**FINANCIAL BID**

Repair/Renovation/Retrofitting of external , internal & common area, painting, civil repair, plumbing, interior andelectrical works in company owned 10 nos of residential Flats for National Insurance Co Ltd at Rajnigandha Apartment, Sahibabad, UP.

**Tender No.:** NIC/NLV/Estb /T- 4/2017

**SUMMARY OF BILL OF QUANTITIES**

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| **SUMMARY OF BOQ FOR NICL FLAT NO 131-32, 217,218, 224, 225, 226, 227, 237, 238 AND 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | |
| **S. No.** | **Items** | | **Amount** |
|  |  |  |  |
| **1** | **DISMANTALING WORK** | |  |
|  |  |  |  |
| **2** | **DISMANTALING OF TERRACE** | |  |
|  |  |  |  |
| **3** | **CIVIL WORK** | |  |
|  |  |  |  |
| **4** | **PLUMBING WORK** | |  |
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| **5** | **INTERIOR WORK** | |  |
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| **6** | **ELECTRICAL WORK** | |  |
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| **7** | **TERRACE WORK** | |  |
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| **8** | **TOTAL** | |  |
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| **9** | **DISCOUNT IF ANY** | |  |
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| **10** | **GRAND TOTAL** | |  |
| **AMOUNT IN WORDS:** | | | | | |
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| **BOQ OF DISMANTLING FOR NICL FLAT NO 131-32, 217,218, 224, 225, 226, 227, 237, 238 AND 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | | | | |
| **S.NO.** | **DESCRIPTION** | **UNIT** | **QTY.** | **RATE** | **AMOUNT** | **DSR NO. 2016** |
| **1** | **OLD PLASTER / DISMANTLING** |  |  |  |  |  |
|  | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | SQM | 688 |  |  | **15.56** |
| **2** | **TILE WORK** |  |  |  |  |  |
|  | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. |  |  |  |  |  |
|  | For thickness of tiles 10 mm to 25 mm | SQM | 369 |  |  | **15.23.1** |
| **3** | **DEMOLISHING PCC IN TOILET 1:3:6 RICHER MIX** | CUM | 5.6 |  |  | **15.2.1** |
| **4** | **SANATRY FIXTURES** |  |  |  |  |  |
|  | Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. | EACH | 59 |  |  | **15.52** |
| **5** | **WOODEN BOARDING** |  |  |  |  |  |
|  | Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead : |  |  |  |  |  |
|  | Upto 10mm thick | SQM | 64 |  |  | **15.39.1** |
| **6** | **RCC DEMOLISHING** |  |  |  |  |  |
|  | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. | CUM | 4 |  |  | **15.3** |
| **7** | **ALUMINIUM PARTITION, DOOR ,WINDOWS** |  |  |  |  |  |
|  | Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge. | SQM | 0 |  |  | **15.57** |
| **8** | **STEEL AND WOOD DOORS SHUTTERS** |  |  |  |  |  |
|  | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : |  |  |  |  |  |
|  | Of area 3 sq. metres and below | EACH | 0 |  |  | **15.12.1** |
|  | Of area beyond 3 sq. metres | EACH | 0 |  |  | **15.12.2** |
| **9** | **WOODEN DOOR INCLUDING CHOUKHAT** |  |  |  |  |  |
|  | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : |  |  |  |  |  |
|  | Of area 3 sq. metres and below | EACH | 88 |  |  | **15.12.1** |
| **10** | **BRICK WORK** |  |  |  |  |  |
|  | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. |  |  |  |  |  |
|  | In cement mortar | CUM | 0.9 |  |  | **15.7.4** |
| **11** | **G.I. PIPE** |  |  |  |  |  |
|  | Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : |  |  |  |  |  |
|  | 15 mm to 40 mm nominal bore | MTR. | 660 |  |  | **15.44.1** |
|  | **TOTAL AMOUNT** |  |  |  |  |  |

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| **BOQ OF DISMANTLING OF TERRACE WORK FOR NICL FLAT NO 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | | | | |
| **S.NO.** | **DESCRIPTION** | **UNIT** | **QTY.** | **RATE** | **AMOUNT** | **DSR NO. 2016** |
| **1** | **MUD PHASKA** |  |  |  |  |  |
|  | Demolishing mud phaska in terracing and disposal of material within 50 metres lead. | CUM | 12 |  |  | **15.27** |
| **2** | **GOLA** |  |  |  |  |  |
|  | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer – in - charge. |  |  |  |  |  |
