

Dhaka Chamber of Commerce & Industry
65-66, Motijheel C/A, Dhaka 1000

Ref: DC-2017/Estate(E.L)/1074, date: 01-11-2017

Schedule for 6th FL development of DCCI Building

A CIVIL WORKS						
1.0	Site cleaning and mobilization preparation	Brand	Unit	QTY	Unit Price	Total amount
	Preparation of electricity connection, water connection and general site cleaning. Cost incurred for electricity usage and water usage during the construction period needs. Client will show source and contractor will have arrange necessary facilities including pipe, cable, sub-meter, etc to get the connection.		LS	1.00		
2	Dismantling Work: Dismantling necessary existing Brick works, RCC floor etc. complete in all respect as per direction of the consultant & engineer-in-charge.					
a	Existing Floor , Staircase		sft	365.00		
b	10" Thick brick wall		Cft	420.00		
c	5" Thick brick wall		sft	2,900.00		
d	Removing of plumbing line		Job	1.00		
e	Removal of existing floor tiles		Sft	6,000.00		
f	Removal of tiles/plaster from existing column		sft	702.00		
g	Removing all garbage (with transportation cost)		Job	1.00		
2.0	125 mm brick works with first class bricks in cement sand (F.M.1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for atleast 24hours before use and washing of sand including Plastering 12mm thick with cement sand (F.M.1.2) in proportion (1:4) with fresh cement to wall both inner- and outer surface, finishing the corner and edges including washing of sand cleaning the surface, and curing atleast for 7days, cost of water, electricity and other charges etc. all complete in all respect as per drawing and accepted by the Engineer.(Cement:CEM-II/A-M) (Plastering work to be applied on brick wall surfaces after sufficient dried and to be as per instruction of the concern authority).		Sft	2,820.00		
3.0	10" thk brickwall					
	Providing and constructing brick work of 250 mm thk wall with best quality table moulded approved bricks with minimum compressive strength of 50 Kg per Sqcm. in cement mortar 1:6 in superstructure above plinth level at all levels etc. complete, all as directed at site by Engineer incharge.		Cft	32.00		

4.0	PLASTERING Minimum 12mm thick cement sand (F.M.1.2) plaster (1:4) with fresh cement to R.C.C. columns, beams, surface of, louvers, fins and finishing the corner sand edges including washing of sand cleaning the surface, scaffolding and curing at least for 7days, cost of water, electricity and other charges etc. all complete in all respect as per drawing Specification and direction of the Engineer in Charge / Consultant		Sft	4,070.00		
5.0	LINTELS Providing and laying 125-150mm thick full width of brick wall, RCC Lintels above doors/opening as required with M20 grade reinforced cement concrete, including scaffolding, curing, rubbing the surface etc. at all heights & levels.		Rft	295.00		
6.0	IPS Flooring Providing and laying 75mm thk. granolithic flooring in cement concrete 1:2:4 proportion by using coarse graded aggregate of 6 to 12 mm size laid monolithic with floor concrete and finished smooth manually including preparation of concrete surface and providing and laying specified cement mortar on top for adequate and approved smooth finish curing complete as per specification and as directed at site.		Sft	2,365.00		
7.0	Sand filling work at auditorium for making raised floor.		Cft	975.00		
8.0	RCC Casting at staircase area					
	Concrete (1:1.5:3 ratio)		Cft	165.00		
	Shuttering work		Sft	330.00		
	Steel work		Ton	1.50		
	subtotal					
B	PAINT WORKS					

1	<p>ACRYLIC EMULSION PAINT (to partitions / walls) - Velvet Touch equivalent</p> <p>Providing and applying Acrylic Emulsion paint finish to walls, partitions surfaces of approved make, best quality, colour, texture and shade delivered from authorized local agent of the manufacturer in a sealed container, in two coats (surface and finish acceptable to the Architect/Project Manager must be achieved by the contractor within two coats and any additional coats if required shall be at the cost of the contractor), including preparing existing surfaces by scraping away any loose particles, dust etc. by washing & scrubbing, filling up with crack filler, binder; cleaning and making the surface dust-free, applying water based RJ London putty as directed and rubbing with sandpaper to make surface smooth and applying 1 coat of primer as recommended by approved paint manufacturer, including required scaffolding, cleaning and protecting till the handing over of site etc. all complete at all heights and leads as per specifications or as directed by the Architect/PM.</p>	Jotun/ Equivalent	Sft	6,542.00		
2	<p>ACRYLIC EMULSION PAINT (to ceiling)</p> <p>Providing and applying Acrylic Emulsion paint finish to walls, partitions, ceiling surfaces of approved make, best quality, colour, texture and shade delivered from authorized local agent of the manufacturer in a sealed container, in two coats (surface and finish acceptable to the Architect/Project Manager must be achieved by the contractor within two coats and any additional coats if required shall be at the cost of the contractor), including preparing existing surfaces by scraping away any loose particles, dust etc. by washing & scrubbing, filling up with crack filler, binder; cleaning and making the surface dust-free, applying water based RJ London putty as directed and rubbing with sandpaper to make surface smooth and applying 1 coat of primer as recommended by approved paint manufacturer, including required scaffolding, cleaning and protecting till the handing over of site etc. all complete at all heights and leads as per specifications or as directed by the Architect/PM.</p>	Jotun/ Equivalent	Sft	370.00		
Subtotal						
C	PARTITION WORKS					
1.0	100MM THICK FULL HEIGHT PARTITION WITH DOUBLE LAYERS OF 12MM THK GYPSUM BOARD ON BOTH SIDES (P1)		Sft	970		

