

COCHIN PORT AUTHORITY

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Tender No:

Name of Work : Renovation of Port Guest House and Annex of Cochin Port Authority

SCHEDULE - "I"- SCHEDULE OF QUANTITIES OF WORK TO BE DONE ON CONTRACT

Name and Address of the Vendor:

Sl.No.	Sub-heads and items of work	Unit	Approximate Quantity	Departmental Rate/unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
PART.A.RENOVATION OF PORT GUEST HOUSE							
1	Taking out doors, windows and clerestory window (Aluminium, steel or wood) including stacking within 50 m lead as per the directions of Engineer-in-Charge.	Nos	78.00	144.81	Rupees One Hundred Forty Four and Eighty Paise Only	11294.85	Rupees Eleven Thousand Two Hundred Ninety Four and Eighty Four Paise Only
2	Dismantling tile works of thickness of tiles 10 mm to 25 mm in floors and roofs laid in cement mortar including stacking material within 50 m lead as per the directions of Engineer-in-Charge.	M ²	810.00	74.54	Rupees Seventy Four and Fifty Four Paise Only	60380.11	Rupees Sixty Thousand Three Hundred Eighty and Ten Paise Only
3	Dismantling W.C. Pan / Wash basin of all sizes including disposal of dismantled materials including malba all complete as per the directions of Engineer-in-Charge.	Nos	23.00	130.47	Rupees One Hundred Thirty and Forty Six Paise Only	3000.76	Rupees Three Thousand and Seventy Six Paise Only
4	Dismantling aluminium/ Gypsum partitions, MS grill and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 m lead as per the directions of Engineer-in-Charge.	M ²	140.00	57.08	Rupees Fifty Seven and Seven Paise Only	7991.16	Rupees Seven Thousand Nine Hundred Ninety One and Fifteen Paise Only
5	Providing and fixing false ceiling with 12.5 mm thick tapered edge gypsum moisture resistant board at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting	M ²	550.00	1748.00	Rupees One Thousand Seven Hundred Forty Seven and Ninety Nine Paise Only	961398.49	Rupees Nine Lakh Sixty One Thousand Three Hundred Ninety Eight and Forty Eight Paise Only
6	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing of mix 1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), as per the directions of the Engineer in Charge	M ³	3.00	12199.35	Rupees Twelve Thousand One Hundred Ninety Nine and Thirty Five Paise Only	36598.06	Rupees Thirty Six Thousand Five Hundred Ninety Eight and Six Paise Only
7	Providing and laying vitrified Floor/ wall tiles (Material cost not less than Rs. 2155/M2) of size 100cm x 100cm or 80cm x 160cm or 60cm x 120cm or suitable nearest size available in the market and of minimum thickness 9mm or suitable nearest size available in the market (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 @ 3.3 kg/ sqm including filling the joints with epoxy of matching colour etc., complete as per the directions of Engineer-in-Charge	M ²	900.00	3396.58	Rupees Three Thousand Three Hundred Ninety Six and Fifty Eight Paise Only	3056922.65	Rupees Thirty Lakh Fifty Six Thousand Nine Hundred Twenty Two and Sixty Four Paise Only
8	Grouting the joints of flooring tiles 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 the direction of Engineer-in-charge.	M ²	900.00	186.66	Rupees One Hundred Eighty Six and Sixty Six Paise Only	167997.73	Rupees One Lakh Sixty Seven Thousand Nine Hundred Ninety Seven and Seventy Two Paise Only

9	Providing and laying Granite slab (Material cost not less than Rs. 3122/M2) 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, including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	M ²	16.00	7108.46	Rupees Seven Thousand One Hundred Eight and Forty Six Paise Only	113735.36	Rupees One Lakh Thirteen Thousand Seven Hundred Thirty Five and Thirty Six Paise Only
10	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 as per the directions of Engineer-in-Charge.	Kgs	650.00	138.28	Rupees One Hundred Thirty Eight and Twenty Eight Paise Only	89883.51	Rupees Eighty Nine Thousand Eight Hundred Eighty Three and Fifty Paise Only
11	Providing and fixing table top of size 1.17x0.58x0.45M using Multi wood, Micca sheet, Italian Marble slab, hardware items like Glue,Nails, Screws, bolts, labour and materials all complete as per the directions of Engineer in Charge.	Each	9.00	16237.88	Rupees Sixteen Thousand Two Hundred Thirty Seven and Eighty Eight Paise Only	146140.92	Rupees One Lakh Forty Six Thousand One Hundred Forty and Ninety Two Paise Only
12	Plastering with cement mortar 1:4, 12 mm thick on masonry surfaces, trowelled hard including scaffolding, curing etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	110.00	362.66	Rupees Three Hundred Sixty Two and Sixty Five Paise Only	39892.58	Rupees Thirty Nine Thousand Eight Hundred Ninety Two and Fifty Eight Paise Only
13	Providing and fixing 20 mm nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes concealed work, jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints and making good the walls etc complete as per the directions of Engineer in Charge.	M	30.00	649.82	Rupees Six Hundred Forty Nine and Eighty Two Paise Only	19494.75	Rupees Nineteen Thousand Four Hundred Ninety Four and Seventy Four Paise Only
14	Providing and fixing 25 mm nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This include concealed works, jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per the directions of Engineer in Charge.	M	60.00	763.71	Rupees Seven Hundred Sixty Three and Seventy One Paise Only	45822.75	Rupees Forty Five Thousand Eight Hundred Twenty Two and Seventy Five Paise Only
15	Providing and fixing 32 mm nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes concealed work, jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases 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 walls etc complete as per the directions of Engineer-in-charge.	M	100.00	922.99	Rupees Nine Hundred Twenty Two and Ninety Nine Paise Only	92299.20	Rupees Ninety Two Thousand Two Hundred Ninety Nine and Twenty Paise Only
16	Providing and fixing 50 mm nominal inner dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes concealed work, jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per the directions of Engineer in Charge.	M	50.00	2109.64	Rupees Two Thousand One Hundred Nine and Sixty Three Paise Only	105481.89	Rupees One Lakh Five Thousand Four Hundred Eighty One and Eighty Eight Paise Only
17	Supplying and fixing HDPE water tanks of SYNTEX or equivalent approved brands as per the directions of Engineer in Charge.	Litres	6000.00	8.00	Rupees Eight Only	48000.00	Rupees Forty Eight Thousand Only
18	Supplying and installation of moisture resistant/fire resistant 6 mm thick Heavy duty fiber cement board (High pressure steam cured) conforming to IS 14862:2000 of category III type B as per standard sizes fixed with self-drilling / tapping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick of 8 to 10 gauge of length varying from 25 to 45 mm as per the directions of Engineer-in-Charge.	M ²	80.00	996.24	Rupees Nine Hundred Ninety Six and Twenty Four Paise Only	79699.54	Rupees Seventy Nine Thousand Six Hundred Ninety Nine and Fifty Four Paise Only
19	Providing and fixing white vitreous china pedestal type water closet (European type) of Cera, Hindware or Equivalent (material cost not less than Rs. 4425.00/- each) with white solid plastic seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required as per the directions of Engineer-in-charge.	Each	9.00	9085.18	Rupees Nine Thousand Eighty Five and Eighteen Paise Only	81766.64	Rupees Eighty One Thousand Seven Hundred Sixty Six and Sixty Four Paise Only
20	Supply and Fixing Concealed Divertor of Brand Cera Model: F4010101, Hindware or equivalent, (material cost not less than Rs. 3615 each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	4355.74	Rupees Four Thousand Three Hundred Fifty Five and Seventy Four Paise Only	39201.66	Rupees Thirty Nine Thousand Two Hundred One and Sixty Six Paise Only
21	Supply and Fixing Shower Divertor Exposed Part of Brand Cera Model: F2008701, Hindware or equivalent, (material cost not less than Rs. 1660/- each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	2062.52	Rupees Two Thousand Sixty Two and Fifty Two Paise Only	18562.68	Rupees Eighteen Thousand Five Hundred Sixty Two and Sixty Eight Paise Only
22	Supply and Fixing Spout of Brand Cera Model: F1019661, Hindware or equivalent, (material cost not less than Rs. 1320/- each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	1663.70	Rupees One Thousand Six Hundred Sixty Three and Seventy Paise Only	14973.30	Rupees Fourteen Thousand Nine Hundred Seventy Three and Thirty Paise Only

