

CORRIGENDUM - I

for

Tender Notification No.: 24SP019T dated: 15.04.2024

Notice Inviting Tender for Interior Works to Setup Classrooms and Allied Amenities (Fifth and Sixth Floor) at Chennai Campus of IIM Tiruchirappalli.

Corrigendum/Amendments in the tender document

1. Please refer to the above-mentioned tender document for the Interior Works to Setup Classrooms and Allied Amenities (Fifth and Sixth Floor) at Chennai Campus of IIM Tiruchirappalli.
2. The following changes have been made in the Tender Document through this corrigendum – I

S. No	Reference to the Tender	Amendments
1	Page No. 31 -57 of the Tender Document i.e. Annexure –II.	Page Number 31-57 stands cancelled, and Revised Annexure – II (Price Bid – BoQ) is incorporated from Page 4 of this Corrigendum. Hence, the bidder should quote their rate only in the Revised Price Bid as available in this Corrigendum – I and the same has to be placed in Price Bid Cover (i.e. Cover 2).
2	Serial No. 2 of the Page No 22 under the Stage 2 of the Tender Evaluation Process	<i>Work Experience (Civil, Electrical, Interior) in the last five years as of 31st March 2024:</i> Two Work orders for Rs. 1 Crore to 1.99 Crores – 5 Marks Single Work orders for Rs. 2 Crores - 2.49 Crores – 7 Marks Single Work order for Rs. 2.5 Crores and above – 10 Marks The completion certificate along with the work order should be attached. <i>(Any Completion Certificate without a work order copy, contact details, and not in letterhead would not be considered)</i>
3	Panel Single line drawing attached as Appendix –I under this Corrigendum.	
4	For any clarifications arise during execution, decision of Engineer i/c will be final and binding.	
5	Measurement book should be maintained to record site measurements at site and the same should be countersigned by the Engineer i/c for passing the bill.	

S. No	Reference to the Tender	Clarifications		
		Queries raised by the Bidders	Clarification from IIMT	
PART – A (CIVIL WORKS)				
1	Serial No. 11 of Page No. 34 of the Part-A of the Annexure –II i.e. price Bid	Finishing of Flush Door Shutters	Kindly refer to the Revised Annexure –II (Revised Price Bid (BoQ)) in this corrigendum –I .	
2	Serial No. 41 of Page No. 42 of the Part-A of the Annexure –II i.e. price Bid	Role carpets- Unit or quantity to be confirmed		
3	Serial No. 43 of Page No. 42 of the Part-A of the Annexure –II i.e. price Bid	Roller Blinds- Unit or quantity to be confirmed		
4	Serial No. 47 of Page No. 45 of the Part-A of the Annexure –II i.e. price Bid	Signage's- Size & Text		
5	Serial No. 48 of Page No. 45 of the Part-A of the Annexure –II i.e. price Bid	Logos & Images		
6	Serial No. 32 of Page No. 40 of the Part-A of the Annexure –II i.e. price Bid	Dismantling works		
7	Weld mesh opening size			
8	Water proofing treatment for toilet area			
9	Treatment for cracks in the sunken portion to avoid dampness			
10	Layout drawing to be provided			Already attached in the main tender document as Appendix –I &II.
11	Mesh work – Balcony Work place for fixing of mesh for scaffolding purpose			From the balcony the mesh can be fixed.
12	Lead & Lifts of the materials			If required, materials can be shifted through lift after the office hours subject to the approval of the BSNL. If any damages to the lift occurred , the vendor need to rectify the same at his own cost and risk. If the BSNL not agree to use the lift, the vendor has to make their own arrangement.

PART – B (ELECTRICAL WORKS)			
1	PART- B of the Annexure –II (Price Bid)	Whether conduit pipe is steel or PVC?	
	-	Supplying & fixing of MAIN LT PANEL with multi-function digital meter, Dual Source Energy meter with three-line back light LCD type display for voltage, Current, frequency, Power, power factor, kVA, kWh, kVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as directed by the Engineer i/c with communication Port and Class 0.5s accuracy. 3 Nos. CTs of ratio 400/5A of Class 1.0 for measurement. The CT burden shall be 15 VA as directed by the Engineer i/c. (The contractor should install a main LT panel with a digital meter (Dual source) that can measure electricity usage from both the main power supply (EB) and the generator (DG). This setup is essential for accurately recording energy consumption from EB & DG. This panel should have necessary protection device like earth fault relay etc.)	Kindly refer to the Revised Annexure –II (Revised Price Bid (BoQ)) in this corrigendum –I .
3	-	Does prior approval require for light fitting?	Yes. Light samples to be approved by the Engineer i/c

All other points mentioned in the Tender document other than the above Corrigendum will remain the same.