	<p>Framework: Providing and fixing partition Frame work of 50mm x 25mm x 1.2mm thick extruded MS section framework at spacing not exceeding 600mm both ways as per details. MS sections to be secured to each other with 50mm x 50mm x 1.2mm thick MS cleats with sheet metal screws. Framework to be secured to wall surface/column surface closely structural support using wood screw with wooden/PVC rawel plug as per details. Horizontal frame members at floor level, skirting level and lintel/false ceiling level to be formed of 50mm x 50mm x 1.2mm thick extruded MS section as per details. Horizontal frame members at floor level / skirting level and false ceiling & at intermediate level as per details / site requirement shall be provided as per specifications / details. Provide an additional hollock wood/Sal wood member of 50mm x 50mm x 100mm/75mm treated with anti-termite and fire retardant paints as spacer at the true ceiling level and sub frames for doors and glazed openings while fixing the frame work as per details.</p>	Local best or similar you prefer				
	<p>Cladding The framework to be cladded on both sides with 2 layers of 12mm thick tapered edge Gypsum-board over framework screws fixed with dry wall screw of 25mm @ 300mm c/c with staggered joints to avoid through joints. Finishes: Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with proprietary Jointing compound, as directed. Joints to be sand papered to achieve a smooth and seamless finish. Special Provisions: i) 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. ii) All junctions between materials, columns, walls, etc to have a 6mm groove with 12 x 12 x 1.2 mm thk Aluminium `L' angle as per details. iii) All exposed edges / corners / grooves to have proprietary corner / edge bead sections/channels as per Architect's instructions. iv) All exposed board edges to be fixed with BeadEx self adhesive. v) At all locations where services are penetrating the partition above false ceiling to have additional Aluminium frame work around the duct/cable tray/pipe</p>					

	Infill: As an acoustic requirement, contractor to affix 50mm thick Glass Wool of approved make of density 24kg/m ³ blanket wrapped in RP tissue suitably affixed to partition framework using where necessary GI binding wire, duct tape as indicated in the drawing.					
2.0	Glass Partition		Sft	1,542.00		
	Providing and fixing of clear glass partition made of 10 mm thick clear toughened glass fixed with "U" channel in line, level and plumb, including support system,"U" channel, connector as per approved sample, glass seal as per approved sample, silicone sealants, anchoring system etc. all complete as per design , drawing and up to the satisfaction of Project Manager.					
3.0	Veneer Wall Paneling			1,125.00		
	Providing & fixing of Veneer of approved sample pasted over wooden base made of commercial ply & hardwood framing of required section as per pattern shown in drawing including all materials, labour, wastage, adhesive, nails, screws, teak wood beading/profile, making provision of MEP fixtures (if required), PU Polishing of veneer & wooden beading/profile and all necessary fixing arrangements etc. all complete as per design drawing & satisfaction of project manager.					
4.0	Wooden wall paneling at multi levels at auditorium					
	Providing and fixing acoustic wooden paneling with 50mmX900mm box at multi level as per design. Paneling should have provision for fixing of light fittings. Surface to be made ready for finishing with laminate/veneer/paint/etc. as per design	Armstrong-India	Sft	465.00		
5.0	Acoustic wall clading at back wall of auditorium	Armstrong-India	Sft	425.00		
6.0	Toilet partition by HPL board including the the door & necessary hardwares		Sft	83.00		
7.0	10mm thick non tempered single glazed glass window with EDF section		Sft	455.00		
	Subtotal					
D	CEILING WORKS					
1	Gypsum Plain Ceiling at toilet & pantry area		Sft	370.00		

