

INTERIOR FURNISHING WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM		
ON 3RD FLOOR AT PANBAZAR, GUWAHATI, ASSAM		
SUMMARY SHEET		
SL. NO	ITEM DESCRIPTION	AMOUNT (RS.)
A	INTERIOR FURNISHING WORKS	
1	CARPENTRY & INTERIOR WORKS	
2	ELECTRICAL & OTHER RELATED WORKS	
3	VOICE & DATA CABLING WORKS	
A	TOTAL OF INTERIOR FURNISHING WORKS	
B	NON - INTERIOR WORKS	
1	CIVIL & PLUMBING WORKS	
2	CCTV & FIRE ALARM SYSTEM	
3	AIR-CONDITIONING WORKS	
4	BROUGHT OUT ITEMS	
B	TOTAL OF NON- INTERIOR WORKS	
B	GRAND TOTAL (A + B)	
* GST Shall be payable Extra at applicable rates		

ESTIMATED BOQ OF CARPENTRY WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

PART A :- CARPENTRY WORKS

SR.NO	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	NOTES				
i	The rate shall be include of frame work above false ceiling level. Measurement should be taken up to false ceiling level and visible portion only.				
ii	Basic rate of Laminate shall be considered as Rs 42/SFT				
iv	Basic rate of Solid Surfaces (CORIAN) 6mm thk shall be 1150/ sft, and for 12mm shall be 1800/ sft				
V	All Hardware Fittings & Fixtures should strictly be of Haffle or Hettich only				
A	PARTITION WORKS				
1	FULLY GLAZED PARTITION - WITH TOUGHENED GLASS				
	Providing and fixing of Fixed Glass partition with 10mm thick toughened glass using Standard fittings of above - mentioned makes at the top and grouting at the bottom with U - Shaped Aluminium rails and EPDM gaskets including cutting, making holes in glass and fixing the fittings in floors, false ceiling etc. and making the same good with necessary screw, sealent wherever required. The top fittings to be fitted to the Wooden section fixed above the Gypsum board in the level of GI channels of False ceiling.Rate shall be inclusive of frosted film and bank logo to be fixed over the glass surface as per deign and as directed by the architect				
a	OZONE Make: OGL-PR-11 or equivalent, 2 MTRS GLASS WEDGE SYSTEM Shoe screw, shoe, flip cap etc complete.	S.FT.	148		
2	FULL HEIGHT SOLID PARTITION FINISHED WITH PLY ON BOTH SIDES				
	Providing and fixing full height solid partition upto ceiling height consisting of G.I. frame and required board fixed on both sides . It shall including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, Galvanised M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each with zinc coating of 120 gms/sqm(both side inclusive)) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws. The partition should be finished with 1.0mm thk Laminate/ 4.0mm thk Veneer finished in melamine polish. The shade of laminate / veneer and polishing finish to be got approved from the Architect.				
	 veneer shade - Senzura Styles from Century Veneers make . Shade- F612- White Oak Thud Crown, and F716- Sapeli Chime				
	LAMINATE SHADE -				
a	FINISHED WITH BOTH SIDE LAMINATE	S.FT.	1260		
b	FINISHED WITH ONE SIDE LAMINATE & OTHER SIDE PLY	S.FT.	94		
3	SEMI HT. SOLID PARTITION IN LAMINATE				
	Specification same as Solid Partition above but of low ht as per the drawing. The partition shall be finished with 1.0mm thk laminate of approved shade and make over 8/9mm thk plywood fixed on both sides of the partition framing. All external surface and edges to be finish with 1mm thk laminate of approved shade & make. Providing and Fixing inserted Soft board / White boards / Glass maintaining the vertical surface lines and no extra measurements would be taken for the soft boards / white boards / Glass	S.FT.	18		
4	GLASS WOOL FOR PARTITION	S.FT.	1250		
	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS : 8183,(acoustic insulation material) 32kg/cum density of 50mm thick wrapped in 200G Virgin Polythene bags placed in between partitions and wall panelling and held in position by criss-crossing GI wire. It should be ensured that the fiberglass wool is wire-braced(chicken mesh) to prevent it from 'lumping down' over a period of time. The actual surface area of the insulation only will be measured for payment.				
5	FULL HEIGHT ACOUSTIC SOUND PROOF PARTITION IN SLIDING & FOLDING TYPE AS PER DESIGN	S.FT.	238		

	Providing and making Sliding folding partition of different sizes , made strictly with HAFELE hardware fittings as per the specifications as detailed and as per the different numbers of leaves(450-600mm wide) made of 2"x1" aluminium section frame filled with 24 kg density glass wool insulation wrapped FRP tissue and finished with 8mm plywood on both sides and finished with Optra Acoustical Wall Paneling' with square edges made of fibre glass substrate 25mm thick and wrapped on the front side with an acoustically transparent and classified for Fire reaction Class A as per ASTM E-84, fabric with an option of colors – Husk, Copper, Sangria, Sesame, Coffee, Charcoal, Titanium, Flame, Peanut & Shell as per the choice of the Architect of size 600X1800 mmx 25mm and 600x 600mm x 25mm, providing a minimum sound absorption level of 0.85 NRC to be affixed to wall using Wall panel impalers supplied by M/s Armstrong Industries India Pvt. Ltd and construction adhesives as per the instructions laid down by the manufacturer..The channels to be used shall be of Dorma or equivalent . The rate shall include all the necessary hardware necessary for making complete as per the design. including Anti Termite Treatment.				
	ALL HARDWARE FITTINGS SHOULD STRICTLY BE OF HAFELE MAKE ONLY				
	HARDWARE FITTINGS FOR PARTITION LENGTH OVER 5000MM, 4000 MM AND 2000MM				
	Top Runner - TOP RUNNING GEAR HANGER FOR CNTR FIX, Article No- 943.34.441 or other as per the partition length				
	Bottom Pivot - BOTTOM PIVOT SLIDING FLDN CNTR FIX, Article No- 943.34.442, or other as per the partition length				
	Butt Hinges - SS BLBRNG BUTT HNG 102 X 76 X 3 MM SS MT, Article No- 926.13.003, or other as per the partition length				
	Top Track - TOP TRACK 75 KGS SYSTEM ANODISED 4000 AND 2000 MM, Article No- 943.34.940 AND 943.34.920, or other as per the partition length				
	Bottom Guide - BOTTOM GUIDE CHANNEL ANODISED 4000 AND 2000 MM, Article No- 943.33.740 AND 943.33.720, or other as per the partition length				
	FLS HLE RECTAGL - FLS HLE RECTAGL 150MM X 54MM AND SS MATT, Article No-902.01.422, or other as per the partition length				
	CSLD FLUSH BOLT - CSLD FLUSH BOLT 450MM AND 190MM SS MATT (304), Article No-911.62.671 AND 911.62.670, or other as per the partition length				
B	PANELLING				
1	PANELLING ON WALLS/ COLUMNS - with or without frame				
	Providing and fixing of wall panelling directly on the wall surface with or without any framework with 12mm thick commercial grade ply and then finished with 1.0 mm thick. laminate/ with 4.0mm thk veneer in mellamine polish of approved shade. If the framework is required it shall be of aluminium hollow sections of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL make as internal frame structure placed horizontally & vertically in 550 mm x 550 mm or 600mm x 600mm center to center or as directed by the Architect . All woodwork & laminate shall be finished with two or more coats of Melamine or PU polish over one coat of sealer; all complete as per the instructions of Architect. The rate shall be inclusive of provision of groove with 1.0 mm thick. laminate along all 3 sides of the groove in the panelling of size 12mm x 12mmx 18 mm ht. and as directed by the Architect. This item also includes scaffolding for maximum height upto 4.0 m from floor level.				
a	WITH LAMINATE FINISH	S.FT.	1030		
2	PANNELLING WITH 6 MM THK LACQUERED GLASS OF APPROVED SHADE	S.FT.	78		
	Providing and fixing of 6mm thick lacquer glass SGG Planilaque glass of approved color by architect/ Client with SGG Planifix silicon on perfectly leveled water proof non-conventional plywood (preferably marine plywood) of minimum 12mm thickness mounted on the BRICK or RCC wall/any other structure. The SGG Planilaque lacquered glass to be of 6mm thick highly durable, humid resistance, poly urethane lacquer glass. The Planilaque glass should be manufactured by industrial curtain coating process. It should meet quality standards as per BS EN 1036 1999 & confirms to PERSOZ hardness test of at least 220 oscillations. The substrate of the glass should conform to Standard BS EN 572 1995 parts 1 and 2: Glass in Building – Basic soda lime silicate glass products. Planilaque lacquered glass to be manufactured to right specifications, relating to consistency of color, opacity and homogeneity throughout production campaigns and also to the ageing properties, mechanical resistance, and resistance to humidity and to chemical agents of the lacquer. The color of the lacquer should remain stable when exposed to normal levels of ultraviolet light in interior applications.The rate shall be inclusive of levelling the surface with 9/12 mm thk plywood base panelling as required for fixing the glass.				
3	PANNELLING ON WALL WITH WPC PANNELS OF SIZE 2950MM (LENGTH)X 195MM (WIDTH) X 27MM(HEIGHT)	S.FT.	96		
	Providing and fixing panelling on wall & ceilings with WPC (Wood Plymer Composite) Fluted Panels of size 2950MM (LENGTH)X 195MM (WIDTH) X 27MM(HEIGHT) of LEBEN/ Alutuff / Murrato or other approved make of approved shade in approved pattern as directed by the architect. Rates shall be inclusive of all hardware fittings sna fixtures as required to fix the same on the wall and ceilings including				
4	PANELLING WITH WALL PAPER	S.FT.	148		

	Providing fixing and pasting Wall paper as per design & details. The item includes making POP base to get a uniform smooth surface. (base Price Rs. 100/ sqft.without taxes) The fixed area of wall paper shall be considered for payment and not the area of procured material.				
5	PLYWOOD BOXING WITH FRONT SHUTTER TO ACCOMMODATE SHUTTERS OF SLIDING & FOLDING PARTITION	S.FT.	146		
	Providing erecting & fixing plywood boxing made with 19mm thk Plywood and finished with laminate of approved shade and make in approved pattern as directed by the Architect/ EIC., to accomodate and conceal the shutters of sliding & folding partition when kept open, on either sides. It shall be provided with a 12/15mm thk double shutter on hinges , which shall be closed after insertion of all sliding partition and fixed with magnet.				
6	PANNELLING WITH 6MM THK CORIAN OF APPROVED SHADE	S.FT.	42		
	Providing and fixing of paneling with frame so as to receive a plain and even surface in exact plumb line , covered with 6 mm thick Marine ply and finished with 6mm thick CORIAN of approved shade and make as per the design. Rate shall be inclusive of necessary plywood boxing and frames as required so as to cover the same with approved shade of corian as per design and pattern as mentioned in the detailed drawing and as directed by the architect				
7	PANNELLING WITH 4mm thk polished SS strips	RFT	0		
	Providing and fixing panelling on wall/ partition with 4mm thk polished SS strips of 304 grade - Bottomline make at palces as mentioned in the drawing and as directed by the architect. The rate includes cost of adhesives like fevicol,silicon, nails, screws and labour charges etc. all as per instructions of EIC / Architect				

9

PANNELLING WITH 8/9MM THK MDF JAALI OF APPROVED SHADE AND PATTERN/ DESIGN IN CNC CUT

S.FT.