REVISED ANNEXURE-II: (Revised PRICE BID - BOQ)

PART – A – CIVIL WORK

S. No	Description	Quantity	Unit	Rate per unit (in Rs.)	Total Amount (in Rs.)
1	Providing and laying autoclaved aerated cement blocks masonry with 150mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with DPC band at sill level and lintel level with approved block laying polymer modified adhesive mortar including necessary surface preparation all etc. complete as per the standard specifications and the direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).For walls and Platform.	235.01	Cum		
2	Providing and laying DPC 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources) including necessary surface preparation etc complete as per the standard specifications and the direction of Engineer -in- charge.	63	Sq.m		
3	Providing, hoisting and fixing precast reinforced cement concrete in lintels, beams, bressumers and slabs including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) including necessary surface preparation etc complete as per the standard specifications and the direction of Engineer -in- charge.	16	Cu.m		

4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above 5th & 6th Floor level. Thermo-Mechanically Treated bars of grade Fe-500D or more including necessary surface preparation etc complete as per the standard specifications and the direction of Engineer -in- charge.	1620	Kg		
5	CEMENT PLASTER (IN FINE SAND): 12 mm thick cement plaster of mix: 1:6 (1 cement: 6 fine sand) including necessary surface preparation etc complete as per the standard specifications and the direction of Engineer -in- charge. (Including new wall plastering and repair & maintenance works).	2640	Sq.m		
6	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, 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. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, levelling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt / Antiskid finish of size of Tile 600 x 600 mm. (Gents Rest Room, Ladies Rest Room, DAP Rest Room) including necessary surface preparation etc. complete as per the standard specifications and the direction of Engineer -in- charge. (Tiles pattern of color to be approved by the institute)	170	Sq.m		

7	<p>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 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 sq.m, including pointing in white cement mixed with pigment of matching shade including necessary surface preparation etc. complete as per the standard specifications and the direction of Engineer -in- charge. (Gents Rest Room, Ladies Rest Room, DAP Rest Room) (Tiles pattern of color to be approved by the institute)</p>	420	Sq.m		
8	<p>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments including necessary surface preparation etc complete as per the standard specifications and the direction of Engineer -in- charge. . Size of Tile 600x600 mm (Dining + Common area) (Tiles pattern of color to be approved by the institute)</p>	250	Sq.m		
9	<p>Wall & Ceiling painting with one coat of putty finishing and one coat of water thinnable cement primer and two coats premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including necessary surface</p>	5385.01	Sq.m		

	preparation etc complete as per the standard specifications and the direction of Engineer -in- charge. (Color to approved by the institute)				
10	Providing wood work in frames of doors and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length. The wood frame will be made of Second class teak wood. (All cabin rooms, Classrooms, Gents Rest Room, Ladies Rest Room, DAP Rest Room) etc., complete as per the standard specifications and the direction of Engineer -in- charge.	2.71	Cu.m		
11	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched 1mm thick teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws. There should be see through glass panels of 6"x 12".(All cabin rooms, Classrooms, Gents Rest Room, Ladies Rest Room, DAP Rest Room)	150	Sq.m		
12	Providing and fixing white vitreous china flat back lipped front urinal basin of 430x260x350 mm sizes with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern, etc., complete as per the standard specifications and the direction of Engineer -in- charge.	26	Nos.		

13	Providing and fixing white vitreous china extended wall mounting European water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc. complete as per the standard specifications and the direction of Engineer -in- charge.	20	Nos.		
14	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI Marked etc. complete as per the standard specifications and the direction of Engineer -in- charge.	24	Nos.		
15	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing: Rectangular shape 453x357 mm etc complete as per the standard specifications and the direction of Engineer -in- charge.	24	Nos.		
16	Providing and fixing aluminium work for partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless	2400	Kg.		