	<p>Providing and fixing suspended false ceiling consisting of 12.5mm thick Gypsum plaster board suspended on GI framework. GI framework to consist of GI perimeter channels 0.55mm thick 20mm x 30mm along perimeter of false ceiling of ceiling, screw fixed to wall/partition with nylon sleeves and screws @ 600mm c/c. Suspending GI intermediate channels of size 0.9mm thick 45mm x 15mm from the soffit at max dist 1220mm c/c with ceiling angle 0.55mm thick 25mm x 10mm fixed to soffit using GI cleat and steel expansion fasteners.</p> <p>Ceiling section 0.55mm thick web size 51.5mm and flanges 26mm each and 10.5mm lips are fixed to perpendicular to intermediate channel @ 457mm c/c using connecting clips.</p> <p>12.5mm tapered edge plasterboard (IS 2095-1982) is screw fixed to ceiling section with 25mm drywall screws @ 230mm c/c. Boards to be finished with proprietary supplied jointing tape and jointing compound and sand papered to achieve a smooth and seamless finish.</p> <p>Two coats of gypboard primer to be applied to finished surfaces and then smoothed using chalk putty as directed.</p> <p>All junctions between materials, columns, walls, etc to have a 6mm groove with 12 x 12 x 1.2 mm thk Aluminum `L' angle/shadow angle as per details.</p> <p>Rate quoted to include vertical drops up 250mm,</p>	Local best or similar you prefer				
2	Acoustic Ceiling at multi levels at auditorium					
	<p>Providing and fixing Decorative Wooden False Ceiling with suspended GI framework at multi level as per design with 12mm ply as per design. Rate to include cost of lipping all around as per design. Ceiling to have provision for fixing of light fittings in the wooden false ceiling as per design. Surface to be made ready for finishing with laminate/veneer/paint/etc. as per design</p>	Local best or similar you prefer	Sft	1,350.00		
3.0	Wooden rafter Ceiling at reception & VIP Lounge					
	<p>Fabricating and fixing of 50mm x 100mm wooden rafter ceiling, with all accessories and supports complete. Rafter ceiling to be hung from the true ceiling with best quality SS string and locked on two sides with perpendicular support.</p>		Sft	410.00		
4	Perforated metal Ceiling at Lounge & common spaces	Local best or similar you prefer	Sft	915.00		
5	Metal blade ceiling at café & Lounge	Local best or similar you prefer	Sft	1,723.00		
6	Wooden perforated ceiling at meeting room (600mm X 600mm)	Local best or similar you prefer	Sft	430.00		
7	Dune RH grid ceiling at office spaces (600mmX600mm)	Local best or similar you prefer	Sft	875.00		

		Subtotal				
E	DOORS					
1	Glass Door					
	Providing and fixing of single leaf frameless glass door made of 10 mm thick clear toughened glass fixed to door jamb with hinges of approved sample including providing & fixing of handle, machine edge grinding & polishing, making of hole and other necessary arrangements etc. all complete as per design, drawing & satisfaction of the Project Manager. (All hardware & fittings should be of approved make)					
	D1 Size : 1500 x 2400mm		nos	2		
	D2 Size : 900 x 2400mm		nos	10		
2	SOLID CORE FLUSH DOOR WITH BOTH SIDE VENEER WITH VISION PANEL					
	Door Frame: Door frame made of 50x150 mm thick 1st class Teak wood fixed to sub frame/wall with holdfast as directed by Project manger including making necessary grooves, rebate, chamfering, all necessary fixing arrangements etc. complete as per detailed drawings. Shutter : 32mm thick solid core Flush Door shutter of approved make. Hardware: Door to be complete with hardware of Hafele as like SS Ball Bearing butt Hinges, door closer, door handles, mortize locksets Floor Mounted Door Stop Seals: Hafele make Rubber acoustic door seals.	Local best or similar you prefer				
	D3 Size : 1000 x 2400mm (Single Leaf)		nos	2		
	D4 Size : 1500 x 2400mm (double leaf)		nos	1		
	SINGLE LEAF SOLID CORE FLUSH DOOR BOTH SIDES LAMINATE					
	Door Frame: Door frame made of 50x150 mm thick 1st class Teak wood fixed to sub frame/wall with holdfast as directed by Project manger including making necessary grooves, rebate, chamfering, all necessary fixing arrangements etc. complete as per detailed drawings. Shutter : 32mm thick solid core Flush Door shutter of approved make. Hardware: a.Four ball bearing flat button button hinge with wooden screws Size : 4"x3"x3mm and all other necessary hardwares					
	D7 Size : 750 x 2100mm		nos	5		
3	SINGLE LEAF FIRE RATED METAL DOOR WITH VISION PANEL					

