

BOQ

**Name of work: Modifications on Ground Floor & Establishing Porta Structure at 2 nd floor terrace for D
Paramedical Sciences of Rufaida college of Nursing Building.**

S.No.	Description	Unit	Qty	Rate
1	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in- Charge. (a) Internal Work- Exposed on wall	metre	22.00	
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum	4.00	
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	cum	2.00	
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 metres lead.	sqm	50.00	
5	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	cum	50.00	
6	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Sqm	4.00	
7	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum	2.00	
8	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge	sqm	6.00	

9	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	cum	2.00	
10	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area beyond 3 sq. metres	each	4.00	
11	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.	Sqm	25.00	
12	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	20.00	
13	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer in charge	sqm	16.00	
14	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs,	sqm	5.00	
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	kg	75.00	
16	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	cum	0.76	
17	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Second class teak wood	sqm	4.00	

18	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	15.00	
19	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	kg	125.00	
20	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 : 300x16 mm	each	4.00	
21	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 :	each	4.00	
22	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 : 125 mm	each	15.00	
23	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	sqm	25.00	
24	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and	kg	300.00	
25	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners. stainless	kg	250.00	

26	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. 40 mm thick with 20 mm nominal size stone aggregate	sqm	10.00	
27	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	sqm	25.00	
28	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.	Sqm	450.00	
29	13.46 Finishing walls with Acrylic Smooth exterior paint of required shade : 13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	50.00	
30	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm) sqm Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm)	sqm	5.00	
31	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete. (door set/hardware)	each	5.00	

32	<p>Providing and fixing the aluminum partitions in champagne color same as existing partitions with extruded built up standard tubular sections of size 2.5"x1.5" of 16 gauge, 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, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws,all complete as per the direction of Engineer in charge. The partition having the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color complete as required/as existing.</p>	Sqft	65.00	
33	<p>Providing and fixing the aluminum door in champagne color same as existing doors, with extruded built up standard tubular sections of size top,vertical and middle 3.25"x1.75" of 16 gauge, 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, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws,all complete as per the direction of Engineer in charge. The door having the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color including p/f the aluminium tower bolt,aldrope.door stopper complete as required/as existing.</p>	Sqft	45.00	
34	<p>PVC Flooring Work : Providing & fixing PVC flooring of 1.6 mm thick approved quality in required shade and coloured (as per approved sample). The PVC flooring shall be fixed with required quality of rubber adhesive etc complete</p>	Sqm	65.00	
35	<p>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)</p>	cum	12.00	

36	4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5.00	
37	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	Cumt	12.50	
38	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	75.00	
39	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. 40 mm thick with 20 mm nominal size stone aggregate	sqm	120.00	
40	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick	Rmt	220.00	
41	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	sqm	20.00	
42	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete. 0.80 mm thick with zinc coating not less than 275 gm/m ² metre	Rmt	38.00	

43	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be terlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, 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 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>			
44	<p>GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.</p>	Sqm	200.00	
45	<p>GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.</p>	Sqm	25.00	
46	<p>12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)</p>	sqm	35.00	
47	<p>15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)</p>	sqm	25.00	

48	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	sqm	565.00	
49	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 complete	sqm	435.00	
50	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. <i>(With cement mortar 1:4 (1 cement : 4 fine sand))</i>	sqm	35.00	
51	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge. <i>For door/window/ clerestory window etc.</i>	Sqmt	10.00	
52	Providing and fixing white vitreous china pedestal type water closet (European type) with 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 : W.C. pan with ISI marked white solid plastic seat and lid	each	4.00	
53	Dismantling and refixing of existing European type W.C. all complete fitting as required .	Job	2.00	
54	Providing and fixing PVC gate valve with wheel of approved quality (screwed end) : 25 mm nominal bore	Each	2.00	
55	Providing and fixing Floor trap C.P. jail of 125 mm Dia,	Each	6.00	
56	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern (all complete)	each	5.00	