	steel screws, etc complete as per the standard specifications and the direction of Engineer -in- charge. (Glazing to be paid for separately) : Powder coated aluminium (minimum thickness of powder coating 50 micron) {Faculty cabin & Meeting room}				
17	Providing and fixing glazing in partitions with EPDM rubber / neoprene gasket etc complete as per the standard specifications and the direction of Engineer -in- charge. With Toughened glass 12 mm thickness) {Faculty cabin & Meeting room}	100	Sq.m.		
18	Providing and fixing Pre -laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked, to frame, backing or studding with screws etc. complete. Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587etc complete as per the standard specifications and the direction of Engineer -in- charge(for urinal partitions)	15	Sq.m		
19	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 etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 75 mm nominal dia Pipes	108	Rm		
20	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	108	Rm		

	pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 63 mm nominal dia Pipes				
21	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 etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 50 mm nominal dia Pipes	108	Rm		
22	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 etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 40 mm nominal dia Pipes.	50	Rm		
23	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	50	Rm		

	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 etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 32 mm nominal dia Pipes				
24	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 etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 25 mm nominal dia Pipes	50	Rm		
25	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 etc complete as per the standard specifications and the direction of Engineer -in- charge. .Concealed work, including cutting chases and making good the walls etc. 20 mm nominal dia Pipes	36	Rm		
26	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and	2	Nos.		

	brackets, cutting and making good the walls wherever required: Kitchen sink with drain board 510x1040 mm bowl depth 250 mm including one number of 15mm dia SS sink tap, etc. complete as per the standard specifications and the direction of Engineer -in- charge.				
27	Providing and fixing bright finished SS butt hinges with necessary screws etc. complete: 100x85x5.5 mm (heavy type) etc complete as per the standard specifications and the direction of Engineer -in- charge.	72	Nos.		
28	Providing and fixing bright finished SS tower bolts (barrel type) with necessary screws etc. complete: 150x10 mm etc complete as per the standard specifications and the direction of Engineer -in- charge.	24	Nos.		
29	Providing and fixing bright finished SS door Aldrop/Latch with necessary screws etc. complete: 250x16x5 mm etc. complete as per the standard specifications and the direction of Engineer -in- charge.	48	Nos.		
30	Providing and fixing hard drawn steel wire fabric of size 50 x25 mm mesh with MS angle/flat frames to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & painting etc., complete as per the standard specifications and the direction of Engineer -in- charge. (5th floor balcony).	309	Sq.m		
31	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups,	18	Sq.m		

	including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red etc complete as per the standard specifications and the direction of Engineer -in- charge.				
32	Dismantling of a) Brickwork, b) existing pipeline, c) flooring at toilets etc. complete as per site condition and as per the standard specifications and the direction of Engineer -in- charge including safe disposal of the same under contractor's scope. The work is also inclusive of removal of clamps, angle fastener etc., fixed for electrical pipes in wall and the ceiling and all the works related to execution of civil and electrical works. All the dismantled items to be disposed outside the building safely, under the scope of the vendor.	1 Job	LS		
33	Dismantling of existing aluminium sliding window including shifting and handover to the store located at BSNL building, etc complete as per the standard specifications and the direction of Engineer -in- charge.	100	Sq.m		
34	Providing and fixing of unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC Soil water pipes including dismantling of floor and making good the same. 110mm dia pipes etc complete as per the standard specifications and the direction of Engineer -in- charge.	120	Rm		
35	Providing and fixing of unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC Soil water pipes including dismantling of floor and making good the same. 75mm dia pipes etc complete as per the standard specifications and the direction of Engineer -in- charge.	70	Rm		
36	Providing & fixing Parryware make Stainless Steel Two Way Bib cock of 15mm size (Gents Rest Room, Ladies Rest Room	20	Nos.		

	& DAP Rest Room) etc complete as per the standard specifications and the direction of Engineer -in- charge.				
37	Providing & fixing Parryware make Stainless steel UNO Health faucet of 15mm size (Gents Rest Room, Ladies Rest Room & DAP Rest Room) etc complete as per the standard specifications and the direction of Engineer -in- charge.	20	Nos.		
38	Providing & fixing Parryware Stainless Steel Long body bib cock of 15mm size (Pantry & Drinking water) etc complete as per the standard specifications and the direction of Engineer -in- charge.	10	Nos.		
39	Supplying & filling in flooring with broken brick jelly 40mm gauge) including lifting, placing, consolidation etc complete as per the standard specifications and the direction of Engineer -in- charge.	60	Cu.m		
40	Refitting of existing glass partition: Removing, transportation of toughened glass partition with toughened glass door from the existing IIM Chennai campus located at Ekkantuthangal and fixing same in the position at new premises at kk nagar, Chennai (5th Floor), etc complete as per the standard specifications and the direction of Engineer -in- charge(approx 25 sqm).	1	LS		
41	Role carpet - Supplying and fixing of synthetic carpet of 6mm thickness on Horizontal and vertical surface of approved make, Design and Colour including necessary Accessories required to fix/paste as per the instructions of the Engineer i/c. The rates shall include supply and fixing of SS 'L' clamps on vertical and horizontal step joints, on the corners, fluorescent reflective tapes, edge tape, as required, adhesive, men, material, transportation, etc. all complete. (For all area excluding the Dining room, Electrical, server room, Restroom and	1800	Sqm		

