin (Cotto brand) | no | 2.00 | | | - |
| 2) | Wash basin with trap (Cotto brand) | no | 1.00 | | | - |
| 3) | Wash basin tap (Watertec brand) | no | 1.00 | | | - |
| 4) | Toilet paper holder | no | 2.00 | | | - |
| 5) | Mirror set (1.5mtr L x 600mm H) | no | 1.00 | | | - |
| 6) | Muslim Shower (Watertec brand) | no | 2.00 | | | - |
| 7) | Floor drain with trap | no | 2.00 | | | - |
| 8) | Water taps (Watertec brand) | no | 1.00 | | | - |
| 9) | Laboratory sink (300mm deep Ceramic) | no | 28.00 | | | - |
| 10) | Laboratory Sink taps | no | 28.00 | | | - |
| 11) | Wasting trap & plug | no | 28.00 | | | - |
| 12) | Stop valves | no | 8.00 | | | - |
| 2) | DRAINAGE | | | | | - |
| 1) | SEWERAGE & DRAINAGE: Charges for piping for all discharge pipes, sewerage and drainage pipes including connection Main junctions from the Fixtures. | item | 1.00 | | | - |
| 2) | INSPECTION CHAMBERS: Charges for construction and Pipe connection of Inspection chambers as per drawing | item | 3.00 | | | - |
| 3) | SOAK PIT : Charges for Construction and Installation of 1800mm dia. R.c.c. Soak Pit as per drawing details. Rate shall include for; Excavation, form work, reinforcement, Lifting hooks, gravel filling etc complete. | m ³ | 1.80 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|------|------|---------------|-------------|-------|
| 2.0 | FIRST FLOOR | | | | | |
| 1) | HYDRAULICS | | | | | |
| a) | Charges for Piping for fresh water Pipe work | item | 1.00 | | | - |
| b) | Charges for Piping for Ground water supply pipe work. | item | 1.00 | | | - |
| 2) | SANITARY FIXTURES & ACCESSORIES | | | | | |
| 1) | WC with basin (Cotto brand) | no | 2.00 | | | - |
| 2) | Wash basin with trap (Cotto brand) | no | 2.00 | | | - |
| 3) | Wash basin tap (Watertec brand) | no | 2.00 | | | - |
| 4) | Toilet paper holder | no | 2.00 | | | - |
| 5) | Mirror set (1.2mtr L x 600mm H) | no | 2.00 | | | - |
| 6) | Muslim Shower (Watertec brand) | no | 2.00 | | | - |
| 7) | Floor drain with trap | no | 5.00 | | | - |
| 8) | Water taps (Watertec brand) | no | 2.00 | | | - |
| 9) | Stop valves | no | 4.00 | | | - |
| 3) | DRAINAGE | | | | | |
| 1) | SEWERAGE & DRAINAGE: Charges for piping for all discharge pipes, sewerage and drainage pipes including connection Main junctions from the Fixtures. | item | 1.00 | | | - |
| 4.0 | ROOF LEVEL | | | | | |
| 1) | SANITARY FIXTURES & ACCESSORIES | | | | | |
| 1) | Floor drain with trap | no | 4.00 | | | - |
| 2) | DRAINAGE | | | | | |
| 1) | RAINWATER DOWN PIPES: Charges for piping for all Rain water discharge pipes and Drainage pipes including fittings and fixtures from the Roof Gutter to Ground floor. | item | 1.00 | | | - |
| 2) | CONNECTION RAIN WATER PIPE NETWORK: Charges for Laying pipes at ground floor and connecting all the Rainwater pipe from the roof to the collecting tank. | item | 1.00 | | | - |
| | BILL No: 10 - HYDRAULICS AND DRAINAGE | | | | | |
| | TOTAL OF BILL No: 10 - Carried over to summary | | | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------|---|--------|--------|---------------|-------------|-------|
| 11.1 | <p align="center">BILL No: 11 <u>ELECTRICAL INSTALLATIONS</u></p> <p>General</p> <p>(a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories</p> <p>(b) Rates for work in trench shall include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil</p> <p>(c) Rates shall include for electrical conduits, fittings, equipment and similar all fixings to various building surfaces and also all electrical work shall be carried out according to STELCO standards and specifications.</p> <p>(d) Each Light/ light fixture and its switch is measured as one one point; similarly each fan or each socket outlet is measured as one point;</p> <p>(e) Rates shall include for supply and complete installation of fittings and fixtures.</p> <p>(f) All Switches & Sockets shall be ABB OR CLIPSAL brand.</p> | | | | | |
