



Sub: Internal repairing & renovation of Student activity building 1st floor at BITM, Kolkata and Flat no: 6C at Staff Quarters, Kasba, Kolkata

| Sl. No. | Description of item | Qty. | Unit | Rate | Amount |
|---------|--|------|------|----------|-----------|
| 1.0 | Dismantling artificial stone/ Mosaic/ chequered tiles flooring upto 50 mm thick by carefully chiselling without damaging the base slab and removing rubbish as directed within a lead of 150 m. | 290 | Sqm. | 50.00 | 14,500.00 |
| 2.0 | Stripping off worn out plaster and raking out joints of walls, ceilings etc upto any height and in any floor including removing rubbish within a lead of 150m as directed. | 80 | Sqm. | 19.00 | 1,520.00 |
| 3.0 | Labour charges for Chipping of concrete surface/ artificial stone flooring/ mosaic flooring etc before taking up new plastering/ flooring work. | 290 | Sqm | 21.00 | 6,090.00 |
| 4.0 | Providing and laying in position Ordinary Cement concrete of specified grade with graded stone chips (20 mm nominal size) of Pakur variety excluding the cost of centering, shuttering and reinforcement, if any, in ground floor as per relevant IS codes. | | | | |
| 4.1 | 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 10 mm nominal size) | 3 | Cum. | 6,510.92 | 19,532.76 |
| 5.0 | Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/ staging where necessary at any height. With 1:4 cement mortar, 15mm thick plaster. | 80 | Sqm. | 167.00 | 13,360.00 |
| 6.0 | Supplying and laying true to line and level Double Charge Vitrified Tiles of approved brand conforming to IS 15622: 2006 (Group B I a) and tested as per IS 13630:2006 (relevant parts) [Non-modular sizes for tiles with Water Absorption (av.) ≤ 0.08 %] in floor, skirting, window sill etc. set in average 20 mm thick sand cement mortar (1:4) bed prepared after application of slurry using 1.75Kg of cement per Sqm over the base and 2mm thick cement slurry using cement @2.91Kg./sqm at the back side of the tiles and laid over the mortar bed using 0.2 kg/sqm of White cement used for joint filling with approved pigment as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. Size of Tiles not less than 1200x600 mm. Make: Kajaria/ NITCO/ Jhonson/ Orient/ Somany/ Vermora/AGL. | 290 | Sqm. | 1,494.00 | 433260.00 |
| 7.0 | Supplying, fitting and fixing 25 mm. to 37.5 mm. thick Chunar / Mirzapur / Dholpur/ Kota stone slab in floor, staircase etc set in 20 mm thick (avg) cement mortar (1:4) bed and pointing in cement mortar (1:2) [1 cement: 2 marble dust] with admixture of pigment matching the stone shade, polishing all complete as per direction of the E-I-C (Using cement slurry for bedding @ 4.4 kg/Sqm and jointing @ 2.4 kg/Sqm) | 3 | Sqm. | 1,048.00 | 3,144.00 |

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|---------|---|------|------|----------|-----------|
| 8.0 | Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, kitchen counter, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @4.40Kg per Square meter before placing of granite and jointed with white cement slurry @2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, moulding, curing and roughening of concrete surface etc all complete. | 4 | Sqm. | 2,786.00 | 11,144.00 |
| 9.0 | Supplying, fitting & fixing 1st quality Ceramic/ vitrified tiles in walls & floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. | | | | |
| 9.1 | In floor with Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Area of each Coloured decorative premium quality antiskid tiles of minimum size 300 x 300 mm. | 5 | Sqm. | 737.00 | 3,685.00 |
| 9.2 | In walls with Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Area of each Coloured decorative premium quality tiles of minimum size 600 x 300 mm. | 40 | Sqm. | 1,097.00 | 43,880.00 |
| 10.0 | Supplying fitting and fixing P.V.C. door shutter (30mm thick) of approved quality & shade in position, the style & rail of the P.V.C. door shutter will be made of rigid P.V.C. multicavity hollow chamber of 59 mm x30 mm section with 2.0 mm (+/-0.2 mm) wall thickness. Horizontal & vertical section shall be fixed to each other by self tapping screws and 1 solid polymeric or M.S. galvanized tubular 'L' shaped bracket 100mm x 200mm in each corner of the shutter frame for placing hinges. Polymer based multicavity hollow section of 120 mm x30mm with 2.0 mm (+/- 0.2 mm) wall thickness will be fitted in the middle, reinforced by solid polymer bar of 200 mm long at both ends and screws from both sides as lock rail. The section frame will then be fitted in by PVC panels of size 100 mmx25 mm with wall thickness of 1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia bright rod will be inserted horizontally with both side check and nut system and stretches where fixing of hinges / hasp bolt / tower bolt / door ring are required to be strong enough to with stand wear and tear. The rate is inclusive of cost of all materials, labour, and hire of tools and plants and appliances/c carriage of all materials taxes and all other incidental charges complete. (Make: Sintex) | 3 | Sqm | 2,127.00 | 6,381.00 |

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|---------|--|------|------|----------|-----------|
| 11.0 | Supplying fitting and fixing in position approved P.V.C. door frame (Matt finish) made of extruded P.V.C. multichamber hollow section having dimensions 60mm x 50mm x 2mm (+/-0.2mm), horizontal section will be joined with vertical section by galvanized steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one steel tube 40mm x 20mm x 1.20 mm will be inserted on one full vertical side of the frame (hinge side) as reinforcement, the frame will then be fixed in the opening with the help of P.V.C. expandable fastener/wooden gutties and galvanized steel screws including cost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete. (Make: Sintex) | 10 | Mtr | 279.00 | 2,790.00 |
| 12.0 | Removal of rubbish, earth, scrap material etc. from the working site and dispose of the same beyond the compound in truck loads in conformity with Municipal/ Corporation rules and as per instruction of Engineer – in – Charge. | 5 | Trip | 2,000.00 | 10,000.00 |

Cost of Civil works ::: 569286.76

GST, as applicable over cost of Civil work @ 18% ::: 102471.62

Cost of Civil works excluding labour welfare cess ::: 671758.38

Labour welfare cess @ 1% ::: 6717.58

Total amount of Civil Work ::: 678475.96

Say Rs. 678476.00

NOTE :

- 1 Tenderers should visit the site before quoting the rate to understand the nature of work and condition of the site.
- 2 Rates shall be quoted inclusive of all materials, **wastage**, labour, hire charges of all tools, plants and machinery, shifting charges, **taxes & duties** etc. required for this job. No additional payment shall be done by the BITM for this purpose.
- 3 The work shall be required to carry out without obstructing the visitor's movements and may also be required to carry out beyond office hours (if required) for which no additional payment shall be made.
- 4 The work will be carried out after following all respective precautionary measure and safety rules. Expenditure towards insurance coverage for the labourers working at site has to be included in the rate.
- 5 Regarding the work directives of the Engineer-in-Charge shall be final and binding.
- 6 All materials must be approved by the Engineer-in- Charge before supplying at site.

List of Approved materials :

- i) Cement: Ultratech/ ACC/ Lafarge/ Ambuja.
- ii) Vitrified / Ceramic tiles: Kajaria/ Johnson/ Nitco/ Orient/ Somany/ Vermora.
- iii) PVC Door frame and Shutter: Sintex/ Supreme/ Fenesta.

Signature with Seal of the Contract