	Lobby etc., complete as per the standard specifications and the direction of Engineer -in- charge.)				
42	Profile skirting: Supply and installation of branded 10 mm thick Cement particle board for profile skirting of 4" ht with smooth top finish fixed to the wall after laying the carpet etc., complete as per the standard specifications and the direction of Engineer -in- charge. .	1000	Rm		
43	Roller blinds - Blackout: Any branded manufacturer Black out - light grey roller blinds supply & installation with PVC pelmet. (8'X4'ht) - 48 no's etc., complete as per the standard specifications and the direction of Engineer -in- charge.	200	Sq.m		
44	Grid False Ceiling: Supply and installation of Any branded manufacturer Acoustic 2'x2' shillout grid false ceiling including providing and fixing of heavy duty channels frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long	1000	sqm		

	G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval and high acoustical absorption grid tile ceiling of 8-9 mm thick. Either Armstrong or any equivalent brand with Tgrid channel size 15mm & Sant finish microlook acoustic tile or equivalent tile can be used.(Lobby, Ac Panel around, Meeting room)				
45	Providing and fixing of gypsum board false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of	400	Sqm		

	gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks).(Lobby, Ac Panel around, Meeting room)				
46	False ceiling Painting: Supply & application of 1 coat putty, 1 coat primer, 2 coats paint. (Lobby, Ac Panel around, Meeting room) including necessary surface preparation etc complete as per the standard specifications and the direction of Engineer -in- charge.	400	Sqm		
47	Signages: The size is 45cmx10cmx1mm thick S.S sheet, engraving & colored letters etc complete as per the standard specifications and the direction of Engineer -in- charge.	40	Nos.		
48	Logos in every class room: Logo vinyl sticker on 5mm clear acrylic sheet of various sizes, fitting with SS studs with a gap of 1" from the wall etc., complete as per the standard specifications and the direction of Engineer -in- charge. Image/Content will be given during execution.	10	Sqm.		
49	Writing boards: Supply and installation of ceramic boards with All frame hanged to	50	Sqm		

	the wall etc. complete as per the standard specifications and the direction of Engineer -in- charge.				
50	Pressure grouting Work: Providing and injecting cement slurry grouting by fixing 10 to 20 mm dia. suitable nozzle of suitable length, over the surface of RCC in the toilet area, etc., complete as per the standard/CPWD specifications.	50	Pts		
51	Providing and laying membrane type water proofing treatment in toilets by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry, etc., complete as per the standard/CPWD specifications.	200	sqm		
Total Amount including Supply, lifting, laying, Fixing, Labour and Packing, Loading, Unloading and freight and Excluding GST for PART - A					

PART –B Electrical Works

S. No	Description	Unit	Qty	Rate per Unit(in Rs.)	Amount (in Rs.)
WIRING & INSTALLATIONS					
1	Supply, Wiring, Installation for light point/fan point/exhaust fan point/point with 1.5sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit with modular switch, modular plate, suitable GI box/PVC Surface box with Conduit pipe and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as directed by the Engineer i/c (All the conduit pipes which are to be taken on wall, other than concrete structure to be concealed)	Pt	224		
2	Supply, Wiring, Installation for twin light point/fan point/exhaust fan point/with 1.5sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit with 2 way modular switch, modular plate, suitable GI box/PVC Surface box with conduit pipe and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as directed by the Engineer i/c (All the conduit pipes which are to be taken on wall, other than concrete structure to be concealed)	Pt	4		
3	Supply, Wiring, Installation for group controlled (Looped) light point/fan point/exhaust fan point(without independent switch etc.) with 1.5sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit and earthing 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as directed by the Engineer i/c (All the conduit pipes which are to be taken on wall, other than concrete structure to be concealed)	pt	130		
4	Supplying and fixing suitable size GI box/PVC Surface box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6A modular socket outlet and 5/6A modular switch connections etc. as required.(GI Box to be concealed as per site condition)	Each	100		