	<p>40mm thick 120min rated metallic fire door : Supply & installation of approved make 40mm. thick light weight asbestos free fire proof doors of 120 minute fire rating duly tested for Integrity & Insulation Criteria confirming to IS: 3614 Part 2 and BS: 476 part 22 at Fire Research Laboratory Central Building Research Institute Roorkee with standard heating conditions as specified in IS: 3809 - 1979 and BS: 476 part 20 & 22 1987 to achieve the required integrity & insulation (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140 degree Centigrade above the ambient temperature on the unexposed surface of the shutter) complete in all respect as per details.</p> <p>Door Frame : Formed out of 1.6mm thick Galvanized steel sheet pressed form to double rebate profile of size 100x65mm as per IS277.</p> <p>Shutter : Formed out of 2 nos. 1.6mm thick galvanized steel sheet with infill of fire rated Acrylic Sealant and non-combustible core (Rock wool 96Kg/M³) bonded to both faces of sheet with lock seam joints at stile edges and internal reinforcement at top, bottom and stile edges for fire rating.</p> <p>Finish : Door frames and shutter shall be finished with primer coating, stoved zinc phosphate primer (35 micron DFT) and thermosetting Polyurethane aliphatic grade paint (35 micron DFT) of approved colour.</p> <p>Vision Panel : 1 no. of size 450 x 450mm vision panel formed out of 6mm thick Pilkington Pyroshield of 120 minutes fire rated clear wired glass with metal beading as per details.</p>						
	D6 Size : 1000 x 2100mm		nos	2			
	Subtotal						
F	FLOOR & WALL FINISHING						
1	CARPET / RUGS						
	<p>Floor : Auditorium Area, President's room & Conference room</p> <p>Providing, laying with complete adhesion [SR-505 from Pedilite] tufted cut pile carpet [Blend of two yarn] with fiber constituents @80% Newzealand wool and @20% Nylon with 1/10 machine gauze with 12.37 SPI stich having pile weight [yarn] @1250gm/sqmt with pile height 9.5mm [±0.5mm] in primary backing of woven poly propylene and secondary backing in action back of standard width 4000mm with Class I flammability test with printing technology in chromo jet printing of approved colour, shade and pattern from Creations Unlimited, complete in all respect including L profile</p> <p>Note: Base cost of carpet @Taka.650/ Sqmt.</p>	Carpet Inter-Thailand	Sft	2,510.00			
2	Tiles Flooring / Skirting at rooms & Common space						

	Supply fitting and fixing of 600 x 600 local mirror polish floor tiles fixing over existing R.C.C slab on average 37mm thick cement mortar 1:3 base on raking out joint with white cement and colour pigment including cutting, laying in proper way and finishing with care etc all complete as per direction of site in charge.	Local best or similar you prefer	Sft	4,040.00		
3	Granite cladding on lift wall					
	Providing and fixing 19mm thick prepolished Granite stone (as selected) cladding/ dado in specified sizes as per drawing laid with 20 mm avg. thickness of cement mortar 1:3 mixed with waterproofing compound (1cement : 3 coarse sand) wet cladding. The item includes providing and fixing stainless steel cramp of adequate size & design fixed in cladding as per design, joints sealed with silicon sealent, pins, dash fastener of approved make and fixing grit on back of stone with araldite etc including filling the joints with white cement with matching pigment, chamfering, making grooves, pointing, edge polishing, scaffolding, curing etc.		Sft	310.00		
4	Granite counter					
	600mm. wide granite (plain black/Blue pearl) with undercounter storage (850mm. high) with Plyboard framework, having shutters and drawers finished with laminate as per design and requirement. Rate to include 100mm. wide facia and 200mm. back splash respectively. All edges to have straight egde with hand polish.		sft	91.00		
5	Vitrified Tile Flooring					
	Supply fitting and fixing of 600 x 600 local antiskid floor tiles fixing over existing R.C.C slab on average 37mm thick cement mortar 1:3 base on raking out joint with white cement and colour pigment including cutting, laying in proper way and finishing with care etc all complete as per direction of site in charge.	Local best or similar you prefer	Sft	292.00		
6	Vitrified Tile Flooring for pantry					
	Supply fitting and fixing of 600 x 600 mirror polish floor tiles fixing over existing R.C.C slab on average 20mm thick cement mortar 1:4 base on raking out joint with white cement and colour pigment including cutting, laying in proper way and finishing with care etc all complete as per direction of site in charge.	Local best or similar you prefer	Sft	75.00		
7	Glazed wall tiles for toilet & pantry(600mmx300mm)					
	Providing and fixing 500mmx300mm glazed wall tiles with cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete as per drawing, specification and finishes schedule and direction of the Engineer in Charge / Consultant at wall as per drawing, specification and direction of the Engineer in Charge.	Local best or similar you prefer	Sft	1,610.00		

