

BOQ FOR VILLA A AT RANAKPUR, RAJASTHAN

| The work is to be carried out at all levels and no extra lead or lift is admissible | | | | | | |
|---|--|--------|-------|---------------|-----------------|--------|
| | DESCRIPTION | UNIT | QTY. | RATE (Rs.) | AMOUNT (Rs.) | REMARK |
| 1 | EXCAVATION | | | | | |
| 1a | Earthwork in excavation in all kinds of ordinary and hard soils up to a depth of 1.5m below G.L and stacking within a lead of 100m trimming and dressing of the sides etc. including bailing/pumping out any slush water etc. all complete as per specifications. | | | | | |
| | Excavation for footing & column pedestal etc. | CU.MT. | 450 | | | |
| 1b | Earth work excavation in ordinary rock soil | CUMT | 100 | | | |
| 2 | BACK FILLING | | | | | |
| | Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift. | CU.MT. | 130 | | | |
| 3 | ANTITERMITE TREATMENT | | | | | |
| | Diluting and injecting chemical emulsion for PRE-CONSTRUCTIONAL ANTI- TERMITE treatment and creating a continuous chemical barrier under and all-round top surface of plinth filling, junction of wall and floor, along the external perimeter of building etc. complete as per specification (plinth area of the building at ground floor only shall be measured for payment). | | | | | |
| | Chlorpyriphos Emulsifiable concentrate 20% with 1% concentration | SQ.MT. | 470 | | | |
| 4 | P.C.C. WORK | | | | | |
| | Supplying, laying in position and curing as per specification plain cement concrete of the following mix with or 20mm size aggregates below GL and up to 1.0m above GL, including consolidation of subgrade wherever required as per specifications. | | | | | |
| | 1: Cement : 3 sand: 6 Coarse aggregate (1:3:6) M-10 | CU.MT. | 50 | | | |
| 5 | Stone soling | | | | | |
| | Filling in trenches & plinths with stone, in layers not exceeding 230 mm thickness including breaking of boulders to required sizes, filling the interstices with selected sand and compacting to 85 % of original volume of stone stack for all lifts all complete as per instructions of engineer-in charge | CU.MT. | 10 | | | |
| 6 | RANDOM RUBBLE MASONRY | | | | | |
| | Random rubble masonry with hard stone in foundation with Cement mortar 1:6 (1 cement : 6 coarse sand) including the rate of watering, curing ,scaffolding charges, cost and conveyance of all materials and labour charges etc. complete. | | | | | |
| a. | Foundation & upto plinth level | CU.MT. | 40 | | | |
| 7 | REINFORCEMENT WORK | | | | | |
| | Providing, Fabricating & fixing in position reinforcement for RCC work with Thermo mechanically Treated (TMT) bar of various diameters and grade of steel (Fe500) as specified in the approved drawing conforming to IS specification including cutting, providing, supplying,bending, hoisting, fabricating and placing in position according to drawings and binding the reinforcement with Mild Steel Black annealed binding wire in two strands of 18 gauge and providing PVC/concrete cover blocks for placing the reinforcements in position and for maintaining the cover specified and/or according to relevant IS code. Note : Unless noted otherwise the measurements in accordance with IS 1200. However reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight basis, no allowance being made in the weight for rolling margin. Authorized laps and splices, chairs of any shape & profile, Spacer bar of any shape & profile only will be measured and paid separately. Cover block, wastage and binding wire shall be included in the quoted rate and to include lead, lift, placing at all levels and as per the approved bar bending schedule, as directed. | KG. | 23500 | | | |
| 8 | SHUTTERING WORK | | | | | |
| | Providing, fabricating and erecting form work of all shapes at all levels and places wherever needed/specified as per drawing with steel plates with adjustable steel props of acceptable staging system and with sufficient bracing as approved by consultant. The rate will includes strutting, propping bracing both ways and removal of formwork. Cost to include sealing the joints with heavy duty brown self adhesive tape, foam packing, aligning to line and levels including M.S. Ties, PVC Spacer, Providing openings / cutouts / pockets, applying deshuttering chemical, Deshuttering as approved by the consultant etc., complete at all levels and heights. | | | | | |
| a. | Foundations, Footings, Rafts, Plinth beam, Grade slab Pedestal etc. upto plinth level. | SQ.MT. | 15 | | | |
| b. | Columns, Retaining & Lift Walls, Basement slabs etc. | SQ.MT. | 310 | | | |
| c. | Lintels , RC Beams & Slab, Suspended floors, Roofs, sunshades etc. | SQ.MT. | 1500 | | | |
| 9 | R.C.C. WORK | | | | | |
| | Providing M-25 grade Reinforced cement concrete work in beams,suspended floors, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases, footing, raft, column, retaining wall etc. up to all heights with approved design mix with necessary admixtures approved by Project Manager (Fosroc,sika,BASF or equivalent), including all leads and lifts, pumping using line pump or boom placer, vibrating/ compaction, scaffolding wherever necessary, curing and treating construction joints as directed, excluding cost of shuttering and reinforcement works. | CU.MT. | 235 | | | |
| 10 | BRICK WORK | | | | | |