23	Supply and Fixing Over Head Shower of Brand Cera Model: F7010113SS, Hindware or equivalent, (material cost not less than Rs. 2085/- each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	2561.05	Rupees Two Thousand Five Hundred Sixty One and Five Paise Only	23049.45	Rupees Twenty Three Thousand Forty Nine and Forty Five Paise Only
24	Supply and Fixing Over Head Shower Arm with wall flange of Brand Cera Model: F7040106 , Hindware or equivalent,(material cost not less than Rs. 1490/- each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	1863.11	Rupees One Thousand Eight Hundred Sixty Three and Eleven Paise Only	16767.99	Rupees Sixteen Thousand Seven Hundred Sixty Seven and Ninety Nine Paise Only
25	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	32.00	723.01	Rupees Seven Hundred Twenty Three Only	23136.30	Rupees Twenty Three Thousand One Hundred Thirty Six and Twenty Nine Paise Only
26	Supplying & Fixing Toilet fittings Health faucet of Brand Cera Model F8030105AB, Hindware or equivalent, (material cost not less than Rs.995/- each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	1282.48	Rupees One Thousand Two Hundred Eighty Two and Forty Eight Paise Only	11542.32	Rupees Eleven Thousand Five Hundred Forty Two and Thirty Two Paise Only
27	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour,weighing not less than 88 gms, including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	14.00	310.13	Rupees Three Hundred Ten and Thirteen Paise Only	4341.86	Rupees Four Thousand Three Hundred Forty One and Eighty Six Paise Only
28	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms. including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	14.00	177.35	Rupees One Hundred Seventy Seven and Thirty Five Paise Only	2482.97	Rupees Two Thousand Four Hundred Eighty Two and Ninety Six Paise Only
29	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36mm height of approved quality and colour, weighing not less than 300 gms including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	14.00	872.91	Rupees Eight Hundred Seventy Two and Ninety One Paise Only	12220.76	Rupees Twelve Thousand Two Hundred Twenty and Seventy Five Paise Only
30	Providing and fixing rectangular shape 1500x450mm mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	14.00	2427.99	Rupees Two Thousand Four Hundred Twenty Seven and Ninety Nine Paise Only	33991.90	Rupees Thirty Three Thousand Nine Hundred Ninety One and Ninety Paise Only
31	Supplying & Fixing Pillar cock of Brand Cera Model: F2014101, Hindware or equivalent, (material cost not less than Rs. 1090/- each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	14.00	1393.91	Rupees One Thousand Three Hundred Ninety Three and Ninety One Paise Only	19514.74	Rupees Nineteen Thousand Five Hundred Fourteen and Seventy Four Paise Only
32	Supplying & Fixing Wall hung Wash Basin without pedestal of Brand Cera, Model :S2040172 (CADIS), Hindware or equivalent, (material cost not less than Rs. 1490/- each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	14.00	1863.11	Rupees One Thousand Eight Hundred Sixty Three and Eleven Paise Only	26083.54	Rupees Twenty Six Thousand Eighty Three and Fifty Four Paise Only
33	Providing and fixing PTMT grating of approved quality and colour Rectangular type with openable circular lid 150 mm nominal size square 100 mm diameter of the inner hinged round grating including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	9.00	229.68	Rupees Two Hundred Twenty Nine and Sixty Seven Paise Only	2067.10	Rupees Two Thousand Sixty Seven and Nine Paise Only
34	Supply and Fixing of Modular Kitchen - including one drawer unit with 3 drawers, 3 nos tandem box, 1 oil pullout,1 spices pullout.- Units made with 16mm marine plywood with machine pressed lamination 1mm outside pattern as per client selection and 0.8mm white on inside with matching edge band,Accessories with soft close hinges,profile handle matching colour as per design including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge. Brand for accessories: Ebcoc/ Sleek/ Hettich, Plywood: WwoodPly HD, GreenPly , lamination: Virgo, Green or equivalent	M ²	10.00	21700.00	Rupees Twenty One Thousand Seven Hundred Only	217000.00	Rupees Two Lakh Seventeen Thousand Only
35	Providing and fixing factory made white colour Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension.(Area upto 0.75 sqm.) comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing, & direction of Engineer-in-Charge. Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made, as per the directions of Engineer-in-Charge.Make- Fenesta, Prominance, Vega, NCL,or equivalent (test report of CIPET to be produced).	M ²	1.00	9118.61	Rupees Nine Thousand One Hundred Eighteen and Sixty One Paise Only	9118.61	Rupees Nine Thousand One Hundred Eighteen and Sixty One Paise Only