66

	Providing & fixing of approved shaped and design CNC cutting 8/9 mm thk MDF board panels fixed to walls/ partitions and in places as directed by the architect (As per design approval from the architect) To be finished with nutty finish spray paint (approved colour)				
10	PANELLING ON OUTSIDE WALL/COLUMNS WITH 4MM THK ACP IN TIMBER SERIES	S.FT.	112		
	Providing and fixing panelling on wall with 3mm thick Aluminium Composite Panel (Timber Series) for cladding at walls/ partitions/ columns at places as directed by the EIC/ Architect, of ALU Decor / Aluco Bond / Alo Bond or approved equivalent make for Internal wall / column / partition cladding in combination with other colours , including all necessary frame work and complete weather sealing. The composite panel should consist of 2.5mm thermoplastic core of LDPE sandwiched between 2 skins of 0.25mm thick aluminium sheet (alloy designation 310S) making a total panel thickness of 3mm. The surface will be furnished with Lumiflon based flourcarbon coating on top sides and service coating on reverse side. Coatings shall conform to specifications of specifications of ECCA / AAMA and conforming to the mechanical properties of panel as per detailed technical specifications. the system shall be fixed using GI brackets and stainless steel bolts and nuts complete with spring washers and cap nuts and all other necessary accessories. The bracket support shall be designed as per manufactures specification and shall withstand a wind pressure of 150 kg / sqm. all hardware shall corrosion resistant frame out of anodised aluminium member. Rate shall be inclusive all hardware fittings and fixtures, adhesives, silicon etc. all complete				
11	SEALING OF VENTILLATOR WITH 18/19MM THK WPC BOARD	S.FT.	350		
	Providing and fixing panelling on ventilators using 18/19mm thk WPC Board, after closing all the ventilator tightly from inside , so as to avoid any leaquages from outside to inside surfaces.				
9	NOTICE BOARD	SFT.	24		
	Providing and fixing notice board size as required/ directed (matching with the panel of the cabin) with openable shutter on the front. Made out of 19mm thick Steam beech veneered block board frame and outer frame in 2 1/2" x 1 1/2" Steam beech wood section , concealed hinges , locking arrangement , and glass of (5.5mm thick) with rear panel of SITATEX board , covered with fabric of approved shade. (Basic rate Rs.100/-per mtr , 48" width), fixed to back ply 6mm thick . All complete including melamine polish in stain of required shade. All complete as per approval of the Architect / employer				
10	CUATOMISED COLOURED VINYL FILIM/ WALL PAPER OVER WALLS/ PILLARS/ PARTITIONS	SFT	104		
	Supplying and Fixing coloured flex/ Customised Wall paper showcasing the culture and heritage of NE States in approved pattern & Design as approved by the architect on finished walls/ partitions/ceilings/pannelling, as directed by the architect with approved make of adhesive.				
11	DRY PLANTER BOX WITH POT & PLANTS	NOS	12		
	Providing and fixing dry Planters Boxes of avg. size 350mm x 350mm x 300- 450mm(H); The Planter Box shall be made out of 2 nos 18 mm thk. sandwiched plywood - sides finished in both inner and outer surfaces with 1.0mm thk laminate of approved shade and all exposed side edges of Ply/ board shall be covered with teak wood beading finished with matching Deco paint to give it similar finish. Rates shall be inclusive of 12-14" dia PVC Flower pot with artificial/ natural plants as per architect's choice.				
12	ARTIFICIAL WALL HANGING CREEPERS	RFT	800		
	Supplying and Fixing washable Sphinx Artificial Leaves Garlands/Creepers For Decoration, Made up of polvester fabric. commonly used for decoration of reception area and walls.				
13	10MM GLASS SHELVES- 250-300MM WIDE	RFT	56		
	Providing and fixing 12mm thk Clear Glass Shelves, 250-300MM WIDE in mirror polished edges as per design. The Glass selves should be fixed with the help of Stainless Steel F Type Glass Shelf Bracket Square 12 Inches, with screws to walls / partitions/ pannelling, at an interval of 24-30" as per design and as directed by the architect				
C	DOORS				
1	ENTRANCE DOORS - WITH TOUGHENED GLASS (PATCH FITTINGS)				
	Providing and fixing frameless fully glazed 12mm thk toughened float glass fixed with necessary patch fittings(Dorma make) including cutting, making holes, cutouts in the glass of required shape and size to acBWPodate fittings and fixing the fittings in floors, soffits, jams including necessary fixtures, screws, sealent wherever required and SS cover over patch fittings. Rate shall include necessary etching film / LOGO, approved patch fitting locking systems, 1 pair of 12" long S. S. (C Shape) Handles of approved make, floor springs, and any necessary hardware items.(ABOVE MENTIONED MAKES Top Pivot , Top Patch Fittings, Bottom Patch fittings , Floor Spring , Corner lock with strike plate and Euro Profile Cilinder, C Shape Handle 25mm dia X 300mm length)				
a.	DOORS - WITH OZONE / HAFFLE / HETTICH MAKE FITTINGS	S.FT.	166		
2	SOLID DOORS- IN LAMINATE FINISH (with hardware fittings MAKE EVERITE / GOLDEN /HARDWIN /EVEREST) (WITH OR WITH OUT VISION PANEL AS PER DIRECTION OF the ARCHITECT				

	Providing and fixing solid doors of sizes as shown in the drawing. The door shutter shall of 35 mm thick flush shutter of approved make and finished with Veneer finished with melamine polish on both sides. The edges finished with steam beach lipping. A door frame of 3.5" x 2" steam beach section shall be provided finished in mellamine. Rate shall include Dead lock (Godrej Make), floor springs / door closure (as the case may be), door stopper, a pair of handles 12" SS Brushed finished, 5" hinges 4 Nos., buffers, tower bolts, etc with necessary hardware items and with or with out door frames as mentioned above				
i	With Door Closure with BOTH SIDE LAMINATE	S.F.T.	154		
ii	Same as above as 3 (b) but finished on both side laminate a	S.F.T			
iii	RE-MODELLING OF EXISTING DOOR SHUTTER & FINISHING WITH BOTH SIDE LAMINATE	NOS	4		
	Repair & Remodelling of existing Flush Door by replacing/ fixing 1.0mm thk laminate of approved shade and make in approved pattern and fitting new hardwares including- Door Closer, Door Stopper, Mortice lever lock, S S Hinges, etc all complete				
c	TOILET DOORS				
i	WPC DOOR FRAMES FOR TOILETS OF SIZE 100MM X 80MM	RFT	38		
	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceosetory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58- 60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (rate shall be inclusive of the cost of M.S hold fast/lugs or SS dash fasteners etc, all complete). Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made. Frame size 65 x 125 mm, Make- ALSTONE or equivalent				
ii	WPC DOOR FOR TOILETS	S.F.T	35		
	Providing & Fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibre (wood powder, rice husk, wheat husk) and non toxic additives (Maximum Toxic level of 12 per 100 gms) having maximum density of 650 kg/ cum and screw withdrawel strength of 1800 n (Face) and 900 N (Edge), minimum compressive strength of 50N/mm2, modulus of elascity 850 N/ mm2 and resistance to spread of flame of Class A category with propoerty of being termite / borer proof, water/ moisture proof and fire retardent. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesives on both faces of shutter and fixing with stainless steel butt hinges of required sizes with necessary full body threaded star headed counter sunk s s screws, all as per direction of Engineer-in-Charge.The door shutter shall then be finished with 1.0mm thk laminate of approved shade ands make in approved pattern as directed by the architect. Note- Rate shall be inclusive of Stainless Steel butt hinges and screws, Tower Bolt, 6" S.S D Handle, etc. all complete. 30 mm thick, Make- ALSTONE or equivalent				
D	STORAGES				
i	LOW HT. STORAGES (1'-6" DEPTH X 2'-6" HT.) (BACK CREDENZA)				
	Providing and laying low ht. Storage units of sizes as mentioned above. They shall consist of a top of ¾" thk. BWP. Ply, ¾" thk. BWP. Ply sides and base, ¾" thk. Marine ply back, ¾" thk. BWP. Ply shutter with self closing higes of hafele make(full ovel open) & PVC lipping matching with approved laminate/Veneer on all the edges. All external surfaces to be finished in 1.0 mm laminate (suede finish)of approved make. Division of shutters shall be made equally according to the length of the storage. A ¾" thk. Fixed BWP. Ply shelf on battens shall be provided at 16" intervals from the base. Suitable wooden moulding (as per Architects design) with mellamine shall be provided to the edge of the storage top. All inner surfaces including shutters shall be finished with 0.80mm thk laminate of approved shade and colour. Rate shall be inclusive of all necessary approved fittings like hinges(Hafele make), locks(Godrej make/Vijayan), 3" long brushed finish handles(kich -neki make-CHR103),tower bolts and any miscellaneous hardware items.				
a	2'-6" HIGH IN LAMINATE FINISH	S.F.T	122		
b	2'-6" IN VENEER FINISH	S.F.T			
ii	FULL HT. STORAGE IN LAMINATE FINISH	S.FT.	158		

