

**BOQ**

Name of Work : CONSTRUCTION OF DIGITAL CLASS ROOM, DIGITAL LIBRARY AND OTHER WORKS OF MADHAB CHANDRA DAS COLLEGE, SONAI

| Sl. No. | ITEMS OF WORK  | Unit | Rate | Rate in Words | Quantity | Amount (Rs) |
|---------|--|------|------|---------------|----------|-------------|
| 1/1.1   | Earth work in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc, including refilling (return filing) the quantity as necessary after completion of work breaking of clods in return filing, dressing.<br>(A)Upto a depth of 2.00 m below the existing G.L.<br>(a)In ordinary soil   | m3   |      |               | 348.772  |             |
| 2/1.3   | Earth/ sand filing inplinth in layers not more than 150 mm thick including necessary carriage, watering ramming etc. complete as directed and specified including payment of land compensation forest royalty, sale tax and other duties and Taxes as may<br>(c) With river sand or silt (predominantly non plastic by truck carriage including loading and unloading.   | m3   |      |               | 271.671  |             |
| 3/1.4   | Raising low site around the building with approved soil obtained from outside by truck carriage including breaking clods, dressing etc. complete including paying necessary land compensation, municipal gate fees, if any monopoly duty etc. (profile measurement to be taken and 12.5% deduction for shrinkage to be made from total quantity etc. complete as directed and specified, including forest royalty within a distance of 8.00 KM. (Forest royalty shall be reimbursed on production of necessary certificate from the forest authority duly countersigned by D.F.O. concerned)<br>ii) Other than Guwahati municipality area. | m3   |      |               | 305.170  |             |
| 4/2.1.1 | Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary and curing complete (shuttering where necessary shall be measure)<br>(a) In proportion 1:3:6(1 cement: 3 coarse sand 6 coarse agg. By volume)   | m3   |      |               | 12.494   |             |
| 5/2.1.3 | Providing and lying 25mm thick damp proof course with cement concrete in proportion 1:1:5:3 with graded stone aggregate of 10mm down nominal size including providing approved dam proof admixture in proportion as recommended by the manufacturer etc.   | m2   |      |               | 39.620   |             |

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| 6/2.2.1 | Providing and laying plain/ reinforced cement concrete works cement with coarse sand & 20mm down stone aggregate including dewatering if necessary and curing complete but excluding the cost of form work and reinforcement for reinforced cement conc<br>i) Using mixture machine<br>(A) In Sub:- Structure upto plinth level : In foundation, footing, columns with base tie and plinth beam, pile cap, base slab retaining walls of septic tank inspection pit and the like and other works note less than 100 mm thick upto plinth level<br>N) Without using admixture, plasticizer<br>(b) M20 or Prop. 1:1:5:3 | m3   |      |               | 91.934   |             |
|         | (B) In super structure from plinth level upto 1 <sup>st</sup> floor level.- (ii) Columns, pillars, posts, struts, suspended floor, roof landing, shelf and support balcony lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase)<br>N) Without using admixture, plasticizer<br>(b) M20 or Prop. 1:1:5:3  | m3   |      |               | 180.600  |             |
| 7/3.1.1 | Providing form work of ordinary timber planking so as a rough finish including, centering, shuttering, strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4.0<br>3.1.1.1 Foundation, footings, bases of columns pile cap, raft and mass concrete works etc.<br>(b) Using 25mm thick plank  | m2   |      |               | 191.980  |             |
|         | 3.1.1.2 Sides of tie beams grade beams etc. at or below ground level<br>(b) Using 25mm thick plank   | m2   |      |               | 143.990  |             |
|         | 3.1.1.2 Columns Pillars, posts & strut<br>(a) Square, Rectangular , Polygonal in plan or any shape like Tee/L etc having plane vertical face<br>(b) Using 25mm thick plank   | m2   |      |               | 552.600  |             |
|         | 3.1.1.4 Sides and Soffits of Beams, beam haunchings, cantilever girders bressumers, lintels and horizontal ties.<br>(a) For depth not exceeding 1.0 M<br>(b) Using 25mm thick plank  | m2   |      |               | 860.000  |             |
|         | 3.1.1.5 Plat Surfaces such as soffits of suspended floors, roofs, landings cantilever slabs, chajjas, balconies and the like<br>(a) Floors etc. upto 200mm in thickness<br>(b) Using 25mm thick plank  | m2   |      |               | 896.640  |             |
|         | 3.1.1.10 Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)  | m2   |      |               | 42.620   |             |
| 8/4.1.1 | Providing brick soiling in Foundation and under floor with stone/ best quality picked jhama bricks, sand packed and laid to level and in panel after preparing the sub-grade as directed including all labour and materials and if necessary dew watering comp<br>(a) Brick on flat soiling  | m2   |      |               | 480.330  |             |