| 1.0 | <u>GROUND FLOOR</u> | | | | | |
| 1) | <u>ELECTRIC BOARDS</u> | | | | | - |
| a) | Supply and Installation of STELCO approved Main Panel board with 5nos KWH meters. | nos | 1.00 | | | - |
| b) | Supply and Installation of STELCO approved (ABB or LEGRAND brand) Distribution board (Power & Lights Distribution board Separately) | nos | 2.00 | | | - |
| 2) | <u>ELECTRIC FIXTURES</u> | | | | | - |
| | Ceiling Light - L 07 | nos | 56.00 | | | - |
| | Wall mount Light - L 09 | nos | 1.00 | | | - |
| | Ceiling Light - L10 | nos | 29.00 | | | - |
| | Ceiling Light - L15 | nos | 6.00 | | | - |
| | Weather proof wall Light - L17 | nos | 10.00 | | | - |
| | Ceiling Fan, dia. 1200 | nos | 28.00 | | | - |
| | Exhaust Fan (Mechanical Ventiator) | nos | 2.00 | | | - |
| | 1 x 13A Power Socket - P01 | nos | 48.00 | | | - |
| | 2 x 13A Power Socket - P03 | nos | 24.00 | | | - |
| | 1 x 15A Power Socket - P15 & P16 | nos | 18.00 | | | - |
| | 1 Gang 1 way Switch - P19 | nos | 3.00 | | | - |
| | 2 Gang 1 way Switch - P20 | nos | 5.00 | | | - |
| | 3 Gang 1 way Switch - P21 | nos | 12.00 | | | - |
| | 4 Gang 1 way Switch - P22 | nos | 13.00 | | | - |
| | Fan Dimmer Switch - P23 | nos | 28.00 | | | - |
| | Telephone Socket outlet - T01 | nos | 6.00 | | | - |
| | Data Socket outlet - T02 | nos | 6.00 | | | - |
| | TV Socket outlet - T10 | nos | 6.00 | | | - |
| | Sound system - Speaker - T11 | nos | 6.00 | | | - |
| | VGA Sockets - VGA 01 & VGA 02 | nos | 12.00 | | | - |
| | Multimedia Projector with Stand - MP01 | nos | 6.00 | | | - |
| 3) | <u>ELECTRICAL WIRING</u> | | | | | - |
| 1) | 2.5mm ² Wiring to Light Points | points | 132.00 | | | - |
| 2) | 2.5mm ² Wiring to Power Points | points | 90.00 | | | - |
| 3) | 16mm ² Cabling to DBs | no | 2.00 | | | - |
| 4) | Cabling to TV points | no | 6.00 | | | - |
| 5) | Cabling to Telephone points | no | 6.00 | | | - |
| 6) | Cabling to Data Network points | no | 6.00 | | | - |
| 7) | Cabling to Multi media Projectors | no | 6.00 | | | - |
| 8) | Cabling to Speaker System | no | 6.00 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|--|--------|-------|---------------|-------------|-------|
| 2.0 | <u>FIRST FLOOR</u> | | | | | |
| 1) | <u>ELECTRIC BOARDS</u> | | | | | - |
| a) | Supply and Installation of STELCO approved (ABB or LEGRAND brand) Distribution board (Power & Light Distribution board Separately) | nos | 2.00 | | | - |
| 2) | <u>ELECTRIC FIXTURES</u> | | | | | - |
| | Ceiling Light - L 07 | nos | 16.00 | | | - |
| | Wall mount Light - L 09 | nos | 1.00 | | | - |
| | Ceiling Light - L10 | nos | 11.00 | | | - |
| | Ceiling Light - L15 | nos | 3.00 | | | - |
| | Ceiling Fan, dia. 1200 | nos | 8.00 | | | - |
| | Exhaust Fan (Mechanical Ventiator) | nos | 2.00 | | | - |
| | 1 x 13A Power Socket - P01 | nos | 22.00 | | | - |
| | 2 x 13A Power Socket - P03 | nos | 10.00 | | | - |
| | 1 x 15A Power Socket - P15 & P16 | nos | 6.00 | | | - |
| | 1 Gang 1 way Switch - P19 | nos | 4.00 | | | - |
| | 2 Gang 1 way Switch - P20 (incl. Hall lights) | nos | 8.00 | | | - |
| | 3 Gang 1 way Switch - P21 (incl. Hall lights) | nos | 10.00 | | | - |
| | 4 Gang 1 way Switch - P22 | nos | 4.00 | | | - |
| | Fan Dimmer Switch - P23 (including hall) | nos | 36.00 | | | - |
| | Telephone Socket outlet - T01 | nos | 2.00 | | | - |
| | Data Socket outlet - T02 | nos | 4.00 | | | - |
| | TV Socket outlet - T10 | nos | 2.00 | | | - |