5	Supplying and fixing suitable size GI box/PVC Surface box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16A modular socket outlet and 15/16A modular switch connections etc. as required.(GI Box to be concealed as per site condition)	Each	140		
6	Supplying and fixing suitable size GI box/PVC Surface box with modular plate and cover in front on surface or in recess, including providing and fixing 2 Nos 3 pin 5/6A modular socket outlet and 2 Nos. 5/6A modular switch connections etc. as required.(GI Box to be concealed as per site condition)	Each	215		
7	Supplying and fixing suitable size GI box/PVC Surface box with modular plate and cover in front on surface or in recess, including providing and fixing 25A modular socket outlet and 25 modular SP MCB, "C" curve including connections, paintings etc. as required.(GI Box to be concealed as per site condition)	Each	30		
8	Supplying & Wiring for light/power plug with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit along with 1x4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as directed by the Engineer i/c	Mtr	450		
9	Supplying & Wiring for light/power plug with 4x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit along with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as directed by the Engineer i/c	Mtr	300		
10	Supplying & Wiring for Circuit/Sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel/PVC conduit as required				
a	2x1.5sq.mm + 1x1.5 sq.mm earth wire	Mtr	100		
b	2x2.5sq.mm + 1x2.5 sq.mm earth wire	Mtr	950		
c	2x4.0 sq.mm + 1x4.0 sq.mm earth wire	Mtr	370		
d	4x4.0 sq.mm + 2x4.0 sq.mm earth wire	Mtr	350		

e	4x6.0 sq.mm + 2x6.0 sq.mm earth wire	Mtr	130		
f	4x10.0 sq.mm + 2x6.0 sq.mm earth wire	Mtr	100		
g	4x16.0 sq.mm + 2x6.0 sq.mm earth wire	Mtr	60		
11	Supply, installation, testing and commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with brush less direct current motor, class of insulation: B, 3 nos. blades, 30cm long down rod, 2 Nos canopies, shackle kit, U- type fan hook, Bolt, Nut, safety rope, copper winding, power factor not less than 0.9, service value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min, 350 RPM (tolerance as per IS:374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts washers, temperature rise = 75 degree C (max), insulation resistance more than 2 mega ohm, suitable for 230V, 50 Hz, single phase AC supply, earthing etc. as complete as directed by the Engineer i/c	Each	12		
12	Installation, testing, commissioning of ceiling fan, including U- type fan hook, Bolt, Nut, wiring the down rods of standard length up to 30cm with 1.5 sq.mm FRLS PVC insulated copper conductor, single core cable etc.as directed by the Engineer i/c .	Each	12		
13	Supplying and fixing of two module stepped type electronic fan regulator on the existing modular plate switch plate switch box including connection but excluding modular plate etc. as required.	Each	12		
14	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.				
15	450mm sweep	Each	9		
16	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a	Upto 450 mm sweep	Each	9		

17	Supplying and fixing 3 pin, 5A ceiling rose on the existing junction box/wooden block including connections etc as required.	Each	40		
18	Installation, testing, commissioning of wall bracket/ceiling fittings of all sizes and shapes containing up to two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as directed by the Engineer i/c .	Each	330		
19	Supplying and fixing following size/ modules, GI box/PVC Surface box along with modular base & cover plate for modular switches in recess as required.(GI Box shall be concealed as per site condition)				
a	1 or 2 Module	Each	50		
b	3 Module	Each	10		
c	4 Module	Each	5		
d	6 Module	Each	5		
e	8 Module	Each	5		
20	Supplying and fixing of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as directed by the Engineer i/c.				
a	75 mm x 75 mm x 60 mm deep	Each	17		
b	150 mm x 75 mm x 60 mm deep	Each	12		
c	200 mm x 150 mm x 60 mm deep	Each	10		
d	250 mm x 300 mm x 60 mm deep	Each	10		
21	Supplying and fixing modular blanking plate on the existing modular plate and switch box excluding modular plates directed by the Engineer i/c .	Each	50		
22	Supplying of recess mounting non integral type 42-55 W LED w luminaire comprising of pressure die-cast/extruded aluminium housing, with spring loaded false ceiling, Power LEDs with CCT 6500-degree K, CRI> 70%. efficacy > 100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with antiglare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition .(Light fitting to be approved by the institute)				