|  | Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) | CUM | **0.35** |  |  | **15.2.1** |
| **3** | **RAIN WATER PIPE/C.I. PIPE** |  |  |  |  |  |
|  | Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : |  |  |  |  |  |
|  | 100m dia pipe | MTR. | 31 |  |  | **15.42.2** |
| **4** | **OLD PLASTER / DISMANTLING** |  |  |  |  |  |
|  | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | SQM | 24 |  |  | **15.56** |
| **5** | **STEEL BUILD UP SECTION RAILINGS DEMOLISHING** |  |  |  |  |  |
|  | Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead. | KG | 0 |  |  | **15.18** |
| **6** | **RCC DEMOLISHING ( CHHAJJA )** |  |  |  |  |  |
|  | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. | CUM | 0 |  |  | **15.3** |
| **7** | **G.I. PIPE** |  |  |  |  |  |
|  | Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : |  |  |  |  |  |
|  | 15 mm to 40 mm nominal bore | MTR. | 50 |  |  | **15.44.1** |
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|  | **TOTAL AMOUNT** |  |  |  |  |  |

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| **BOQ OF CIVIL WORK FOR NICL FLAT NO 131-32, 217,218, 224, 225, 226, 227, 237, 238 AND 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | | | | |
| **SL.No** | **DESCRIPTION** | **UNIT** | **QTY.** | **RATE** | **AMOUNT** | **DSR NO.**  **2016** |
| **1** | **REPAIRING OF PLASTER** |  |  |  |  |  |
|  | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : |  |  |  |  |  |
|  | With cement mortar 1:4 (1 cement : 4 fine sand) | SQM | 688 |  |  | 14.1.1 |
| **2** | **ANTI TERMITE** |  |  |  |  |  |
|  | Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : |  |  |  |  |  |
|  | Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor : |  |  |  |  |  |
|  | With Chlorpyriphos/Lindane E.C. 20% with 1% concentration | SQM | 733 |  |  | 2.35.3.1 |
| **3** | **NEW PLASTER** |  |  |  |  |  |
|  | 15 mm cement plaster on rough side of single or half brick wall of mix : |  |  |  |  |  |
|  | 1:4 (1 cement: 4 coarse sand) | SQM | 0 |  |  | 13.5.1 |
| **4** | **SCAFFOLDING** |  |  |  |  |  |
|  | Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. Tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. Staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. | SQM | 324 |  |  | 14.72 |
| **5** | **Repairing of old RCC members.ie. Beams,slabs,cols etc.** |  |  |  |  |  |
| A | Repairing and strengthening of RCC members like slab/beam/columns etc. Chasing and hacking the damaged surface providing and welding additional TMT rebar of Fe-500 (if required) after throughly sandblasting/sandpapering (as required) the existing rebar to make it rust free surface. The necessary concreting to be done with **M-30** grade design mix (28 days strength to be checked and standard deviation of the collected sample will be as per IS standard and will be 4).Coat/s polymer modified old-new concrete joining material of NITOBOND or equivalent to be applied as per the manufacturer's specification before concreting. The proper clear cover to be maintained in all members and for column it will be 40 mm, for beam and slab will be 25 and 15 mm respectively. This rate is inclusive of necessary shuttering, scaffolding/padding (if external surface) curing for at least 14 days, all complete as per the direction of the Architect. **UPTO 15-25 mm depth.** | SQM | 44 |  |  | MR |
| B | Repairing and strengthening of RCC members like slab/beam/columns etc. Chasing and hacking the damaged surface providing and welding additional TMT rebar of Fe-500 (if required) after throughly sandblasting/sandpapering (as required) the existing rebar to make it rust free surface. The necessary concreting to be done with **M-30** grade design mix (28 days strength to be checked and standard deviation of the collected sample will be as per IS standard and will be 4).Coat/s polymer modified old-new concrete joining material of NITOBOND or equivalent to be applied as per the manufacturer's specification before concreting. The proper clear cover to be maintained in all members and for column it will be 40 mm, for beam and slab will be 25 and 15 mm respectively. This rate is inclusive of necessary shuttering, scaffolding/padding (if external surface) curing for at least 14 days, all complete as per the direction of the Architect. **UPTO 25 mm depth.** | SQM | 19 |  |  | MR |
