

TENDER

FOR

RENOVATION OF ESI HOSPITAL AT PEROORKADA

**PART-III
PRICE BID**

**TENDER NO. HLL/ID /13/05
JANUARY 2013**

HLL LIFECARE LIMITED

INFRASTRUCTURE DEVELOPMENT DIVISION

CONTENTS

S.NO	ITEM	PAGE NO.
1.	Commercial Conditions	2-4
2.	Special Conditions	5
3.	Schedule	6-69

1 COMMERCIAL CONDITIONS

1.0.1 The tendered rate shall inter alia be deemed to include for the provision of all materials, process, operation and special requirements detailed in the particular specification irrespective of whether these are mentioned in the description of equipment schedule and Bill of quantities or not. It is an express condition of the contract that the tendered rates for various items in the Bill of Quantities shall be deemed to include for the full, entire and final condition of the contractor respective items of the works in accordance with the provision of the contract.

1.0.2 The tendered rate shall include for all taxes, duties, etc. as applicable and shall be quoted on the works contract basis for Renovation of ESI Hospital, Peroorkada, Thiruvananthapuram.

1.0.3 The tendered rate shall remain firm and free from variation due to rise in the cost of materials/equipment, labour or any other reasons whatsoever during the contract period and valid extension on the case may be.

1.0.4 The quantum of excise duty included in the tendered price, the rate at which they were assumed etc. shall be indicated in the tender.

1.1 UNIT RATES

1.11 Only approved work will be measured on completion and priced as per rates quoted against the respective items.

1.2 BRIEF DESCRIPTION OF PRICING

1.2.1. Unforeseen difficulties for which provision has not been made in the tender will in no way relieve the successful tenderer from the full execution of the work.

1.2.2 The price quoted shall be the final amount for this finished work.

1.3 INCOME TAX

Any payment to the contractor as per contract, will be made after deducting income tax as per the rules and regulations.

1.4 SALES TAX AND EXCISE DUTY

The tenderer shall clearly indicate sales tax, service tax, Excise and other duties as applicable in his offer for carrying out this work.

1.6. SUBMISSION OF BILL

1.6.1. The contractor shall from time to time prepare and submit interim bills of the work executed and on completion of the contract, he shall prepare and submit the final bill. The measurements sheets in support of the interim and final bills shall be prepared by the contractor on the basis of measurements taken by him jointly with the project engineer and the said measurement sheets shall be submitted by him with the relevant bill.

1.6.2. Within the above frame work of the terms of payment the contract's interim bills will have to be of a minimum value of Rs.14 lakhs only.

1.7. EXTRA ITEMS

The contractor is bound to carry out any items of work necessary for the completion of the job even though such items may not have been included in the schedule of probable quantities or rates, such items being necessary or essential for completing the job. Variation order in respect of such additional items and their quantities will be issued in writing by the employer.

1.7.1 All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of work and on completion including that of the sub-contractors and special tradesman and all materials condemned by the project engineer shall be cleared and removed from the site by the contractor without any extra charge.

1.7.2 All measuring steel taps, scaffolding, ladders instruments and tools that may be required for taking measurements shall be supplied by the contractor.

1.8. OVER TIME WORK

If the contractor is required to work night or on holidays in order to maintain the time schedule he shall take prior approval from the Engineer-in-charge. He should also

provide and maintain at his own cost sufficient lights as may be necessary to enable the work to proceed satisfactorily during the night.

- 1.8.1. The contractor shall give full facilities to all other contractors working on site. He shall also arrange his programme of work so as not hinder the progress of other trades. The decision of the Engineer-in-charge on any point of dispute between the various parties shall be final and binding.
- 1.8.2. It is specifically pointed out that the contractor shall not be entitled to any compensation whatsoever on account of delay in procurement or supply of controlled materials and the rates quoted in the contract are fixed till the completion of the contract.
- 1.8.3. The contractor shall co-operate with other agencies appointed by the owners for the work to proceed smoothly with the least possible delay and to the satisfaction of the owners, architects and the consultants.
- 1.8.4. The owners shall provide a source for power supply at one convenient point at site. The contractor shall at his own cost install a separate meter at the said source and lay additional cables from the said source also at his own cost. For the electricity consumed by the contractor he shall pay the owner the actual cost at the rate charged by the local authority for power for constructional purposes. The contractor shall also obtain the necessary permit for utilizing power for constructional purposes.

2. SPECIAL CONDITIONS

2.1. EXECUTION WORK

- 2.1.1. The whole of the work as described in the contract (including bills of materials, specification and all drawings pertaining thereto) and as advised by the Engineer-in-charge from time is to be carried out and completed in all parts to the entire satisfaction of the Employer. Any minor details of construction which are obviously and fairly intended, or which may not have been definitely referred to in this contract, but which are usual construction practice and essential to the work, shall be included in this contract.

2.2. CERTIFICATE OF COMPLETION

- 2.2.1 The contractor shall intimate to the Engineer-in-charge in writing as and when the works are completed and put into beneficial use in order to enable the consultants to check certify to the owners to take over the plants.
- 2.2.2 The work shall not be considered as completed and put into beneficial use until the consultants have certified in writing that the same has been completed and put into beneficial use.
- 2.2.3 The defects liability period of one year shall commence from date of such completion or any specific date mentioned therein.

BILL OF QUANTITIES

ABSTRACT

SEC.	DESCRIPTION OF ITEM	AMOUNT (Rs.)
PART I	RENOVATION OF HOSPITAL BUILDING	
A	CIVIL WORKS	
B	AIR CONDITIONING WORKS	
PART II	RENOVATION OF RMO QUARTERS AND BACHELORS NURSING HOSTEL	
A.	CIVIL WORK	
B.	ELECTRICAL WORKS	
PART III	COMPOUND WALL AND PARKING AREA	
	GRAND TOTAL	Rs.