| | Sound system - Speaker - T03 | nos | 4.00 | | | - |
| | Sound system - Speaker - T11 | nos | 2.00 | | | - |
| | VGA Sockets - VGA 01 & VGA 02 | nos | 4.00 | | | - |
| | Multimedia Projector with Stand - MP01 | nos | 2.00 | | | - |
| 3) | <u>ELECTRICAL WIRING</u> | | | | | - |
| | 2.5mm ² Wiring to Light Points | points | 41.00 | | | - |
| | 2.5mm ² Wiring to Power Points | points | 38.00 | | | - |
| | 16mm ² Cabling to DBs | no | 2.00 | | | - |
| | Cabling to TV points | no | 2.00 | | | - |
| | Cabling to Telephone points | no | 2.00 | | | - |
| | Cabling to Data Network points | no | 4.00 | | | - |
| | Cabling to Multi media Projectors | no | 2.00 | | | - |
| | Cabling to Speaker System | no | 6.00 | | | - |
| 3.0 | <u>SECOND FLOOR</u> | | | | | |
| 1) | <u>ELECTRIC BOARDS</u> | | | | | - |
| a) | Supply and Installation of STELCO approved (ABB or LEGRAND brand) Distribution board (Power & Light Distribution board Separately) | nos | 2.00 | | | - |
| 2) | <u>ELECTRIC FIXTURES</u> | | | | | - |
| | Ceiling Light - L 07 | nos | 56.00 | | | - |
| | Wall mount Light - L 09 | nos | 1.00 | | | - |
| | Ceiling Light - L10 | nos | 4.00 | | | - |
| | Ceiling Fan, dia. 1200 | nos | 36.00 | | | - |
| | 1 x 13A Power Socket - P01 | nos | 12.00 | | | - |
| | 2 x 13A Power Socket - P03 | nos | 10.00 | | | - |
| | 1 x 15A Power Socket - P15 & P16 | nos | 6.00 | | | - |
| | 1 Gang 1 way Switch - P19 | nos | 1.00 | | | - |
| | 4 Gang 1 way Switch - P22 | nos | 6.00 | | | - |
| | Fan Dimmer Switch - P23 | nos | 8.00 | | | - |
| | Telephone Socket outlet - T01 | nos | 2.00 | | | - |
| | Data Socket outlet - T02 | nos | 2.00 | | | - |
| | TV Socket outlet - T10 | nos | 2.00 | | | - |
| | Sound system - Speaker - T11 | nos | 2.00 | | | - |
| | VGA Sockets - VGA 01 & VGA 02 | nos | 4.00 | | | - |
| | Multimedia Projector with Stand - MP01 | nos | 2.00 | | | - |

| Item | Description | Unit | Qty | Material Rate | Labour Rate | Total |
|------------|---|----------------|--------|---------------|-------------|-------|
| 3) | <u>ELECTRICAL WIRING</u> | | | | | - |
| | 2.5mm ² Wiring to Light Points | points | 97.00 | | | - |
| | 2.5mm ² Wiring to Power Points | points | 28.00 | | | - |
| | 16mm ² Cabling to DBs | no | 2.00 | | | - |
| | Cabling to TV points | no | 2.00 | | | - |
| | Cabling to Telephone points | no | 2.00 | | | - |
| | Cabling to Data Network points | no | 2.00 | | | - |
| | Cabling to Multi media Projectors | no | 2.00 | | | - |
| | Cabling to Speaker System | no | 2.00 | | | - |
| | BILL No: 11 - ELECTRICAL INSTALLATIONS | | | | | - |
| | TOTAL OF BILL No: 11 - Carried over to summary | | | | | - |
| | <u>BILL No: 13</u> | | | | | |
| | <u>STAGE</u> | | | | | |
| 13.1 | <u>MASONRY AND PLASTERING</u> | | | | | - |
| 13.1.1 | <u>MASONRY - BLOCK WORK</u> | | | | | |
| a) | 300 x 150 x 150mm Solid Block work | | | | | |
| | Below Stage | m ² | 60.35 | | | - |
| 13.3.1 | <u>PLASTERING</u> | | | | | - |
| | Both sides of the wall below stage | m ² | 120.70 | | | - |
| 13.2 | <u>DOORS & WINDOWS</u> | | | | | - |
| a) | ST-D1, 1200 x 1280mm | no | 4.00 | | | - |
| 13.3 | <u>PAINTING</u> | | | | | - |
| | Below ground floor - Bitumen paint | m ² | 120.70 | | | - |
| 13.4 | <u>WOOD WORK</u> | | | | | - |
| | Timber Joists - 75 x 150mm @ 400mm c/c | m | 261.00 | | | - |
| | 25mm thick Plywood Decking | m ² | 93.20 | | | - |
| | Timber Staircase | no | 2.00 | | | - |
| 13.5 | <u>FLOOR FINISHES</u> | | | | | - |
| | Synthetic Novilon vinyl floor finish to the stage | m ² | 93.20 | | | - |
| | BILL No: 12 - STAGE | | | | | - |
| | TOTAL OF BILL No: 12 - Carried over to summary | | | | | - |