36	Providing and fixing factory made uPVC white colour Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm) upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), GI fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made as per the directions of Engineer-in-charge. Make- Fenesta, Prominace, Vega, NCL, or equivalent (test report of CIPET to be produced).	M ²	79.00	9118.61	Rupees Nine Thousand One Hundred Eighteen and Sixty One Paise Only	720370.57	Rupees Seven Lakh Twenty Thousand Three Hundred Seventy and Fifty Six Paise Only
37	Providing and fixing glazing with float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm) in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge .	M ²	80.00	1761.86	Rupees One Thousand Seven Hundred Sixty One and Eighty Five Paise Only	140948.76	Rupees One Lakh Forty Thousand Nine Hundred Forty Eight and Seventy Five Paise Only
38	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge	M ²	11.00	6044.87	Rupees Six Thousand Forty Four and Eighty Seven Paise Only	66493.61	Rupees Sixty Six Thousand Four Hundred Ninety Three and Sixty One Paise Only
39	Providing curtain with polister and satine fabric cloth, fixed with powder coated Aluminium 'C' channel, clamp, hooks etc. complete as per the directions of Engineer-in-charge.	M ²	80.00	685.00	Rupees Six Hundred Eighty Five Only	54800.00	Rupees Fifty Four Thousand Eight Hundred Only
40	Supplying, Laying and jointing PVC pipe (class5) of 25 mm dia with ISI mark including all necessary fittings and specials for water supply line like door bends and tees, jointing, testing of joint cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary connecting the pipes to the tank, labour etc complete as per detailed specifications and directions of the Engineer-in-charge.	M	25.00	79.00	Rupees Seventy Nine Only	1975.00	Rupees One Thousand Nine Hundred Seventy Five Only
41	Supplying, Laying and jointing PVC pipe (class5) of 32 mm dia with ISI mark including all necessary fittings and specials for water supply line like door bends and tees, jointing, testing of joint cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary connecting the pipes to the tank, labour etc complete as per detailed specifications and directions of the Engineer-in-charge.	M	50.00	97.40	Rupees Ninety Seven and Forty Paise Only	4870.00	Rupees Four Thousand Eight Hundred Seventy Only
42	Supplying, Laying and jointing PVC pipe (class5) of 40mm dia with ISI mark including all necessary fittings and specials for water supply line like door bends and tees, jointing, testing of joint cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary connecting the pipes to the tank, labour etc complete as per detailed specifications and directions of the Engineer-in-charge.	M	50.00	122.10	Rupees One Hundred Twenty Two and Ten Paise Only	6105.00	Rupees Six Thousand One Hundred Five Only
43	Supplying and laying/fixing 63mm dia. PVC pipe (class2) buried /above ground for drainage disposal with all necessary fittings and specials like doorbends and tees, including cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary etc. complete as per detailed specifications and directions of the Engineer-in-charge.	M	50.00	172.50	Rupees One Hundred Seventy Two and Fifty Paise Only	8625.00	Rupees Eight Thousand Six Hundred Twenty Five Only
44	Supplying and laying/fixing 110mm dia. PVC pipe (class2) buried/ above ground for drainage disposal with all necessary fittings and specials like doorbends and tees, including cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary etc. complete as per detailed specifications and directions of the Engineer-in-charge.	M	100.00	338.80	Rupees Three Hundred Thirty Eight and Eighty Paise Only	33880.00	Rupees Thirty Three Thousand Eight Hundred Eighty Only
45	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	M	60.00	923.94	Rupees Nine Hundred Twenty Three and Ninety Four Paise Only	55436.60	Rupees Fifty Five Thousand Four Hundred Thirty Six and Sixty Paise Only
46	Providing and fixing to existing door frames 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	M ²	16.00	4709.14	Rupees Four Thousand Seven Hundred Nine and Fourteen Paise Only	75346.26	Rupees Seventy Five Thousand Three Hundred Forty Six and Twenty Six Paise Only