RENOVATION OF ESI HOSPITAL AT PEROORKADA

PART I : RENOVATION OF HOSPITAL BUILDING

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
	PART- A - CIVIL WORKS				
	SCHEDULE ITEMS				
1	Demolishing brick work Manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres as per the direction of Engineerin -charge.In cement mortar	18.00	cum		
2	Demolishing RCC work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50metres lead as per direction og Engineers in charge	2.00	cum		
3	Demolshing cement concrete manually / by mechanical meansincluding disposal of material within 50 metres lead as per direction of Engineer in charge. 1:4:8 or leaner mix	2.00	cum		
4	Demolishing brick tile covering in terracing including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead	955.00	Sqm		
5	Dismantling tile work in floors and roofs laid in cement mortar including stacking of serviceable material within 50 metres lead.For thickness of tiles 10mm to 25 mm	910.00	Sqm		
6	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping round within 50 metres lead	590.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
7	Dismantling old mosaic floors and dados raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping round within 50 metres lead	3070.00	Sqm		
8	Dismantling doors, windows and celestory windows (steel or wood) shutter including chowkhats, architrave, hold fast etc complete and stacking within 50 meters. Of area 3 sq meters and below	10.00	Each		
9	Dismantling of flushing cistern of any size including stacking of usefull materials with in 50meters lead	20.00	Each		
10	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestose sheet	11.00	Sqm		
11	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, with in a lead of 50 m. All kinds of soil	21.00	Cum		
12	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :	100.00	Metre		
	All kinds of soil				
	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
13	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth :consolidating each deposited layer by ramming and watering,lead up to 50 m and lift upto 1.5m	26.00	Cum		
14	Supplying and filling in plinth with river sand/quarry dust under floors including, watering consolidating and dressing complete. River sand	2.00	Cum		
15	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level.1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	16.00	Cum		
16	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	5.00	Cum		
17	Cement concrete 1: 1: 2 using 10mm nominal size broken stone . For water proofing treatment on roof top	25.00	Cum		
18	Random Rubble Masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12(1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with Cement mortar 1: 6(1 cement : 6 coarse sand).	21.00	Cum		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
19	Brick work with bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:4 (1 cement: 4 coarse sand)	40.00	Cum		
20	Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level in cm 1:4 (1 cement: 4 coarse sand).	140.00	Sqm		
21	Extra for providing and placing in position 2 nos 6mm dia MS bars at every third course of half brick masonry	140.00	Sqm		
22	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor V level including cost of centering, shuttering, finishing and excluding the cost of reinforcement in 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) For lintel and rack slab (Grade of cement 53)	12.00	Cum		
23	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers. For Lintel and slab	140.00	Sqm		
24	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars(Make:- Vizag, Sail, Tata)	1200.00	Kg		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
25	12mm cement plaster of mix: 1:4 (1 cement : 4 fine sand) (43 grade cement)	300.00	Sqm		
26	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement :4 Fine sand) (43 grade cement)	700.00	Sqm		
27	Cement Plaster in two coats – 18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1 : 6 (1 cement : 6 fine sand) for outer walls (43 grade cement)	270.00	Sqm		
28	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand) (43 grade cement)	95.00	Sqm		
29	Plastering with cement mortar 1:3 (1cement, 3 fine sand) including neat flushing coat and providing and mixing water proofing materials in cement plaster work in proportion recommended by the manufactures. For water proofing treatment on roof top	500.00	sqm		
30	Applying one coat of water thinnable cement primer of approved brand and manufacturer on wall surface : Water thinnable Cement primer.	850.00	Sqm		
31	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers:-	226.00	per bag of 50kg cement used in the mix		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
32	Providing and laying anti skid ceramic floor tiles of approved make like JOHNSON, KAJARIA, or equivalent of 300mmx300mm size for toilets,kitchen area (7.5mm thickness or nearest size) of 1st quality conforming to IS 15622 of approved make in all colours, shades, except white, ivory, grey, fume red brown laid on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigments etc complete.	690.00	Sqm		
33	Providing and laying polished vitrified floor tiles of size 60 x 60cm of thickness 10mm of M/s. Johnson or equivalent (Marbonite), Somany, Kajaria or equivalent in light colours and shades,with water absorption's less than 0.08% and conforming to IS:15622 ,laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with cement and matching pigments etc, complete as directed by the Engineer-in-charge.	260.00	Sqm		
34	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with 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.	200.00	Sqm		
	Granite of any colour and shade Area of slab over 0.50 sqm				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
35	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.40mm thick with 20mm nominal size stone aggregate.	50.00	Sqm		
36	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position : Second class teak wood	0.50	Cum		
37	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws including, panelling etc as per the drawings and as directed by the Engineer-in-charge with Second class teak wood 35 mm thick shutters	16.00	Sqm		
38	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part I) ,decorative type core of block board construction with frame of first class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25mmthick (for cup board)including ISI marked nickel plated bright finished M.S Piano hinges with necessary screws.	20.00	Sqm		
39	Providing and fixing 25mm thick ISI marked shutter non-decorative type,core of block board construction with frames of first class hard wood and well matched commercial 3ply veneering with vertical grains or cross band face veneers on both faces to wooden frames with necessary screws etc complete .	30.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
40	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured)	16.00	Sqm		
41	Providing and fixing aluminium work for doors, windows ventilators and partitions with extruded builtup standard tubular and other sections of approved make conforming to IS 733 and IS 1285, fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gape at junctions at top bottom and sides with required EDPM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free ,straight mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing and panelling to be paid for separately.)Powder coated aluminium (minimum thickness of powder coating 50micron)				
a	Fixed portion	380	Kg		
b	For shutters of doors, windows and ventilators including providing and fixing hinges /pivots and making provision for fixing of fittings wherever required including the cost of EDPM/ neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50micron)	170	Kg		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
42	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS: 6315 MARKED ,hardwyn make (model 3000) or equivalent for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M S sheet outer box with slide plate etc. complete as per the direction of Engineer in charge	5	Each		
	WITH STAINLESS STEEL COVER PLATE 1.25mm thickness				
43	Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture in panelling fixed in Aluminium doors, windows shutters and partition frames with C.P brass / stainless steel screws etc. complete as per architectural drawings and direction of Engineer-in-charge :- Pre-laminated particle board with decorative lamination on both sides.	40	Sqm		
44	Providing and fixing glazing in aluminium doors windows, ventilator shutters and partitions etc. with P.V.C/ neoprene gasket etc. complete. As per the Architectural drawings and the directions of Engineer-in- charge. (Cost of aluminium snap beading shall be paid in basic item.) . With glass panes of 5.5 mm thickness (weight not less than 13.75 Kg/ Square metre .	150	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
45	Providing and fixing Aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS: 3564, embossed on the body, door weight upto 35kg to 80kg and door width from 701mm to 1000mm) with double speed adjustment with necessary accessories and screws etc. complete.	10	Each		
46	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	30	Each		
47	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete-				
a	300x16	50	Each		
48	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a	250x10 mm	100	Each		
b	100x10 mm	200	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
49	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a	125 mm	40	Each		
b	100mm	50	Each		
c	75mm	50	Each		
50	Providing and fixing factory made PVC door frame made of PVC extruded section having over all dimensions of 48x40mm (tolerance +1mm) with wall thickness 2.0mm+0.2mm, corners of the door frame to be mitred and joined by means of plastic/MS galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized MS tube of size 19x19mm and 1mm+0.1mm wall thickness and 3nos stainless steel hinges fixed to the frame complete charge. (Sintex, Plasopan duroplast, or Rajasree) 48x40x2.0mm thick PVC door frame	135	Metre		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
51	Providing and fixing to existing door frames 24mm thick factory made PVC door shutters made of styles and rails of UPVC hollow section of size 59x24mm and wall thickness 2mm+0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 20x20mm and 1mm +0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24mm and 2mm+0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with a UPVC multi chambered single panel of size not less than 620mm, having over all thickness of 20mm and 1mm +0.1mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete. (Plasopan or Sintex, duroplast, Rajasree). 24mm thick shutter	46	Sqm		
52	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc complete. Hot finished welded type tubes:	2300	Kg		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
53	Supply & installation of precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.5mm +/- 5% total coated thickness (TCT) thick Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5 x 55 mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I limpet washers or with G.I limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	110	Sqm		
54	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick flat	53	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
55	Supplying and fixing rolling shutters of approved make, made of required size. M.S Laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454-Part 1 and MS top cover of required thickness for rolling shutters.- 80x1.25mm M.S Laths with 1.25mm thick top cover	13	Sqm		
56	Providing and fixing ball bearing for rolling shutters	2	Each		
57	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area	13	Sqm		
58	Providing and fixing in position collapsible steel shutters for transformer room with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia, steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	25.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
59	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc all complete. Fixed to opening / wooden frames with rawl plugs screws etc.	220.00	Kg		
60	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanised @ 120 gsm/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25mm made of 0.3mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.3mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 600x600mm and wall angle of size 24x24x0.3mm and laying false ceiling tiles of approved texture in the grid including, wherever, required, cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27x37x25x1.6mm	630.00	Sqm		

	fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85x30x0.8mm spaced at 1200mm center to center along main T, bottom exposed width of 24mm of all T-sections shall be pre-painted with polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer - in - charge				
	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595mm, and 0.5mm thick with 8mm drop; made of GI sheet having galavanizing of 100 gms/sqm(both sides inclusive) and electro statically polyester powder coated of thickness 60microns (minimum), including factory painted after bending				
61	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment) weight not less than 2.07kg/sqm	55.00	Kg		
62	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. complete.	13620.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
63	Wall painting with acrylic emulsion paint of Approved brand and manufacture to give an even shade .Two or more coat on new work	9410.00	Sqm		
64	Finishing walls with textured exterior paint (weather proof)of required shade: New work (Two or more coats applied @ 3.28ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10sqm.	5580.00	Sqm		
65	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. For external wall	100.00	Sqm		
66	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	1320.00	Sqm		
67	Renewing glass panes, with wooden fillets, wherever necessary. Glass pannes of thickness 4mm	40.00	Sqm		
68	Providing and fixing water closet squatting pan (Indian type WC pan) with 100 mm sand cast iron P or S trap, 10 litres low level P.V.C flushing cistern manually controlled device (handle lever) conforming to IS: 7231, Parrywarw/Hindware/ Seabird/ Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :-	20.00	each		
	White Vitreous china Orissa pattern WC pan of size 580 x 440 mm with integral type foot rests .				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
69	Providing and fixing white vitreous china pedestal type water closet (European type W.C.pan) with seat and lid, 10 litre low level P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, Parryware / Hindware/ Seabrid / Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :-White Vitreous china Orissa pattern WC pan of size 580 x 440 mm with integral type foot rests .	16.00	each		
70	Providing and fixing wash basin with C.I./M.S brackets painted white ,15 mm C.P brass pillar taps, Kingston / Gem / Techno / Parko, 32 mm C.P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required :- Wash basin size 550x400mm with single 15mm C.P.brass pillar tap	35.00	each		
71	Providing and fixing wash basin with C.I./M.S. brackets,15mm C.P. brass pillar taps, Kingston / Gem / Techno / Parko, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated lever ISI marked.	3.00	each		
72	Providing and fixing 600 x 450 mm bevelled 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 .	10.00	each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make (Prayag or equivalent).600 mm long towel rail with total length of 645 mm, width 78mm and effective height of 88mm, weighing not less than 190 gms	20.00	Each		
74	Providing and fixing P.V.C waste pipe for sink or wash basin, including P.V.C waste fittings complete :-				
	Flexible pipe :-32 mm dia.	10.00	each		
75	Providing and PTMT Soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 110 gms (Prayag or equivalent)	20.00	Each		
76	Providing and fixing 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 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.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
a	20mm CPVC pipe	200.00	Rm		
b	25mm CPVC pipe	200.00	Rm		
c	32mm CPVC pipe	200.00	Rm		
77	Providing and fixing 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 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.- - Exposed on wall				
a	40mm PVC pipe	200.00	Rm		
b	50mm PVC pipe	50.00	Rm		
78	Providing and fixing unplasticised rigid P.V.C pipe (pressure 4kg/cm ²) in rain water pipe or in drainage lines including jointing all complete				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
a	110mm dia	200.00	Rm		
b	75mm dia	100.00	Rm		
79	Providing and fixing on wall face unplasticised -P.V.C moulded fittings / accessories for unplasticised - Rigid P.V.C 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 :-				
	Coupler				
a	75 mm	20.00	each		
b	110 mm	20.00	each		
	Single tee with door				
a	75x75x75 mm	25.00	each		
b	110x110x110 mm	25.00	each		
	Single tee with out door				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
a	75x75x75 mm	25.00	each		
b	110x110x110 mm	25.00	each		
	Bend 87.5 degree				
a	75 mm bend	45.00	each		
b	110 mm bend.	50.00	each		
	Shoe(plain)				
a	110 mm shoe	40.00	each		
80	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100 x 100 mm size P type. With common burnt clay FPS of classification 7.5	20.00	Each		
81	Providing and fixing PTMT (an Engineering thermo plastic) (prayag or equivalent) grating of approved quality colour and make 150 mm nominal size square, 18 mm high 100mm dia of the inner of hinged round grating domed shapped with 31 mm waste hole confirming to IS standards,	50	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
82	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS : standards and weighing not less than 690 grams: 15mm nominal bore	20	Each		
83	Providing and fixing C.P. brass bib cock of approved quality conforming to IS : 8931 :- 15 mm nominal bore	30	each		
84	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS 8931 :- 15 mm nominal bore	40	Each		
85	Providing and fixing unplasticised P.V.C connection pipe with brass unions :-				
a	15 mm nominal bore.	5.00	each		
86	Providing and fixing gun metal valve with C I wheel of approved quality (screwed end):-				
a	25mm dia nominal bore	5.00	each		
b	40 mm dia nominal bore	5.00	each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
87	Constructing brick masonry manhole in cement mortar 1 : 4 (1 cement : 4 coarse sand) R.C.C. top slab with 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1 : 4 : 8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12mm thick with cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1: 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design Inside size 90 x 80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) With F.P.S bricks with class designation.	20.00	Each		
88	Extra for depth for manholes :-With F.P.S bricks with class designation.	20.00	m		
89	Constructing soak pit 1.20 x 1.20 x 1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	5.00	Each		
90	Providing and placing on terrace (at all floors levels) polythylene water storage tank ISI:12701 marked with cover and suitable locking arrangement and making necessary holes for inlet ,outlet and over flow pipe but without fitting and base support for tank	20000.00	ltr		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
	NON SCHEDULE ITEMS				
1	Dismantling of closet IWC/EWC of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50meters lead	35.00	Each		
2	Dismantling wash basin including stacking of material within 50m lead.	15.00	Each		
3	Providing and laying 1st quality joint free Ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make like JOHNSON, KAJARIA, NITCO, & SOMANY make in all colours, shades except begundy, bottle green, black of any size as approved by Engineer in charge in skirting, risers of steps and dados over 12mm thick bed of Cement Mortar 1:3 (1Cement:3 Coarse sand) and joining with grey cement slurry @ 3.3kg per sqm including pointing the joints with white cement and matching pigment etc. complete. (325x245mm)	3460.00	Sqm		