8	Steel Structure for porch area		sft	221.00		
Subtotal						
G	BUILT-IN JOINERY					
1	AV cabinet					
	<p>1500 x 600 x 850 laminate finish Providing and fixing Low height storage cabinet formed of 18mm thick prelaminated MDF board formwork/carcass/adjustable shelves/shutters with all exposed edges finished with 2mm thick PVC edge band (factory finished) as per details shown in drawing . Shutter of cabinet to be formed of 18mm thick prelaminated MDF board with all exposed edges finished with 2mm thick PVC edge band (factory finished) as per details shown in drawing. Exposed wood surfaces to be finished with spray applied melamine polish. The storage to have all necessary hardware, locks, handle etc. complete as per details.(front area to be measured) Storage to be complete with hardware installed as directed to consist of the following: Shutter to have automatic spring loaded hinge of approved make installed strictly a per manufacturers guidelines with requisite tools/jigs. Each set of shutters to be provided with 1no. multi purpose lock as specified, SS handles, auto bolt, etc.</p>		Sft	330		
2	Front Desk Table (veneer finish)					
	Size - 5000x600x1050mm		Nos	1		
3	Dias					
	<p>Overall size: 6000mm x 2400mm x 600mm Structure: Supplying and fixing of 4"x2" @2' c/c seasoned SiliguriSal wood sections in dias framework including cutting to shapes and requisite sizes as per drawing complete including seasoning and antitermite treatment and all hardwares,adhesive complete. Rate to include 50mm x 50mm MS angle framework as per requirement. Top finish: Providing and placing 38mm. thk. Exterior grade MDF Board screwed to the wooden framework as flooring bed for wooden flooring. Sides/Edges:</p>		Nos	1		
4	Book shelf & Display Unit		Nos	1		

	Providing & Fixing of Display unit of overall size 4500 x 400 x 2430 mm high constructed with following components :					
	All the back facia, base,shelves are made of commercial ply & finished with Veneer of approved sample on all the visible surfaces .					
	Front facia will be made by 6mm thick clear glass.					
	Subtotal					
H	Plumbing Works					
1	Water Closet, Concealed Flush Valve for WC white in finish/colour including all other accessories. Brand-KOHLER TOTO. or equivalent)		PCS	5		
2	Basin, white finish including all other accessories.. Brand-TOTO , KOHLER GROHE. or equivalent)		PCS	6		
3	SINK Stainless steel singel boul sink including all other accessories..		PCS	1		
4	Basin Mixer of Nickel Chrome finish. Single Lever Lavatory Faucet with One Push Pop-Up Waste. Brand-TOTO , KOHLER GROHE. or equivalent)		PCS	6		
5	Soap Dispenser with chrome finish. Brand - TOTO , KOHLER GROHEE. or equivalent)		PCS	3		
6	Bottle Trap. Brand-TOTO , KOHLER GROHE. or equivalent)		PCS	1		
7	Floor Trap, nickel chrome. Brand-TOTO, KOHLER GROHE. or equivalent)		PCS	3		
8	Soil & Water supply pipe		Job	1		
	Subtotal					
I	Miscellaneous					
1	Roller Blind		Sft	928.00		
	Providing and fixing suspended vanes fully adjustable to give precise total control of light, heat and privacy, contribute to energy conservation by reducing thermal transfer and solar gain, excellent sound absorption, sheer layers soften direct sunlight, fabrics are available in 2 transparencies and a range of colours, adjustable vane widths: 75 mm., made with durable 100% polyester.	China made				
2	Roller Blind Black out		Sft	919.00		
	Same as above but with black out fabric with PVC backing	China made				
3	Pelmet for Blinds					

