

इंडियन बैंक



Indian Bank

इलाहाबाद

ALLAHABAD

E- TENDER DOCUMENT FOR
INTERIOR-FURNISHING, ELECTRICAL & AC WORKS FOR ESTABLISHMENT OF STAFF
TRAINING COLLEGE
OF
INDIAN BANK BUILDING
17, PARLIAMENT STREET
NEW DELHI-110001.
Through Electronic Mode Only

(FINANCIAL BID)

IB/FGM/TENDER/01/2023-24

Date: 20.01.2024

ARCHITECTS

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FINANCIAL BID FOR CIVIL-INTERIOR, ELECTRICAL & HVAC WORKS FOR INDIAN BANK STC PARLIAMENT STREET BUILDING, IIIrd FLOOR, NEW DELHI.					
S. No.	Description	Unit	Qty.	Rate	Amount
I					
1A	DEMOLITION WORKS				
1	Dismantling/Demolishing removing brick work, wall / fixtures, electrical wiring, cabling, switch sockets, loose furniture like tables, partitions, wooden storages, wall paneling, false ceiling, light fixtures etc. to accommodate the proposed new layout and disposal of unserviceable material to a place permitted by the municipal authorities including making good any damages complete. No unserviceable dismantled material will be allowed to be accumulated at site. Decision of the architect/ employer as to what constitute unserviceable material will be final and binding. The amount should include cost for carrying out any other unforeseen items required for the proper execution of the work. All complete as per approval and instructions of the Architect/ employer.	LS	1		
1.0	CIVIL WORKS				
1.1	BRICK WORK				
A	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	Cement mortar 1:3 (1 cement :3 coarse sand)	Sqm	125		
1.2	PLASTER				
	Plastering of walls in 12mm th. smooth cement plaster on existing block masonry, RCC columns, RCC Walls, of any profile, in 1:4 cement mortar, (1unit- cement, 4unit- fine screened sand), incl. of hacking on column/wall, making surface wet before applying plaster and proper curing after plaster etc complete. all plaster works will have provision of chicken mesh with more than 2" overlap between RCC member and wall so as to avoid cracks due to thermal expansion, chicken mesh to be also provided on all chased surfaces such as ,conduit chasing , pipe line chasing etc. and then chased area to be replastered . Cost to be inclusive of all including scaffolding at all heights .	Sqm	251		
1.3	R.C.C				
	Providing, laying, compacting and laying in position RCC of the 1:1.5:3 cement concrete for Toilet, Kitchen, Pantry counter & for Lintel of doors, strong room RCC walls, etc. in brick works	Cum	2.0		
1.4	P.C.C				
	Providing and laying plain cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 hard stone aggregate 20 mm nominal size) under floors. For raceways, electrical conduits in floors etc. over existing R.C.C Slab, necessary shuttering, curing, compacting, etc Complete & all to be included in cost & quoted rate shall for all levels of floor & height.	Curs	54.00		
	For raceways, electrical conduits in floors etc.				
Total to be carried over the summary					
2.0	FLOORING / CLADDING WORKS				
Note: (Quoted Rates are for all heights, depths, levels, leads and lifts and for all design and pattern shown in drawings)					
	Stones shall be procured in slabs of varying sizes quoted rates also to include cutting of stones as per required sizes from slab. Note: Actual finished area to be measured and paid for.				
	Note :- Vendor Shall submit & get approved all type of stone/Tiles sample by Architect before execution.				
	Make Vitrified Tiles: HR Johnson / Kajaria / Nitco				
	Make Ceramic Tiles: HR Johnson / Kajaria / Nitco				
2.1	Providing and laying polished granite stone in choice shade laid in floors and counter tops over 20mm (average) thick base of cement mortar 1:4 (1 cement :4 coarse sand) followed by laying and fixing with highly polymer single component adhesive of LATICRETE / BAL ENDURA or equivalent with minimum 6 mm thickness and jointed with white cement slurry mixed with matching pigment, including rubbing and polishing and curing etc. complete at all levels. (Sample of stones shall be got approved by Engineer-in-Charge).				
a	Granite Base cost : 250 Rs Sq.ft leaving taxes and freight and loading un-loading charges (For Pantry counter)	Sqm	12.0		
b	item same as above in skirting, risers of steps, Ledge of pantry counter, toilet counter etc., on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) with necessary groove, joints chamfer, all complete as drawings to be provided by the architect/as per instruction of site in charge.	Sqm	3.0		
c	For making nosing (edge moulding, half round/full round) in required shape treads of steps, Toilet/Pantry Counter etc.	Rmt	22		