4	Providing and fixing joint free ceramic wall tile(Antifungal Germfree) of approved make, colour and size (60x30) as approved by Engineer in charge in dados over 12 mm thick bed of cement mortar (1 cement : 3 coarse sand)and jointing with filler of epoxy grouting etc complete.	65.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
5	Providing, Fixing, Supply and Installation of seamless flooring, wall paneling system, 2mm Gerflor Vinyl Flooring 2mm thick Roll type, with perfectly curved flush covings, all joints welded properly.(Model Mipolam cosmo) For operation theatre	110.00	Sqm		
6	Providing and fixing non polyster film of approved make and colour with self adhesive to glazed windows / doors sun film/etching sticker.	15.00	Sqm		
7	Machine polishing Two coats to mosaic floor / marble floor to smooth finish and intermediate filling with white / coloured cement and mansion polishing the surface etc. complete.	2420.00	Sqm		
8	Dismantling door shutter and repairing the same after cutting the bottom style to suit the floor level including the cost of 100mm butt hitches	100.00	Each		
9	Easing of doors windows including removing and re fixing of shutters and replacing the damaged hinges where ever necessary.	425.00	Sqm		
10	Providing and fixing floor trap of PVC type design with screwed down or hinged grating with or with out vent arm cvomplete,including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet	50.00	Each		
11	Providing and fixing C.P brass elbow action pillar cock : 15mm nominal bore	5.00	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
12	Chipping the existing cement plastered surface carefully without any damages to the nearby structures including disposal of debris within a distance of 150m , cost of labour charges, hire charges of tools etc	500.00	sqm		
13	Providing a bonding coat (two coat)using approved water proofing bonding agent in doses by weight as per manufactures specification	510.00	sqm		
14	Supplying and placing wire mesh to the top of slab for concreting including cost of wire mesh, cutting and placing charges cost of conveyance etc complete	510.00	sqm		
	PART- B - ELECTRICAL WORKS				
	NON SCHEDULE ITEMS				
	Air Conditioning Works				
1	Supplying 2 TR High wall mounting single phase SPLIT A/C Unit 2 Star rating Make Carrier/ Voltas/ Blue star	6.00	Each		
2	Voltage stabilizer 5 kVA	6.00	Each		
3	Supplying 1 TR High wall mounting single phase SPLIT A/C Unit 3 Star Rating Make Carrier/Voltas/ Blue star	4.00	Each		
4	Voltage stabilizer 4 kVA	4.00	Each		
5	Angle iron supporting unit for mounting Compressor(ODU)	10.00	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
6	Installation charges	10.00	Each		
	Part I - Total				
PART II : RENOVATION OF RMO QUARTERS AND BACHELORS NURSING HOSTEL					
	PART A CIVIL WORK				
	SCHEDULE ITEMS				
1	Demolishing brick work Manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres as per the direction of Engineer in -charge. In cement mortar	5.00	Cum		
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping round within 50 metres lead	1325.00	Sqm		
3	Demolishing RCC work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50metres lead as per direction of Engineers in charge	1.00	Cum		
4	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in charge. 1:4:8 or leaner mix	3.00	Cum		
5	Dismantling tile work in floors and roofs laid in cement mortar including stacking of serviceable material within 50 metres lead. For thickness of tiles 10mm to 25 mm	305.00	Sqm		
6	Dismantling doors, windows and celestory windows (steel or wood) shutter including chowkhats, architrave, hold fast etc complete and stacking within 50 meters. Of area 3 sq meters and below	50.00	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.1:4:8 (1 cement : 4 coarse sand : 8graded stone aggregate 40 mm nominal size)	14.00	Cum		
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.1:2:4 (1 cement:2coarse sand: 4 graded stone aggregate 20mm nominal size)	4.00	Cum		
9	Making plinth protection 50mm thick of cement concrete 1:3:6 (1cement:3coarse sand:6graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size wall rammed and consolidated and grouted with fine sand including finishing the top smooth.	70.00	Sqm		
10	Brick work with bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:4 (1 cement: 4 coarse sand)	5.00	Cum		
11	Half brick masonry with bricks of class designation 75 in superstructure above plinth level upto floor V level in cm 1:4 (1 cement: 4 coarse sand).	20.00	Sqm		
12	Extra for providing and placing in position 2 nos 6mm dia MS bars at every third course of half brick masonry with FPS bricks	20.00	Sqm		
13	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor V level including cost of centering, shuttering, finishing and excluding the cost of reinforcement in 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	1.50	Cum		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
14	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers For Misc. works	10.00	Sqm		
15	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars	165.00	Kg		
16	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement :4 Fine sand)	670.00	Sqm		
17	Cement Plaster in two coats – 18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1 : 6 (1 cement : 6 fine sand) for outer walls	705.00	Sqm		
18	Applying one coat of water thinnable cement primer of approved brand and manufacturer on wall surface : Water thinnable Cement primer.	670.00	Sqm		
19	Wall painting with acrylic emulsion paint of Approved brand and manufacture to give an even shade .Two or more coat on new work	670.00	Sqm		
20	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. For external wall	705.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
21	Finishing walls with textured exterior paint (weather proof) of required shade: New work (Two or more coats applied @ 3.28ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10sqm.	705.00	Sqm		
22	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	210.00	Sqm		
23	Providing and fixing curtain rod of 1.25mm thick brass plate with two brass bracket fixed with brass screws and wooden plugs etc. Wherever necessary completed 20mm diameter	50.00	Metre		
24	Fixing of old glass panes with wooden fillets(excluding cost of fillet)	10.00	Sqm		
25	Supplying and fixing new wooden fillets wherever necessary: 2nd class teak wood fillets	10.00	Mtre		
26	Renewing glasspanes with wooden fillets wherever necessary Float glass panes of thickness 4mm	10.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
27	Providing and laying anti skid ceramic floor tiles of approved make like JOHNSON,KAJARIA, or equivalent of 300mmx300mm size for toilets, kitchen area (7.5mm thickness or nearest size) of 1st quality conforming to IS 15622 of approved make in all colours, shades, except white, ivory, grey, fume red brown laid on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigments etc complete.	16.00	Sqm		
28	Providing and laying Ceramic glazed tiles conforming to IS:13753 of minimum thickness 5mm of approved make like JOHNSON,KAJARIA,,NITCO, & SOMANY make in all colours, shades except begundy, bottle green, black of any size as approved by Engineer in charge in skirting, risers of steps and dados over 12mm thick bed of Cement Mortar 1:3 (1Cement:3 Coarse sand) and joining with grey cement slurry @ 3.3kg per sqm including pointing the joints with white cement and matching pigment etc. complete. 300x200 mm or nearest size.	55.00	Sqm		