	Providing and fixing storage units of full height as per drwng. They shall consist of 18mm thk.BWP. ply top, sides,back, bottom, shelves and shutters. The bottom of the storages shall be at 3" from FFL. The top of storages shall touch the false ceiling level or 7'-0" ht. The shutter with box type hinges of approved make & steam beach lipping finished with melamine with approved laminate on all the shutter edges. Division of the shutters shall be made equally according to the length of the storages (as approved by Bank/ architect). All the external surfaces shall be finished with 1.0mm thk. Laminate (suede finish) of approved make. 18mm thk. BWP. Ply shelves removable type supported on side steam beach wood battens on both sides at 16" interval (approximately / divided equally) shall be provided. All inner surfaces shall be finished with laminate including the shutters. Rate shall be inclusive of all necessary approved fittings like hinges, locks, 150mm long SS brushed finish handles,tower bolts, locks and any necessary hardware items. The top ply edge should be fitted with 19mm x 7mm size steam beach moulding finished with melamine.				
iii	OVERHEAD STORAGE IN LAMINATE FINISH	S.FT.	66		
	Providing and fixing over-head storages which consist of 18mm thk. BWP. ply shutter with box type hinges of approved make & Steam beach lipping with approved laminate on all the edges. The shutter should be made of 18mm thk. BWP. Ply top, sides, rear and bottom. All the external surfaces shall be finished with 1.0mm thk. Laminate (suede finish) of approved make. Division of the shutters shall be made equally according to the length of the storage. The edges of the shutters shall be provided with steam beach lipping. One Ply shelf of 18mm thick BWP.ply removable type supported on side steam beach wood battens on both sides (divided equally) shall be provided. All inner surfaces shall be finished with laminate including the shutters.. Rate shall be inclusive of all necessary approved fittings like box type hinges, locks, tower bolts, 100mm SS Brush finished handle etc.				
iv	SHUTTERS BELOW GRANITE COUNTERS IN PANTRY/ KITCHEN / WASH BASIN IN LAMINATE FINISH	S.FT.	102		
	Providing and fixing 19mm thk. BWP ply shutters with ply frame, skirting gap as shown in the drg. shall be maintained. Division of shutters shall be made equally according to the length of the counter. Shutters shall be hinged to the framework and finished with 1.0mm thk. Laminate (suede finish) of approved shade from outside, applied with approved oil paint from the inside and edges of shutters with steam beach lipping. Rate shall be inclusive of all necessary approved fittings like hinges, ball catch, handle, and any necessary hardware items.				
v	18'-24" WIDE & 1.5" THK PLYWOOD SHELVES	R.F.T	42		
	Providing and fixing 1'-6" to 2'-0" plywood shelves made with 19mm thk plywood/ block board and finished with 1.0mm thk laminate of outer surface and 0.80mm thk balancing laminate on the inner surfaces. The shelves to be supported on 25mm x25 mm T.W beading fixed to walls on available sides & back walls				
vi	KEY BOX	NOS	1		
	Providing and fixing key box of size 1' 6"x1' 6"x 6" with all sides and back with 18mm thick BWP. Ply wood and lockable glass shutters in 18mm ply , with 5 mm glass. Necessary hooks to be provided inside the box. All exposed areas and inside to be finished with 1 mm thick laminate of approved shade. The edges of shutter and box to be lipped with steam beach beeding polished with melamine. Rate shall be inclusive of all necessary approved fittings like hinges, locks, hooks etc. and any necessary hardware items.				
vii	SHUTTERS WITH FRAME FOR ELECTRICAL PANELS	S.FT.	44		
	Providing and fixing 18mm thk. Com ply shutters with same ply frame. Division of shutters shall be made equally according to the length. Shutters shall be hinged to the framework and finished with 1.0mm thk. Laminate of approved colour and shade on outer side and inside finished with 2 coats of enamel paint of app colour and shade. Rate shall be inclusive of all necessary approved fittings like hinges, ball catch,150 mm long SS Brush Finish handle, tower bolts, locks, Aluminium powder coated air vent grills and necessary hardware fittings complete, etc.,				
E	DESK, WORKSTATIONS & DRAWERS				
ii	RECEPTION DESK DESK - (4'6" X4'6") with Corian Top AND FRONT BOXING AS PER DESIGN	NOS.	1		
	Providing and making a table of over all size of top as mentioned above and as per design given. It shall consist of 18mm thk. BWP. Ply top finished with 6mm thk Corian of approved shade and make of MERINO Make with edge moulding and a 3 drawer unit with locks, handles etc. on the end of the table as shown in the drawing.(as approved by the architect). The drawer unit finished top should be at a lower level of 25mm below the finished counter top. The front modesty panel should be finished 18 mm BWP. ply with laminate (as approved colour / shade) with Metallic laminate. The customer side top should be at a height of 1 feet with 18/19mm thick ply and wrapped with 12mm thk Solid Surface (Corian) and taken down till half the length of the front apron of the table , of approved colour to be provided. The remaining part 15"-18" high of the front apron should be panelled with WPC louvers of approved shade and make in approved pattern. The inside of drawer units, and the tables should be finished with laminate of approved shade. All exposed surface should be finished with 1.0mm thk laminate wherever not mentioned and all the inner surfaces should be finished with 0.80mm thk laminate in frosty white colour & shade				
iii	CLASS ROOM DESK IN CORIAN TOP OF SIZE 2'-8" X 1'-10"	NOS	32		

	Providing and laying Class room Desk with 5" x 15" single drawer Below all made with 18/19mm thk. Comm. Ply . The Table top shall consist of 18/19mm thk Commercial Ply as per design and finished with 12MM thk Corian on top and bended in the front to act as an apron till 12" above FFL, in approved pattern and style as directed by the Architect. All exposed surfaces (except the part below table top and drawer self below shall be finished with laminate of approved shade and make. It shall consist of 2 side legs of 18/19mm thk on either side in approved shape and pattern and finished with approved shade of laminate on all sides. The bottom of the table top should be finished with 0.60/0.80 mm thk balancing laminate of approved shade and make				
iv	TRAINING INCHARGE'S TABLE- Overall size : 6" x 3'- 0" IN LAMINATE FINISH	NOS	1		
	Supply and fixing of Training Incharge's table with top made up of 25mm thk ply and finished with 1.0mm thk laminate of approved shade and make on top as approved by the architect and wooden beading/ moulding all round melamine polished/ or edge deading. The table to include pedestal with two pencil drawers of 100mm deep & a file shutter of 450mm, wire manager, an keyboard tray, CPU trolley. The works to include all hardware like castors, brass hinges, ballcatches, fully extendable drawer slides, locks, handles etc. of approved make.Locks to be of single control type. All exposed surfaces to be finished with 1.0mm thk laminate of approved shade and make and all inner surfaces including the inner surfaces of the drawers and side cadenza should be finished with 0.80mm thk balancing laminate of plain ivory colour in matte finish. Rates shall also be inclusive of 12 mm thk clear glass with bevelled edges on all sides to be placed on the table top. All hardware fittings should strictly be of Haffle/ Hettich/Ozone make Only				
vi	ADMIN & FACULTY TABLE- Overall size : 5-0" x 2'- 6" IN LAMINATE FINISH	NOS	4		
	Supply and fixing of Chairman's table with top made up of 25mm thk ply and finished with 1.0mm thk laminate of approved shade and make on top as approved by the architect and wooden beading/ moulding all round melamine polished. The table to include pedestal with two pencil drawers of 100mm deep & a file shutter of 450mm, wire manager, an keyboard tray, CPU trolley. The works to include all hardware like castors, brass hinges, ballcatches, fully extendable drawer slides, locks, handles etc. of approved make.Locks to be of single control type.. All exposed surfaces to be finished with 1.0mm thk laminate of approved shade and make and all inner surfaces including the inner surfaces of the drawers and side cadenza should be finished with 0.80mm thk balancing laminate of plain ivory colour in matte finish. Rates shall also be inclusive of 12 mm thk clear glass with bevelled edges on all sides to be placed on the table top. All hardware fittings should strictly be of Haffle/ Hettich/Ozone make Only				
vii	WEBENAIR ROOM TABLE- Overall size : 4-6" x 2'- 3" IN LAMINATE FINISH	NOS	1		
	Supply and fixing of Chairman's table with top made up of 25mm thk ply and finished with 1.0mm thk laminate of approved shade and make on top as approved by the architect and wooden beading/ moulding all round melamine polished. The table to include pedestal with two pencil drawers of 100mm deep & a file shutter of 450mm, wire manager, an keyboard tray, CPU trolley. The works to include all hardware like castors, brass hinges, ballcatches, fully extendable drawer slides, locks, handles etc. of approved make.Locks to be of single control type. TAll exposed surfaces to be finished with 1.0mm thk laminate of approved shade and make and all inner surfaces including the inner surfaces of the drawers and side cadenza should be finished with 0.80mm thk balancing laminate of plain ivory colour in matte finish. Rates shall also be inclusive of 12 mm thk clear glass with bevelled edges on all sides to be placed on the table top. All hardware fittings should strictly be of Haffle/ Hettich/Ozone make Only				
viii	LIBRARIAN & CLASS ROOM FACULTY ROOM TABLE- Overall size : 3-6" x 2'- 0" IN LAMINATE FINISH	NOS	3		
	Supply and fixing of Chairman's table with top made up of 25mm thk ply and finished with 1.0mm thk laminate of approved shade and make on top as approved by the architect and wooden beading/ moulding all round melamine polished. The table to include pedestal with two pencil drawers of 100mm deep & a file shutter of 450mm, wire manager, an keyboard tray, CPU trolley. The works to include all hardware like castors, brass hinges, ballcatches, fully extendable drawer slides, locks, handles etc. of approved make.Locks to be of single control type. All exposed surfaces to be finished with 1.0mm thk laminate of approved shade and make and all inner surfaces including the inner surfaces of the drawers and side cadenza should be finished with 0.80mm thk balancing laminate of plain ivory colour in matte finish. Rates shall also be inclusive of 12 mm thk clear glass with bevelled edges on all sides to be placed on the table top. All hardware fittings should strictly be of Haffle/ Hettich/Ozone make Only				
ix	SIDE CADENZA- OVERALL SIZE 3'-3"-3'-6" X 1'-3" X 2'-6"				
	Providing and laying side cadenza of above sizes and as mentioned in the drawing.It shall consist of 3/4" thk plywood top, side and bases and 1/4" thk back. The edges on th top shall be provided with suitable(as per architect's design)wooden moulding with melamine finish.A pair of 3/4" wood shutters will be provided which will slide on 1" x1" wooden battens above skirting. 1" a3/8" deep vertical depression shall be made on each shutters to act as handle as shown in the drawing. All external surfaces should be finished in 1.0mm laminate / veneer of approved shade and make. A 3/4" thk fixed ply wood shelf on battens shall be provided at 16" intervals from the base.Rates shall be inclusive of necessary approved fittings like sliding rollers, locks, tower bolts and any other misc. hardware items				