2.2	Tile Flooring				
	Providing and laying 10-12mm thick Vitrified tiles of Kajaria / Johnson / Nitco make of approved shade of size as per drawing in floors over 20mm (average) base of cement mortar 1:4 (1 cement :4 coarse sand) required thickness to match finished floor level mentioned and to match the neighboring floor finish and jointed with epoxy grout of approved shade from Bal Endure or equivalent brand all complete as directed complete. Rate to include forming pattern in the flooring like border, skirting, cut tiles, Protecting of the tile till hand over date by POP., etc all complete as per detailed architectural drawing.				
a	same as above With Vitrified Tiles of size 800x800 mm Base rate of Vitrified tiles Rs. 800/- per Sqm. leaving taxes and freight and loading un loading charges)	sqm.	420.07		
b	Providing and laying Ceramic glazed floor tiles of size 600x600 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.				
	For Toilet, Hand wash area and Kitchen Area.	sqm	97		
2.3	Tile Dado				
	Providing and Laying tile dado of approved make, shade and pattern as approved by Architect. with epoxy grouting ,making grooves using 2/ 3mm PVC spacers and epoxy grouted with tile grout of matching shade of tile including cutting, grouting the joints with epoxy grout of endure or equivalent and pigment to match the shade of tile including cutting, etc. complete in all respects as per pattern and drawing.				
a	With Tile (Basic rate of tiles Rs. 90/- Sft leaving taxes and freight and loading un loading charges) for Toilet & pantry walls	sqm.	217		
	Total to be carried over the summary				
3.0	FINISHING WORKS				
Notes:	Painting rates to include cost of covering/ protecting all finishing materials including switches, lighting fixtures, AC equipment etc.				
	Applying painters putty & scrapping the surface and repeating the process as many times as is required to achieve a thoroughly smooth surface for partitions paneling and walls				
3.1	POP punning				
	Providing and applying plaster of paris (super fine quality) punning with minimum thickness of 6mm and finish the surface smooth in line and also making groove, level to the entire satisfaction of Architect including scraping and hacking the existing finished surfaces, scaffolding etc. complete as per drawing.	sqm	313		
3.2	Plastic Acrylic Emulsion paint				
	Providing and applying three coats of pre-approved Plastic acrylic emulsion paint to walls, partitions etc. including surface preparation with two coats of putty, primer and sanding all complete. With the necessary drying periods for each coat. The final finish should be of a uniform and neat finish to the satisfaction of the Architect. Cost to be include for all heifit and surfaces.(Low VOC contain paint) Make: ICI DULUX ,Asian Paints	sqm.	213		
3.3	TEXTURE PAINT				
	Wall painting with Texture paint interior grade of Unitle make or approved equivalent of approved shade and quality (2 or more coats) on new work to give an even shade including preparation of surface complete as directed. Make: Spectrum/Unitle/ pidilite/	Sqm	110		
	Base Rate 80 Rs/Sq.Ft leaving taxes and transportation charges.				
	Total to be carried over the summary				