	Supplying, fabricating and installation of 150mm wide (clear) U-shape Pelmet with one vertical end 150mm high and other vertical end with over all / supporting height 800mm (glazing side) as per details made out of 18mm thick prelaminated MDF board, with all exposed edges finished with 2mm thick PVC edge band (factory finished) supported from RCC slab / beam soffits by MS flat / GI wire at 1.0mt c/c spacing as approved including enamel painting on exposed surface per details. Cost to include factory cut return air slots in the pelmet, 50x50mm vertical & horizontal support wooden frame at an interval / spacing as shown in drawing complete in all respect as per details and to the Architect's approval.		Rft	171.00		
Subtotal						
J	Electrical work					
1	PIPE WORK					
	CONCEALED CONDUIT:					
	Supply and installation of water grade PVC pipe of approved quality of following sizes as per routing shown in the drawing and details in the specification in roof slabs, floors, through columns, walls, beams immediately after the placement of reinforcement steel bar, or all civil works required to be done before installation of conduit, as per drawing within such a time as not to retard the progress of civil works or lay the pipe by making grooves through civil works done for which rate should be inclusive of all PVC circular boxes, pull boxes lockouts, male/female bushes, 12 SWG G.I. pull wire expansion joints etc. the conduit are to be tied with the reinforcement steel bar at the rate of 3'-0" spacing using 20 SWG G.I. wire . No aluminum accessories shall be used .The rate should be inclusive of all costs required for tracing out outlets after the shuttering are removed and clearing the outlets and mending the damages. (Brand- NPL/BASHUNDHARA)					
	a. 3/4" dia PVC		Rft	2,700.00		
	b. 1" dia PVC		Rft	4,250.00		
	c. 2" dia PVC		Rft	550.00		
	d. 3/4" dia PVC		Rft	1,700.00		
	e. 1" dia flexible		Rft	1,050.00		
	f. 2" dia flexible		Rft	240.00		
2	CABLE WORK & EARTHING WORK:					
	(Cable in conduit) Supply & installation including termination of PVC insulated single core cable (BRB cables) with copper conductors in pre-installed conduit/G.I. pipe as per drawing and specification and of the following sizes.					
	a. 1.5 mm ² (BYA) FRLS		Coil	31.00		
	b. 2.5 mm ² (BYA) FRLS		Coil	60.00		
	c. 4.0 mm ² (BYA) FRLS		Coil	7.00		
	d. 1C-10 mm ² (NYY) FRLS		Coil	5.00		

	e.1C-35 mm ² (NYY) FRLS		Rft	610.00		
	f. RJ-6 Coaxial Cable		Coil	2.00		
2.1	Supply & installation including termination of PVC insulated PVC sheathed single/multi core cable (BRB cables) of following sizes as per drawing and specification.					
	a. 1.5 mm ² (BYA) ECC FRLS		Coil	47.00		
	b. 2.5 mm ² (BYA) ECC FRLS		Coil	9.00		
	c.1C-6mm ² (BYA) ECC FRLS		Coil	8.00		
	d.1C-16 mm ² (BYA) ECC FRLS		rft	210.00		
3	DISTRIBUTION BOARDS:					
	Supply, installation, testing & commissioning of totally insulated distribution boards with insulated cover conforming to IEC439-1 from reputed manufacturers like Eaton (Moeller) / Schinder/ Legrand having ISO9001 certificate housing the following rated MCB/ ELCB/ MCCB /MPCB, contactors, rotary & busbars and all other accessories as per technical specification & drawings. The distribution board shall be of suitable dimensions so as to accommodate the circuit breakers and busbars with insulated shroud with sufficient spacing including internal connection cables in the board and other materials, shall have hinged type door locks, circuit directory shall be suitable for concealed /surface mounted type having PVC cable glands/grommets of appropriate sizes, shall have knockout for conduits entry & exist, a suitable size copper plate earthing block must be provided inside the box. The rate should be quoted inclusive of all required inclusive of all required material for this item & the cost shall include the necessary clearing and necessary civil works like cutting and breaking of walls/columns/ ceiling /floors and mending the same including the plastering & painting as per instruction of the Engineer-in-charge.					
	MDB(Main Distribution Board) :		Each	1.00		
	Incoming: 1X163A TP MCCB					
	1- Multifunction Meter; 3 Indicator Lamp.					
	Outgoing: 3x32A TP MCB (Adjustable) for AC					
	9x10A SP MCB					
	23x20A SP MCB					
4	SWITCH/ BOARD:					
	Supply and installation of following switch and regulator boards made of 18SWG sheet and 14 SWG ear hammer painted as per direction of E/C. Size of the board shall be complied with switch and regulator size. Box shall have 1/8 thick ebonite /acrylic cover and shall be used as and where required.(
	Supply and installation of 1/8" thick ebonite /acrylic sheet of approved color.					
	a. 1. Gang (1 way)		Each	2.00		