a	LED modular down light 2'x2' /1'x4' 42-55 W	Each	60		
23	Supplying of 4 feet -PVC Batten with integrated LED tube 15 -18W. W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. (Light fitting to be approved by the institute)				
a	LED light fitting 1 x 4' - 20/22 W	Each	40		
24	Supply of round/square recess/surface mounted rolling type LED Down light with 15 -18W GU 10 LED Lamp Rib Fabricated from die-cast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition (Light fitting to be approved by the institute)				
a	LED square or round down light 15 -18W	Each	150		
25	Supplying and fixing modular switch/socket on the existing modular plate and switch box including internal connections but excluding modular plate etc.as directed by the Engineer i/c.				
a	5/6A switch	Each	18		
b	3 pin 5/6A socket outlet	Each	18		
26	Supplying and fixing of following sizes of medium class PVC(2.0 mm)thickness conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(All the conduit pipes which are to be taken on wall/floors, other than concrete structure shall be concealed)				
a	20mm	Mtr	50		
b	25mm	Mtr	700		
c	32mm	Mtr	300		
27	Supply, Installation, testing and commissioning of LED ceiling mounted Track lights with 4000K, 100 lm/w. etc. complete as per standard specification .	Each	24		
PANELS & DISTRBUTION BOARDS					
28	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as directed by the Engineer i/c (without MCB/RCCB/Isolator)				
a	6 way Double door	Each	2		

29	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as directed by the Engineer i/c (without MCB/RCCB/Isolator)				
a	6 way (4+18) Double Door	Each	8		
30	Supplying and fixing of following ways surface/recess mounting, vertical type, 415V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as directed by the Engineer i/c. (Note: Vertical type MCB TPDB is normally used where 3 Phase outlets are required.)				
a	12 way (4+36) Double door	Each	2		
30	Supplying and fixing 5A to 32A rating, 240/415V, 10kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as directed by the Engineer i/c.				
a	Single pole	Each	190		
b	Double pole	Each	32		
c	Triple pole	Each	16		
d	Triple pole and neutral	Each	20		
31	Supplying and fixing Four pole, 240/415V, 10kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as directed by the Engineer i/c.				
a	63A Four pole MCB	Each	6		
b	100A Four pole MCB	Each	2		
c	125A Four pole MCB	Each	2		
32	Supplying and fixing following rating, double pole, (single phase and neutral), 240V, Residual current circuit breaker (RCCB) having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc as directed by the Engineer i/c .				
a	25A	Each	6		
b	40A	Each	6		
c	63A	Each	6		
33	Supplying and fixing following rating, double pole, (single phase and neutral), 415V, Residual current circuit breaker (RCCB) having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as directed by the Engineer i/c.				
a	40A	Each	1		

b	63A	Each	2		
34	Supplying and fixing cable end box (Loose wire box) suitable for following single and neutral, sheet steel, MCB distribution board, 240V on surface/recess, complete with testing and commissioning etc. as directed by the Engineer i/c.				
a	10 way Double door SPN MCB DB	Each	7		
35	Supplying and installing following size of perforated painted with powder coating M.S. Cable trays with perforation not more than 17.5% in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as directed by the Engineer i/c .				
a	150mm width x 50mm depth x 1.6mm thickness	Mtr	150		
b	300mm width x 50mm depth x 1.6mm thickness	Mtr	700		
c	450mm width x 50mm depth x 2.0mm thickness	Mtr	240		
36	As per IS-3043 Earth pit excavation, electrode installation with common salt/ charcoal/ bentonite for chemical earthing (to achieve the required earth resistance value), inspection chamber with removable CI / RCC covers inclusive of all civil works. The distance between two earth electrodes should be 3000 mm. While measuring the earth resistance, it should be possible to easily disconnect the bolts with hand tools. Earth pits permanent identification marks are to be provided both inside and outside. Dedicated earth pits electrodes connecting insulated conductors should run within UG conduits. All the welded joints should be coated with bitumen to avoid rusting. All the fasteners required like PVC pipes, bolts, nuts, locking serrated/ flat/spring washers are included in the scope. The vendor shall include the cost of the equipment related to earth pit inclusive of necessary civil works, as required. The vendor shall provide the Earthing calculations. Earthing as above but maintenance free earth electrode with chemical treatment 3mtr. long "Ashlok" CAT NO. T39 / Alltec / UES make or equivalent is to be used, including boring of hole upto 6 mtrs. in all types of strataas directed by the Engineer i/c .	Each	2		