4.0	MISCELLANEOUS					
4.1	BLINDS					
4.1.1	Roller Blinds- Normal					
	Providing & fixing roller blinds comprising of polymer coated fibre fabric with minimum openness factor of 3% as per AS standards. The fabric shall be fire retardant and have high heat reflection ratios. The roller mechanism shall be a moulded unit made from engineering grade plastic polymer with steel spring support. The fabric shall be finished on the sides with edge tape duly welded for waviness control. The fabric shall be attached to the roller tube with high quality self adhesive tape. Average width of blinds shall be 2000mm and fall of 3000mm with manual operation.					
	Headrail: shall be .812" high x 2" deep extruded aluminum headrail with a wall thickness of 0.045" and painted to coordinate with fabric color.					
	Cord lock: shall be a snap-in design of injection-molded thermoplastic incorporating a metal, free-floating, serrated cord-locking roller.					
	Lift cord: shall be 1.2mm polyester and concealed for a clean appearance. A snap tassel and joiner ball connect to a single Danskord for raising and lowering the shade. Cord, tassel and joiner ball are color coordinated with fabric.					
	Installation: Bracket shall be low profile, hidden snap-in design made of 0.025" zinc-plated spring steel.					
	Bottomrail: shall be 0.375" high x 2" deep extruded aluminum with a wall thickness of 0.045" and painted to coordinate with fabric color.					
	Fabrication Shades shall be fabricated according to specifications and accurate to tolerance established by SWF engineering standards					
a	Basic Cost: Rs 1500 per sm + taxes					
	make: Vista / Hounter Douglas	Sqm	75.25			
	Total to be carried over the summary					
5.0	SANITARY WORKS					
5.1	Providing and Fixing UPVC pipes (medium quality of Astral/Jindal/Tata make complete with fitting or all descriptions, such as tees, elbows, reducers, clamps, suspenders, unions, check nut bends etc., including cutting, threading, chasing and making good the walls, floors RCC work etc., and filling the same with cement concrete 1: 2: 4 (1 cement: 2coarse sand: 4graded stone aggregate 20mm nominal size) after embedding the pipes, including painting the pipes (with desired shade of 2 coats enamel paint over coat of primer, where pipes are exposed) and painting with 2 coats of anticorrosive bitumastic paint including necessary excavation upto the required depth, in trenches and back filling, and covering the pipes with 75mm thick sand all around the pipes, complete, as per detailed specifications and P/F C.I. (R.I.F.) pipes and Making necessary additions to existing C.I., UPVC and G.I pipe work including new work for G.I, UPVC and C.I upto connection in all floors in one pantry and two water cooler points .Including shifting of points, if required, and sealing of joints including waterproofing and P/F all p traps etc complete.					
A	FOR ONE KITCHEN, FOUR TOILETS, ONE HAND WASH AREA POINTS.	LUMPSUM	6			
B	P/F Powder coated Square/Round C.P. jali (chilly make)125 mm on floor trap.	No.	12			
5.2	Providing and fixing kitchen sink with RS CI brackets under granite top, CP brass chain with rubber plugs 40mm C.P. brass waste and 40mm C.P. brass trap with necessary unions complete including painting and fitting, cutting and making good the walls wherever required. a) Stainless steel sink (AMC / Neelkanth/Nirali) with drainboard size 400 x 350 x 152mm.	No.	3			
5.3	Providing and Fixing 15mm nominal bore C.P. brass kitchen mixer with swiveling spout (hot and cold) and deluxe head of approved make. Jaquar of basic price (Rs. 2500/- each)	No.	3			
5.4	Providing and Fixing white glazed vitreous china single trap syphonic pattern having back inlet, supporting Cast iron chair, wall hung water closet with composite Concealed cistern (European type) water closet with seat and lid, with C.P. brass hinges and rubber buffers, adapter, rubber joints fixed to W.C., C.P. brass screwed washers including cutting and making good the walls and floors wherever required and HDPE WC pan connector including jointing with Ivory cement complete in all respects.					
	Wall hung W.C. pan with white plastic seat & lid "Thermoset moulded (bakelite) IS 2548 Part I. Model no. fittings all included (Make: Cera / Hindware / Parryware)	No.	6			
5.5	Providing and fixing white glazed vitreous china wash basin with R.S. or C.I. brackets painted Ivory, C.P. brass chain with rubber plug 32mm C.P. brass waste of standard pattern, 32 mm dia. C.P. brass bottle trap and union 32 mm dia C.P. pipes to wall flange, complete including cutting and making good the walls herever required leaving cost of angle valves. (Make: Cera / Hindware / Parryware)					
	Square wash basin of approx. size 560x440mm for mounting under the counter with 15mm C.P. brass single hole mixing fitting.	No.	14			
5.6	Providing fitting and fixing vitreous china flat back type lipped front urinal basin of with automatic flushing cistern with standard flush pipe and CP brass spreader and brass unions, etc.all complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required. (Make: Cera / Hindware / Parryware)	No.	6			
5.7	Providing fitting and fixing Urinal Divider plate of Toughened glass as per detail, including fitting and fixing all compete as directed. Make Jaquar Model no- IARA : 1810-UC size 900x450x8mm	No.	5			
5.8	Providing And Fixing 15 mm dia C.P. brass angle valves(jaquar make) with C.P. copper connecting pipe union nut C.P. cast brass wall flange.	No.	80			