47	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	M ³	30.00	188.70	Rupees One Hundred Eighty Eight and Seventy Paise Only	5661.08	Rupees Five Thousand Six Hundred Sixty One and Eight Paise Only
48	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead as per direction of Engineer-in-charge.	M ³	13.00	1997.65	Rupees One Thousand Nine Hundred Ninety Seven and Sixty Five Paise Only	25969.49	Rupees Twenty Five Thousand Nine Hundred Sixty Nine and Forty Eight Paise Only
49	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 m lead.	M ²	780.00	53.00	Rupees Fifty Three Only	41342.00	Rupees Forty One Thousand Three Hundred Forty One and Ninety Nine Paise Only
50	Providing Seven Layer Water Proofing Coating with 15 GSM Fiber Glass Mesh over concrete roof after making the surface free from dirt, dust, algae, fungi & other contaminants by using suitable tools & equipment. 1. First Coating: Apply a single coat of modified styrene butadiene emulsion (Bonding Agent) 2. Second Coating: Fix fiber glass mesh above the first coating in wet condition 3. Third Coating: Apply one coat of single component acrylic based polymer for cement based waterproof composite coating membrane 4. Fourth Coating: Apply a single coat of primer for enhanced bonding. 5. Fifth & Sixth Coating: Apply two coats of High build fibre reinforced Acrylic based modified polyurethane-Elastomeric Solar Reflective cum water proofing coating by roller or brush on the primed surface 6. Seventh Coating: single coat of acrylic slip resistance surface coating, sealer and hardener (Transparent Water repellent coating) The rate for waterproofing work shall include chemicals, manpower, tools, scaffolding and supervision.	M ²	540.00	700.00	Rupees Seven Hundred Only	378000.00	Rupees Three Lakh Seventy Eight Thousand Only
51	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.)	M ²	190.00	632.77	Rupees Six Hundred Thirty Two and Seventy Six Paise Only	120226.11	Rupees One Lakh Twenty Thousand Two Hundred Twenty Six and Eleven Paise Only
52	Providing 12mm thick plastering on RCC surfaces with a floating coat of neat cement with cement mortar 1:4 (1cement : 4 sand) , trowelled hard including scaffolding, curing etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	780.00	446.10	Rupees Four Hundred Forty Six and Ten Paise Only	347961.81	Rupees Three Lakh Forty Seven Thousand Nine Hundred Sixty One and Eighty Paise Only
53	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	M ³	10.00	3589.77	Rupees Three Thousand Five Hundred Eighty Nine and Seventy Six Paise Only	35897.68	Rupees Thirty Five Thousand Eight Hundred Ninety Seven and Sixty Eight Paise Only
54	Taking out existing CC interlocking paver blocks including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 m lead as per direction of Engineer-in-Charge.	M ²	450.00	127.82	Rupees One Hundred Twenty Seven and Eighty One Paise Only	57517.97	Rupees Fifty Seven Thousand Five Hundred Seventeen and Ninety Seven Paise Only
55	Providing and laying factory made chamfered edge Cement Concrete paver blocks of 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern in footpath, parks, lawns, drive ways 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 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. complete all as per direction of Engineer-in-Charge.	M ²	450.00	1202.41	Rupees One Thousand Two Hundred Two and Forty One Paise Only	541084.79	Rupees Five Lakh Forty One Thousand Eighty Four and Seventy Eight Paise Only
56	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. including cost of materials and labour complete, as per the directions of Engineer-in-Charge.	M ²	4250.00	24.80	Rupees Twenty Four and Eighty Paise Only	105410.54	Rupees One Lakh Five Thousand Four Hundred Ten and Fifty Four Paise Only
57	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth including cost of material, labour etc. as per the directions of Engineer-in-Charge.	M ²	2450.00	156.49	Rupees One Hundred Fifty Six and Forty Nine Paise Only	383408.97	Rupees Three Lakh Eighty Three Thousand Four Hundred Eight and Ninety Six Paise Only
58	Applying one coat of water thinnable cement primer having VOC content less than 50 grams/litre of approved brand and manufacture on wall surface including cost of material, labour, scaffolding etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	2450.00	81.54	Rupees Eighty One and Fifty Four Paise Only	199778.88	Rupees One Lakh Ninety Nine Thousand Seven Hundred Seventy Eight and Eighty Eight Paise Only

59	Wall painting with 2 coats of premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including cost of material, labour, scaffolding etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	2450.00	154.79	Rupees One Hundred Fifty Four and Seventy Nine Paise Only	379246.91	Rupees Three Lakh Seventy Nine Thousand Two Hundred Forty Six and Ninety Paise Only
60	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. (Two or more coats applied @ 1.43 litre/10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. including scaffolding, topping of all holes and depressions, cleaning with sand paper etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	1600.00	198.69	Rupees One Hundred Ninety Eight and Sixty Nine Paise Only	317906.64	Rupees Three Lakh Seventeen Thousand Nine Hundred Six and Sixty Three Paise Only
61	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade of one or more coats on old work including cost of material, labour etc. complete as per the detailed specifications and directions of the Engineer-in-Charge.	M ²	190.00	108.66	Rupees One Hundred Eight and Sixty Five Paise Only	20644.50	Rupees Twenty Thousand Six Hundred Forty Four and Forty Nine Paise Only
62	Supply and fixing of Electric Chimney with oil collector of Brand Faber or equivalent including cost of material, labour etc. complete as per the directions of Engineer-in-Charge	Each	2.00	18000.00	Rupees Eighteen Thousand Only	36000.00	Rupees Thirty Six Thousand Only
63	Supply and fixing of Hob-4 burner of Brand Faber or equivalent, including cost of material, labour etc. complete as per the directions of Engineer-in-Charge	Each	2.00	15000.00	Rupees Fifteen Thousand Only	30000.00	Rupees Thirty Thousand Only
64	Supply and Fix Sink with drain board of Faber or equivalent, including cost of material, labour etc. complete as per the directions of Engineer-in-Charge	Each	2.00	10229.07	Rupees Ten Thousand Two Hundred Twenty Nine and Seven Paise Only	20458.14	Rupees Twenty Thousand Four Hundred Fifty Eight and Fourteen Paise Only
65	Supplying & fixing Sink Mix W/T Swinging Spout of approved Brand, including cost of material, labour etc. complete as per the directions of Engineer-in-Charge	Each	2.00	4622.56	Rupees Four Thousand Six Hundred Twenty Two and Fifty Six Paise Only	9245.12	Rupees Nine Thousand Two Hundred Forty Five and Twelve Paise Only
66	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per the directions of Engineer - in- charge.	M ³	1.00	3444.76	Rupees Three Thousand Four Hundred Forty Four and Seventy Five Paise Only	3444.76	Rupees Three Thousand Four Hundred Forty Four and Seventy Five Paise Only
67	Dismantling G.5 Sheet roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 m lead as per the directions of Engineer-in-charge.	M ²	34.00	165.67	Rupees One Hundred Sixty Five and Sixty Six Paise Only	5632.68	Rupees Five Thousand Six Hundred Thirty Two and Sixty Seven Paise Only
68	Providing and fixing roofing with oraliun or equivalent coloured Aluminium sheet 0.56mm thick including J bolts, L hooks, washers and self drilling screws where ever necessary including cost of material, labour, scaffolding etc. complete as per the directions of Engineer-in-Charge	M ²	34.00	753.80	Rupees Seven Hundred Fifty Three and Eighty Paise Only	25629.20	Rupees Twenty Five Thousand Six Hundred Twenty Nine and Twenty Paise Only
69	Providing and fixing pre-coated galvanised steel sheet roofing accessories :-Flashings/ Aprons (Upto 600 mm) 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm 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 including cost of material, labour, scaffolding etc. complete as per the directions of Engineer-in-Charge	M	6.00	500.94	Rupees Five Hundred and Ninety Four Paise Only	3005.65	Rupees Three Thousand Five and Sixty Five Paise Only
70	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-in-Charge.	M ²	50.00	695.83	Rupees Six Hundred Ninety Five and Eighty Two Paise Only	34791.42	Rupees Thirty Four Thousand Seven Hundred Ninety One and Forty Two Paise Only
71	Cleaning of reinforcement bars upto 12 mm diameter from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-in-Charge.	M	100.00	8.02	Rupees Eight and One Paise Only	801.83	Rupees Eight Hundred One and Eighty Three Paise Only
72	Providing, mixing and applying bonding coat of approved adhesive having coverage 2.20 sqm/kg of approved make on chipped portion of RCC as per specifications and direction of Engineer-in-charge complete in all respect.	M ²	50.00	527.99	Rupees Five Hundred Twenty Seven and Ninety Eight Paise Only	26399.35	Rupees Twenty Six Thousand Three Hundred Ninety Nine and Thirty Five Paise Only
73	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including clear angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. For fixed portion- Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	330.00	576.17	Rupees Five Hundred Seventy Six and Seventeen Paise Only	190136.10	Rupees One Lakh Ninety Thousand One Hundred Thirty Six and Ten Paise Only