a	IN LAMINATE FINISH-OVERALL SIZE 3'-6" X 1'-6" X 2'-6"	NOS	1		
c	IN LAMINATE FINISH - OVERALL SIZE 3'-0" X 1'-6" X 2'-6"	NOS	5		
x	DINING & LIBRARY TABLE OF OVER ALL SIZE- 3'-6" DIA IN LAMINATE FINISH WITH GLASS TOP	NOS	8		
	Providing and making a table of over all size of top as mentioned above. It shall consist of 12mm thk Clear Glass Table top with bevelled edges (Machine polished) as per design (double edge on outer edge with 1 1/2" thk half round moulding on the edges) supported on 3/4" thk. BWP. Ply verticals supported on plywood/ wooden base (as designed by the architect), and finished with 1.0 mm thk laminate of approved shade and make. Suitable wooden moulding as architect design with mellamine shall be provided to the edge of the top. All exposed surfaces to be finished with 4.0mm thk veneer of approved shade and make in P.U Polish				
xi	LUNCH PLATFORM (1' 6" WIDE) IN CORIAN FINISH	RFT	20		
	Providing and laying platform of 1'3" to 1'6" width (Clear width) and at 3 '6" height (finished top level) from floor of approved 6mm thick CORIAN with bull nosed edges. It shall be laid on BWR ply wood 19mm thick supported on Steel L angle bracket. The plat form should be cantilevered from the wall as shown in the drawing. 9" wide 19 mm thick BWR ply wood to be provided below the entire lunch counter for tiffin and kitchen items. The ply surface to be painted with enamel paint after applying putty.				
F	FALSE CEILING & POP WORKS				
i	FALSE CEILING IN GEOMETRICAL SHAPES IN PLYWOOD AND FINISHED WITH PAINT IN APPROVED SHADE FINISH	Nos	11		
	Providing and fixing wooden ceiling in geometrical shape like Hexagon, Pentagon, Etc, made with 12mm ply , finished with approved shade of paint/ laminate as directed by the architect and necessary support from ceiling of 2"x1" Sal wood members provided at 2'-0" c/c as per design and as directed by the Engineer in charge/ architect				
ii	FALSE CEILING - GYP BOARD	S.FT.	1490		
	Providing and fixing Gypsum false ceiling comprising of the following:				
	Framework: GI channel framework in 24 to 26 guage. The perimeter channel will be GI channel having one flange of 20mm and the other 30mm and web 27mm along the perimeter of the ceiling. It shall be screw fixed to brick wall / partition with the help of rawl plug of dimension 38mmx12mm dia fixed into the soffit at 610mm centres. The intermediate channels of size 45mmx0.9mm thick with flanges of size 15mm each shall be suspended from ceiling using angle of size 25mmx10mmx0.55mm spaced not more than 1220mm c/c which are fixed to soffit with GI 27mmx37mmx25mmx1.6mm cleat and steel expansion fasteners. Ceiling section of 0.55mm thickness having curled web of 80mm and flanges of 26mm are fixed to intermediate channel with the help of connecting clip of 2.64mm dia perpendicular to intermediate channel at 457mm centre to centre.				
	Ceiling Board: Gypsum board false ceiling of India Gypsum make - Plain Gypboard: Milky white colour of 12.5mm thickness shall be fixed to the ceiling section using 3.5x25mm corrosion resistant self-tapping zinc plated dry wall screw at 230mm centres				
	No additional load like light fittings etc. shall be directly put on the ceiling frame. Separate suspension system shall be adopted for the same.				
	NOTE: The rate shall be inclusive of vertical drops/ bands upto 6-8" and provision for core lighting, small moulding, verticals in two levels, 18.75mm x 12.5mm grooves on the edges, cutouts for cove lights and AC grills				
	Note Only the plan area will be measured for payment. No Extra payment will be made for Grooves, Cutouts. Mouldings etc.)				
vi	2' X 2' GRID CEILING- DUNE MAX MICROLOOK of, SILHOUETTE series of Knauff Armstrong make	S.FT.	1452		
	Providing & fixing in position Acoustical Ceiling tiles of Armstrong -DUNE MAX MICROLOOK or approved equivalent make, SILHOUETTE series , in true horizontal level suspended on inter locking Grid system using hot dipped galvanized steel section, entire surface prefinished in baked polyester paint, rotary stitched double-web construction main Beam tee of size 42x15mm - 6mm reveal at every 600mm c/c maximum and double rotary stitched cross tee of size 42x15mm - 6mm reveal at every 600mm. c/c and Shadow moulding of size 19mm X 7mm X 7mm X 14mm fixed to periphery of the wall. The tiles and grid system to be used as follows:				
	TILE SIZE: 600mm X 600mm X 15mm				
	EDGE : DUNE MICROLOOK				
	FRAME WORK & INSTALLATION - silhouette section				
	Frame work to consist of:				
	Main Runner spaced at 600 mm center, fixed to the roof at every 1200mm c/c by using 2.0 mm thick pre-straightened GI wire. First and last hanger should not be at a distance more than 450mm from the adjacent wall				
	600mm x 600mm module to be formed by fixing 600mm Cross Tee between center of Main Runner.				
	Shadow moulding to be secured to wall at 450mm centers. Installation to be done as per approved Manufacturer's specification.				
vii	WPC BAFFLE CEILING	S.FT.	560		

	Providing and fixing panelling on ceiling with wood finished PVC /WPC Baffle of VOX make, including preparation of base by suspending with 12/19 mm thk plywood with necessary supports & framings from the slab in plumb line so as to fix the baffle. The size of each section in baffle should be 15mm x 50mm and having a gaping of 25-38 mm in between. Rate shall be inclusive of all framing, sections, screws etc all complete as required to fix the PVC panel to the desired wall surface. Note if Gypsum is used as Backing Material instead of Plywood of 12/19mm thk then no Payment for Gypsum shall be paid seperately				
G	POP PUNNING, WALL PUTTY & PAINTING WORKS				
i	POP PUNNING FOR GYPSUM CEILING	S.FT.	1500		
	Providing and applying POP Punning on Gypsum Ciling (average 6mm thk). The rate shall include scrapping, levelling and preparing the surface. The rate shall include scrapping, levelling and preparing the surface. The rate shall be inclusive of all types of grooves above the skirting, around the windows and door frames. If the average thickness is found to be 4mm or less than POP will be considered as a putti finish and the rate shall be 50% of the quoted rate				
ii	WALL PUTTY ON COLUMNS & WALLS	S.FT.	1800		
	Providing and applying Wall Putty on walls and columns (average 12mm thk). The rate shall include scrapping, levelling and preparing the surface. The rate shall be inclusive of all types of grooves above the skirting, around the window and door frames. <u>If the average thickness is found to 8mm~6mm or less,</u> then Wall Putty will be considered as pulti finish - at the rate of - 50% the quoted rate (Make: Birla / Asian / Berger)				
iii	PLASTIC EMULSION ON GYPSUM CEILING	S.FT.	1500		
	Providing & applying plastic emulsion paint on walls, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats to get evenly spread quality finish (roller finish) of approved make , quality & finish shall be provided.				
iv	LUSTRE PAINT ON WALLS	S.FT.	1800		
	Providing & applying Luster Paint on walls, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats to get evenly spread quality finish (roller finish) of approved make quality & shade shall be provided				
v	ENAMEL PAINT IN EXISTING ROLLING SHUTTER, WINDOW GRILLS & OTHER M.S WORKS	S.FT.	1200		
	Providing & applying 1 st quality oil paint of approved make, quality & shade. The rate shall include scrapping, levelling & preparing the surface with primer quote.				
vi	TEXTURED PAINT	S.FT.	156		
	Providing & applying a coat of textured finish on walls and columns. The rate shall include scrapping, levelling & preparing the surface. Primer coat + (minimum) 3 coats of approved make, quality & shade shall be provided				
H	ROLLER BLINDS, VERTICAL BLINDS, FILM etc.				
i	ROLLER BLINDS-	S.FT.	1480		
	Providing and fixing of Vista or Equivalent Roller Blinds having openness factor 3%, Weighted composition 75% PVC,25% Polyester with fabric thickness 0.6 to 0.7mm, 250cm of maximum width at 470 gsm(+ or - 5%) fabric weight conforming to the Fire resistance NFPA 701,BS 5867 part - 2 type A, with required colour fastness to light grade of 6 & UV Blockage up to 97% and Hardware consist of Control unit, Idler, Head rail, Roller tube, Bottom rail, Operating chain and Fixing brackets & clamps complete as per the hardware specifications as described below .The cost inclusive of supply,transport and fixing of Roller Blinds all complete making good to window /opening as per the directions of Engineer-In- Charge. The detailed item specifications are as under-				
	Control unit: The Control unit is made of high strength reinforced plastic. The clutch is of wrap spring design. High carbon steel springs are provided to transmit motion from driving to driven members of clutch Mechanism. Clutch is operated directionally by the use of endless beaded chain. Clutch never needs any Adjustment				
	Idler: Idler is of high strength reinforced plastic, consisting of a center shaft. The idler is mounted on the Bracket by using a plastic lock. The metal sleeve inside the plastic lock provides bearing surface for the Center shaft, which rotates freely, providing smooth, quiet and long wearing operation.				
	Roller tube: It is an anodized extruded tube of high strength alloy. Control unit and Idler are fixed to the either ends of the tube. The fabric of the blind is fitted to the tube with heavy duty adhesive tape.				
	Bottom rail: It is an aluminum extruded rail with a groove for fixing the fabric and power coated in white. It is fixed to the bottom of the fabric and the purpose of it is, to keep the fabric in tension and straight. The fabric is fitted to the tube using plastic insert. The end caps of the tube are ABS.				
	Operating chain: This is made of 4.5mm plastic beads molded on 2.2mm thick polyester chord. The pitch of the beads is 5mm. The chain drives the sprockets of the controlunit to close and open the blind. The pitch of the chain corresponds to the sprocket in perfect match for trouble free operation.				
	Fixing brackets & clamps: These are used to fix the blind to the wall or ceiling. 'L' bracket is made of mild steel and zinc plated. The clamp is made up of spring steel of thickness 0.7mm and zinc plated.				