5.9	Providing and fixing C.P. brass finish toilet paper holder (Jaquar) of approved model complete.	No.	6		
5.10	Providing and fixing C.P. brass health faucet with angle valve complete. (all Jaquar make)	No.	6		
5.11	Providing And Fixing 15mm dia C.P. brass single lever wash basin Mixer for wash basin (all Jaquar make)	No.	14		
5.12	Providing and Fixing liquid Dline soap dispenser in AISI316 SS grade in stain finish. with indicator and brackets fixed to wooden cleats with C.P. brass screws.				
A	Euronics SS soap dispenser (1000 ml to 800 ml)	No.	10		
Total to be carried over the summary					
6.0 FALSE CEILING WORKS					
Note: Quoted Rates are for all heights, scaffolding, depths, levels, leads and lifts and for all design and pattern shown in drawings. Contractor to include the cost of members & all required accessories for installation complete finished ceiling in his quoted rate. Actual finished area to be measured and paid for. Vendor Shall submit & get approved all type of board/Tiles /plank sample by Architect before execution.					
6.1	Modular Grid Ceiling				
	Providing and Fixing of false ceilings at all heights of 600mm x 600mm Grid ceiling tiles with Microlook Edge laid on prelude XL exposed silhouette grid systems with 15mm wide T section flanges colour white. The framework comprise of main runner spaced at 1200mm centers securely fixed to the structural soffit by approved hangers at 1200mm maximum centers. Hangers (GI wire of 4.0mm dia) to be fixed by approved roof plug/ fastener, level adjusters and screws etc. The last hanger at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees (with double stitching) to be interlocked between main runners at 600mm centers to form 1200 x 600 modules. Cut cross tees longer than 600mm to be supported independently.	Sqm	411		
	600mm x 600mm modules to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Perimeter trim to be Armstrong wall angle secured to walls at 450mm maximum centers. The quoted rate shall be inclusive for making opening for light fixtures, diffusers & AC fittings. The quoted rate shall be inclusive of suspenders at all height & extra member required for all openings.				
6.1.1	ARMSTRONG grid system of size 600x600				



6.2	Gypsum False ceiling				
	Providing and fixing 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 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 recomme-nded 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 including the cost of painting and making trap door made of 12 mm thick prelaminated partial board resting/ fixed including all hardware, hard wood lipping etc. complete as per drawing : Knuff Size: 600x600				
6.2.1	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	sqm.	326.8		
6.2.2	12.5 mm thick tapered edge gypsum moisture resistant board (for toilets)	sqm.	100.7		
	Total to be carried over the summary				
7.0	DOOR / WINDOW WORKS				
Note:	Providing and fixing phenol bonded solid core flush door shutters of approved quality and make non decorative type core of block board construction with internal frame of teak wood. Door Frame: Made overall size 60 x 150 mm finished with polish finish as shown in drawing. (Steem beech wood basic cost Rs. 3500.00 per/cft) Note:- for partition frame size - 50 x 100 or as per partitions width. Architraves of overall size 40 x 12 mm fixed to wooden frame both side as shown in drawing.(in teak wood. Ivory cost/phase teak) Including providing & fixing of all hardware & accessories, hinges, door handle, door closer, door stopper, lock, tower bolt, door buffer, making of grooves, providing & applying wood preservative, antitermite proof paint, polish, screws, nails, wooden studs, wooden beading, all necessary fixing arrangement etc complete as per design and drawing, all hardware to be dorma/Hettich or equivalent Make Make for Doors & Fittings Hardware/Locks: Dorma XLC, Kitch, Geze, Hettich, Dorset, Halfaie Hardware: Dorset, Ingersoll Rand, Hettich, Kitch, Door Closers : Dorma Door Locks: DORSET,Golden Door Seals: Enviroseals				
7.1	Laminate Doors : Same as above Description with 30-35 mm thick shutter finish with 1 mm thick laminate (Merino, Durian, Green Lam) in both side of the shutter of approved make & shade and edge polishing / enamel painting, including 200x1800mm vision panel made of 6mm thick non toughened clear Glass with wooden frame duly polished on each shutter complete with all necessary fixing arrangement complete as per shown in drawing and directed by the Architect. Flush Doors: Merino, Green ply industries, Century, Sonear, Alpro, Durian <input type="checkbox"/> Each door to have 4 Nos of 6" railway barring hinges in SS finish <input type="checkbox"/> door shall be with the dorma heavy duty door closer code no ITS96GSR with necessary tower bolts and pivots <input type="checkbox"/> Doors to have cylindrical locks <input type="checkbox"/> Door to have 400mm long 30mm dia SS buff finish handles on both sides. etc all complete as per detailed architectural drawing.				
7.1.1	Item same as above but with overall size of shutter is 750 x 900 x 2100mm with or without vision panel (as per requirement).	Each	22		