29	Providing and laying polished vitrified floor tiles of size 60 x 60cm of thickness 10mm of M/s. Johnson or equivalent (Marbonite), Somany, Kajaria or equivalent in light colours and shades, with water absorption's less than 0.08% and conforming to IS:15622 ,laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with cement and matching pigments etc, complete as directed by the Engineer-in-charge.	180.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
30	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with 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 Area of slab over 0.50 sqm	4.00	Sqm		
31	Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand): Dark shade using ordinary cement	65.00	Sqm		
32	Providing and fixing factory made PVC door frame made of PVC extruded section having over all dimensions of 48x40mm (tolerance +1mm) with wall thickness 2.0mm+0.2mm, corners of the door frame to be mitred and joined by means of plastic/MS galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized MS tube of size 19x19mm and 1mm+0.1mm wall thickness and 3nos stainless steel hinges fixed to the frame complete charge. (Sintex,Plasopan duroplast,or Rajasree) 48x40x2.0mm thick PVC door frame	25.00	Metre		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
33	Providing and fixing to existing door frames 24mm thick factory made PVC door shutters made of styles and rails of UPVC hollow section of size 59x24mm and wall thickness 2mm+0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of MS galvanized/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized MS tube of size 20x20mm and 1mm +0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24mm and 2mm+0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanized MS 'U' cleats. The shutter frame filled with a UPVC multi chambered single panel of size not less than 620mm, having over all thickness of 20mm and 1mm +0.1mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanized MS rod and fastened with nuts and washers, complete. (Plasopan or Sintex, duroplast, Rajasree). 24mm thick shutter	17.00	Sqm		
34	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position : Second class teak wood	2.50	cum		
35	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws including, panelling etc as per the drawings and as directed by the Engineer-in-charge with Second class teak wood 35 mm thick shutters	25.00	Sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
36	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws etc as per the drawings and as directed by the Engineer-in-charge . Second class teak wood30-35 mm thick	43.00	Sqm		
37	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	800.00	kg		
38	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	16.00	Each		
39	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	30.00	Each		
40	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete-				
a	300x16	20.00	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
41	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a	250x10 mm	70.00	Each		
b	100x10 mm	100.00	Each		
42	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a	125 mm	50.00	Each		
b	100mm	20.00	Each		
c	75mm	20.00	Each		
43	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	25.00	Each		
	Twin rubber stopper				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
44	Providing and fixing water closet squatting pan (Indian type WC pan) with 100 mm sand cast iron P or S trap, 10 litres low level P.V.C flushing cistern manually controlled device (handle lever) conforming to IS: 7231, Parryware/ Hindware/ Seabird/Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :-	5.00	each		
	White Vitreous china Orissa pattern WC pan of size 580 x 440 mm with integral type foot rests.				
45	Providing and fixing white vitreous china pedestal type water closet (European type W.C.pan) with seat and lid, 10 litre low level P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, Parryware / Hindware/ Seabrid / Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and flors wherever required :-White Vitreous china Orissa pattern WC pan of size 580 x 440 mm with integral type foot rests .	5.00	each		
46	Providing and fixing wash basin with C.I/M.S brackets painted white ,15 mm C.P brass pillar taps, Kingston / Gem / Techno / Parko, 32 mm C.P brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required :-	5.00	each		
	Wash basin size 550x400mm with single 15mm C.P.brass pillar tap				
47	Providing and fixing Salem stainless steel A ISI 304 (18/8) kitchen sink as per I.S 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required.	2.00	each		
	Kitchen sink with drain board				
	510x1040mm bowl depth 250mm.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
48	Providing and fixing 600 x 450 mm bevelled 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 .	5.00	each		
49	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make (Prayag or equivalent).600 mm long towel rail with total length of 645 mm, width	5.00	Each		
50	Providing and fixing P.V.C waste pipe for sink or wash basin, including P.V.C waste fittings complete :- Flexible pipe :-32 mm dia.	7.00	each		
51	Providing and PTMT Soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 110 gms (Prayag or equivalent)	10.00	Each		
52	Providing and fixing 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 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.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
a	20mm CPVC pipe	50.00	Rm		
b	25mm CPVC pipe	100.00	Rm		
c	32mm CPVC pipe	100.00	Rm		
53	Providing and fixing 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 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.- - Exposed on wall				
a	40mm CPVC pipe	100.00	Rm		
b	50mm CPVC pipe	20.00	Rm		
54	Providing and fixing unplasticised rigid P.V.C pipe (pressure 4kg/cm ²) in rain water pipe or in drainage lines including jointing all complete				
a	110mm dia	150.00	Rm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
b	75mm dia	100.00	Rm		
55	Providing and fixing on wall face unplasticised -P.V.C moulded fittings / accessories for unplasticised - Rigid P.V.C 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 :-				
	Coupler				
a	75 mm	10.00	each		
b	110 mm	15.00	each		
	Single tee with door				
a	75x75x75 mm	10.00	each		
b	110x110x110 mm	15.00	each		
	Single tee without door				
a	75x75x75 mm	10.00	each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
b	110x110x110 mm	15.00	each		
	Bend 87.5 degree				
a	75 mm bend	10.00	each		
b	110 mm bend.	15.00	each		
	Shoe(plain)				
a	110 mm shoe	20.00	each		
56	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100 x 100 mm size P type. With common burnt clay FPS of classification 7.5	6.00	Each		
57	Providing and fixing PTMT (an Engineering thermo plastic) (prayag or equivalent) grating of approved quality colour and make 150 mm nominal size square, 18 mm high 100mm dia of the inner of hinged round grating domed shapped with 31 mm waste hole confirming to IS standards,	5.00	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
58	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS : standards and weighing not less than 690 grams: 15mm nominal bore	5.00	each		
59	Providing and fixing C.P. brass bib cock of approved quality conforming to IS : 8931 :- 15 mm nominal bore	3.00	each		
60	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS 8931 :- 15 mm nominal bore	3.00	Each		
61	Providing and fixing unplasticised P.V.C connection pipe with brass unions :-				
a	15 mm nominal bore.	5.00	each		
62	Providing and fixing gun metal valve with C I wheel of approved quality (screwed end):-				
a	25mm dia nominal bore	3.00	each		
b	40 mm dia nominal bore	3.00	each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