	Roller tube : It is Aluminum alloy Extruded grooved tube, which is anodized. Size- 32mm- O.D.; weight - 0.27 ke/mtr / Size- 38mm- O.D.; weight - 0.38 kglmtr Alloy & temp- 6063-T6 Fabric is fitted on the tube with double sided tape				
	Bottom Rail : Extruded Aluminum grooved section- powder coated in white, Size:21mm O.D. Alloy- HE9WP, Weight-O.28 Kg/mtr. Fabric is fitted to the bottom rail with plastic insert. Bottom rail end cap- made of ABS ,Bottom Rail: Extruded Aluminum grooved section- powder coated in white, Size:21mm O.D., Alloy-HE9WP, Weight- O.28 Kg/mtr.				
J	MISC. ITEMS				
i	COLOURED DISIGNER FROSTING FILM	S.FT.	48		
	Providing and fixing Non-reflective matte, frosted, scratch resistant, high performance resin coated polyester film with required coloured frosting pattern on the glass surface complete as per the directions of EIC/ Architect (Payment shall be made for the finished area of the film actually provided. No deduction shall be made for openings upto 0.1 Sq.m. area each and nothing shall be paid extra for making such openings)				
ii	WOODEN FLOORING AT TRAINING INCHARGE'S CABIN	S.FT.	108		
	Providing and fixing Real Wood Floors of Shade- OAK NATURE/ OAK RADIANT of Mikasa ATMOS/EICHE From Greenlam Industries Ltd, Thickness: 10mm and plank dimensions size 1200mm X 125 mm X 10mm as per design and as directed by the architect, with veener thickness upto 0.60mm and core material being High Density Fibre Board in brushed/ matt finish, having a 10 years warranty on the use. The product should comply to EN14354. The Board should be constructed in 3 layers in order to minimise expansion and contraction with in the floor boards and the direction of the fibres within each layers should be oriented in such a manner that each layer is aligned at an angle of 90 degree with the other. It should fulfill the classification of Class G as per the fire classification. The Quoted Rate Shall be inclusive of 4"-6" High Skirting with the same material on all sides in Walls & Partitions without any extra cost. For Payment only the Floor Area Shall be Measured				
	<u>Note- Contractor Has to submit the Hard Copy of Certificate for 10years Warranty from Greenlam Industries to the Office alongwith the Final Bill and a Copy of the same to the Architect otherwise the Bill for this item shall not be considered</u>				
iii	ANTI STATIC LUXURY WOVEN FLOORING AT WEBENAIR/ STUDIO ROOM & CLASS ROOMS	S.FT.	880		
	Providing supplying and fixing 2.4m x 3.0m thick, Sound Absorbent, Anti Bacterial, Stain, water and Oil Resistant, Higenic and Easily Installable, LUXURY WOVEN FLOORING (LWF) suitable for Office,Corporates and Public area having overall length of 20-25 metres and Roll width of 1.80 m, having basic rates Rs 155-180sft, of shade as mentioned below- Conference/FAO- NATURAL SOUL, Reception/passage and other area- NATURAL CORAL & NATURAL BLACK(Special design below reception table as heighlites only) on the existing floor with proper adhesive. The rate to include preparation of sub-floor to even surface including all materials, labour, transportation , adhesive, fixing all complete as per the direction of the engineer incharge				
iv	SYNTHETIC ARTIFICIAL GRASS TURF	S.FT.	88		
	Providing and laying Synthetic grass Height of 4 15mm;Thickness,Density 44100 Stitches/ Sqm; 21Stitches / 10cm; Gauge3/16"; Dtex 44000D(PP Curly Yarn);Coating: Double PP+SBR Latex; Colour: Green				

v	COLOURED ACRYLIC SHEET LOGO FO THE BANK, BACK LIT				
	Supplying , fabricating and installation of Canara Bank's Logo of 2 NOS of Triangle (Blue and Yellow Colour) made of coloured acrylic sheet 5-6mm thk in box section, and as per the sizes as mentioned in the detailed drawings . This Coloured Acrylic sheet box logo should be fixed with strip light fitted from inside , as per the direction of the architect.				
i	OVERALL SIZE 750MM X 750MM	NOS	2		
ii	OVERALL ZIZE 450MM X 450 MM	NOS	5		
vi	3M SYNTHETIC DOOR MATS (4'-0" x 2'-0")	NOS.	3		
	Providing & laying in place Synthetic Door Mats (3M) of sizes not less that 4' x 2'.				
vii	POSTERS & DANGLERS	NOS.	12		
	Providing & Fixing the Poster Holders & Dangers as directed by the Architect on the walls/ panels / glazing etc. complete in all respect with-out spoiling the décor				
viii	INCUMBENCY BOARD	NOS	1		
	Supply and Fixing of Incumbency Board in G.M, DGM cabin or at place as directed by the Bank officials/ architect, of overall size 2'-6" to 3'-0" x 5'-0", made up of 19mm thk plywood finished with approved shade of veneer of 4mm thk. The board should be fitted with 19mm thk and 2" wide plywood patti all around and finisheed with approved shade of veneer of approved shade on the top. All edges shall be finished with mellamine polish of desired shade. It shall consist of 8mm thk toughened glass fixed with 6-8 nos of S.S Studs on the board as per design or as directed at site.The glass shall be embossed or fixed with sticker stating the name and date of officers joining the office is serial numbers.				
ix	MAGNETIC WHITE BOARD				
	Providing and fixing of magnetic white board of approved make scratch resistant matt finish P3 surface consisting of ceramic steel of thickness 0.55mm to 0.65 mm, having a weight of 3-4 kgs per sqm. The core material shall be of interior grade 9mm thickness with density 700 to 800 kg/cum. With a backing of galvanized steel of 0.25 mm thickness having approximate weight of 1.96 kgs/sqm. This entire assembly shall be housed in an anodized aluminum extruded section conforming to IS-6477 and IS-3965/2673 and corners of moulded ABS. The front and back surface will be affixed with 10-15 micron silver matt satin finish. This should be provided with clamp for hanging arrangement with locking facility including one set of accessories comprising of magnets, magnetic dry markers and magnetic				
a	4' x 6' (1200mm x 1800mm)	NOS	2		
c	4' x 3' (1200mm x 900mm)	NOS	1		
x	RAISED FLOORING/ PLATFORM IN PLYWOOD	SFT	88		
	Fabricating & Erecting 6"-8" high raise platform/ Floor made with 19mm thk plywood and finished with 2.0mm thk Vinyl Carpet of approved shade and make in approved shape as per design and as directed by the architect				
xi	PIN-UP BOARDS	S.FT.	48		
	Providing and fixing pinup boards. It consist 12mm thick soft boards of good density to be mounted over 12mm thick BWP. ply. The soft board will be covered with a plain fabric (appox Rs.250 /Rmts. of Dark Blue Colour) from front and edges. Suitable steam beach moulding 25mm x 25mm size to be fixed on all four sides and will be finished in melamine polish				
	Note : Only soft bord's provided on other than the partitions will be measured and soft board made in the partitions will be the part of the partition measurement (rate) and not consider separately.				
A	TOTAL OF CARPENTRY WORKS				

ESTIMATED BOQ OF ELECTRICAL WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

GENERAL NOTE

1	UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduit. (From input DB to UPS and from UPS Output to UPS Output DB)
2	All wires for circuit wiring and other wiring should be drawn inside M. S. Conduits Only unless otherwise specified
3	Specifications of all wires should be followed strictly as mentioned in the BOQ
4	All makes of materials should be strictly followed as mentioned in the detailed specifications of the Tender document
5	Earthing Test Certificate should be provided alongwith the Final bill for further bill verification
6	Single Line diagram showing the all the wiring including point wiring, computer and RAW power wiring, Circuit wiring etc. all complete should be submitted with the Final Bill
7	Only DATA and Voice point wiring is allowed to be carried out through MS Conduits

PART C :- ELECTRICAL WORKS

Sl. No	Description	Unit	Qty	Rate	Amount
SECTION-A					
I	WALL MOUNTED L T PANEL				
1.1	Supplying and installation of metal enclosed wall mounted front operated cubical type switch gear panel suitable for indoor installation conforming to IS: 8623 (Part I & II). Panel should be made of sheet steel and thickness not less than 2mm and structural steel having light section. The panel shall be completely dust tight and vermin proof and shall be painted with anti corrosive and anti condensation type two coats of primer and two coats of paint. All wiring shall be PVC insulated and PVC sheathed of 1100 volt grade of required size. The panel should have provision of entry of cable at the bottom and also provision of out going feeders from the bottom of the panel.It shall have compartmentalized construction with bus bar chambers, cable alley, cable glands plate etc. as required, duly painted from inside as well outside. The panel shall incorporated double busbar system. There should be 2 sets of BUS BAR in such a way that AC load should not be connected to GENERATOR power. The bus bar shall be of high quality copper of uniform cross section. The panel shall consist of the following items (viz. voltmeter, ammeter, CT, indicating lamps, selector switch etc.) connected as per drawing and shall be flush mounted on the front of the panel.				
a	Incomer :- 100A 4P 25KA MCCB - 1 No				
b	Outgoings :- 4 Nos. 25Amp. TP MCB (For LDB, UPS, Inverter and Spare Feeder) from Generator Powered Bus. 3 Nos. 63 Amp. TP, MCB (For AC DB and Spare Feeders) from Non-Generator Powered Bus. 3 Nos. 40 AMP DP MCB. 3 Nos (for Glow Sign board, Strong Room, and spare feeder) from generator Powered Bus. The design of panel should be got approved by the Architect before manufacturing. Also, the provision for 1/2 spare outgoings should be considered for future expansion. The job shall be completed to the satisfaction of the Bank.				
c	1 no., 0-400A, Ammeter with CTand selector switch				
d	1no., 0-500V, Voltmeter with selector switch and fuse				
e	1Set, TPN, Copper busbars of size 40mm x 10mm thk PVC insulated suitable for 640 Amp load				
f	1 Set, RYB, indicating lamps with resistors and fuses				
	Full Set as above	Set.	1		
1.2.	CHANGE OVER				
	Supplying with fitting and fixing Four Pole 415V Front handle operated On Load Change over switch (IP-20 protection powder painted sheet steel enclosure fitted on angle iron frame of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
	C&S, Havells, Indo Asian, HPL, GEICO make)				
	a) 100A	Each	1		
SECTION-B					
2	MCB DISTRIBUTION BOARD				
	Supplying, installation, testing and commissioning of surface/recess mounting, 220/415 volts prewired MCB distribution boards with all switchgears as specified below, of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned uniformly rated electrolytic copper bus-bar, common neutral link, earth bar, din bar for mounting MCB/MCCB/RCCBs detachable gland/knock out plates and with built in loose wire box, and superior make terminal connectors for all incoming and outgoings circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/neutral link and ready for installation as specified below:				
2.1	S.I.T.C. Of L.D.B. [MCB DB- LIGHT] (LIGHT DB)				