7.2	GLASS DOORS				
7.2.1	Providing and fixing Single/Double leaf frameless glass door made of 12 mm thick toughened glass including floor spring, patch fittings, SS top pivot, door handle, lock of approved make (sample approved by the Architect/ Client) and all necessary hardware and fixing arrangement complete as shown in drawing and directed by the Architect. make of Fitting as approved: Kich/Ozone/Neki/Dorma. & Glass Make : Modiguard/Asahi float/ Saint-Gobain/Asahi India with cylindrical locks and kitch handles both sides 30mm dia and 600mm long in buffed SS 304 finish.	sq.m.	17.6		
	Total to be carried over the summary				
8.0	PARTITION/PANELLING WORKS				
8.1	Note: 1. Aluminum frame for Partitions consisting of vertical studs of size 50mm & horizontal members @ 600 x 600 2. At all services out lets such as switch sockets, data out lets, AC grills, etc. Horiz. member of adequate size and section to be provided 3. All full ht. partitions, unless otherwise specified will go up to RCC slab, complete with insulation, Gypsum Board etc. except second skin which can be stopped at false ceiling. Actual Area executed will be paid for. 4. All paneling framework, unless otherwise specified will go up to bottom of true ceiling except the second skin which can be stopped at false ceiling 5. All exposed wooden surfaces in this Item or anywhere else in the BOQ to have melamine polish as per approved sample 6. All wooden framework under this item or anywhere else in the BOQ to be treated with anti termite and fire retardant paint (viper star) 7. All the wooden framework under this Item or anywhere else in the BOQ will have well seasoned wooden members of species as defined in the individual item 8. All Glass to Glass, Glass to wood and Glass to SS joints shall be sealed with Dow Corning Glass sealant with minimum contact surface to be not less than 6mm after cleaning and masking procedure with full tool & tackle. Silicon works to be got done by an approved specialized Agency. 9. All panel like, gypsum board, Ply veneer etc to be fixed to the frame with dry wall screws, jointed and finished with requisite filler, paper tape, finisher and primer suitable for the surface. 10. The outer skin on either side shall have 10mm grooves with aluminum 'L' angle bends fixed to the thickness of board at the edges, neatly finished 11. Partitions to have extra skin of wire mesh. The same will be included in the item only.				
8.1.1	DRY PARTITION	sqm	770.00		
	Providing and fixing Aluminum Frame for Partitions consisting of vertical studs of size 50mm & horizontal members @ 600 x 600 or where ever required as per manufacturer, specs, using 10 gauge 2.59 mm thickness sections, teak wood will be inserted as may be required to fix door frames skirting etc. with all necessary fixing arrangement complete as per shown in drawing and directed by the Architect. Quote only for framework.				
	FRAME WORK FOR FULL HEIGHT PARTITION: Frame work of Partition in Aluminum Section				
8.2	Providing and applying the claddings on the Aluminum framework erected for Solid partitions. Cladding under this section shall be considered to be applied only to one side. Cost for fixing plywood and fixing/cladding laminate/ veneer to be quoted as per case. Each side of the partition finishes will be measured as per the case. Contractor to make provision for all electrical/ networking boxes and to provide 30mm dia cut-outs as required. Electrical/ Network boxes/ other services to be provided at desired height and location as indicated in the drawing or as instructed at site. All junctions between materials, columns, walls, etc to have a 10 mm groove with Aluminium 'L'/'U' sections as per details. And all grooves joint and design pattern shall be included in quoted cost. All exposed edges/ corners/ grooves to have proprietary corner/ edge bead sections/ channels as per Architect's instructions. All exposed gyp board edges to be fixed with Bead-it self adhesive. At all locations where services are penetrating the partition above false ceiling to have additional Aluminum frame work around the duct/ cable tray/ pipe and the gaps between the frame work and service to be filled with appropriate acoustic sealant or with fire stop material as directed. Approved make Laminates: Merino / Green Lam / Formica / Archiulam Veneer: Duro Commercial ply make : Century / Green/ Merino / Archidply				
8.2.1	SKIN TYPE-1 OVER G.I FRAMING: 12 mm PLY + 6mm PLY + 1mm 3d textured Laminate on both sides of Partition and single side of paneling. The PLY should be Leed certified Green Products, FSC certified and CE certification. which insure the quality of the products to the international standards. For partition (both sides will be measured as one)	sqm	770.00		
8.3	FULL HEIGHT GLASS PARTITION (12mm Thk Toughened Glass Partition) Make: Saint Gobain / MODI / ASAHI				
	Providing & fixing 12 mm thk toughened glass partition finished with machine polish at all exposed sides as per site requirement fixed with L-connectors complete as per detail drawing & instructions of Architect including Etching Film (garware) as per design on above item as per instructions of Architect in required pattern.	sqm	13.58		
	Total to be carried over the summary				