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|------|--|--------|----------|-----------|-----------|--|
| | Brick work in half brick masonry wall with machine moulded perforated bricks having crushing strength not less than 75 Kg/sq.m., in cement mortar ratio (1:4) with 2 nos. of 6 mm. coil approved quality at every third course of brick masonry. The rate will includes mixing of mortar, laying bricks, raking of joints, curing, lead & lifting charges at all floor levels. | | | | | |
| 10.1 | 115 MM. Thick (4.5" th.) | | | | | |
| | Superstructure for all heights & levels. | SQ.MT. | 40 | | | |
| | Brick work with machine moulded perforated bricks of class designation 125 confirming to IS : 2222- 1991 in superstructure above plinth level upto all floor level in cement mortar 1:6 (1-Cement : 6-Coarse Sand) including of mixing mortar, laying bricks, raking of joints, curing, lead & lifting charges at all floor levels. | | | | | |
| 10.2 | 230 MM & 350MM. Thick | | | | | |
| | Providing and constructing 230mm & 350mm or more thick masonry in super structure with locally available first quality bricks having minimum crushing strength 75 Kg/Sq. cm and water absorption maximum 20% in cement mortar CM 1:6 cement mortar (1 cement : 6 sand) laid in specified courses of approved bond and including raking out joints, curing, doing independent double legged scaffolding, all complete as per specifications etc. at all heights depths & leads, all as directed by site in charge to his entire satisfaction for all heights and levels. | CU.MT. | 100 | | | |
| 11 | PLASTER WORK | | | | | |
| 11.1 | 6 to 8 mm cement plaster to ceiling with cement mortar 1: 4 (1 cement: 4 fine sand).The rate shall include hacking on r.c.c. surface, making grooves in plaster if required, all lead & lifting charges etc. | SQ.MT. | 500 | | | |
| 11.2 | 12 to 18 mm thick cement plaster with cement mortar 1:4 to all internal walls inclusive of sills, jambs, soffits, finished roughly at tile fixing sides. The rate will includes curing ,scaffolding charges , cost and conveyance of all materials and labour charges etc. complete for all heights & levels. | SQ.MT. | 490 | | | |
| 11.3 | Plastering External Surfaces of walls with 25 mm thick (average) in one layer, including carrying charges of all material, necessary scaffolding, lead & lifting charges, hacking to the surface & curing. The rate shall also include making grooves if required . The surface of the finished plaster area shall be got approved from the Project Manager to receive texture finish for all heights & levels. | SQ.MT. | 460 | | | |
| 11.4 | Providing and fixing of approved Fiber Mesh to junctions of complete and machinery work and other locations where called for including cutting to required size side laps of minimum 75mm and fixing in position with galvanized wire nails as approved complete. | SQ.MT. | 157.00 | | | |
| 13 | KOTA STONE FLOORING | | | | | |
| 13.1 | Kota stone flooring 25mm thick over20mm (average)thick baselaid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and granite polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand) size 600 x 600 | SQM. | 360.00 | | | |
| 12 | INTERNAL FINISH | | | | | |
| | Internal Paint 2 coats or more coat made with satin finish semi gloss on all internal surfaces to give a smooth & even finish as per specification | SQM | 470.00 | | | |
| 13 | EXTERNAL FINISH | | | | | |
| | a) Exterior walls with Rough plaster with Mud coated texture pain as per specifications | SQM | 215.00 | | | |
| 15 | UPVC WINDOW FRAMES AND SHUTTER | | | | | |
| | UPVC windows, ventilators : Providing and fixing anodized UPVC work | SQM | 160.00 | | | |
| 16 | ROOF DETAIL | | | | | |
| 16.1 | Providng corrugated GS sheet roffing including verticle flash curve surface fixed with polymer coated J or L hooks, bolts and nuts 8mm dia. With bitumen and GI limpet washer or with GI limpet washer filled with white lead and including a coat of approved steel primer and 2 coats of approved paint on overlapping of sheets complete (upto any pitch in horizontal/verticle or curved surfaces) excluding the cost of purlins, rafters anfd trusses and including cutting to size and shape whenever required. 1.00 mm thick with zinc coztng not less than 275gm/m2 | Sqm | 530.00 | | | |
| 16.2 | Steel Structure for Roof (Purlin,Rafter Hollow section) 3kg per SQFT(5358 sqft) | KG. | 16075.00 | | | |
| 16.3 | Providing Gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design. | R.MT. | 16 | | | |
| 17 | ELECTRICAL (LUMP SUMP) | SQM | 360.00 | | | |
| 18 | PLUMBING (LUMP SUMP) | SQM | 360.00 | | | |
| 19 | AIR CONDITIONING (40000/TON) | TON | 9 | 40000/TON | 360000.00 | |
| 20 | FURNITURE | L.S. | | | | |
| 21 | WOODEN FALSE CEILING | | | | | |
| 21.1 | P/F Wooden false ceiling out of second class teak wood slats 12mm thick fixed on 10m water proof ply wood fixed on GI steel frame grid 600x600. Mellamine polish to wooden false ceiling and insulation in rock wool | SQM | 550 | | | |