	S & I of 4 Way TPN (8+12) IP 43 PPI Horizontal Distribution Board for distribution to all Light points of different areas (as indicated in the circuit diagram), having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) - 25A, 10kA, TPN MCB as incomer - 1 Nos, output directly connected to 1 No of 25 A TPN RCCB (30 mA) 6/10 Amp (10 KA) SP MCB as outgoing - 4 Nos Note- Rates Shall be inclusive of S.I.T.C. of 3X 6+1x4 Sq.mm. F.R.L.S. copper flexible wires in 19/20 mm. MS conduit from Main D.B To L.D.B	No.	1		
2.2	S.I.T.C. Of P.D.B. [MCBDB-POWER] (Raw Power DB)				
	S & I of 4 Way TPN (8+12) IP 43 PPI Horizontal Distribution Board for distribution to all raw power points of different areas (as indicated in the circuit diagram), having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) - Incomer 40Amp 10kA, TPN MCB - 1 No .output directly connected to 1 No of 40 A TPN RCCB (30 mA) 16A SP MCB-2 Nos. 10A SP MCB- 12 Nos. with all wiring connections.(Max. 3 Points to be looped on one MCB, 4 nos. in exceptional	No.	1		
2.3	S.I.T.C. Of ACDB [MCB DB- AC] - If Required as per Bank approval				
	S & I of 4 Way TPN (8+12) IP 43 PPI Horizontal Distribution Board for distribution to all AC points of different areas (as indicated in the circuit diagram), having below mentioned switchgears (Earth bar inside these DB should be insulated from the body) - Incomer 40Amp 10kA, TPN MCB - 1 No 20A SP MCB-3 Nos. 25A SP MCB-7 Nos. 32 A SP MCB- 2 Nos.	No.	1		
	Note- Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm² + 2x4.0 mm² F.R.L.S. copper flexible wires in 19/20 mm. Medium Guage MS conduit from Main Panel To ACDB				
2.4	MCBDB for UPS POWER	No.s	2		
	16 way SPN DB IP 42 IK 09 with metal Door - 1 No. Incomer 25A DP MCB - 1 No. Outgoing 10A SP 10 KA MCB - 14 Nos.				
2.5	MCBDB/UPS-SERVER & EMERGENCY LIGHT	No.s	1		
	8way SPN DB IP 42 IK 09 with metal Door - 1 No. Incomer 32A DP MCB - 1 No. Outgoing 10A SP 10 KA MCB - 4 Nos.				
	SECTION-C				
3	CABELS / MAINS				
	All cables / wires shall be routed through PVC conduits / bends / elbows etc., as required, of appropriate dia. The conduits shall be clamped firmly to the walls / columns / pillars etc. with clips / clamps and fasteners rigidly even if above false ceiling. Complete job shall include cutting chiseling in walls, floor and making good of all chases / cuts etc. with combination of cement-mortar, including painting with type and shade of existing wall. The work shall be completed to the satisfaction of Bank. NO CABLE / WIRE / CONDUIT SHALL BE VISIBLE IN THE BRANCH HALL / CUSTOMER LOBBY / STAFF WORKING AREA.				
3.1.	SITC of 3.5 Core 50.0 Sq.mm Aluminium conductor Armoured Cable for Generator line connection up to Main Panel Unit complete in all respect as required	Mtrs	50		
3.2.	SITC of 3.5 Core 35.0 Sq.mm Aluminium conductor Armoured Cable for service line connection up to Main Panel complete in all respect as required.	Mtrs	30		
3.3.	Sub-main line:-				
a	SITC of 4 core 6.0 Sq.mm Copper conductor Unarmoured Cable from main Panel to (a) LDB (b) PDB (c) UPS input power supply. Note: In case inverter is present at the branch, the wiring from LDB should be with 2x6.0+1x2.5 sqmm	Mtrs	30		
b	SITC of 4 core 10.0 Sq.mm Copper conductor Unarmoured Cable from main Panel / Non Generator power Bus to (a) AC DB (b) Inverter	Mtrs	5		
c	SITC of 2 runs of 6.0 Sq.mm and 1 no. of 2.5 Sqmm FRLS PVC Insulated Multistrand Copper conductor wire from selector switch to UPS to UPS Distribution boards	Mtrs	35		
4	POINT WIRING				

4.1.	Supply & Installation of concealed point wiring using 600v grade 2.5 sqmm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through haevy gauge PVC conduits laid concealed over false ceiling or in wall chases including circuit wires from the relevant DB and also including 1.5 Sq.mm Green Colour Copper earth wire and provision of grid plate type (ROMA) switches and sockets as approved by Bank / Architect. Each circuit feeding not more than 8 points / 800 W as per the following configuration				
a	Primary light points including the cost of 6A switch (Single Point-27 Nos. Double Loop Points-40 Nos, Triple Loop point-9 No.)	Pts	76		
b	Primary light points including the cost of 6A switch in UPS Power	Pts	20		
c	6A plug point as primary point. [SO]	Pts	6		
d	Secondary 6A Plug point on switch board. [SO]	Pts	23		
e	16A Plug Point directly taken from DB for hotplate/geyser / zerox / fridge [P]	Pts	2		
f	Exhaust fan/ Wall Fan point consisting of 6A socket near fan and switch on light switch board	Pts	21		
g	Wiring for Signages with 2R x2.5 Sq.mm and 1 Rx 1.5 Sq.mm, PVC insulated copper conductor flexible cable to be connected to the SPN D/D consumer along with a Timer and Contactor unit installed in Electrical Room room	Set	2		
h	S.I.T.C. of call bell with bell point .	Nos.	2		
5	COMPUTER/ RAW POWER WIRING				
	Note- All sockets should be placed below the workstations as mentioned in the drawings but the controlling switch should fixed above the work stations and at place as directed by the architect				
5.1.	S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sqmm Cu. PVC sheathed white color flexible cable pulled through above False ceiling and cutting the walls as raceways are not provided and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions. Each point consisting of 3Nos of 6A/16A 2 / 3 Pin sockets and 1 No 16A switch , wired together forming one point. Switches and sockets to be (ROMA). Earth wire to be of Green colour only. (Only 2 tables served by one circuit from UPS DB) Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires. [SOC]	Pts	6		
	(IN FACULTY, ADMIN, INCHARGE & WEBENAIR ROOM ONLY)				
5.2	S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sqmm Cu. PVC sheathed white color flexible cable pulled through above False ceiling and cutting the walls as raceways are not provided and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions. Each point consisting of 2 Nos of 6A/16A 2 / 3 Pin sockets and 1 No 16A switch , wired together forming one point. Switches and sockets to be (ROMA). Earth wire to be of Green colour only. (Only 2 tables served by one circuit from UPS DB) Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires. [SOC]	Pts	36		
5.3.	S & I of points similar to above but to be used as raw power point on the tables consisting of one 6/16A socket with switch of other color and flexible cable of black color & circuit taken from Raw Power DB (2 tables (Maximum 3) served by one circuit from LDB/PDB) Taken Above False ceiling and through walls/ partitions inside M.S. Conduits as raceways are not provided. Cost is inclusive of necessary cutting the walls and including M.S. Conduits as required for taking the wires.	Pts	46		
	SECTION-E				
6	LIGHTING FIXTURES (Bajaj / Havells/ Phillips Make only)				
6.1.	S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts, nails, screws and suspension chains as required for fixing the fixtures in position as directed by architect / Consultant.				
a	PANEL LIGHT - High efficacy, recess-mounted panel with white powder coated CRCA housing and full mounted acrylic diffuser (1'x1'), 120 Lm / W for 18 W and 120 Lm, Model- as approved by the Engineer-incharge/ Architect. [PL]. 3 Years written warranty from Company side to be submitted with the Final Bill	Each	38		
b	PANEL LIGHT - High efficacy, recess-mounted panel with white powder coated CRCA housing and full mounted acrylic diffuser (2'x2'), 120 Lm / W for 36 W and 120 Lm, of overall dimensions - Length: 595 mm , Width: 595 mm & Height: 35 mm , Model- and make as approved by the Engineer-incharge/ Architect. [PL]. 3 Years written warranty from Company side to be submitted with the Final Bill	Each	38		
c	DOWN LIGHT [DL] - Maintenance-free, round downlight with die cast aluminium housing and sleek backlit design suitable for low height ceiling, 15 W , 6500 CCT(K), having cutout: Ø105 mm, Overall Dimension: Ø120 x 28 mm, Wattage-15W, CCT (K)- 6500 K, of M/s Jaquar or equivalent make as approved by the Engineer-incharge/ Architect. [PL]. 3 Years written warranty from Company side to be submitted with the Final Bill	Each	58		
d	Down Light -S.I.T.C. of12/13 Watt 6000/6500 K,(≥720 lumens) Recessed/Surface mounted LED Down Lighting Fixtures with fixing accessories. As Emergency Ligh	Each	20		
e	Mirror light in Toilet (Wall mounted decorative luminaire suitable for 1x15W CFL B22 cap.).	Each	3		
f	Supplying including fitting fixing of following star rated Plastic Blade, new 450 mm dia bracket/wall fan of Ivory Colour , complete with all accessories of following sweeps with making necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Department .				