SUMMARY OF CIVIL AND INTERIOR FURNISHING WORKS					
S.No.	ITEM DISCRPTION				AMOUNT
1A	DEMOLITION WORKS				
1.0	CIVIL WORKS				
2.0	FLOORING / CLADDING WORKS				
3.0	FINISHING WORKS				
4.0	MISCELLANEOUS				
5.0	SANITARY WORKS				
6.0	FALSE CEILING WORKS				
7.0	DOOR / WINDOW WORKS				
8.0	PARTITION / PANNELING WALL FINISHING WORKS				
	TOTAL AMOUNT FOR CIVIL AND INTERIOR_FURNISHING WORKS				
II ELECTRICAL & LIGHT FIXTURES					
Note:	Providing and fixing and commissioning the below mentioned Light fixture with Open construction low loss electronic / copper Ballasts, starter, HPF condenser, Low glare and with High lumens output lamps. The installation shall be complete with all hardwares like anchor fasteners, set of chain / drop rods with ball & sockets, check nuts, flexible pipes with glands etc. complete.				
	The rate shall also include cutting open false ceiling and channels to the required sizes and finishing with pop works.				
1.0	Providing and fixing in gypsum ceiling, connecting testing and commissioning of following luminaires including the cost of necessary inter-connections required. Philips Green LEDi downlighter inclusive of gearbox.(Luminare all complete) (Wipro Maxi iris/Green Led/Philips BBS 170) / Havells 15W Green LEDi Philips	Nos.	41		
2.0	Providing and fixing in gypsum/armstrong ceiling, connecting testing and commissioning of following luminaires including the cost of necessary inter-connections required 2'X 2' Luminare all complete.in 42 W(a) Wipro Pure LED/Philips RC 380B LED-25-6500 PSE OD WH/GE Mapple/ Havells.	Nos.	168		
3.0	Supply & Installation of exhaust fan in the existing opening, including making the hole to suit the size of the above fan, making good damages connection, l/c fixing louvers / shutters complete with frame, mounting rings frame with four fixing holes, testing and commissioning etc. as required.(Crompton Greaves / Orient Heavy duty) 450 sweep and RPM 1400	Nos.	10		
4.0	Supply, Installation, Testing and Commissioning of 5W Mirror Light (Cat no-Bajaj Lighting BCLSB 05 WH or equivalent as specified in the approved list of make.)	Nos.	14		
5.0	Supplying, installing, testing and commissioning of wall bracket fan of 400 mm, complete with moulded propeller type blades, and accessories suitable for operation on 230 / 240 Volts, 50 Hz, single phase, A.C. supply.	Nos.	50		



6.00	WIRING				
6.1	Supply all materials, receiving, storing, handling, fixing, laying, wiring and testing for light, fan, exhaust fan, 5 Amp. switch and socket, etc starting from point control box to the outlet using ISI marked (IS:694) single core 1.5 sqmm flexible, flame retardant low smoke (FRLS), stranded copper conductors PVC insulated 1100 Volt grade wiring in concealed / exposed system using 25 mm ISI marked (IS:IS-9537-III & 3419) 2 mm thick, heavy duty PVC conduit including all conduit accessories, such as bends, tees, draw boxes, minimum 1.2 mm thick G.I. or MS point control boxes with zinc plating and yellow passivation, together with wiring accessories such as white modular plate type switches and sockets, cover plate, grid plate etc. including circuit wiring from DB to switch board and switch board to switch board by 2x1.5 sq.mm. flexible flame retardant copper wire with 1.5 sqmm Cu earth continuity wire.				
	The conduit being laid in recess (concealed) either in ceiling slab / wall, chasing on surface or under false ceiling including required clamping arrangement and required length of PVC flexible conduit or in wooden partitions etc. complete as required at site. (The minimum size of conduit will be 25 mm dia irrespective of number of wires drawn into it)				
a	One light point with 5 Amp. switch.	No.	80.00		
b	Each additional light point controlled by same 5 amp switch	No.	121.00		
c	call bell push.	No.	3.00		
d	Exhaust fan point with 5 Amp. Switch	No.	10.00		
e	One 5 pin 5 amp shuttered socket outlet with 5 amp switch	No.	25.00		
f	Set of three 5 pin 5 amp shuttered socket outlet with 1 no. 5 amp switch.	No.	50.00		
g	Blank plate for modular plate type switch boards wherever required.	No.	10.00		
6.2	Supply all materials, receiving, storing, handling, fixing, laying, wiring and testing for power outlets using ISI marked (IS:694) single core, flexible, flame retardant low smoke (FRLS), stranded copper conductors PVC insulated 1100 Volt grade wiring in concealed/ exposed system using 20 mm/25 mm ISI marked heavy duty PVC conduit (IS:IS-9537-III & 3419) including all conduit accessories, such as bends, tees, draw boxes, minimum 1.2 mm thick G.I. or MS point control boxes with zinc plating and yellow passivation, together with wiring accessories such as white modular plate type switches and sockets, cover plate, grid plate etc. including submain wiring from DB to outlet with Cu earth continuity wire, conduit being laid in recess (concealed) either in ceiling slab / wall, chasing on surface or under false ceiling including required clamping arrangement and required length of PVC flexible conduit or in wooden partitions etc. complete as required at site.				
a	One 6 pin 15 amp shuttered socket outlet with 15 amp switch by 2x4 + 2.5 sq mm copper wires. (Primary Power)	No.	21.00		
b	20 amp SPN industrial metal clad outlet in MS box with 20 amp C series DP MCB and metal plug top instead of modular switch & sockets by 2x4 + 2.5 sq mm copper wires.	No.	27.00		
7.0	DISTRIBUTION BOARDS AND CIRCUIT BREAKERS				
	Supplying, receiving, storing, handling, erecting, testing and commissioning of Single Pole and Neutral MCB distribution board, IP 43 protection, sheet steel, double door, powder coated, 240 volts, in recess/surface, complete with 100 amp tinned copper bus bar, neutral bar, earth bar, top and bottom removable gland plates with knockouts, interconnections, earthing etc. as required. DB's shall be original factory fabricated of approved make.				
	Make : Legrand-Lexic / L&T / Hager / ABB / Schneider-Acti 9				
a	16 WAYS SPN	No.	5.00		
b	12 WAYS SPN	No.	2.00		
7.1	Supplying, fixing, connecting, testing and commissioning of following rating, ISI marked (IS 8828) 240 / 415 volts, 10 KA, Miniature Circuit Breaker (MCB) of single / double / three / four poles in the existing MCB DB or in existing MS enclosure complete in all respects.				
	Make : Legrand-Lexic / L&T / Hager / ABB / Schneider-Acti 9				
a	5 to 32 Amp. SP MCB	No.	70.00		
b	5 to 32 Amp. DP MCB	No.	25.00		
c	40 Amp. DP MCB	No.	5.00		
d	50/63 Amp. DP MCB	No.	5.00		
e	32 Amp. FP MCB	No.	1.00		
f	40 Amp. FP MCB	No.	5.00		
g	50/63 Amp. FP MCB	No.	1.00		