37	Providing and fixing 25mm x 5mm G.I strip on surface or in recess for connections etc as required.	Mtr	26		
38	Providing and fixing 25mm x 5mm Copper strip on surface or in recess for connections etc as required.	Mtr	50		
39	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for connections etc as required.	Mtr	20		
40	Providing and fixing 6 SWG dia Copper wire on surface or in recess for connections etc as required.	Mtr	20		
41	Design, Supply, Testing at works, transportation to site, erection , testing at site, Installation, testing at site , commissioning of following panels, suitable for 440 volts, 3phase 4wire system fabricated from 14/16 SWG CRCA sheet steel enclosure, single fronted, front hinged, rear removable, extendable on both sides, , dust and vermin proof, cubical type, free standing,/ wall mounted, undrilled gland plates at top and bottom, complete with internal wiring, ferruls, name plates powder coating etc, confirming to the form 3B for MCB and form 4A for MCCB Construction, with and comply with IP42 as per technical specification for panel.				
a	Supplying & fixing of MAIN LT PANEL with Digital Function Metre with three-line back light LCD type display for voltage, Current, frequency, Power, power factor, kVA, kWh, kVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as directed by the Engineer i/c with communication Port and Class 0.5s accuracy. 3 Nos. CTs of ratio 400/5A of Class 1.0 for measurement. The CT burden shall be 15 VA as directed by the Engineer i/c. (The contractor should install a main LT panel with a digital meter (DFM) that can measure electricity usage from both the main power supply (EB) and the generator (DG). This setup is essential for accurately recording energy consumption from EB & DG. (If any control signal is required that can be taken from existing EB & DG panel available at the site. It should be done with the prior approval of the Engineer-in-charge) . This panel should have necessary protection device like earth fault relay etc.)	Each	1		

42	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel making connections etc. as directed by the Engineer i/c (With reference to S. No 41)				
a	400 A, 50kA, FP MCCB (Incomer)	Each	1		
b	200 A, 36kA, FP MCCB (Outgoing)	Each	1		
c	32 A TP&N MCCB	Each	3		
d	63 A TP&N MCCB	Each	4		
43	Design, Supply, Testing at works, transportation to site, erection , testing at site, Installation, testing at site , commissioning of following panels, suitable for 440 volts, 3phase 4wire system fabricated from 14/16 SWG CRCA sheet steel enclosure, single fronted, front hinged, rear removable, extendable on both sides, , dust and vermin proof, cubical type, free standing,/ wall mounted, undrilled gland plates at top and bottom, complete with internal wiring, ferruls, name plates powder coating etc., confirming to the form 3B for MCB and form 4A for MCCB Construction, with and comply with IP42 as per technical specification for panel.				
a	Supplying & fixing of Main AC Panel with multi-function digital meter with three-line back light LCD type display for voltage, Current, frequency, Power, power factor, kVA, kWh, kVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as directed by the Engineer i/c with communication Port and Class 0.5s accuracy. 3 Nos. CTs of ratio 200/5A of Class 1.0 for measurement. The CT burden shall be 15 VA as directed by the Engineer i/c .	Each	1		
44	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel making connections etc. as directed by the Engineer i/c.				
a	200 A, 36kA, FP MCCB (Incomer)	Each	1		
b	32 A TP&N MCCB (Outgoing)	Each	2		
c	63 A TP&N MCCB (Outgoing)	Each	6		
45	Supplying of service connection accessories LT 1100V PVC Aluminium armoured underground cable with ISI mark.				
a	3.5C x 25 sq.mm Al. Armoured XLPE UG cable	Mtr	25		
b	3.5C x 35 sq.mm Al. Armoured XLPE UG cable	Mtr	300		
c	3.5C x 185 sq.mm Al. Armoured XLPE UG cable	Mtr	30		