	a) 450 mm sweep [WF]	EACH	20		
g	Supply and fixing of 10" - 12" PVC Wall/ Ceiling mounted exhaust fans with foldable louvers.[EF]	EACH	6		
	SECTION-F				
6	EARTHING				
6.1.	Earthing with Copper earth plate 600 x 600 x 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc with charcoal/ coke and salt as required	Each	2		
	<i>Rate Shall be inclusive of - 1. Providing & fixing 25 mm x 5 mm Cu strip on surface or in recess for connection as required & 2. Providing & fixing 6 SWG dia GI wire on surface or in recess for loop earthing along with adjusting surface/ recessed conduit / submain/ cable as required</i>				
6,2,	Earthing with GI earth plate 600x600x3mmthick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc with charcoal/ coke and salt as required	Each	2		
	<i>Rate Shall be inclusive of - 1. Providing & fixing 25 mm x 5 mm G.I. strip on surface or in recess for connection as required. & 2. Providing & fixing 6 SWG dia GI wire on surface or in recess for loop earthing along with adjusting surface/ recessed conduit / submain/ cable as required</i>				
	SECTION-G				
7	A.C POINT WIRING				
	A.C. power point wiring from AC DB (As per SLD) with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors. Each Ac will be connected through Inverter to be located near the ACDB. Rates shall be inclusive of cost of	NOS	16		
8	MISCELLENOUS WORKS				
8.1	4 Pole 63 Amp Manual Changeover Switch For Mains to D.G. supply switching (If D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work	No	1		
C	TOTAL OF ELECTRICAL & OTHER RELATED WORKS				

ESTIMATED BOQ OF VOICE & DATA CABLING WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

GENERAL NOTE

1	All wires for circuit wiring and other wiring should be drawn inside PVC Conduits Only unless otherwise specified
2	Specifications of all wires should be followed strictly as mentioned in the BOQ
3	All makes of materials should be strictly followed as mentioned in the detailed specifications of the Tender document

PART D: VOICE & LAN CABLING WORKS

Sl. No	Description	Unit	Qty	Rate	Amount
1	WIRING FOR DATA AND VOICE OUTLETS				
1.1	Supplying, laying and termination of 4 pair Copper solid, twisted pair G600 CAT--6 cables through specified dia MS conduits / raceways. Cables must meet and exceed category 6/ class E standards requirements in ISO/IEC11801, CENELEC EN50173 & TIA 568-B2-1. and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule. Note- Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description.				
a	Outlets with Back Box & Single Face Plate & Termination Of LAN Cable etc. of Compscope/ D'Link Make (Including One extra in charge , one each for 15+15 tables in Class Rooms, 1 Each for 2 Teacher Table in Class Room and 1 No for CCTV)	Nos	34		
b	Same as above but with Double Face Plate & Termination Of LAN Cable etc. of Compscope/ D'Link Make	Nos	10		
c	Tesing, Labelling, scanning of I/O Nodes & submission of report.	Nos	54		
d	S.I.T.C. of Fully loaded Jack Panels of required port as per the above LAN points	Nos	1		
e	S.I.T.C. of Managed Switches 10/100 MBPS for above LAN Points	Nos	1		
f	S.I.T.C. of 3 Ft. Factory Crimped Mounting Cords Same Makes as in Item no b.	Nos	54		
g	S.I.T.C. of 7Ft. Factory Crimped Mounting Cords .Same Make as Item No b.	Nos	54		
h	S.I.T.C. of VALRACK/PRESIDENT etc Network Rack of required size as per above LAN Points with proper dressing of cables	Set	1		
1.2	Providing and laying Cat 5 cable (Make: D-Link) for voice through specified dia PVC conduits / raceways for voice and providing & terminating with RJ-11 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminate the other end with RJ-11 connector or on a Crone module with numbering of each cable with Ferule. Note Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description				
	Note- All Voice outlet should be fixed above the work stations and at place as directed by the architect				
a	RJ-11 for Voice (THROUGH FALSE CEILING AND WALL)	points	14		
1.3	Supplying, laying and fixing of PVC telephone flexible wire through specified dia PVC conduits / raceways of following size: (Rates Shall be inclusive of the cost of PVC Conduits of required sizes)				
a	20-pair	mtr.	180		
1.4	Cat 6 Jack Panel of required sizes as per Voice points	No.	1		
1.5	SS Rack of required sizes as per Voice points, Mount Recessed Frame for Voice Terminations	No.	1		
D	TOTAL OF VOICE & LAN CABLING WORKS				

ESTIMATED BOQ OF NON-INTERIOR WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

PART B:- CIVIL & PLUMBING WORKS

SR.NO	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
B	NON-INTERIOR WORKS				
1	SANITARY FIXTURES OF JAQUAR MAKE				
	Providing & fixing following fixtures, the rate for the following shall be inclusive of all necessary fixtures, labour charges accessories & attachments to make them operational.				
ii	EWC - RIMLESS WALL HUNG WC WITH UF SOFT CLOSE SLIM SEAT COVER HINGES ACCESSORIES SET SIZE: 380X515X360 MM , Having CNS WHT-963UFSM	Nos	4		
iii	SINGLE PIECE SLIM CONCEALED CISTERN BODY WITH INSTALLATION KIT (WITHOUT FLUSH CONTROL PLATE), Having Cat No. JCS-WHT-2400	No	4		
v	FLUSH CONTROL PLATE KUBIX, Having Cat No. JJCP-CHR-2415	No	4		
vii	WASH BASIN - THIN RIM TABLE TOP BASIN SIZE:495X395X150 MM SHAPE - RECTANGULAR , Having Cat No. JDS-WHT-25909	No	7		
ix	WASH BASIN FAUCET-BLUSH TALL BOY DECK MOUNTED SENSOR FAUCET WITH CONTROL BOX (BATTERY OPERATED) , Having Cat No.SNR-CHR-51449	No	7		
x	BOTTLE TRAP (WITH INTERNAL PARTITION) 32MM SIZE WITH 300MM & 190MM LONG WALL CONNECTION PIPES & WALL FLANGE , Having Cat No. ALD-CHR-769L300X190	No	7		
xi	ANGULAR STOP COCK WITH WALL FLANGE Having Cat No. FLP-CHR-5053PM	No	8		
xiii	2 WAY BIB COCK WITH WALL FLANGE, Having Cat No. FLP-CHR-5041PM	No	4		
xiv	HAND SHOWER (HEALTH FAUCET) WITH 8MM DIA 1 METER LONG FLEXIBLE TUBE AND WALL HOOK , Having Cat No.ALD-CHR-573	No	4		
xv	URINAL (BACK INLET) WITH FIXING ACCESSORIES SIZE: 385X325X635 MM Having Cat No.URS-WHT-13253N	No	3		
xvi	SENSOR CONCEALED TYPE FLUSHING VALVE FOR URINAL COMPLETE SET WITH INSTALLATION BOX WITH CONTROL COCK (BATTERY OPERATED) , Having Cat No. SNR-STL-51087	No	3		
xvii	SOAP DISPENSER WITH GLASS BOTTLE, Having Cat No. ACN-CHR-1135N	No	7		
xix	TOWEL RING SQUARE , Having Cat No. ACN-CHR-1121N	No	7		
xxi	TOILET ROLL HOLDER , Having Cat No.ACN-CHR-1151N	No	4		
xxii	TWIN ROBE HOOK- CP BRASS Double Coat Hook , Having Cat No. AKP 35761P (For all toilets)	No	4		
xxiii	SINK COCK- Supply & Fixing 15mm size CP brass table mounted Sink single lever sink mixer with swinging spout with 450 mm long braided hoses and necessary fittings etc. complete, Having Cat No. ARI 39173B	No	1		
xxiv	GLASS URINAL PARTITION- Supplying and fixing 8mm thk Curved shaped urinal partition with frosted glass with 2 Nos S.S patch & screws of overall size 900mm x 450mm Having Cat No. ISE-CHR-110UC450X	No	3		
2	ACCESSORIES				
i	S.S Sink- 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 brackets, cutting and making good the walls wherever required : Kitchen sink with drain board, of overall size 750 x 580 mm bowl depth 200 mm	No	1		
ii	Supplying & fixing 100 mm (4") fixing NAHANI TRAP (Supreme or equivalent) of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: and connecting it to the existing waste pipes outside. Rate should include cost of removing the existing trap, embedding in plain cement concrete all around in	No	10		
iii	Supplying & fixing box shape stainless steel heavy type grating 125 to 150 mm for traps etc. all complete as directed by Bank's engineer..	No	3		
iv	S.STEEL TOILET SIGNAGES (4" x 4")	NOS.	2		

3	TOILET CUBICLE				
	<p>Providing & fixing Toilet Cubicle of approved make and of below mentioned dimensions including door of 600mm wide, made of heat, bacteria, water, chemical, scratch, impact and anti bacterial resistant 18mm thick solid compact laminate panels tested by certified research institute. Finish of the compact laminate should be raw silk or as directed by the architect/ EIC which includes doors, pilasters & intermediate panels finished with approved texture/shade as per the detail drawings & as per IS 2046 (Indian Standard) and as per fire retardant BS-476/97 standard. The product should have Green Guard Certificate. This also includes providing and fixing in position necessary hardware made out of Stainless steel (Grade 304) as per manufacturer's specifications & Architects instructions like (1) Door Knob, (2) Gravity Hinges, (3) Thumb turn lockset indicators, (4) Coat hooks, (5) U-Channels, (6) SS-Shoe Box Plate (7) MS-Base Plate, (8) Rubber noise deafening tape (9) Screws & wall Plugs.</p>				
	SIZE- 1050-1200 MM X 1200- 1350 MM	Each	4		
B	TOTAL FOR CIVIL & PLUMBING WORKS				

ESTIMATED BOQ OF CCTV & FDS WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