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| 9/4.1.4   | Brick work in cement mortar with 1 <sup>st</sup> class brick including racking out joints and curing complete as directed<br>(i) In Sub-structure upto plinth level including dewatering if necessary (b) In proportion 1:4.   | m3   |      |               | 38.022   |             |
| 10/4.1.8  | 1 <sup>st</sup> class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1 <sup>st</sup> floor level (protruding M.S. rod/tor steel of column to be embedded in cement mortar and will be measured and<br>(A) 112 mm thick brick wall<br>(a) In cement mortar in proportion 1:4 | m2   |      |               | 850.000  |             |
| 11/5.1.4  | 65mm thick cement concrete floor consisting of 50 mm under layer of cement concrete in prop. 1:3:6 (1 Cement : 3 coarse sand : 6 coarse aggregate of 15mm and down) and 15mm thick wearing layer in cement concrete in prop. 1:1:2 (1 cement : 1 coarse sand ;:2   | m2   |      |               | 274.670  |             |
| 12/5.1.10 | Cement plaster skirting inside and outside wall with cement mortar in proportion 1:3 finished with a floating coat of neat cement including rounding of junctions with floor.<br>(a) 15mm thick etc complete   | m2   |      |               | 114.140  |             |
| 13/6.2.1  | 10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1 <sup>st</sup> floor level including arises or rounded angles not exceeding 80 mm girth and  | m2   |      |               | 1356.590 |             |
| 14/6.2.1  | 10 mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1 <sup>st</sup> floor level including arises, internal rounded angles, not exceeding 80 mm girth and finished even and smooth including curing complete<br>A) On rough side<br>b) In cement mortar 1:4  | m2   |      |               | 2410.600 |             |
| 15/7.10.1 | Providing and fixing in position suspended false ceiling using E-Grid (exposed celing suspension 2430 system) of grid size 600mm x 600mm/ 1200mm x 600mm with main runner 38 x 24 mm cross tee 29 mm x 24 mm & wall angle 24mm x 24 mm or Everest E-Grid 1510 (only )<br>(A) Everest Standard Ceilings<br>(i) 4mm  | m2   |      |               | 149.940  |             |
| 16/8.1.8  | Supplying fitting and fixing wind ties 40 mm x 6 mm M.S. Flat iron and necessary 10 mm dia. G.I. hook bolt, G.I. flat washer and bitumen washer etc. complete including two coats painting with red oxide anticorrosive paint.   | Rm   |      |               | 40.320   |             |
| 17/8.1.33 | Providing pre Painted Galvanized Iron Sheet roofing (PPGI) at all levels including fitting and fixing with self drilling, self tapping screws complete (Roof trusses, purlins etc. to be measured and paid separately ) TATA Blue scope/Dyna roof/ Durako<br>0.50 mm thick   | m2   |      |               | 224.910  |             |

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| 18/8.1.34  | Providing Pre Painted Galvanized Iron Sheet (PPGI) accessories (Ridges/ Valley/Gutter/Flashing) at all levels including fitting and fixing self drilling self tapping screws complete<br>TATA Blue scoper/Dyna roof/ Durakolor/Wonder Roof/JSW<br>0.50 mm thick  | Rm   |      |               | 20.160   |             |
| 19/9.4.1   | Providing barge board of size 200mm x 20 mm with 1 <sup>st</sup> class local Hollock/Bonsum/Sundi timber including fitting and fixing with necessary wood screws etc. complete   | Rm   |      |               | 40.300   |             |
| 20/9.18.1  | Providing fitting and fixing factory made Santro Flush door shutters having core and cross bands fabricated from seasoned 1 <sup>st</sup> class timber, 25 mm core battens, 2.5mm to 3.5 mm uniformly cross bands, styles and rails made from hardwood timber of width not l<br>(b) 35 mm thick  | m2   |      |               | 44.100   |             |
| 21/13.2.1  | Colour washing with lime on wall surface (two coats) over and including a priming coat of white washing to give an even shade tafter thoroughly brooming the surface to remove all disrt, dust, mortar drops and other foreign matter. (inside)  | m2   |      |               | 2410.600 |             |
| 22/13.2.3  | b) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand paper smooth  | m2   |      |               | 1356.590 |             |
| 23/13.2.3. | b) Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade of new wall surface (Two Coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose powdered material   | m2   |      |               | 1356.590 |             |
| 24/13.6.3  | Applying priming coat over new wood and wood based surfaces over 100 mm in girth/ width after and including preparing the surface by thoroughly cleaning oil. Grease dirt and sand other foreign matter, sand papering and knotting.<br>b) With ready mixed paint , wood primer (white)  | m2   |      |               | 173.840  |             |
| 25/13.6.5  | Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian aint/ Berger Paint/ICI Paint/J & N Paint/ Nerolac) to give an even shade including cleaning the surfaces of all di<br>(i) Surfaces over 100 mm in width or girth.<br>a) General purpose (Asian Paint/ Berger Paint/ICI Paint/J & N Paint/ Nerolac) | m2   |      |               | 173.840  |             |
| 26/13.7.2  | Applying primary coat over new steel and other metal surface up to 100 mm in width or girth after preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes , fine steels wood scrapers and sand paper<br>a) With ready mixed "Red-lead/red oxide" primer.   | m2   |      |               | 212.630  |             |