| C | Repairing and strengthening of RCC members like slab/beam/columns etc. Chasing and hacking the damaged surface providing and welding additional TMT rebar of Fe-500 (if required) after throughly sandblasting/sandpapering (as required) the existing rebar to make it rust free surface. The necessary concreting to be done with **M-30** grade design mix (28 days strength to be checked and standard deviation of the collected sample will be as per IS standard and will be 4).Coat/s polymer modified old-new concrete joining material of NITOBOND or equivalent to be applied as per the manufacturer's specification before concreting.The proper clear cover to be maintained in all members and for column it will be 40 mm, for beam and slab will be 25 and 15 mm respectively.This rate is inclusive of necessary shuttering,scaffolding/padding (if external surface) curing for at least 14 days, all complete as per the direction of the Architect. **UPTO 40 mm depth.** | SQM | 19 |  |  | MR |
| **6** | **REINFORCEMENT** |  |  |  |  |  |
|  | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. |  |  |  |  |  |
|  | Thermo-Mechanically Treated bars | KG | 320 |  |  | 5.22.6 |
| **7** | **DESIGN MIX CONCRETE** |  |  |  |  |  |
|  | Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. |  |  |  |  |  |
|  | All works above plinth level upto floor V level | CUM | 0 |  |  | 5.33.2 |
| **8** | **FORM WORK** |  |  |  |  |  |
| A | Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12 mm thick | SQM | 0 |  |  | 5.9.20 |
| B | Lintels, beams, plinth beams, girders,bressumers and cantilevers. With water proof ply 12 mm thick | SQM |  |  |  | 5.9.21 |
| **9** | **HALF BRICK WORK** |  |  |  |  |  |
|  | 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. |  |  |  |  |  |
|  | Cement mortar 1:3 (1 cement :3 coarse sand) | SQM | 0 |  |  | 6.13.1 |
|  | Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. | SQM | 0 |  |  | 6.15 |
| **10** | **GRANITE COUNTER** |  |  |  |  |  |
|  | Providing and fixing 18 mm 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 20 mm 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. |  |  |  |  |  |
|  | Granite of any colour and shade |  |  |  |  | 8.2.2 |
| **i** | Area of slab upto 0.50 sqm | SQM | 0 |  |  | 8.2.2.1 |
| **ii** | Area of slab over 0.50 sqm | SQM |  |  |  | 8.2.2.2 |
|  |  |  |  |  |  |  |
| **11** | **GRANITE FLOORING/ SKIRTING/STAIRCASE** |  |  |  |  |  |
| **i** | Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineerin- Charge : |  |  |  |  |  |
|  | Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. | SQM | 0 |  |  | 8.12 |
|  | **GRANITE SKIRTING / STAIRCASE** |  |  |  |  |  |
| **ii** | Providing and fixing machine cut, mirror / eggshell polished , Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 oarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge. a. 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc. | SQM | 0 |  |  | 8.11 |
| **12** | **KOTA STONE FLOORING** |  |  |  |  |  |
|  | 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) : |  |  |  |  |  |
|  | 25 mm thick | SQM | 36 |  |  | 11.26.1 |
| **13** | **KOTA STONE SKIRTING** |  |  |  |  |  |
|  | Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. | SQM | 16.2 |  |  | 11.27 |
| **14** | **CERAMIC WALL TILE** |  |  |  |  |  |
|  | Providing and fixing Ist 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 : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. | SQM | 343 |  |  | 11.36 |
| **15** | **CERAMIC FLOOR TILE** |  |  |  |  |  |
|  | 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), including pointing the joints with white cement and matching pigment etc, complete. | SQM | 135 |  |  | 11.37 |
| **16** | **VITRIFIED FLOOR TILE** |  |  |  |  |  |
|  | Providing and laying 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), including grouting the joints with white cement and matching pigments etc., complete. |  |  |  |  | 11.41 |