PART E :- CCTV & FDS WORK

Sl. No	Description	Unit	Qty	Rate	Amount
SECTION-A					
1	CCTV SYSTEM				
1.1	SITC of fixed dome indoor Colour Varifocal Lens Camera having 0.20 lux level requirement in night mode with the following components / sub assemblies as per specifications, complete with power supply unit, necessary brackets for fixing in the false ceiling etc. as required.(The camera shall be UL/ EN/ FCC certified) a. 1/3" progressive scan CCD image sensor Day/Night camera with inbuilt DSP, advanced features like High resolution of minimum 640 x 480, AGC, BLC, extended sensitivity, support on screen display etc. b. 1/3" Image format varifocal lens (4 to 8 mm)	Nos.	8		
1.2	SITC of Advanced dynamic 4 channel digital event recording system with Digital multiplexer, DVR, Video Motion Detection & Video management System features suitable for CCTV cameras and as specified in the technical specifications inclusive of the rack cost and inclusive of 1.5 TB storage Memory for 12.5 frames second at 4CIF (704 X 576) resolution. TCP/IP connectivity, dual streaming and H.264 compression.	No.	1		
1.3	SITC of coaxial FRLS RG 6 cable for CCTV system.	Metres	180		
1.4	SITC of 2C x 1.5 sq mm FRLS cable .	Metres	180		
1.5	SITC of cam power supply	Nos.	8		
1.6	Supply & Installation of suitable stand for monitor of CCTV	Nos.	1		
2	FIRE ALARM SYSTEM				
2.1	Supply, installation, testing and commissioning of Single Loop Intelligent, Addressable Main Fire Alarm Control panel suitable for operation on 230 V, 1 Ph, 50 Hz, AC supply with sufficient number control relay modules, Data entry, necessary programming and comprising following as per specifications complete as required:- a) Intelligent Detection Panel:- i) Microprocessor based central processing unit of at least 16 bit device, EPROM, non volatile memory with real time clock for communication and controlling the Intelligent / Addressable devices and history buffer of 3000 events with time and date stamp. ii) Capable of integrating 125 Detectors and 125 Modules. iii) operator interface, control and annunciation panel with back-lit alphanumeric liquid crystal display, system status LED, two level password access and with alphanumeric keypad. iv) One no. printer port to connect printer and other similar accessories.	No.	1		
	v) Suitable capacity maintenance free battery with 24 hours backup in normal conditions and 30 minutes in alarm condition alongwith battery charger. vi) The housing cabinet shall be corrosion proof, with manufacture standard finish, attack rated door, door lock and transparent viewing on front panel alongwith painting with rust-resistant prime coat complete as required vii) shall be EN/UL/FM/VDS listed.				
2.2	Supply, installation, testing and commissioning of intelligent addressable Smoke and Heat Detector (Multisensor - 3D) with Standard base, Junction box,connector for loop in and loop out, insect resistant screen, built-in tamper resistant features including connection etc. with inbuilt isolator modules and other accessories as required Detectors shall be EN/UL/FM/VDS listed.	Nos.	24		
2.3	Supply, installation, testing and commissioning of intelligent addressable reponse indicators	Nos.	14		

2.4	Supply, installation, testing and commissioning of intelligent addressable manual call point	Nos.	2		
2.5	Supply, installation, testing & commissioning of Addressable Hooter / SOUNDER complete with control module.EN/UL / LPCB approved, make - HONEYWELL, MORLEY IAS, or equivalent as approved by the Deptt.)	Nos.	2		
2.6	Supply, installation, testing & commissioning of Intelligent Addressable monitor modules with standard base, junction box, connector for loop in and loop out, built in tamper resistant features etc for integrating third party inputs, shall be EN/UL/FM/VDS listed	No.	1		
2.7	Supply and laying 2 x 1.5 sq mm (14 SWG), 1.1 KV grade flame retardant copper conductor PVC cable with steel braiding and overall shielded with aluminium mylar tape including connection etc. as required.	Metres	400		
3	FIRE EXTINGUISHERS				
3.1	Supply installation testing & commissioning of ISI marked FIRE EXTINGUISHERS				
a	ABC type - 2Kg	No	5		
b	ABC type - 5Kg	No	3		
TOTAL OF CCTV & FDS WORK					

ESTIMATED BOQ OF AIR- CONDITIONING WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

Note-

SL.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Supply, Installation, Testing & Commissioning of Ceiling mounted "Cassette" Air- Conditioner by cutting false ceiling & comprising of Indoor & Outdoor units. The Indoor unit comprising multi-row DX cooling coil, Drier, expansion valve/device , air blower driven by motor with mounting accessories. Outdoor unit will comprise the Rotary/Scroll compressor, condenser coil & fan, Cordless remote controller etc. including Refrigerant gas charging , water drain system etc.				
2	S.I.T.C. of 2 Ton Cassette A.C. as per specifications given in item no 1 above .	No	2		
3	S.I.T.C. of 4 Ton Cassette A.C. as per specifications given in item no 1 above .	No			
4	S.I.T.C. of 3 Star 1.5 Ton capacity High wall mounted Split A.C. comprising Indoor & Out-door units. Indoor unit comprising Multi Row DX cooling coil, expansion valve, drier, motor driven air-blower with metallic frame etc. Out-door unit will have rotary/scroll compressor, condenser coil, & fan, Cordless remote control unit etc. including refrigerant gas charging.	No	2		
6	S.I.T.C. of 3 Star A.C. as per specifications given in item no 3 above but for 2 Ton Split A.C.	No	6		
7	S.I.T.C. of 3 Star AC as per specifications given in item no 3 above But For 1T Split A.C.'s	No	4		
10	S.I.T.C. of 3 Star 1.5 Ton capacity Window Ac with all required accessories, Cordless remote control unit etc. including refrigerant gas charging.	No	2		
	S.I.T.C. of 3 Star AC as per specifications given in item no 3 above But For 0.70/.75..8 Tr Split A.C.'s	No			
	S.I.T.C. of 3 Star AC as per specifications given in item no 3 above But For 0.70/.75..8 Tr Split A.C.'s				
11	S.I.T.C. of suitable voltage stabilizers for above capacity Air-Conditioners.	No	14		
12	S.I.T.C. of 19 mm dia & 16 mm dia Copper Refrigerant Pipes with Foam insulation between Indoor & Out door units.with breaking of wall wherever required for 2-3-4 Tr Cassette/ Inverter Air conditioners.	Mtr.	12		
13	S.I.T.C. of 12.5 Sq.mm. & 6.25 Sq.mm. dia. Copper refrigerant pipe with foam Insulation between Indoor & Out door units with breaking of wall for making hole wherever required For Split Air- Conditioners.	Mtr.	50		
14	S.I.T.C. of 3xCopper conductor flexible cable between Indoor & Outdoor Unit through holes made as above for Cassette / Inverter A.C.	Mtr.	12		
15	S.I.T.C. of copper conductor flexible cable between Indoor & Outdoor units as per Manufacturers Specs. through holes as made above for Split A.C.'s.	Mtr.	50		
16	S.I.T.C. of 19/25 mm. PVC conduit pipe to be used as a drain water pipe. Through holes as made above.	Mtr.	44		
17	Metallic Catwalk frame made out of 25 mmx 5mm iron angles with 25mmX 3 mm metal flat strips In- Between duly welded and supported on external wall for standing/walking for servicing of outdoor units of A.C.'s approx 1 mtr / wide from wall & approx 3 mtr length	No			
18	Metallic Catwalk frame made out of 25 mmx 5mm iron angles with 25mmX 3 mm metal flat strips In- Between duly welded and supported on external wall for standing/walking for servicing of outdoor units of A.C.'s approx 1m wide from wall & approx 3 mtr length	No			
19	S.I.T.C. of L shape / suitable shape M.S. Frame stand for mounting Outdoor Units on wall / On floor with all fixing hardware. Within above Catwalk for cassette & split A.c.'s.	Nos	9		
20	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 x 10mm MS square bars placed vertically @ 5" c/c welded with 40x 3mm MS flat all- round. Item includes all necessary hardware, priming coat, two or more coat of synthetic enamel paint,hanger ,clamps ,lock other accessories etc. All complete as per approval and instructions of the Architect / employer.	Nos	9		
21	Cyclic Timer for Server Room AC.	No	1		
	Daikin , Mitsubishi ,Bluestar, Daikin. Only one of these Makes to be quoted. Pl. enclose Tech. Broucher of the quoted Cassette/ Split A.C.	A.C.'s having Service centre In/Near the City should be preferred.			
	TOTAL				

ESTIMATED BOQ FOR BROUGHT OUT ITEMS OF WORKS FOR PROPOSED IIBF CENTRE AT PANBAZAR, GUWAHATI, ASSAM

SL NO:	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
H	BOUGHT OUT FURNITURE				
1	SOFAS				
	Supplying and placing in position following sofa of approved Make, Model and shade				
a	3 Seater Leatherette Sofa, made of extra soft foam with leatherette Upholstery of approved colour and shade, Model- Perl, 3 Seater of Featherlite Make, Size 1800W x 725D x700H mm	NOS.	2		
b	2 Seater Leatherette Sofa, made of extra soft foam with leatherette Upholstery of approved colour and shade, Model- Perl, 3 Seater of Featherlite Make, Size 1275W x 725D x700H mm	NOS.	1		
c	1 Seater Leatherette Sofa, made of extra soft foam with leatherette Upholstery of approved colour and shade, Model- Perl, 3 Seater of Featherlite Make, Size 780W x 725D x700H mm	NOS.	1		
2	CHAIRS				
	Supplying and placing in position following chairs of approved Make, Model and shade				
i	High Back (For Incharge)	Nos	1		
	Model- Alpha HB of Featherlite Make as per the following specifications - Astro High Back Chair with single lock synchro mechanism, adjustable lumber support, one way adjustable arms (height), Head rest, Nylon Base				
ii	Medium Back (In Comp. Lab & Round table Class Room, Admin, Faculty, Incharge visitor, Librarian)	Nos	42		
	Model- Alpha MB of Featherlite Make as per the following specifications - Astro Medium Back Chair with single lock synchro mechanism, adjustable lumber support, one way adjustable arms (height), Nylon Base				
iii	Visitor's Chair	Nos	10		
	Model- Alpha Visitor of Featherlite Make as per the following specifications - Astro Medium Back Chair with single lock synchro mechanism, adjustable lumber support, Sludge Base				
iv	Dining Table Chair/ Pantry Stool (In Dining & Library)	Nos	44		
	Model- Leaf 4 Leg of Featherlite Make as per the following specifications - Cafeteria Stackable Chair with sPolypropylene Seat & back having powder coated sledge legs, of different colours - White, Red, Orange & Green				
	GRAND TOTAL				
H	TOTAL OF BROUGHT OUT ITEMS				