74	Providing and fixing glazing with float glass panes of 4mm thickness in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.	M ²	35.00	1358.50	Rupees One Thousand Three Hundred Fifty Eight and Fifty Paise Only	47547.50	Rupees Forty Seven Thousand Five Hundred Forty Seven and Fifty Paise Only
75	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete on steel work.	M ²	110.00	257.88	Rupees Two Hundred Fifty Seven and Eighty Seven Paise Only	28366.56	Rupees Twenty Eight Thousand Three Hundred Sixty Six and Fifty Six Paise Only
76	Applying 100% acrylic emulsion weather resistance and algae resistant paint over the roof tile (material cost not less than Rs. 370 per litre) including all labour materials etc. including scaffolding (Two or more coat) of Apex Ultima Protek, Dulux or equivalent.	M ²	350.00	426.80	Rupees Four Hundred Twenty Six and Eighty Paise Only	149380.00	Rupees One Lakh Forty Nine Thousand Three Hundred Eighty Only
77	Clearing the area by stripping, levelling, sectioning, grabbing / uprooting of vegetation, grass, bushes, shrubs, saplings and trees of girth upto 30 cm measured at a height of 1m above ground level etc. by mechanical or other means including transporting and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared, as per the directions of Engineer-in-Charge.	M ²	300.00	17.06	Rupees Seventeen and Five Paise Only	5116.79	Rupees Five Thousand One Hundred Sixteen and Seventy Eight Paise Only
78	Supplying and stacking of fine laterite gravel (Red earth) at site including royalty and carriage upto 5 km complete etc. complete, as per detailed specifications and directions of the Engineer-in-Charge (earth measured in stacks will be reduced by 20% for payment)	M ³	10.00	1500.00	Rupees One Thousand Five Hundred Only	15000.00	Rupees Fifteen Thousand Only
79	Supplying coco peat at site as per the directions of the Engineer-in-Charge.	Kg	50.00	25.00	Rupees Twenty Five Only	1250.00	Rupees One Thousand Two Hundred Fifty Only
80	Supplying Stearameal at site as per the directions of the Engineer-in-Charge.	Kg	25.00	40.00	Rupees Forty Only	1000.00	Rupees One Thousand Only
81	Supplying Neam cake as per the directions of the Engineer-in-Charge.	Kg	50.00	40.00	Rupees Forty Only	2000.00	Rupees Two Thousand Only
82	Supplying and planting / fixing Mexican grass carpet free from diseases, fungus and weeds after spreading the mixed red earth and manure in the ratio mentioned in the specification, including watering, labour, cost of grass etc complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	300.00	361.00	Rupees Three Hundred Sixty One Only	108300.00	Rupees One Lakh Eight Thousand Three Hundred Only
83	Supplying and fixing 5 mm thick Multi wood (Green wood) (Material cost not less than 495/M2) for fixing WPC Panel including all labour and materials etc complete as per the directions of Engineer-in-Charge	M ²	100.00	1059.81	Rupees One Thousand Fifty Nine and Eighty One Paise Only	105981.00	Rupees One Lakh Five Thousand Nine Hundred Eighty One Only
84	Supplying and fixing WPC Panel (Material cost more less than Rs. 1378/m2) including all labour and materials etc complete as per the directions of Engineer-in-Charge.	M ³	100.00	2379.09	Rupees Two Thousand Three Hundred Seventy Nine and Nine Paise Only	237909.00	Rupees Two Lakh Thirty Seven Thousand Nine Hundred Nine Only
85	Providing and fixing 35 mm thick shutters of Second class teak wood panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws all complete as per direction of Engineer-in-charge.	M ²	2.50	4910.69	Rupees Four Thousand Nine Hundred Ten and Sixty Eight Paise Only	12276.72	Rupees Twelve Thousand Two Hundred Seventy Six and Seventy One Paise Only
TOTAL FOR PART A						10870436.10	
PART.B.RENOVATION OF GUEST HOUSE ANNEX							
1	Taking out doors, windows and clerestory window (Aluminium, steel or wood) including stacking within 50 m lead as per the directions of Engineer-in-Charge.	Nos	10.00	144.81	Rupees One Hundred Forty Four and Eighty Paise Only	1448.06	Rupees One Thousand Four Hundred Forty Eight and Five Paise Only
2	Dismantling tile works of thickness of tiles 10 mm to 25 mm in floors and roofs laid in cement mortar including stacking material within 50 m lead as per the directions of Engineer-in-Charge.	M ²	60.00	74.54	Rupees Seventy Four and Fifty Four Paise Only	4472.60	Rupees Four Thousand Four Hundred Seventy Two and Sixty Paise Only
3	Dismantling W.C. Pan / Wash basin of all sizes including disposal of dismantled materials including malba all complete as per the directions of Engineer-in-Charge.	Each	11.00	130.47	Rupees One Hundred Thirty and Forty Six Paise Only	1435.15	Rupees One Thousand Four Hundred Thirty Five and Fourteen Paise Only
4	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 m lead as per the directions of Engineer-in-Charge.	M ²	250.00	53.00	Rupees Fifty Three Only	13250.64	Rupees Thirteen Thousand Two Hundred Fifty and Sixty Four Paise Only