|  | Size of Tile 600x600 mm | SQM | 577 |  |  | 11.41.2 |
| **17** | **VITRIFIED SKIRTING** |  |  |  |  |  |
|  | Providing and laying Vitrified 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 brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). |  |  |  |  | 11.47 |
|  | Size of Tile 600x600 mm | SQM | 60.8 |  |  | 11.47.2 |
| **18** | **GROUTING** |  |  |  |  |  |
|  | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. |  |  |  |  | 11.48 |
|  | Size of Tile 600x600 mm | SQM | 0 |  |  | 11.48.2 |
| **19** | **WATER PROOFING IN TOILET** |  |  |  |  |  |
|  | Providing and laying water proofing treatment in sunken portion of Wcs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. | SQM | 59.3 |  |  | 22.5 |
| **20** | **CINDER FILLING** |  |  |  |  |  |
|  | CINDER FILLING- After breaking the existing flooring surface. Cleaning & screeding the surface with the cement slurry, & covering the same with fresh Cinder cobe embeded manually with waterproofing mortar 1:4 (1 cement : 4 coarse sand ) in layers | CUM | 11.2 |  |  | MR |
| **21** | **GRANITE POLISH** |  |  |  |  |  |
|  | Mirror polishing on marble work/Granite work/stone work where everrequired to give high gloss finish complete. | SQM | 26.1 |  |  | 8.6 |
|  | **TOTAL AMOUNT** |  |  |  |  |  |

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| **BOQ OF PLUMBING AND SANITARY WORK FOR NICL FLAT NO 131-32, 217,218, 224, 225, 226, 227, 237, 238 AND 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | | | | |
| **S.No.** | **Description** | **Unit** | **Qty.** | **RATE** | **Amount** | **DSR NO. 2016** |
|  | **PLUMBING WORKS** |  |  |  |  |  |
| **1** | Providing and fixing white vitreous china wall mounting (wall hung) water closet with CP Bolts, nuts, CI chair hanging arrangements, bakelite seat cover with CP hinges and rubber buffers, CP Brass screw, washer with all accessories with WC connector and rubber lip/buffer and side gap filled with silicon sealant wherever required with chrome finished brass dual flush concelaed cistern comprising actuator button facia assembly including brass/SS screws and washer complete including cutting making good the walls, floors, slabs wherever required all complete as per direction of Architect: EWC of make Kohler model 8752T-S-0 or approved equivalent/Make Grohe model 3128MR-WT +WD11260S-WT (Seat Cover) or approved equivalent/Make Jaquar model SLS-WHT-6951or approved equivalent and concealed cistern of make Kohler model 77027IN-M-NA/Make Grohe model 38987000 or approved equivalent/Make Jaquar model CIB-WHT-31801011X or approved equivalent and control plate of make Kohler model 4177IN-M-CP or approved equivalent/Make Grohe model 38505000 or approved equivalent/Make Jaquar model CI-CHR-31181810X or approved equivalent |  |  |  |  |  |
|  | **Roca Nexo/ Hindware /Jaqaur** | No | 12 |  |  | **MR** |
| **2** | Providing & fixing under counter wash basin with CI Brackets of make Kohler model 2075IN-1-0 or approved equivalent/make Grohe model 470LMR-WT or approved equivalent/make Jaquar model FLS-WH-5701 or approved equivalent including 32mm CP Brass waste fitting of make Kohler model 45432 IN-CP or approved equivalent/make Jaquar model ALD-729 or approved equivalent including painting of fittings and brackets, cutting and making good the wall, floor, slab wherever required all complete as per direction of Architect. |  |  |  |  |  |
|  | **Roca Nexo/ Hindware /Jaqaur** | No | 22 |  |  | **MR** |
| **3** | Providing & fixing Indian style W.C. of approved make in white colour, complete as per instructions at site. |  |  |  |  |  |
|  | **Roca Nexo/ Hindware/Jaquar** | Nos | 8 |  |  | **MR** |
| **4** | Providing & fixing C.P. Stop Cocks of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 32 |  |  | **MR** |
| **5** | Providing & fixing C.P. Bib Cocks of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 24 |  |  | **MR** |
| **6** | Providing & fixing C.P. Pillar cock of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 42 |  |  | **MR** |
| **7** | Providing & fixing C.P. Angle Valve of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 100 |  |  | **MR** |