	b. 2. Gang (1 way)		Each	2.00		
	c. 3. Gang (1 way)		Each	7.00		
	d. 4. Gang (1 way)		Each	13.00		
5	SOCKET/MCB/MCCB OUTLETS:					
	Supply and installation of 240 V, 50 Hz. A.C. sockets/ MCB/ MCCB as approved by the Engineer- in- charge in 18 SWG sheet steel box hammer painted having 1/8” thick plastic cover and knockout for conduits of the following rating and specification.					
	a. 15 A, 3 pin switched socket. (MK SINGAPORE/ LEGRAND France / ABB).		RO.	3.00		
	b. 13A, 3pin switched socket. (MK SINGAPORE/ LEGRAND France / ABB).		Each	59.00		
	c. 13A, 3pin Multi socket. (MK SINGAPORE/ LEGRAND France / ABB).		Each	15.00		
	d. Television socket (MK SINGAPORE/ LEGRAND France / ABB).		Each	3.00		
6	CABLE TRAY:					
	18G Perforated powder coated cable tray.					
	200mm x 50mm		rft	145.00		
	300mm x 50mm		rft	16.00		
6	Conduiting & Cabling of PABX Works		LS	1.00		
6	INSTALLATION OF LIGHTING FIXTURES					
	Installation of the following lighting fixtures with all fixing accessories etc. as required.					
	Task Light (1200mm x 100mm) (Origin- China)		Nos	14		
	Spot Light.12Watt.		Nos	120		
	Track LighT. 18 Watt.		Nos	13		
	Pendent Light (Customised Size)		Nos	13		
	Garden Light, 48 watt		Nos	20		
	LED Strip Light		rft	1312		
	subtotal					
K	A:Fire Detection					
1.	Supply and Installation of Intelligent Addressable Micro Processor based Fire Detection & Alarm Panel. Brand: EST & Model: EST-3 Country of Origin: USA Compliance: UL, ULC, FM, CSFM		Set	1		

2.	Supply and Installation of Intelligent Addressable Micro Processor based Optical Smoke Detector. Brand: EST & Model: SIGA-PS Country of Origin: USA Compliance: UL, ULC, FM, CSFM		Sets	107		
3.	Supply and Installation of Addressable rate of Rise Sensor with base / Heat Detector. Brand: EST & Model: SIGA-HRS Country of Origin: USA Compliance: UL, ULC, FM, CSFM		Sets	5		
4.	Supply and Installation of Intelligent Addressable Manual Call Points (Break Glass Type) Brand: EST & Model: SIGA-278 Country of Origin: USA Compliance: UL, ULC, FM, CSFM		Sets	16		
5.	Supply and Installation of Strobe Light complied with Horn. Brand: EST & Model: G1R – HDVM Country of Origin: CHINA Compliance: UL, ULC, FM, CSFM		Sets	25		
6.	Supply and Installation of Intelligent Control Modules. Brand: EST & Model: SIGA-CC1		Sets	7		
	Country of Origin: USA					
	Compliance: UL, ULC, FM, CSFM					
7	Supply and Installation of Intelligent Fault Isolator Modules. Brand: EST & Model: SIGA-IM Country of Origin: USA Compliance: UL, ULC, FM, CSFM		Sets	2		
9.	Supply and Installation of Cable with PVC Conduit. Brand: BRB /Supersign Compliance: ISO 9002					
	2 x 1.5 sq mm Signal Cable		R/M	1500		
10	Testing, Commissioning and Programming:		Lot	1		
A.	Total Amount of Fire Detection & Alarm System:					
	B. PA System					
1	Supply and Installation of Ceiling Mount Speaker (6 W) Brand: TOA & Model: 648R Country of Origin: Japan (Assemble in China)		Set.	36		
2	Supply and Installation of Wall Mount Speaker (10W) Brand: TOA & Model: 610M Country of Origin: Japan (Assemble in China)		Sets.	12		
3	Supply and Installation of Mixer Power Amplifier Brand: TOA & Model: A-2240 (240W) Country of Origin: Japan (Assemble in China)		Nos.	1		