63	Constructing brick masonry manhole in cement mortar 1 : 4 (1 cement : 4 coarse sand) R.C.C. top slab with 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1 : 4 : 8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 12mm thick with cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1: 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design Inside size 90 x 80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) With F.P.S bricks with class designation.	5.00	Each		
64	Extra for depth for manholes :-With F.P.S bricks with class designation.	2.50	m		
65	Constructing soak pit 1.20 x 1.20 x 1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	3.00	Each		
66	Providing and placing on terrace (at all floors levels)polythylene water storage tank ISI:12701 marked with cover and suitable locking arrangement and making neccessary holes for inlet ,outlet and over flow pipe but with out fitting and base support for tank	1000.00	ltr		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
67	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc complete. Hot finished welded type tubes:	1800.00	Kg		
68	Supply & installation of precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.5mm +/- 5% total coated thickness (TCT) thick Zinc coating 120gsm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/ self tapping screws of size (5.5 x 55 mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I limpet washers or with G.I limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	62.00	Sqm		
69	Cement concrete 1: 1: 2 using 10mm nominal size broken stone. For water proofing treatment	12.00	cum		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
70	Plastering with cement mortar 1:3 (1cement, 3 fine sand) including neat flushing coat and providing and mixing water proofing materials in cement plaster work in proportion recommended by the manufactures. For water proofing treatment	230.00	sqm		
	NON SCHEDULE ITEMS				
1	Dismantling of closet IWC/EWC of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50meters lead	4.00	Each		
2	Dismantling wash basin including stacking of material within 50m lead.	3.00	Each		
3	Easing of doors windows including removing and re fixing of shutters and replacing the damaged hinges where ever necessary.	50.00	Sqm		
4	Dismantling door shutter and repairing the same after cutting the bottom style to suit the floor level including the cost of 100mm butt hinges	15.00	Each		
5	Providing and fixing floor trap of PVC type design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 10mm inlet and 50mm outlet	5.00	Each		
6	Chipping the existing cement plastered surface carefully without any damages to the nearby structures including disposal of debris within a distance of 150m , cost of labour charges, hire charges of tools etc	230.00	sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
7	Providing a bonding coat (two coat) using approved water proofing bonding agent in doses by weight as per manufactures specification	230.00	sqm		
8	Supplying and placing wire mesh to the top of slab for concreting including cost of wire mesh, cutting and placing charges cost of conveyance etc complete	230.00	sqm		
	PART B ELECTRICAL WORK				
	NON SCHEDULE ITEMS				
1	Supply of Fluorescent tube light fitting with lamp holder, electronic ballast suitable for continuous operation with THD <10% duly wired up for use on 230 V AC supply with fluorescent tubes. The fittings shall be made from CRCA MS sheet of minimum thickness 0.50 mm nominal thickness inside & outside of reputed makes of Philips, Wipro or Crompton				
	Suitable for single 28 W T5 lamp	30	Each		
2	Supply of Ceiling fan, complete with 300mm down rod, canopies, shackles and blades and resistance type regulator working on 230/240V single phase A/C of reputed makes of Crompton, Bajaj or Usha.				
a	1050 mm sweep	4	Each		
b	1200 mm sweep	16	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
3	Supply of Light Duty Exhaust fan in metal frame working on 230 V A/C, 300 / 305 mm sweep of reputed makes of Crompton, Bajaj or Usha.	8	Each		
4	Supply and fitting Wall Mounting fan 400 mm sweep of reputed makes of Crompton, Bajaj or Usha.	2	Each		
5	Supply and fixing Non-retrofit CFL. PL-C 18 W - 2P / 4P Supply and fixing Compact Fluorescent Lamp(CFL) Bulb 18 watts of reputed makes of Crompton, Bajaj or Havells	20	Each		
6	Supply and fixing Non-retrofit CFL. PL-C 26 W - 2P / 4P Supply and fixing Compact Fluorescent Lamp(CFL) Bulb 26 watts of reputed makes of Crompton, Bajaj or Havells	20	Each		
7	Fluorescent tube light fitting with bi-directional reflector complete with lamp holder, electronic ballast suitable for continuous operation with THD <10%, duly wired up for use on 230 V AC supply with fluorescent tubes. The fittings shall be made from CRCA MS sheet of minimum thickness 0.50 mm nominal thickness inside & outside of Crompton , GE, Bajaj or Wipro,				
a	Suitable for single 28 T5 W lamp	5	Each		
b	Suitable for twin 28 W T5 lamps	5	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
8	Supplying and fixing Fluorescent street light fitting with aluminium housing, stove enameled CRCA sheet steel reflector cover, acrylic cover complete with lamp holder, electronic ballast suitable for continuous operation with THD <10%, duly wired up for use on 230 V AC supply with fluorescent tubes. Crompton make or equivalent make such as G.E, Bajaj, or Wipro, approved by Govt.;wiring with 2x1.5 sq mm PVC insulated copper wire with suitable earthing using 1x1.5 sq mm copper wire, lamp bracket fabricated out of suitable Size G.I pipe first quality, to suit the lamp fitting complete with T5 1x28 watts of approved make, testing and commissioning etc as required with IP-65 protection.	2	Each		
9	Supplying and fixing surface mounting decorative fluorescent tube light fitting (Cat-2) complete with lamp holder, electronic ballast suitable for continuous operation with THD <10%,duly wired up for use on 230 V AC supply with fluorescent tubes of Crompton make or equivalent make such as G.E, Bajaj, Wipro or Havels approved by Govt.;wiring with 2x1.5 sq mm PVC insulated copper wire with suitable earthing using 1x1.5 sq mm copper wire, lamp bracket fabricated out of suitable Size G.I pipe first quality, to suit the lamp fitting complete with T5 2x18 watts of approved make, testing and commissioning etc as required.	2	Each		
10	S/F PVC Lamp Holders. Angle batten holder with advance international interlock configuration including connection etc as required.	40	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
11	S/F Aluminium reflector Lamp Shades. Supply and fixing Polished Aluminium shade reflector 250 mm on the PVC straight / angle batten holder etc complete as required.	40	Each		
12	KSEB Meter Board				
	S/F Metering Panel with 63 A SFU: Supplying, installation, testing and commissioning of surface, mounting Metring Pannel made out of sheet steel, powder coated with provision for fitting KSEB Energy meter, 3 Nos. 63 amps HRC type fuse units, 1 No Neutral Link, 1 No 63 A TPN SFU HRC type and earth bus , wiring with 1x6 sq mm FR PVC Copper wire Single core cable etc as required.	1	Each		
13	Computer Point Providing and fixing computer I/O outlet Cat-6 (RJ-45) Group-B make in existing modular flush box complete with all accessories, connection etc. complete as required as per specification	6	Each		
14	CAT-6 Un Twisted Pair (UTP) cable wiring in existing conduit: Supplying and drawing UTP cable in the existing surface/ recessed steel/ PVC conduit as required for computer.	120	Metre		
	SCHEDULE ITEMS				
	COPPER WIRING IN PVC CONDUIT.				