| **8** | Providing & fixing C.P. Paper Holders of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 20 |  |  | **MR** |
| **9** | Providing & fixing C.P. Soap Dispenser of approved make fixed on the walls with pvc dash fasteners complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 20 |  |  | **MR** |
| **10** | Providing & fixing C.P. Towel Rod of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 20 |  |  | **MR** |
| **11** | Providing & fixing C.P. Connection pipes of requisite length with C.P. nuts & bolts at either end complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 100 |  |  | **MR** |
| **12** | Providing & fixing Health faucet of approved make complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 20 |  |  | **MR** |
| **13** | Providing & fixing 3"/4" C.I. Floor Trap in the floors including making joint with C.I. Pipes complete as per instructions at site. |  |  |  |  |  |
|  | **Jaquar** | Nos | 40 |  |  | **MR** |
| **14** | Providing & fixing 6 mm thick looking mirror of Modi, Atul or approved equivalent make. The mirror will be fixed on 3/4" dia SS finish stud, all complete as per instructions at site. |  |  |  |  |  |
|  |  | Sft | 100 |  |  | **MR** |
| **15** | Providing and fixing 600 x 120 x 5mm glass shelf with round edges supported on anodised aluminium angle frame with C.P brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc all complete as directed by Architect |  |  |  |  |  |
|  |  | Nos | 12 |  |  | **MR** |
| **16** | Providing and fixing CP Brass Bottle Trap of make Grohe - Model 29058000 or approved equivalent/Make Jaquar - Model ALD769L or approved equivalent/Kohler model 16407IN-CP or approved equivalent all complete as directed. |  |  |  |  |  |
|  | **Jaquar** | Nos | 30 |  |  | **MR** |
| **17** | Providing and fixing CP Brass Single lever Basin mixer without popup waste and 450 mm long braided hoses of Make Grohe - Model Bauflow-32854000 or approved equivalent/Make Jaquar - Model DRC-37011B or approved equivalent/Make Kohler - model 98827IN-4ND-CP or approved equivalent with all fitting and fixtures all complete as directed |  |  |  |  |  |
|  | **Jaquar** | Nos | 0 |  |  | **MR** |
| **18** | Providing and fixing CP Brass wall mixer of make Kohler model-----or approved equivalent/Grohe model 23198000 or approved equivalent/jaquar model FLR-5273UPR or aprpoved equivalent including cutting making good the walls wherever required all complete as per direction of Architect |  |  |  |  |  |
|  | **Jaquar** | Each | 20 |  |  | **MR** |
| **19** | Providing and fixing Over head shower of make Kohler model 16356IN-A-CP/Jaquar model OHS-35495 or approved equivalent along with Arm SHA-477 at all height all complete as per direction of Architect. |  |  |  |  |  |
|  | **Jaquar** | Each | 12 |  |  | **MR** |
| **20** | Providing and fixing of Kitchen sink with following material, with R.S. or C.I. brackets painted white, C.P. brass chain with rubber plug, 40 mm dia C.P. brass waste of standard pattern, complete including cutting and making good the walls wherever required, of the following make and type: (or equal approved) |  |  |  |  |  |
|  |  | Each | 10 |  |  | **MR** |
| **21** | **SOIL, WASTE AND VENT PIPES & FITTINGS** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 21.1 | Providing & fixing UPVC soil, waste, vent pipework comprising UPVC pipe conforming to IS :4985-1983 and of required class as specified below and fittings (moulded as well as fabricated) like elbows, bends, reducers, threaded tail pieces, caps and and other specials. jointing with cement solvent, chasing, cutting and making good the walls, complete in all respects including testing of complete installation. |  |  |  |  |  |
| i | 75 mm dia | Rm | 94 |  |  | **MR** |
| ii | 100mm dia | Rm | 88 |  |  | **MR** |
|  |  |  | 0 |  |  |  |
| 21.2 | Providing and fixing Chloronated Polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & Cold water supply, including all CPVC plain & brass threaded fitting i/n fixing the pipe with clamps at 1.00 M spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting and making good the same including testing of joints complete as per direction of Engineer in Charge. (CONCEALED WORK: including cutting chases and making good the same walls etc. complete |  |  |  |  |  |
