

**NAME OF WORK:- ESTIMATE FOR FINISHING WORK(WOOD WORK, PAVING & FLOORING WORK, ROOFING WORK, STEEL WORK) OF HOSTEL BLOCK FOR SARSWATI VIDYA MANDIR SCHOOL ,VIKAS NAGAR,DISTT. SHIMLA H.P**

| Sr.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quantity |       | Rate |  | Amount |  |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|------|--|--------|--|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |      |  |        |  |
| 1     | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |      |  |        |  |
| a)    | Cement mortar 1:6(1 cement : 6 coarse sand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8.00     | Cum   |      |  |        |  |
| 2     | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.                                                                                                                                                                                                                                                                                                                                                               |          |       |      |  |        |  |
| a)    | Cement mortar 1:4 (1 cement :4 coarse sand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 225.00   | Sqm   |      |  |        |  |
| 3     | Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with :                                                                                                                                                                                                                                                                                                    |          |       |      |  |        |  |
| a)    | Cement mortar 1:6 (1 cement : 6 coarse sand).                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15.00    | Cum   |      |  |        |  |
| 4     | Supplying & Filling with well graded stone boulders at the back of Retaining wall complete as per the directions of the Engineer-in-charge.                                                                                                                                                                                                                                                                                                                                                                            |          |       |      |  |        |  |
|       | ( Note :- 30 % deduction shall be made for voids in boulder filling)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 170.00   | Cum   |      |  |        |  |
| 5     | Providing and fixing 110 mm dia PVC pipe conforming to IS :13592 Type - A to act as weep holes in stone/ RCC / or other type of retaining walls in full width / section from front side to back side of walls with proper slope all complete as per the direction of the Engineer-in-charge.                                                                                                                                                                                                                           | 60.00    | m     |      |  |        |  |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |      |  |        |  |
|       | <b>SH- Marble &amp; Granite Work.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |       |      |  |        |  |
| 6     | Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. |          |       |      |  |        |  |
| a)    | Granite of any colour and shade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |      |  |        |  |
| (i)   | Area of slab upto 0.50 sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.00     | Sqm   |      |  |        |  |
| (ii)  | Area of slab over 0.50 sqm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12.00    | Sqm   |      |  |        |  |
| 7     | Providing edge moulding to 18mm thick Granite stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                  |          |       |      |  |        |  |
| a)    | Granite work.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.00    | Metre |      |  |        |  |
| 8     | Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size)as per direction of Engineer-in-charge and finished smooth.                                                                                     |          |       |      |  |        |  |
| a)    | Granite Stone of approved shade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15.00    | Sqm   |      |  |        |  |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |      |  |        |  |
|       | <b>SH- Wood and PVC Work.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |       |      |  |        |  |
| 9     | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or withdash fasteners of required dia & length ( hold fast lugs or dash fastener shallbe paid for separately).                                                                                                                                                                                                                                                          |          |       |      |  |        |  |

|     |                                                                                                                                                                                                                                                                                                                     |         |      |  |  |
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| a)  | kail wood                                                                                                                                                                                                                                                                                                           | 1.20    | Cum  |  |  |
| 10  | Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.                                                                                            |         |      |  |  |
| a)  | Kiln seasoned selected planks of Deodar wood.                                                                                                                                                                                                                                                                       |         |      |  |  |
| (i) | 35 mm thick                                                                                                                                                                                                                                                                                                         | 271.42  | Sqm  |  |  |
| 11  | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws:                                                                              |         |      |  |  |
| a)  | 35 mm thick shutters.                                                                                                                                                                                                                                                                                               | 152.00  | Sqm  |  |  |
| 12  | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.                                                                                                                           |         |      |  |  |
| a)  | Fixed to openings /wooden frames with rawl plugs screws etc.                                                                                                                                                                                                                                                        | 3540.00 | Kg   |  |  |
| 13  | Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.                                                                                                                                                                                      |         |      |  |  |
| a)  | Overall width 35 mm.                                                                                                                                                                                                                                                                                                | 1000.00 | m    |  |  |
| 14  | Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :                                                                                                                                                                                                               |         |      |  |  |
| a)  | 250x16 mm                                                                                                                                                                                                                                                                                                           | 190.00  | Nos  |  |  |
| 15  | Providing and fixing glass panes, with wooden fillets wherever necessary:                                                                                                                                                                                                                                           |         |      |  |  |
| a)  | Float glass panes of thickness 4 mm.                                                                                                                                                                                                                                                                                | 255.00  | Sqm  |  |  |
| 16  | Providing and fixing 18 mm thick ISI marked BWR grade Block Board of Century Sainik, Greenply or equivalent make in frames, backing, sides, shelves, front of cupboards, table, counters with necessary screws, nails and adhesive all complete as per the direction of the Engineer in charge.                     |         |      |  |  |
|     | (Note:- Frame , backing or studding to be paid separately).                                                                                                                                                                                                                                                         | 581.00  | Sqm  |  |  |
| 17  | Providing and fixing 6 mm thick ISI marked BWR grade plywood of Century Sainik, Greenply or equivalent to frames, backing, studding, cupboards, drawers and alike with screws, nails adhesive all complete as per the direction of the Engineer in Charge                                                           |         |      |  |  |
|     | (Note:-Frames, backing or studding to be paid separately).                                                                                                                                                                                                                                                          | 130.00  | Sqm  |  |  |
| 18  | Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :            |         |      |  |  |
| a)  | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.                                                                                                                                                                                                                                 | 305.00  | Sqm  |  |  |
| 19  | Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured) :                                                                                                                                                          |         |      |  |  |
| a)  | Rectangular or square.                                                                                                                                                                                                                                                                                              | 6.00    | Sqm  |  |  |
| 20  | Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).                                                                                                                                                                                                                         | 10.00   | Sqm  |  |  |
| 21  | Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete. | 22.00   | Nos. |  |  |
| 22  | Providing and fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete:                                                                                                                                                                                                       |         |      |  |  |
| a)  | 115 mm                                                                                                                                                                                                                                                                                                              | 456.00  | Nos. |  |  |