15	Point wiring in PVC conduit, with Modular type switch: Wiring for light point/exhaust fan point/ call bell point with 1.5 sq:mm FR PVC insulated copper conductor single core cable cable in surface/ recessed PVC conduit, with modular switch, modular plate, suitable size G.I. box and earthing the point with 1.5 sq:mm FR PVC insulated copper conductor single core cable etc as required.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
a	Group B	12	point		
b	Group C	40	Point		
16	Twin control point wiring in PVC conduit with modular type switch: Wiring for twin control light points with 1.5 sq mm FRPVC insulated copper conductor single core cable in surface /recessed PVC conduit 2 way modular type switch, phenolic laminated sheet ,suitable size MS box and earthing the point with 1.5 sq mm FR PVC insulated copper conductor single core cable etc as required.	4	Point		
17	Wiring for light/power plug with 2x4 sqmm FR PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit along with 1no4sqmm FR PVC insulated copper conductor single core for loop earthing as required..	150	mts		
18	Wiring for light/power plug with 42x4 sqmm FR PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit along with 2nos 4sqmm FR PVC insulated copper conductor single core for loop earthing as required..	25	mts		
19	Circuit Sub main wiring in PVC Conduit: Wiring for circuit sub main wiring alongwith earthwire with the following sizes of PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
a	2x1.5 sq mm +1x1.5 sq. mm earth wire	450	Metre		
b	2x2.5 sq mm +1x 2. 5 sq.mm earth wire	100	Metre		
c	2x4 sq. mm +1x4 sq. mm earth wire	300	Metre		
d	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	150	Metre		
e	4 X 10 sq. mm + 2 X 10 sq. mm earth wire	25	Metre		
f	4 X 16 sq. mm + 2 X 16 sq. mm earth wire	50	Metre		
20	Telephone wiring in existing conduit: Supplying and drawing following pair, 0.5 sq mm FR PVC insulated copper conductor, un armoured telephone cable in the existing surface/recessed steel/ PVC conduit.				
a	2Pair	50	mts		
b	4 Pair	20	mts		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
21	T. V cable in existing conduit: Supplying and drawing co - axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/recessed steel/ PVC conduit as required.	50	Metre		
22	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recesse including cutting the wall and making good the same in case of recessed conduit as required				
a	20mm	250	mts		
b	25mm	50	mts		
23	S/F Modular type switch/ socket: Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.				
a	15/16 amps switch	4	Each		
b	3 pin 5/6 amps socket outlet	6	Each		
c	6 pin 15/16 amps socket outlet	4	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
d	Telephone socket outlet	4	Each		
e	TV antenna socket outlet	4	Each		
f	Bell push	2	Each		
24	Supplying and fixing electronic fan regulator: Supplying and fixing stepped type electronic fan regulator on the existing modular plate and switch box excluding modular plate but including connections etc as required.	16	Each		
25	S/F Modular type blanking plates: Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	30	Each		
26	Supplying and fixing of following sizes of modules, GI box along with modular base and cover plate for modular switches in recess etc as required				
a	1 or 2 modules (75 mmx 75mm)	20	each		
b	12 modules (200mmx150 mm)	4	each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
27	S/F light plug point modular type accessories: Supplying and fixing suitable size G. I box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, painting etc as required, (For light plugs to be used in non residential buildings).	20	Each		
28	S/F Power plug point with modular type switch: Supplying and fixing suitable size G. I box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16& 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc as required.	12	Each		
29	S/F Ceiling rose supplying and fixing 3 pin,5A ceiling rose on the existing junction/wooden box including connection etc as required.	50	each		
30	S/F Brass batten/angle holder holder including connection etc as required	20	each		
31	S&F MCCB in cubicle Panel: Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	100 Amp, 16 KA	1	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
32	S/F SP MCB supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with tinned copper busbar, neutral busbar, earth bar din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc as required. (but without MCB/RCCB/Isolator)				
	12 way, double door	2	Each		
33	S/F TP MCB DB: Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	4 way (4 + 12), Double door	2	Each		
34	S/F Vertical Type TPNMCB DB with provision for MCCB as Incomer: Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of 100 amps TP 16 KA MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
	8 Way TP	1	Each		
35	S/F SPN RCCB Supplying and fixing following rating, double pole,(single phase and neutral) 240 volts, residual current circuit breaker { RCCB }, having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	25 amps	2	Each		
36	S/F TPN RCCB: Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	40amps	1	Each		
37	S/F 'C' series, SP/TP MCB: Supplying and fixing 5 amps to 32 amps rating, 240 Volts ' C ' series, miniature circuit breaker suitable for inductive load of the following poles in the existing MCB DB complete with connections, testing and commissioning etc as required.				
a	Single pole	20	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
b	Single pole and neutral	2	Each		
c	double	2	each		
d	triple pole	4	each		
38	S/F 30ATPN MCB industrial socket outlet: Supplying and fixing 30 amps, 415 Volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 amps 'C' series, TP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	2	Each		
39	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 Volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps 'C' series, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	10	Each		
40	S/f SP MCB blanking plate: Supplying and fixing single pole blanking plate in the existing MCB DB complete etc as required.	30	Each		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
41	S/F DP MCB isolator: Supplying and fixing following rating, double pole, 240 Volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc, as required.				
a	40 amps	6	Each		
b	63 amps	4	Each		
42	ITC Fluorescent fitting with down rod: Installation and testing commissioning of prewired, fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tube etc, including supplying and fixing ball and socket arrangement, 2 Nos down rods of 20 mm dia x 1.6 mm thick steel conduit up to 30 cm length, painting and wiring the down rods and connection with 1.5 sq mm FR PVC insulated, copper conductor single core cable and earthing etc as required.	16	Each		
43	Installation and testing commissioning of prewired, fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tube etc, directly on ceiling/wall, including connection with 1.5 mmFR PVC insulated copper conductor single core cable and earthing etc as required.	20	each		
44	S/F FP MCB isolator: Supplying and fixing following rating, four pole, 415 Volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
	40 amps	4	Each		
	63 amps	4	Each		
45	Supplying and laying 6 SWG G.I. wire in ground: Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	230	mts		
47	G.I Earth Pipe Electrode Earthing with GI Earth Pipe 4.5 mtr long, 40 mm daia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/cokeand salt as required.	2	Set		
	Part II – TOTAL				