4	Supply and Installation of Desk-Top Type Paging Microphone Brand: TOA & Model: PM-660 Country of Origin: Japan (Assemble in China)		Nos.	1		
5	Supply and Installation of Sennheiser Wireless Handheld Microphone system		Nos.	1		
6	Supply and Installation of Speaker Cable and 20mm dia PVC Conduit Country of Origin: China (Cable); Conduit (Bangladesh)		Mtr	600		
7	Testing, Commissioning and Programming		Nos.	2		
Subtotal						
L	Air Condition					
1	Brand Name : General Type Of Air-Conditioner : Split Wall Type Capacity : 18000BTU/1.50 Ton PS Room(Room size=13.3x12=159.6sft)		Nos	1		
2	Brand Name : General Type Of Air-Conditioner : Split Wall Type Capacity : 18000BTU/1.50 Ton Loby (Loby size=510sft)		Nos	2		
3	Brand Name : General Type Of Air-Conditioner : Split Wall Type Capacity : 24000BTU/2.00 Ton SVP Cabin (Cabin size=17.10x13=222.3sft)		Nos	1		
4	Brand Name : General Type Of Air-Conditioner : Split Wall Type Capacity : 30000BTU/2.50 Ton Cafee Room(Cafee size=39.9x15.10=602.49sft)		Nos	2		
5	Brand Name : General Type Of Air-Conditioner : Split Ceiling Type Capacity : 36000BTU/3.00 Ton President Cabin (Cabin size=21.6x17=367.2 sft)		Nos	1		
6	Brand Name : General Type Of Air-Conditioner : Split Cassette Type Capacity : 24000BTU/2.00 Ton VIP Lounge Room (Room size=17.10x26.4=445sft)		Nos	2		
7	Brand Name : General Type Of Air-Conditioner : Split Wall Type Capacity : 24000BTU/2.00 Ton Coference Room (Room size= 26.11x15.10=394.26 sft)		Nos	2		
8	Brand Name : General Type Of Air-Conditioner : Split Cassette Type Capacity : 36000BTU/3.00 Ton Auditorium Room (Room size=39.10x35.10=1372sft)		Nos	6		
9	Brand Name : General Type Of Air-Conditioner : Split Cassette Type Capacity : 30000BTU/2.50 Ton Lounge Room(Room size=19.3x25.8=497.94sft)		Nos	2		

10	Brand Name : General Type Of Air-Conditioner : Split Wall Type Capacity : 24000BTU/2.00 Ton VP Cabin (Cabin size=16.7x14.8=247.16sft)		Nos	1		
11	Brand Name : General Type Of Air-Conditioner : Split Cassette Type Capacity : 24000BTU/2.5.00 Ton Lounge Room (Room size=590 sft)		Nos	4		
Air Condition						
M	Furniture					
1	Meeting Room Chair Upholstery : Seat -PVC/Fabric ; Back -Mesh Chair Description : With normal tilting mechanism, with adjustable armrest, with black plastic base and gaslift for seat height adjustment	Merryfair-Malaysia	21	Nos.		
4	PS Cabin Chair : Upholstery : Seat -PVC/Fabric ; Back -Mesh Chair Description : With normal tilting mechanism, with adjustable armrest, with black plastic base and gaslift for seat height adjustment	Merryfair-Malaysia	1	Nos.		
5	PS Visitors Chair :Upholstery : Seat -PVC/Fabric ; Back -Mesh Chair Description : With adjustable armrest, with black cantilever base	Merryfair-Malaysia	2	Nos.		
6	President/SVP/VP Cabin Chair: UPHOLSTERY:HEADREST : MESH UPHOLSTERY BACKREST : MESH UPHOLSTERY SEAT : FABRIC / PVC CHAIR SPECIFICATION :WEIGHT-SENSING MECHANISM HEIGHT ADJUSTABLE ARMREST ALUMINIUM POLISH BASE	Merryfair-Malaysia	3	Nos.		
7	President/SVP/VP Visitor Chair : UPHOLSTERY BACKREST : MESH UPHOLSTERY SEAT : FABRIC / PVC CHAIR SPECIFICATION :WEIGHT-SENSING MECHANISM HEIGHT ADJUSTABLE ARMREST ALUMINIUM POLISH BASE	Merryfair, Malaysia	7	Nos.		
8	Sofa					
	Providing and supplying single seater sofa with wooden framework and fabric finish.					
a	Single Seater -Size : 750 (L) x 750 (W) mm	Local Best	17	Nos		
b	Double Seater -Size : 1550 (L) x 750 (W) mm	Local Best	4	Nos		
c	3 Seater -Size :2000 (L) x 750 (W) mm	Local Best	2	Nos		
9	Auditorium Chair	Local Best	70	Nos		

10	Meeting table: FULL VENEER, 50mm thickness, divided into 4 parts , with pop up cover SV and cable tray for sockets. 6400*1200*750	Local Best	1	Nos		
11	Table of President/SVP/VP Main table: 3020*1100*760 return cabinet: 2330*730*575 Veneer table top, with Black Real leather Pad on the main table, pedestal inside for cabinet is black melamine covered by black PU leather	Local Best	3	Nos		
12	PS Table with Return PAR-DD-2220 main table 2000*850*750 return cabinet: 2000*600*640	Local Best	1	Nos		
14	High Coffe Corner Table Size: 5700mmX1800mm X1200mm height	Local Best	1	Nos		
15	Round table for lounge & president room	Local Best	11	Nos		
13	Coffe Corner Chair	Local Best	16	Nos		