5	Providing and laying vitrified Floor/ wall tiles (Material cost not less than Rs. 2155/M2) of size 100cm x 100cm or 80cm x 160cm or 60cm x 120cm or suitable nearest size available in the market and of minimum thickness 9mm or suitable nearest size available in the market (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 @ 3.3 kg/ sqm including filling the joints with epoxy of matching colour etc., complete as per the directions of Engineer-in-Charge	M ²	90.00	3396.58	Rupees Three Thousand Three Hundred Ninety Six and Fifty Eight Paise Only	305692.26	Rupees Three Lakh Five Thousand Six Hundred Ninety Two and Twenty Six Paise Only
6	Grouting the joints of flooring tiles 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 the direction of Engineer-in-charge.	M ²	90.00	186.66	Rupees One Hundred Eighty Six and Sixty Six Paise Only	16799.77	Rupees Sixteen Thousand Seven Hundred Ninety Nine and Seventy Seven Paise Only
7	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete as per the directions of Engineer-in-charge .	M ²	150.00	500.13	Rupees Five Hundred and Twelve Paise Only	75019.01	Rupees Seventy Five Thousand Nineteen Only
8	Providing and fixing 20mm nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes, concealed work, jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	M	20.00	649.82	Rupees Six Hundred Forty Nine and Eighty Two Paise Only	12996.50	Rupees Twelve Thousand Nine Hundred Ninety Six and Forty Nine Paise Only
9	Providing and fixing 25 mm Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes concealed work, jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	M	50.00	763.71	Rupees Seven Hundred Sixty Three and Seventy One Paise Only	38185.63	Rupees Thirty Eight Thousand One Hundred Eighty Five and Sixty Two Paise Only
10	Providing and fixing 32 mm nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes concealed work, jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	M	50.00	922.99	Rupees Nine Hundred Twenty Two and Ninety Nine Paise Only	46149.60	Rupees Forty Six Thousand One Hundred Forty Nine and Sixty Paise Only
11	Providing and placing polyethylene water storage tank on terrace (at all floor levels), IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank, as per the directions of Engineer-in-Charge.	Liters	2000.00	11.96	Rupees Eleven and Ninety Five Paise Only	23919.10	Rupees Twenty Three Thousand Nine Hundred Nineteen and Ten Paise Only
12	Providing and fixing white vitreous china pedestal type water closet (European type) of Cera, Hindware or Equivalent (material cost not less than Rs. 4425/- each) with white solid plastic seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required as per the directions of Engineer-in-charge.	Each	5.00	9085.18	Rupees Nine Thousand Eighty Five and Eighteen Paise Only	45425.91	Rupees Forty Five Thousand Four Hundred Twenty Five and Ninety One Paise Only
13	Supply and Fixing Concealed Divertor of Brand Cera Model: F4010101, Hindware or equivalent, (material cost not less than Rs. 3615 each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	4355.74	Rupees Four Thousand Three Hundred Fifty Five and Seventy Four Paise Only	21778.70	Rupees Twenty One Thousand Seven Hundred Seventy Eight and Seventy Paise Only
14	Supply and Fixing Shower Divertor Exposed Part of Brand Cera Model: F2008701, Hindware or equivalent, (material cost not less than Rs. 1660/- each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	2062.52	Rupees Two Thousand Sixty Two and Fifty Two Paise Only	10312.60	Rupees Ten Thousand Three Hundred Twelve and Sixty Paise Only
15	Supply and Fixing Spout of Brand Cera Model: F1019661, Hindware or equivalent, (material cost not less than Rs. 1320/- each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	1663.70	Rupees One Thousand Six Hundred Sixty Three and Seventy Paise Only	8318.50	Rupees Eight Thousand Three Hundred Eighteen and Fifty Paise Only
16	Supply and Fixing Over Head Shower of Brand Cera Model: F7010111SS, Hindware or equivalent, (material cost not less than Rs. 2085/- each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	2561.05	Rupees Two Thousand Five Hundred Sixty One and Five Paise Only	12805.25	Rupees Twelve Thousand Eight Hundred Five and Twenty Five Paise Only
17	Supply and Fixing Over Head Shower Arm with wall flange of Brand Cera Model: F7040106 , Hindware or equivalent, (material cost not less than Rs. 1490/- each) including cost of materials, labour, etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	1863.11	Rupees One Thousand Eight Hundred Sixty Three and Eleven Paise Only	9315.55	Rupees Nine Thousand Three Hundred Fifteen and Fifty Five Paise Only