57	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	each	4.00	
58	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia each	Nos	4.00	
59	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.	each	5.00	
60	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall			
60.a	20mm nominal outer dia pipes	metre	30.00	
60.b	25mm nominal outer dia pipes	metre	50.00	
60.c	32mm nominal outer dia pipes	metre	25.00	
61	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 20 mm nominal dia Pipes metre	metre	25.00	
62	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length	each	4.00	
63	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	each	1.00	
64	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, 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.	per litre	1,000.00	

65	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	each	15.00	
66	Providing and fixing C.P. brass long nose bib cock/ pillar cock of approved quality conforming to IS standards and weighing not less than 810 gms. 45 mm nominal bore	each	9.00	
67	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. 20 mm nominal bore, 120 mm long, weighing not less	each	1.00	
68	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm)	sqm	35.00	
69	Walls- the Walls shall be made out of sandwich panel made two fibre reinforced cement facing sheets on either sides of a light weight concrete core. The core is made from mix of port land cement and binders. These fibre cement boards shall be of thickness up to 5mm. The core shall compose of portland cement and a mix of silaceous & micaceous material. These panels shall have unique tongue and groove looking arrangement for jointing. The overall wall shall be 75mm thick. Make: Everest rapicon wall.	Sqmt	215.00	

70	Providing and fixing of industrial tape with fill in the joints and sealents. Providing and laying or putty on wall surface with render smooth and sanded ready for application of paint finishes. Providing and applying water proof paint on the inside wall(Make Asian/ Burger) in any desired shade as per the client. Providing and applying out side superfine paint (Make globe paints) in any desired shade as per the client.	Sqmt	110.00	
71	Doors With Lock & Complete Accessories Providing and fixing of flush doors,shall be 30mm thick commercial flush type doors with all locking arrangement and handles, tower bolts,door stooper etc. complete, The doors shall be finished by both side leminates 1mm Size as per drg. i/c. fixing of door closure of approved make	Sqmt	25.00	
72	MS Door frame (Chaukhat) Providing and fixing of MS door frame (chaukhat) D-1 frame Size 100x45x60x35x25x2mm -5nos 600kg	kg	450.00	
73	Providing and fixing of MS door frame (chaukhat) D-2 frame Size 100x45x60x35x25x2mm -8nos 240kg			
74	Providing and fixing of MS door frame (chaukhat) D-3 frame Size 100x45x60x35x25x2mm -3nos 90kg			
75	Providing and fixing of U chanel 0.5mm GP sheet 75x40x40x.05mm-31Nos 49.6kg			
76	Roofing Providing and fixing on the roof, shall be covered by Hi quality PPGI colour coated profile sheets .50mm. Make (Asian /Essar/Equivalent For extra precautions every hole will be sealed with silicon (rubberized chemical compound)	Sqmt	235.00	
77	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m3, 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge	Sqmt	220.00	
78	Structural Framing for Wall & roof Construction Providing and fixing of steel structure- the steel structure shall be made out of MS tubular section (SHS & RHS) with truss, purling and portals. The steel structure shall be coated with rust preventive red oxide primer Make: Best/Hi-tech/surya/Equivalent. Size of section 100x100x4mm,40x80x3mm,60x40x2.5mm MS pipe 100x100x4mm for column MS pipe 40x80x3mm for Truss MS pipe 40x60x2.5mm for Purlings MS pipe 1'x1'x10mm for collum MS Column plate for top Side 150x150x10mm	kg	4,500.00	