| i | **15.00 mm nominal outer dia.** | Rm | 156 |  |  | **MR** |
| ii | **20.00 mm nominal outer dia** | Rm | 126 |  |  | **MR** |
| iii | **32.00 mm nominal outer dia** | Rm | 104 |  |  | **MR** |
|  |  |  |  |  |  |  |
| **TOTAL AMOUNT** | | | | |  |  |

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| **BOQ OF INTERIOR WORK FOR NICL FLAT NO 131-32, 217, 218,224, 225, 226, 227, 237, 238 AND 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | | | | |
| **S. No.** | **Description** | **Unit** | **Qty.** | **Rate** | **Amount** | **DSR NO. 2016** |
| **1** | **POP** |  |  |  |  |  |
|  | Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete. | SQM | 1367 |  |  | **13.26** |
| **2** | **PAINTING** |  |  |  |  |  |
|  | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : |  |  |  |  |  |
|  | One or two coats on old work | SQM | 2763 |  |  | **14.53.1** |
| **3** | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : |  |  |  |  |  |
|  | Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture | SQM | 364.00 |  |  | **13.62.1** |
| **4** | Providing & applying of **exterior grade textured paint** on walls and columns. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats of approved make, quality & shade shall be provided. |  |  |  |  |  |
|  | Finishing walls with textured exterior paint of required shade Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm. | SQM | 332.50 |  |  | **14.65.1** |
| **5** | **STORAGES** |  |  |  |  |  |
|  | Providing and fixing Full / low height storages . Top board 25mm thick Particle board substrate with HPL post formed in full round profile (bull nosing), underside covered with balancing laminate. All edges duly banded with 0.4mm PVC edge banding with hot melt glue and machine trimed. Front shutters over lapping the carcass edges in 18mm thick with high pressure laminate (HPL) post formed in quarter round profile with particle board substrate, back side & Inner side also laminated. Short sides edge banded as above in approve shade. Carcass structure manufacture in 18mm thick prelaminate board including shelves. Back to be 9mm thick prelaminated board of approved shade. All edges duly machined edge banded with hot melt glue. Concealed stainless steel hardware including metal dowels, spring loaded hinges, locks, tower bolts, handles and other fixtures accurately fixed with necessary machines/drills/tools etc.. complete as per detailed drawings. |  |  |  |  |  |
|  | 450mm deep (overall) | SQM |  |  |  | **MR** |
|  | 600mm deep (overall) | SQM | 149 |  |  | **MR** |
| **6** | **OVER HEAD STORAGE** |  |  |  |  |  |
|  | Fabricating and fixing overhead storage cabinet formed of 20mm plywood formwork/carcass as per details.Shutter of overhead cabinet to be formed of 20mm commercial plywood post laminate with 1mm thick HP laminate to approved shade. Rear of cabinet to be formed of 12mm commercial plywood. All internal surfaces to be post laminated with 0.8mm thick laminate to approved shade. All external exposed surfaces to be finished with 1mm thick laminate to approved shade. The cabinet to have all necessary hardware complete as per details.Exposed wood surfaces to be finished with spray applied melamine polish (Storages shall be fabricated in factory, transported and installed at site) |  |  |  |  |  |
|  | 450mm deep (overall) | SQM | 18 |  |  | **MR** |
| **7** | **WOODEN FRAME WORK** |  |  |  |  |  |
|  | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). |  |  |  |  | **9.1** |
|  | **Second class teak wood** | CUM | 1.36 |  |  | **9.1.1** |
| **8** | **DOOR SHUTTER** |  |  |  |  |  |
|  | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. |  |  |  |  |  |
|  | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | SQM | 62.56 |  |  | **9.20.1** |
| **9** | **PELMET** |  |  |  |  |  |
|  | Providing and fixing 18 mm thick, 150 mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS : 3087 marked, including top cover of 6 mm commercial ply wood conforming to IS: 303 BWR grade, nickel plated M.S. pipe 20 mm dia ( heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete. | MTR | 166 |  |  | **9.42** |