18	Providing and fixing 15mm nominal bore C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	15.00	723.01	Rupees Seven Hundred Twenty Three Only	10845.14	Rupees Ten Thousand Eight Hundred Forty Five and Thirteen Paise Only
19	Supplying & Fixing Toilet fittings Health faucet of Brand Cera Model F8030105AB, Hindware or equivalent, (material cost not less than Rs.995/- each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	1282.48	Rupees One Thousand Two Hundred Eighty Two and Forty Eight Paise Only	6412.40	Rupees Six Thousand Four Hundred Twelve and Forty Paise Only
20	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms, including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	310.13	Rupees Three Hundred Ten and Thirteen Paise Only	1550.66	Rupees One Thousand Five Hundred Fifty and Sixty Six Paise Only
21	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms. including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	6.00	177.35	Rupees One Hundred Seventy Seven and Thirty Five Paise Only	1064.13	Rupees One Thousand Sixty Four and Twelve Paise Only
22	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36mm height of approved quality and colour, weighing not less than 300 gms including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	872.91	Rupees Eight Hundred Seventy Two and Ninety One Paise Only	4364.56	Rupees Four Thousand Three Hundred Sixty Four and Fifty Five Paise Only
23	Providing and fixing rectangular shape 1500x450mm mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	5.00	2427.99	Rupees Two Thousand Four Hundred Twenty Seven and Ninety Nine Paise Only	12139.96	Rupees Twelve Thousand One Hundred Thirty Nine and Ninety Six Paise Only
24	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete as per the directions of Engineer-in-Charge.	Each	4.00	1743.72	Rupees One Thousand Seven Hundred Forty Three and Seventy One Paise Only	6974.87	Rupees Six Thousand Nine Hundred Seventy Four and Eighty Six Paise Only
25	Providing and fixing White Vitreous China Flat back wash basin size 550x 400 mm with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required etc. complete. as per the directions of Engineer-in-Charge	Each	5.00	3411.80	Rupees Three Thousand Four Hundred Eleven and Eighty Paise Only	17059.01	Rupees Seventeen Thousand Fifty Nine Only
26	Providing and fixing PTMT Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms for wash basin and sink, of approved quality and colour, as per the directions of Engineer-in-Charge.	Each	5.00	161.05	Rupees One Hundred Sixty One and Four Paise Only	805.23	Rupees Eight Hundred Five and Twenty Three Paise Only
27	Providing and fixing PTMT Rectangular type with openable circular lid 150 mm nominal size square 100 mmdiameter of the inner hinged round grating of approved quality and colour as per the directions of Engineer-in-Charge.	Each	5.00	229.68	Rupees Two Hundred Twenty Nine and Sixty Seven Paise Only	1148.39	Rupees One Thousand One Hundred Forty Eight and Thirty Eight Paise Only
28	Supplying, Laying and jointing PVC pipe (class5) of 40mm dia with ISI mark including all necessary fittings and specials for water supply line like door bends and tees, jointing, testing of joint cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary connecting the pipes to the tank, labour etc complete as per detailed specifications and directions of the Engineer-in-charge.	M	50.00	122.10	Rupees One Hundred Twenty Two and Ten Paise Only	6105.00	Rupees Six Thousand One Hundred Five Only
29	Supplying and laying/fixing 63mm dia. PVC pipe (class2) buried /above ground for drainage disposal with all necessary fittings and specials like doorbends and tees, including cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary etc. complete as per detailed specifications and directions of the Engineer-in-charge.	M	50.00	172.50	Rupees One Hundred Seventy Two and Fifty Paise Only	8625.00	Rupees Eight Thousand Six Hundred Twenty Five Only
30	Supplying and laying/fixing 110mm dia. PVC pipe (class2) buried/ above ground for drainage disposal with all necessary fittings and specials like doorbends and tees, including cutting masonry or concrete, floorslabs etc. and making good the same wherever necessary etc. complete as per detailed specifications and directions of the Engineer-in-charge.	M	70.00	338.80	Rupees Three Hundred Thirty Eight and Eighty Paise Only	23716.00	Rupees Twenty Three Thousand Seven Hundred Sixteen Only
31	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink with drain board 510x1040 mm bowl depth 250 mm as per ISI3983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required, as per the directions of Engineer-in-Charge.	Each	2.00	7007.14	Rupees Seven Thousand Seven and Fourteen Paise Only	14014.28	Rupees Fourteen Thousand Fourteen and Twenty Eight Paise Only
32	Supplying & fixing Sink Cock of brand Cera Model F1015251, Hindware or equivalent (Material cost not less than Rs. 1650/each) including cost of materials, labour,etc. complete as per the directions of the Engineer-in-Charge.	Each	2.00	2050.79	Rupees Two Thousand Fifty and Seventy Nine Paise Only	4101.58	Rupees Four Thousand One Hundred One and Fifty Eight Paise Only
33	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 m lead as per direction of Engineer -in- charge.	M ³	1.00	3444.76	Rupees Three Thousand Four Hundred Forty Four and Seventy Five Paise Only	3444.76	Rupees Three Thousand Four Hundred Forty Four and Seventy Five Paise Only
34	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	M2	50.00	695.83	Rupees Six Hundred Ninety Five and Eighty Two Paise Only	34791.42	Rupees Thirty Four Thousand Seven Hundred Ninety One and Forty Two Paise Only