d	3.5C x 300 sq.mm. PVC Armoured XLPE UG cable	Mtr	70		
46	Laying and fixing of one number of PVC insulated and PVC sheather/XLPE power cable 1.1kV grade of following size on cable tray as required.				
a	Upto 35 sq.mm (clamped with 1mm thick saddle)	Mtr	325		
b	Above 95 sq.mm and upto 185 sq.mm (clamped in 40 x 3mm MS flat clamp)	Mtr	30		
c	Above 185 sq.mm and upto 400 sq.mm (clamped in 40 x 3mm MS flat clamp)	Mtr	100		
47	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1kV grade as required.				
a	3.5 x 25 sq.mm	Each	4		
b	3.5 x 35 sq.mm	Each	8		
c	3.5 x 185 sq.mm	Each	2		
d	3.5 x 300 sq.mm	Each	2		
48	Supplying and fixing TP sheet steel enclosure on surface/recess along with 16/25/32 A 415V 'C' curve TPMCB complete with connections, testing and commissioning etc. as required.	Each	3		
49	Providing and fixing M.V danger notice plate of 200mm x 150mm made of mild steel at least 2mm thick and vitreous enamelled white on both side and with inscriptions in single red color on front side as directed by the Engineer i/c.	Each	3		
50	Supplying and fixing of 300mA 100A/125A RCCB with Outdoor metal enclosed on the surface or in recess with chained metal cover for the socket outlet and complete with testing and commissioning etc. as directed by the Engineer i/c.	Each	4		

51	Refitting of existing 10 KVA UPS: Removing, Re-Installation, Commissioning, testing , transportation of Existing 10 KVA UPS with battery from the existing IIM campus located at Ekkantuthangal and fixing same in the position at new premises at KK Nagar, Chennai etc., complete as the direction of Engineer -in-charge.	LS	1		
FIRE DETECTION & ALARM SYSTEM					
52	Supplying, installation, testing & commissioning of smoke detector with built-in LED and mounting base complete with all connections etc. as required.	Each	6		
53	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required.	Each	3		
54	Supplying, installation, testing & commissioning of fire alarm sounder with facility to make announcement, mounted in MS box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. as required.	Each	2		
55	Supplying, installation, testing & commissioning sector panel suitable for following zones, complete with visual indications for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS:2189 with mimic diagram for all area/zone covered, complete with all connections, interconnections etc. as required.				
a	6 zone	Each	1		
56	Supplying & laying of 2x1.5 sq.mm fire survival armoured cable, 600/1000v rated with annealed copper conductor having glass mica fire barrier tape covered by an extruded layer of cross linkable ethylene propylene rubber (EPR) insulation and LSZH inner bedding steel wire armouring & LSZH outer sheath complete as required.	Mtr	80		
IT wiring					
57	SITC of 15U Wall Mount Rack 650mm depth for installing the access switches. One tray	Nos	1		

	should be provided. Cable manager to be provided, Power manager to be provided. At least 4 Fans to be provided. In addition to this new rack, one existing rack also to be installed which is available in the old campus. The installation cost should be included here.				
58	Supply, installation, testing and commissioning of following type Patch panel in existing mounting racks and all accessories etc. required 24 port 10/100/1000 Ethernet patch panel, All the access point connections (from both floors) should be terminated on a single separate patch panel. Makes: Preferred make: AFL, Molex, Belden, AMP-Systemax,	Nos	6		
59	SITC of GI Box and Faceplate. Dual (two module) faceplates to be provided. Should be compatible with the above IO ports. GI Box should be concealed	Nos	80		
60	Supplying and fixing of modular RJ 45/IO Outlet Cat 6 on existing modular face plate. Should be compatible with the faceplate. Makes: Preferred make: AFL, Molex, Belden, AMP-Systemax,	Nos	100		
61	Supplying, laying and fluke testing of UTP 4 pair CAT 6 4x2x23 AWG, Cu, solid LAN cable as required. Note: Preferably different colours for Networking, and CCTV (including everything). Preferred make: AFL, Molex, Belden, AMP-Systemax,	Mtr	5500		
62	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (For AV and IT cabling) .(All the conduit pipes which are to be taken on wall/floors, other than concrete structure shall be concealed)				
a	20mm	Mtr	150		
b	25mm	Mtr	1300		
c	32mm (to lay HDMI Cable hence wide round bend to be provided as needed)	Mtr	300		
Total Amount including Supply, lifting, laying, Fixing, Labour and Packing, Loading, Unloading, Transport and freight and Excluding GST for PART - B					
Total Amount including Supply, lifting, laying, Fixing, Labour and Packing, Loading, Unloading, Transport and freight and Excluding GST (PART-A +PART - B)					