8.0	TELEPHONE, DATA & TV				
8.1	Supply and fixing of ISI marked (IS:9537-part 3 & 3419) 2 mm thick heavy duty PVC conduit in concealed / exposed system in wall, ceiling or on floor including cutting of brick work, laying of conduit and fixing it with M.S. hooks and then plastering with cement, sand mortar finished to the level, providing necessary sockets, bends, tees, junction boxes of required sizes etc as directed at site by the engineer-in-charge with supply of all material labour and T & P required for proper completion of work. conduit being laid either in concealed system in ceiling slab or wall or on surface or under the frame of false ceiling including flexible conduits or through wooden partition including clamping arrangements as required.				
	25 mm dia. conduit	mtr.	450.00		
8.2	Providing & Fixing of modular plate type telephone outlet on 1.0 mm tk G. I. Switch control boxes, with cover plate, grid plate, screws, etc with connections as required.				
a	Single RJ 45 Tel. Jack	No.	7.00		
8.3	Providing, fixing, connecting & testing of Krone box (Telephone Tag Block) in a thermoplastic, IP 65 (weather proof) enclosure, internally embedded gasket, anti corrosive, insulated and shock proof with provision for cable through IP 65 glands complete in all respects. (Make : Hensel)				
a	Supply and fixing of cat6 patch cord for voices uses	No.	7.00		
b	Supply and fixing of 10 MDF Box with krone module	No.	1.00		
8.4	Providing, drawing, connecting and testing of telephone wire of cat6 cable in MS/PVC conduit from telephone outlet box to the junction box/tag block as required.	mtr.	100.00		
8.5	Providing, drawing, connecting and testing of telephone wire 0.5 sqmm tinned annealed high conductivity copper conductor with high density Polyethylene insulation, paired, polyester taped and FR PVC sheathed in existing MS/PVC conduit from telephone outlet box to the junction box/tag block as required.				
	2 pair 0.51 sq. mm.	mtr.	70.00		
8.6	Providing & Fixing of modular plate type white RJ 45 CAT 6 Data outlet / information outlets ETL verified to meet or exceed TIA / EIA category 6 requirements, universal wiring label permitting to either T568A or T568B, UL listed, for computer networking complete in all respect with cover plate, grid plate, screws, MS box, etc with connections as required.				
	1 nos. RJ 45 Data Outlet	No.	46.00		
8.7	Providing, drawing, connecting and testing of enhanced category 4 pair LAN (local area network) cable, UL and CUL listed, in existing MS/PVC conduit or floor raceways including connections etc as required complete in all respects. (Make : AMP / Systemax)				
	CAT-6 network cable	mtr.	500.00		
8.8	Providing & Fixing of modular plate type white coaxial television outlet complete in all respect with cover plate, grid plate, screws, 1.0 mm tk G. I. Switch control boxes, etc with connections as required.	No.	5.90		
8.9	Providing, drawing, connecting and testing of Television cable , Electrolytic grade solid annealed high conductivity copper conductor, gas injected physical polyethylene foam insulated, wrapped with aluminium tape and aluminium alloy wire braided, jelly flooded and PVC jacketing in black colour (Compatible to DTH TV signal), in existing MS/PVC conduit from television outlet box to the junction box / splitter / subscriber or dwelling unit / Dish antenna as required. (Make : Finolex / RR / Polycab / Skytone)				
	RG - 6	mtr.	105.00		
9.0	RACEWAY: including cutting of the floor and fixing as and wherever required.				
9.1	Supply, fixing, laying, hanging and embedding in wall of Aluminium raceway top cover openable with counter sunk screws, painted stove enamelled approved colour the cover should be tight on channel with counter sunk screws to avoid entry of vermins. It should be tightened in such a way to avoid ingress of mosquito, moisture and dust. The Aluminium raceway / wire ways shall be complete with all accessories required such as bends, tees, reducers, offsets, cover, junction boxes etc. as reqd.				
a	Supply, laying, testing and commissioning of 100 MM wide x 50mm raceway with all requirements.	mtr.	135.00		
b	Supply, laying, testing and commissioning of 150 MM wide x 50mm raceway with all requirements.	mtr.	100.00		