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| 27/13.7.3 | Applying primary coat over new steel and other metal surface up to 100 mm in width or girth after preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steels wood scrapers and sand paper<br>a) With ready mixed "Red-lead/red oxide" primer.  | Rm   |      |               | 223.140  |             |
| 28/13.7.4 | Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian aint/ Berger Paint/ICI Paint/J & N Paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt<br>(i) Surfaces over 100 mm in width or girth.<br>a) General purpose (Asian Paint/ Berger Paint/ICI Paint/J & N Paint/ Nerolac)   | m2   |      |               | 212.630  |             |
|           | ii) Surfaces over 100 mm in width or girth.<br>a) General purpose (Asian Paint/ Berger Paint/ICI Paint/J & N Paint/ Nerolac)   | Rm   |      |               | 223.140  |             |
| 29/15.2.1 | Supplying fitting fixing anodized aluminum fitting of approved make reasonably smooth free sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminum screws etc. compete. (anodized to bright natural matt & satin finished)  |      |      |               |          |             |
|           | (a) Sliding door bolt – 300 x 16 mm  | Each |      |               | 23.000   |             |
|           | (b) Tower bolt – 200 x 10 mm   | Each |      |               | 62.000   |             |
|           | (c) Door handles – 150 mm  | Each |      |               | 62.000   |             |
| 30/16.1   | Providing and fixing clear sheet glass branded in putty and fixed with/ without wooden bidding including necessary cutting and glass to be required sized (payment for wooden bead shall be made separately)<br>(2) Area of glass panes exceeding 0.15 m2 but not exceeding 0.52 m2<br>(b) 4.00 mm thick   | m2   |      |               | 48.220   |             |
| 31/18.1.1 | Supplying fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/R.B walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete (upto 1 <sup>st</sup> floor level)<br>a) From Primary Producer : TATA/SAIL/Jindal Steel/Shyam Steel/RINL<br>ii) Super Ductile (SD) TMT reinforcement bars | QTL  |      |               | 365.000  |             |
|           | (c) ISI approved – M.S. rod  | QTL  |      |               | 6.124    |             |
| 32/18.3.2 | Providing fitting hoisting and fixing of roof trusses fabricated out of combination of any two or all of the following sections (i) Square section (ii) Rectangular Hollow section of specification RSH/SHS and (iii) M.S. circular Hollow section of grad<br>(b) Using other ISI marked approved brand tube   | QTL  |      |               | 24.000   |             |

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| 33/18.5.3        | Providing fitting and fixing steel window of standard rolled steel section as per relevant IS Code, joints mitered and welded with 15 mm x 13mm x 100mm lugs embedded in cement concrete block of M-10 grade including providing and fixing of projecting hinges (not a) Open able  | m2   |      |               | 60.950   |             |
| 34/18.5.4        | Providing fitting and fixing steel ventilators (open able) of standard rolled steel section as per relevant IS Code, joints mitered and welded with 15 mm x 13mm x 100mm lugs embedded in cement concrete block of M-10 grade including providing and fixing of projecting hinges   | m2   |      |               | 29.770   |             |
| 35/18.7.1        | Supplying fitting and fixing door frame of M.S. equal angle of size 40mm x 40 mm x 5 mm fabricated, welded, mitered and joined as per relevant I.S. Codes including fitting 8 nos of M.S. hold fast providing closing/ holding device for two nos. tower bolts of   | Rm   |      |               | 204.000  |             |
| 36/26.1.1        | Pre construction anti-termite treatment at the bottom of foundation pits and walls on either side up to a height of 300 mm from bottom of the excavation made for column plinth beam, wall, trenches etc. by applying the emulsion @ 5 (five) litres per square meter of the surface to be spread with light rodding so as to ensure proper<br>(a) With aqueous emulsion having concentration 1:19 with chloropirophose | m2   |      |               | 177.750  |             |
| 37/26.1.3        | Pre construction anti-termite treatment by applying in the entire leveled area after plinth filling and before laying floor by applying the emulsion @ 5 (five) litres per square meter of the surface to be spread with light rodding so as to ensure proper<br>a) With aqueous emulsion having concentration 1:19 with chloropirophose  | m2   |      |               | 281.560  |             |
| 38/9.11.2        | Providing and fixing particle board/ block board shutters for cupboards including black enameled M.S. butt hinges (75 mm x 40mm x 1.12 mm) 6 nos. hinges (75mm x 40mm x 1.12 mm) 6 nos with necessary wood screws.<br>f) With block board   | m2   |      |               | 18.900   |             |
| 39/5.1.1         | Cement concrete works in topping 1:1:2 (1 Cement : 1 Sand : 2 graded aggregates on R.C.C floor, tread and rise of steps finished with a floating coat of neat cement using cement slurry for bond @ 2.75 KG. of cement per Sq.m of floor to be laid panels<br>(b) 20mm thick  | Each |      |               | 468.310  |             |
| <b>TOTAL</b>     |   |      |      |               |          | ₹           |
| Amount in Words: |   |      |      |               |          |             |

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SIGN & SEAL OF THE TENDERER