35	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 m lead as per direction of Engineer-in-charge.	M ³	5.00	1997.65	Rupees One Thousand Nine Hundred Ninety Seven and Sixty Five Paise Only	9988.26	Rupees Nine Thousand Nine Hundred Eighty Eight and Twenty Six Paise Only
36	Providing and fixing up to floor five level precast cement concrete solid block 1:1½:3 (1 Cement: 1½ coarse sand:(zone-III) : 3 graded stone aggregate 20 mm nominal size)., including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete as per the directions of Engineer-in-Charge.	M3	3.50	19354.16	Rupees Nineteen Thousand Three Hundred Fifty Four and Fifteen Paise Only	67739.55	Rupees Sixty Seven Thousand Seven Hundred Thirty Nine and Fifty Four Paise Only
37	Plastering with cement mortar 1:4, 12 mm thick on masonry surfaces, trowelled hard including scaffolding, curing etc. complete as per detailed specifications and directions of the Engineer-in-Charge. 12 mm cement plastering of cement mortar 1:4 (1 cement: 4 coarse sand)	M2	60.00	375.30	Rupees Three Hundred Seventy Five and Twenty Nine Paise Only	22517.93	Rupees Twenty Two Thousand Five Hundred Seventeen and Ninety Three Paise Only
38	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade of one or more coats on old work including cost of material, labour etc. complete as per the detailed specifications and directions of the Engineer-in-Charge.	M ²	140.00	108.66	Rupees One Hundred Eight and Sixty Five Paise Only	15211.73	Rupees Fifteen Thousand Two Hundred Eleven and Seventy Three Paise Only
39	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. including cost of materials and labour complete, as per the directions of Engineer-in-Charge.	M ²	1210.00	24.80	Rupees Twenty Four and Eighty Paise Only	30011.00	Rupees Thirty Thousand Eleven Only
40	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth including cost of material, labour etc. as per the directions of Engineer-in-Charge.	M ²	660.00	156.49	Rupees One Hundred Fifty Six and Forty Nine Paise Only	103285.68	Rupees One Lakh Three Thousand Two Hundred Eighty Five and Sixty Eight Paise Only
41	Applying one coat of water thinnable cement primer having VOC content less than 50 grams/litre of approved brand and manufacture on wall surface including cost of material, labour, scaffolding etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	730.00	81.54	Rupees Eighty One and Fifty Four Paise Only	59525.95	Rupees Fifty Nine Thousand Five Hundred Twenty Five and Ninety Five Paise Only
42	Wall painting with 2 coats of premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including cost of material, labour, scaffolding etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	730.00	154.79	Rupees One Hundred Fifty Four and Seventy Nine Paise Only	113000.10	Rupees One Lakh Thirteen Thousand and Nine Paise Only
43	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. (Two or more coats applied @ 1.43 litre/10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. including scaffolding, topping of all holes and depressions, cleaning with sand paper etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M ²	460.00	198.69	Rupees One Hundred Ninety Eight and Sixty Nine Paise Only	91398.16	Rupees Ninety One Thousand Three Hundred Ninety Eight and Fifteen Paise Only
44	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.		210.00	564.88	Rupees Five Hundred Sixty Four and Eighty Eight Paise Only	118625.84	Rupees One Lakh Eighteen Thousand Six Hundred Twenty Five and Eighty Four Paise Only
45	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.)	M2	30.00	632.77	Rupees Six Hundred Thirty Two and Seventy Six Paise Only	18983.07	Rupees Eighteen Thousand Nine Hundred Eighty Three and Seven Paise Only
46	Providing 12mm thick plastering on RCC surfaces with a floating coat of neat cement with cement mortar 1:4 (1cement : 4 sand) , trowelled hard including scaffolding, curing etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	M2	210.00	446.10	Rupees Four Hundred Forty Six and Ten Paise Only	93682.02	Rupees Ninety Three Thousand Six Hundred Eighty Two and Two Paise Only
47	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	M	30.00	923.94	Rupees Nine Hundred Twenty Three and Ninety Four Paise Only	27718.30	Rupees Twenty Seven Thousand Seven Hundred Eighteen and Thirty Paise Only

48	Providing and fixing to existing door frames 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	M ²	9.00	4709.14	Rupees Four Thousand Seven Hundred Nine and Fourteen Paise Only	42382.27	Rupees Forty Two Thousand Three Hundred Eighty Two and Twenty Seven Paise Only
49	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	M ²	50.00	695.83	Rupees Six Hundred Ninety Five and Eighty Two Paise Only	34791.42	Rupees Thirty Four Thousand Seven Hundred Ninety One and Forty Two Paise Only
50	Providing curtain with polister and satine fabric cloth, fixed with powder coated Aluminium 'C' channel, clamp, hooks etc. complete as per the directions of Engineer-in-charge.	M ²	30.00	685.00	Rupees Six Hundred Eighty Five Only	20550.00	Rupees Twenty Thousand Five Hundred Fifty Only
51	Providing and fixing flush doors with decorative veneering with ISI marked flush door shutters conforming to IS: 2202 (Part I) as per the directions of Engineer-in-charge.	M ²	120.00	600.02	Rupees Six Hundred and One Paise Only	72001.94	Rupees Seventy Two Thousand One and Ninety Three Paise Only
52	Renewing glass panes and refixing existing wooden fillets: Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm) as per the directions of Engineer-in-Charge.	M ²	3.00	1345.25	Rupees One Thousand Three Hundred Forty Five and Twenty Four Paise Only	4035.74	Rupees Four Thousand Thirty Five and Seventy Three Paise Only
53	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared, as per the directions of Engineer-in-Charge	M ²	160.00	17.06	Rupees Seventeen and Five Paise Only	2728.95	Rupees Two Thousand Seven Hundred Twenty Eight and Ninety Five Paise Only
54	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in- charge. (Old CC paver blocks shall be supplied by the department free of cost).	M ²	160.00	440.60	Rupees Four Hundred Forty and Sixty Paise Only	70496.12	Rupees Seventy Thousand Four Hundred Ninety Six and Twelve Paise Only
TOTAL FOR PART-B						1,823,161.29	Rupees Eighteen Lakh Twenty Three Thousand One Hundred Sixty One and Twenty Nine Paise Only
GRAND TOTAL						12,693,597.40	Rupees One Crore Twenty Six Lakh Ninety Three Thousand Five Hundred Ninety Seven and Thirty Nine Paise Only
BIDDER'S QUOTING AREA							
Sl. No.	Description of Work	Departmental Estimated Cost (Rs)	Percentage Quoted above/ below the Departmental Amount by the Bidder		Above/Below		
			* In Figures	*In Words			
	Percentage Quoted above / below the Departmental Amount shown in the above Schedule						
* Note							
1. The Bidder shall quote both in figures and words							
2. The Bidders shall also quote Above / Below in words themselves in the last column							
3. Only two decimal digits will be accepted.							