| **10** | **MIRROR IN BED ROOM** |  |  |  |  |  |
|  | Providing & fixing 6 mm thick beveled edge mirror of required size with wooden frame of approved quality and as per specifications, with 6mm thick asbestos plain sheet ground fixed with C.P. brass screws and washers.(The mirror has to be of best impor) | EACH | 20 |  |  | **17.32** |
|  | Size as per site condition |  |  |  |  |  |
| **11** | **UPVC WINDOW THREE TRACK SYSTEM** |  |  |  |  |  |
|  | Providing & fixing of UPVC Window of finesta make with three track system with all necessary hardware, gasket and other necessary arrangents all compleet as per manufacturers specification. | SQM | 154 |  |  | **MR** |
| **12** | **CORNICE** |  |  |  |  |  |
|  | Providing and fixing wooden cornice moulding along the pheriferi wherever the walls/ partition meets the ceiling.Size 1 1/2" x 1 1/2" duly polished as per approval of the architect. | RMT |  |  |  | **MR** |
| **13** | **Structual Steel** |  |  |  |  |  |
|  | 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. | KG | 0.00 |  |  | **10.2** |
| **14** | **GLASS FIXING** |  |  |  |  |  |
|  | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: |  |  |  |  |  |
|  | Float glass panes of thickness 5.5 mm | SQM | 0 |  |  | **14.5.2** |
| **15** | **RENEWAL OF OLD GLASS PUTTY** |  |  |  |  |  |
|  | Renewal of old putty of glass panes (length) | MTR | 0 |  |  | **14.9** |
| **16** | **FIXING WIRE MASH** |  |  |  |  |  |
|  | Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. |  |  |  |  |  |
|  | With 12 mm mild steel U beading | SQM | 59.5 |  |  | **9.51.2** |
|  | **TOTAL AMOUNT** | | |  |  |  |

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| **BOQ OF ELECTRICAL WORK FOR FOR NICL FLAT NO 131-32, 217, 218, 224, 225, 226, 227, 237, 238 AND 331-32 RAJNIGANDHA APARTMENT, SAHIBABAD, UP.** | | | | | |
| **S.No** | **DESCRIPTION** | **Qty** | **Unit** | **Rate** | **Amount** |
| **1** | Supply and installation of 4 way -TPN double door DB with the following incomer-4 pole ELCB, 63 Amps &4 Pole MCB 63 Amps.Outgoing-32 Amps,SP MCB(8 nos) and 16 Amps SP MCB (6 Nos). | 10 | Set |  |  |
| **2** | Supply and providing of switch and sockets(All modulars only) as described. 15 Amps sockets modular, including 2x4sqmm+1x1.5sqmm earth wire.PVC insulated copper including PVC pipe( separately at remote places including base metal boxes etc as required for geyser) | 20 | No. |  |  |
| **3** | Supply and providing of 1 nos 5 Amps switch socket and 1 nos 15 Amps switch socket in a single PVC box and plates with 4 Module box kitchen pt including 2x4sqmm+1x1.5sqmm earth wire.PVC insulated copper including PVC pipe(for mixer,microwave etc with indicative tv point) | 100 | No. |  |  |
| **4** | Supply and providing of 1 nos 5 Amps switch and 1 nos 5 Amps socket in single PVC box and plates with 4 Module box kitchen pt including 2x2.5sqmm +1x1.5 sqmm PVC insulated copper including PVC Pipe(for water purifier etc) | 10 | No. |  |  |
| **5** | Point Wiring: Supply ,installation ,Testing and commissioning of light points,6 Amps socket outlets.Light points with concealed wiring 3X1.5 SQ MM PVC Cu wire with Modular Switch including PVC pipe | 150 | Nos |  |  |
| **6** | Ceiling and Exhaust fan point wiring: same as item No. 5 complete with modualr type switch plate &MS conceal box & 3 pin ceiling rose. | 80 | Nos |  |  |
| **7** | One nos 5 Amps 3 Pin socket controlled by one of 5 Amps switch lighting switch board | 60 | Nos |  |  |
| **8** | Telephone Sockets(All Modular) Providing,Fixing,Testing and Commissioning of single/dual telephone socket with MS concealed box | 30 | No. |  |  |
| **9** | Power Circuit wiring in concealed conduit pipes with 2X4 SQ MM+1X2.5 SQ MM PVC Insulated Cu conductor wire , For Air Conditioners | 500 | Mts |  |  |
| **10** | Lighting circuit wiring 2X2.5 SQ MM PVC insulated Cu conductor wire and 1X1.5 SQ MM green wire to be used as earthing from respective lighting & DB's to various switch boards | 1500 | Mts |  |  |