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| 23 | Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :                                                                       |          |      |  |  |
| a) | 300x16 mm                                                                                                                                                                                                                                                                                    | 80.00    | Nos. |  |  |
| b) | 250x16 mm                                                                                                                                                                                                                                                                                    | 172.00   | Nos. |  |  |
| 24 | Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete :                                                                            |          |      |  |  |
| a) | 200x10 mm                                                                                                                                                                                                                                                                                    | 280.00   | Nos. |  |  |
| b) | 150x10 mm                                                                                                                                                                                                                                                                                    | 34.00    | Nos. |  |  |
| c) | 100x10 mm                                                                                                                                                                                                                                                                                    | 816.00   | Nos. |  |  |
| 25 | Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :                                                                                 |          |      |  |  |
| a) | 150 mm                                                                                                                                                                                                                                                                                       | 270.00   | Nos. |  |  |
| b) | 100 mm                                                                                                                                                                                                                                                                                       | 476.00   | Nos. |  |  |
| 24 | Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868)transparent or dyed to required colour and shade with necessary screws etc. complete.                                                               |          |      |  |  |
| a) | Twin rubber stopper                                                                                                                                                                                                                                                                          | 30.00    | Nos. |  |  |
| 25 | Providing and fixing aluminium casement stays ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.                                                                          | 168.00   | Nos. |  |  |
| 26 | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.                                                                                                                                            |          |      |  |  |
| a) | Double strip (horizontal type)                                                                                                                                                                                                                                                               | 220.00   | Nos. |  |  |
| 27 | Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.     |          |      |  |  |
| a) | 1.0 mm thick.                                                                                                                                                                                                                                                                                | 600.00   | Sqm  |  |  |
| 28 | 0.38 mm second class wood cover moulding                                                                                                                                                                                                                                                     | 3200.00  | mt   |  |  |
|    |                                                                                                                                                                                                                                                                                              |          |      |  |  |
|    | <b>SH- Steel Work.</b>                                                                                                                                                                                                                                                                       |          |      |  |  |
| 29 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.                                                                            | 21000.00 | Kg   |  |  |
| 30 | Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.                                                                                            |          |      |  |  |
| a) | In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.                                                                                                                                                                                                         | 2100.00  | Kg   |  |  |
| 31 | Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying a priming coat of approved steel primer.                                                                                   |          |      |  |  |
| a) | M.S. tube.                                                                                                                                                                                                                                                                                   | 200.00   | Kg   |  |  |
|    |                                                                                                                                                                                                                                                                                              |          |      |  |  |
|    | <b>SH- Flooring</b>                                                                                                                                                                                                                                                                          |          |      |  |  |
| 32 | Grenite stone flooring with 18mm thick marble stone as per sample of marble shall be approved by Engineer-in-charge over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with : |          |      |  |  |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |      |  |  |
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| a)  | any colour and shade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 380.00  | Sqm  |  |  |
| 33  | Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :                                                                                                                                                                                                                                                     |         |      |  |  |
| a)  | 20 mm thick.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 280.00  | Sqm  |  |  |
| 34  | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete | 550.00  | Sqm  |  |  |
| 35  | Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,, complete.                                                                               | 285.00  | Sqm  |  |  |
| 36  | Providing and laying full body vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08%and conforming to IS : 15622 , of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.                                                                         |         |      |  |  |
| a)  | Size of Tile 600x600 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1500.00 | Sqm  |  |  |
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |      |  |  |
|     | <b>SH- Roofing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |      |  |  |
| 37  | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes.                                                                                                                                                                                                                                                                           |         |      |  |  |
| a)  | 110 mm diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 60.00   | M    |  |  |
| 38  | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion.                                                                                                                                                                                                                                                  |         |      |  |  |
| a)  | Coupler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |      |  |  |
| (i) | 110mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14.00   | Nos. |  |  |
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |      |  |  |
| b)  | Bend 87.5°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |  |  |
| (i) | 110 mm bend                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12.00   | Nos. |  |  |
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |      |  |  |
| c)  | Shoe (Plain)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |      |  |  |
| (i) | 110 mm Shoe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 14.00   | Nos. |  |  |

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| 39 | Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm + 0.05 %, total coated thickness with zinc coating 120 gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 610.00 | Sqm |               |  |
| 40 | Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm + 0.05 % total coated thickness, Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |     |               |  |
| a) | Ridges plain/valley (500 - 600mm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 150.00 | m   |               |  |
| b) | Gutter .(600 mm over all girth).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 120.00 | m   |               |  |
| 41 | Providing and fixing ceiling/Facia at all height including providing and fixing of frame work made of special sections, M.S. sheets and consisting of angle M.S. channels 45x15x0.9 mm including fixing of M.S. Sheets to ceiling section and perimeter channel including jointing the M.S. Sheet.as per the direction of Engineer in Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |               |  |
| a) | M.S. Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 110.00 | Sqm |               |  |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |     |               |  |
|    | <b>SH- Road Work</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |     |               |  |
| 42 | Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/ laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer in-Charge.                                                                                                                        |        |     |               |  |
| a) | 80mm thick Cement concrete paver block of M-30 grade with approved colour, design & pattern.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 440.00 | Sqm |               |  |
| 43 | Soling of stone bolder of required depth s per the direction of Engineer-in-charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 120.00 | cum |               |  |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |     | <b>Total:</b> |  |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |     |               |  |