79	Painting (Two or more coats) MS sheet,sections & pipes with enamel paint of approved brand and manufacture, over and including a priming of ready mixed zinc chromate yellow primer on new work: (25mm to 100mm pipe) Two coat enamel paint Berger/Asian .Item icludes complete painting of surface with all tools required for execution of work.	Rmt	675.00	
80	Windows With lock, frame and other complete accessories Window shall be Aluminium powder Coated Framed (Make Hindalco Eternia) Two track Sliding type windows with 6mm thick	Sqmt	40.00	
81	G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/ m ²) with ceramic tape of suitable thickness and fire resistant primer coating	Rmt	235.00	
82	P/F M.S. fastner 300 mm Long with chemical on the Structure	Nos	32.00	
83	P/F Bolts and nuts 20 mm dia 80 mm long	Nos	40	
84	Providing and fixing CPVC gate valve of approved Quality :-			
84.a	25mm nominal bore	each	6.00	
84.b	20mm nominal bore	each	3.00	
84.c	32 mm nominal bore	each	2.00	
85	Providing and fixing of PVC waste pipes			
85.a	100mm dia p.v.c.pipe	Rmt	45.00	
85.b	75 mm dia p.v.c.pipe	Rmt	27.00	
86	P/F UPVC elbow 100mm dia	Nos	4.00	
87	P/F UPVC elbow 50mm dia	Nos	4.00	
88	Providing and fixing 100mm circular type SS jali for floor trap	Nos	2.00	
89	Providing and fixing PVC Nani trap of 110 mm dia approved quality and make complete as required .	each	4.00	
90	Providing and fixing Roller blinds of approved shade and make (Vista Or Equivalent). All complete as per manufacturers specification and approval of Architect / Engineer- in - charge.	Sq.M	75	
TOTAL AMOUNT OF CIVIL & INTERIOR WORK (A) I/C GST				
ELECTRICAL WORK (B)				
91	Distribution System.			
i	S.I.T.C. Of Factory Manufactured 3 phase & Neutral Double Door Distribution board made out of 16 SWG sheet steel enclosure with cutouts for operating MCB/MCCB/RCCB etc. Knobs & consisting of Phase, Neutral & Earth Busbars with tapped holes, phase barriers & covers with removable plates on top & bottom for incoming &Outgoing Cables . D.B.'s shall be flush mounting type for both single & three phase.			

	S.I.T.C. Of 3 phase Vertical TPN 6way D.B. With following M.C.B./ M.C.C.B./ RCCB & cable end boxes at input and output			
	INCOMMING- 4 Pole 63Amp TPN MCCB			
	4 pole 100 Amp on load Changeover -1 No.			
	OUT GOING			
	3pole 32 Amp M.C.B. for 4/3 Ton cassette AC -4 No.			
	S.P. 16 Amp M.C.B. for Power/ light points -1 No.			
	S.P. 16A/20A/25A M.C.B.-2 No. Spare	nos	1.0	
	S.I.T.C of R.P.D.B.			
ii	S.I.T.C. 6 way TPN DB with 100 MA & 63 Amp four pole RCCB - 1 No	nos	1	
	Out going 16Amp SPN M.C.B - 10 No. and 6 Amp SPN MCB- 6 in BM, 2 No. 40/32/25 AMP SPN MCB for Split AC (Phase to be looped on 3 poles.) + 3SPARES			
iii	S.I.T.C. Of industrial plug sockets in metallic boxes with metal clad top and S.P.MCB's 10/16/20/32A rating for 1.5T/2 split A.C.'s	Nos.	2.0	
iv	S.I.T.C. Of weather proof boxes IP 55 near outdoor units with 4pole 32AMP MCB for cassette A.C. units (3 & 4 T AC)-5 nos	Nos.	3.0	
v	S.I.T.C. of 63 AMP 4Pole MCCB. In metallic box near Meter At the output of Meter .	Nos.	1.0	
92	Sub- Mains Cabling & Wiring : For Lighting, Raw Power,& U.P.S. D.B.'s.			
	S.I.T.C. Of I.S.I. Marked 1.1KV grade multi-strand F.R.L.S. Copper P.V.C. Wires in 19/25/32mm Medium grade I.S.I. Marked PVC pipes to be laid in underground trench /on wall/above false ceiling etc. Complete with all conduit accessories like bends, tees, junction boxes, with necessary fixing hardware etc. including re-surfacing of the floor/wall etc. wherever necessary with Resurfacing material.			
i	S.I.T.C. Of 3.5x 50 Sq.mm. XLPE aluminium armored cable with 2 x 10 Sq.mm. PVC wires(earthings) to be laid from branch METER With check nuts etc.D.B. Body to be earthed with double earth. Exact length to be measured before procurement. (From Building Meter room)	Mtr.	35.0	
ii	End termination of above cable with suitable Copper Lugs on both side of above wires.	set	4.0	
iii	S.I.T.C. Of 3 x 10 Sq.mm F.R.L.S. Copper flexible wires in 19/20mm PVC conduit from main D.B. To Raw Power (body to be earthed)	Mtr.	27.0	