| **11** | Supply and Providing 1 nos 25 Amps socket with 25 Amp SP MCB , make in single PVC sheet with 3 Module box for Air Conditioners | 30 | Nos |  |  |
| **12** | Providing & Fixing call bell with bell | 10 | No. |  |  |
| **13** | Providing & Fixing Electronic step fan regulator | 50 | No. |  |  |
| **14** | Meter to main DB circuit wiring 3X6 SQ MM PVC insulated Cu conductor wire and 1X4 SQ MM with PVC conduit of required size. | 100 | Mtr |  |  |
|  | **TOTAL AMOUNT** |  |  |  |  |

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| **BOQ OF TERRACE WORK FOR NICL FLAT NO-331-32 SAHIBABAD** | | | | | | |
| **SL.No** | **DESCRIPTION** | **UNIT** | **QTY.** | **RATE** | **AMOUNT** | **DSR NO.2016** |
|  | **TERRACE WORK ITEMS** |  |  |  |  |  |
| **1** | **BRICK COBA** |  |  |  |  |  |
|  | Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand ) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineerin-Charge : |  |  |  |  |  |
|  | With average thickness of 120 mm and minimum thickness at khurra as 65 mm. | SQM | 96 |  |  | 22.7.1 |
| **2** | **GOLA** |  |  |  |  |  |
|  | Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : |  |  |  |  | 12.21 |
|  | In 75x75 mm deep chase | MTR | 61 |  |  | 37246 |
| **3** | **KURRAS** |  |  |  |  |  |
|  | Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. | EACH | 3 |  |  | 12.22 |
| **4** | **RAIN WATER PIPE** |  |  |  |  |  |
|  | 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. |  |  |  |  |  |
|  | 110 mm diameter | MTR | 50 |  |  | 12.41.2 |
| **5** | **REPAIRING OF OLD PLASTER** |  |  |  |  |  |
|  | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : |  |  |  |  |  |
|  | With cement mortar 1:4 (1 cement : 4 fine sand) | SQM | 24 |  |  | 14.1.1 |
| **6** | **NEW PLASTER OUTSIDE / INSIDE** |  |  |  |  |  |
|  | 15 mm cement plaster on rough side of single or half brick wall of mix : |  |  |  |  |  |
|  | 1:4 (1 cement: 4 coarse sand) | SQM | 0 |  | 0 | 13.5.1 |
| **7** | **SCAFFOLDING** |  |  |  |  |  |
|  | Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. Tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. Staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. | SQM | 46 |  |  | 14.72 |
| **8** | **REINFORCEMENT ( CHHAJJA )** |  |  |  |  |  |
|  | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. |  |  |  |  |  |
|  | Thermo-Mechanically Treated bars | KG | 0 |  |  | 5.22.6 |
| **9** | **DESIGN MIX CONCRETE** |  |  |  |  |  |
|  | Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. |  |  |  |  |  |
|  | All works above plinth level upto floor V level | CUM | 0 |  |  | 5.33.2 |
| **10** | **FORM WORK** |  |  |  |  |  |
| A | Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12 mm thick | SQM | 5 |  |  | 5.9.20 |
| B | Lintels, beams, plinth beams, girders,bressumers and cantilevers. With water proof ply 12 mm thick | SQM |  |  |  | 5.9.21 |
| **11** | **9” BRICK WORK ( NEW PARAPET WALL )** |  |  |  |  |  |
|  | Brick work 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 in all shapes and sizes in : |  |  |  |  |  |
|  | Cement mortar 1:4 (1 cement : 4 coarse sand) | CUM | 5 |  |  | 6.4.1 |
| **12** | **HALF BRICK WORK** |  |  |  |  |  |
|  | 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. |  |  |  |  |  |
|  | Cement mortar 1:3 (1 cement :3 coarse sand) | SQM | 0 |  |  | 6.13.1 |
|  | Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. | SQM | 0 |  |  | 6.15 |
| **13** | **EXPOSED BRICK WORK** |  |  |  |  |  |
|  | Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand) |  |  |  |  |  |
|  | Above plinth level upto floor V level | CUM | 0 |  |  | 6.26.2 |
| **14** | **STONE WOK IN COPING** |  |  |  |  |  |
|  | Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) : |  |  |  |  |  |
|  | 30 mm thick | SQM | 4 |  |  | 7.23.1.5 |
| **15** | **EXTERIOR PAINT** |  |  |  |  |  |
|  | Finishing walls with textured exterior paint of required shade : New work (Two or more coats applied @ 3.28 ltr/10 sqm) overand including priming coat of exterior primer applied @ 2.20kg/ 10 sqm | SQM | 180 |  |  | 13.45.1 |
|  |  |  |  |  |  |  |
|  | **TOTAL AMOUNT** |  |  |  | **195491.95** |  |