PART III : COMPOUND WALL AND PARKING AREA

	PART - A - CIVIL WORKS				
	SCHEDULE ITEMS				
1	Demolishing Stone rubble masonry in cement mortar by manually/ mechanical means including stacking of serviceable materials and disposal of unserviceable materials within 50metres lead: as per direction of Engineer in charge.	60.00	cum		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
2	Demolishing brick work in cement mortar by manually/ mechanical means including stacking of serviceable materials and disposal of unserviceable materials within 50metres lead: as per direction of Engineer in charge.	7.00	cum		
3	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, with in a lead of 50 m.	30.00	cum		
4	Earth work in surface excavation not exceeding 30cm in depth but exceeding 1.5m in width as well as 10sqm on plan including disposal of excavated earth upto 50m and lift upto 1.5m, disposed soil to be levelled and neatly dressed: All kinds of soil	1010.00	100sqm		
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth :consolidating each deposited layer by ramming and watering, lead up to 50 mm and lift upto 1.5m	6.00	cum		
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth				
a)	1:4:8 (1 Cement : 4 Sand : 8graded stone Aggregate 40 mm nominal size	9.00	cum		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
7	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 etc. up to floor five level, excluding the cost of centering, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	9.00	cum		
8	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 cement: 3 coarse sand) including the cost of required centering, shuttering complete; 1:2:4 (1 cement:2 coarse sand : 4 graded stone aggregate 20mm nominal size)	13.00	cum		
9	Random rubble masonry with hard stone in foundation & plinth including levelling up with cement concrete 1 : 6 : 12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at plinth level with :cement mortar 1:6	130.00	cum		
10	Brick work with bricks of class designation 75 superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4coarse sand).	7.00	cum		
11	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar work	200.00	Kg		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
12	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	120.00	Kg		
13	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately) :- Payment to be made per metre cost of total length of barbed wire used. With G.I. barbed wire	250.00	metre		
14	12mm cement plaster of mix:				
	1:4 (1 cement : 4 fine sand)	105.00	sqm		
15	Pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand) Flush/Ruled pointing	330.00	sqm		
16	Finishing walls with textured exterior paint (weather proof) of required shade: New work (Two or more coats applied @ 3.28ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10sqm.	560.00	sqm		

Item no	Description	Quantity	Unit	Rate (Rs) (in fig. & in words)	Amount (Rs)
17	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	20.00	sqm		
18	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with 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 Area of slab over 0.50 sqm	50.00	sqm		
19	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge.	910	sqm		
	PART III - TOTAL				
	GRAND TOTAL (PART I + PART II + PART III)				