iv	End termination of above wires at both ends in D.B.'s	set	4.0	
v	S.I.T.C. Of 5 x 6 Sq.mm. Copper flexible wires in 19/20mm. Medium gauge PVC conduit from main D.B. To Casette A.C.'s	Mtr.	55.0	
vi	End termination for above wires with pin types of copper lugs For Cassatte Acs	set	4.0	
vii	S.I.T.C. Of 3 x 4 Sq.mm. FRIS Copper flexible wires in 19/20mm. PVC conduit from D.B. To power points 16A pts/1.00/1.5/2 TON AC	Mtr.	60.0	
93	S.I.T.C. Of I.S.I. Marked 1.1KV grade multi-strand F.R.L.S. Copper P.V.C. Wires in 19/25mm Medium grade I.S.I. Marked PVC pipes to be laid in underground trench /on wall/above false ceiling/through modular furniture slots etc. Complete with all conduit accessories like bends, tees, junction boxes, with necessary fixing hardware etc. including re-surfacing of the floor/wall etc. wherever necessary with Resurfacing material. Point wiring for lights, fans, 6A dependent socket outlets etc. using S.&I. of 3 x 1.5 Sq.mm. Flexible copper FRLS multi-strand PVC copper wires in PVC conduits as described above for all the following points. Point wiring to include cost of wiring in PVC conduits & switch, sockets, boxes, plates and fixing accessories.			
i	one lights points controlled by one 6A switch	Nos.	10.0	
ii	two lights points controlled by one 6A switch	Nos.	18.0	
iii	four lights points controlled by one 6A switch	Nos.	6.0	
iv	Wall fan/exhaust fan points with switch at plate & 6A Socket near fan	Nos.	18.0	
94	S.I.T.C. Of 6Amp 5Pin universal sockets controlled by one 6A indicator switch complete with wiring 2x 2.5 Sq MM and Earth with 1 x 1.5 Sq MM and box & flush surface plate for RAW Power on workstations (above table area)etc. Including wiring and Wires to be drawn from Wire/cable manager/channel inside the workstation from underground metal box containing the conduits located below the work station. no surface conduits to be seen below workstations.			
i	Primary Point	Nos.	15.0	
ii	Secondary Point (Looped from Primary point)	Nos.	8.0	

95	S.I.T.C. Of 16 Amp 5 Pin universal sockets controlled by one 16 A indicator switch including wiring 3x 4 Sq MM and Earth with 1 x2.5 SqMM complete with box & surface plate for RAW Power on Work ststions.(socket in box with surface plate will be below table . Only 16A control switch with recessed surface plate will be above table . Wires to be drawn from Wire/cable manager/channel on wall chasing and conduiting or from underground metal box containing the conduits.			
i	Primary Point	Nos.	8.0	
ii	Secondary Point (Looped from Primary point)	Nos.	5.0	
96	LIGHT FITTINGS & ACCESSORIES			
	Supplying, installation with hanging support , testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge.(all LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty)			
i	FULL GLOW 2X2 LED 36W of make As specified in tender document or approved by architect . Product to be approved by the consultant & JHU before proceeding for SITC.	Nos.	26	
ii	SITC of 12 W LED commercial type down lighter of make As specified in tender document or approved by architect.Product to be approved by the consultant & JHU before proceeding for SITC.	Nos.	24	
iii	Ceiling mounted fans 1200 MM dia. make Bajaj/ Crompton/ Havells or equivalent	Nos.	18	
	GRAND TOTAL (A+B) I/C OF GST			

Contractor Si