10.0	SUBMAINS/MV CABLES				
10.1	Providing and laying of PVC insulated copper conductor/Cable 1100 volt grade stranded flexible FRLS Wire in required size of pvc heavy duty conduit.				
a	2 x 16 + 1 x 6 sq.mm PVC insulated stranded flexible copper wires in pvc conduit	mtr.	50.00		
b	4 x 16 + 2 x 6 sq.mm PVC insulated stranded flexible copper wires in pvc conduit	mtr.	60.00		
	Total Amount for Electrical Works to be carried over the summary				
III	AIR CONDITIONING WORKS				
I	HIGH SIDE WORK				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Roof mounted cassette units of (Daikin/ Toshiba/ Mitsubishi) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (evaporator coil - copper only), fan and fan motor, machine control panel improved Refrigerant Joints. Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R-22/ R-410. All complete as per drawing, approval and instructions of the Employer (Rates to be inclusive of Copper refrigerant pipe with insulation and Drain pipe up to 5 Mtr. length).				
a	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	No.	1		
b	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	No.	21		
c	2.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	No.	5		
	PART-B				
II	LOW SIDE WORK				
1	REFRIGERANT PIPING				
1.1	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC and 2.0/3.0 TR Cassette AC (From indoor to outdoor Units) Beyond 3 M.				
a	For 1.0 T Split unit	mtr.	21		
b	For 1.5 TR to 2.0 TR Split unit	mtr.	556		
	2 DRAIN PIPING				
2.1	Providing and fixing drain piping up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
a	25 mm dia PVC drain pipe for Split AC	mtr.	25		
b	32 mm dia PVC drain pipe for Split AC	mtr.	150		
	3 AUTOMATIC VOLTAGE CONTROLLER				
3.1	Stabilizer shall be Automatic version with copper coil transformer and the voltage selection range shall be minimum depending on lowest peak recorded average in a month. Precise output voltage range (130V-170V to 240V -270 V). Ensure the rating of Stabilizer shall be in accordance with max rated power of ACs considering instantaneous peak load fluctuation.				
	Providing and fixing Stabilizer with 3-4 step relay and input voltage range of 130-270 V and output to be 230-240 V (Blue bird/ Logic state/ Inline/ V-Guard/Equivalent Reputed Make) (copper winding).				
a	4 KVA (For 1.5/ 2.0 TR Split AC)	No.	26		
b	3 KVA (For 1.0/ 1.5 TR Split AC)	No.	1		



4	AIR-CONDITIONERS STAND				
4.1	MS-STAND - Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all- round. The frame shall be of angle 35mm*35mm and it shall be fixed to wall or roof with proper MS bracket to tackle the weight of outdoor unit. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the employer. Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit.				
a	For Hi Wall split units	No.	27		
5	ELECTRICAL CABLES				
5.1	Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / 1.5/2.5 -6.0 Sqmm) as per design requirement of Peak load calculation of specific ACs system installed at site with 1"/1/2"/2" PVC conduit pipe between indoor/outdoor unit				
a	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC.	mt.	900		
Total Amount for HVAC Works to be carried over the summary					
TOTAL AMOUNT (Civil and Interior furnishing + Electrical works + HVAC Work)					
DISCOUNT (IF ANY)					
TOTAL AMOUNT (AFTER DISCOUNT) [EXCLUDING GST]					

