

**SUMMARY**  
**OF INTERIOR AND CIVIL TENDER FOR OFFICE OF**  
**UNIQUE IDENTIFICATION AUTHORITY OF INDIA AT KHANIJA BHAVAN**

Sl. No	Description	Amount (without taxes)		Amount (with taxes)		Net Amount (with taxes)	
		Rs.	P.	Rs.	P.	Rs.	P.
PART - I							
I	FLOORING						
II	CEILING						
III	PARTITION AND PANELLING						
IV	DOORS						
V	FURNITURE AND STORAGES						
VI	WALL FINISHES						
VII	MISCELLANEOUS						
VIII	SIGNAGES						
IX	MODULAR FURNITURE						
X	PLUMBING AND CIVIL WORKS						
XI	CHAIRS						
PART - II							
I	ELECTRICAL WORKS						
II	DATA & VOICE NETWORKING						
III	FIRE ALARM SYSTEMS						
IV	AIR CONDITIONING						
GRAND TOTAL							
rounded off to							

**ABSTRACT OF INTERIOR AND CIVIL TENDER**  
**FOR OFFICE OF**  
**UNIQUE IDENTIFICATION AUTHORITY OF INDIA AT KHANIJA BHAVAN**

**PART -1**

Sl. No	Description	Amount (without taxes)	
		Rs.	P.
I	FLOORING		
II	CEILING		
III	PARTITION AND PANELLING		
IV	DOORS		
V	FURNITURE AND STORAGES		
VI	WALL FINISHES		
VII	MISCELLANEOUS		
VIII	SIGNAGES		
IX	MODULAR FURNITURE		
X	PLUMBING AND CIVIL WORKS		
XI	CHAIRS		
LESS	BUY BACK OF EXISTING FURNITURE & FITTINGS		
	TOTAL		
ADD	TAXES AS APPLICABLE		
	NET AMOUNT		

<b>1. FLOORING</b>					
<b>SI No</b>	<b>Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Rate</b>	<b>Amount</b>
<b>1.01</b>	<b>Vitrified Tile Flooring</b> Supply and laying of vetrified tiles (TILE @125/sft) (tile of size 3' x 3') Supply and laying of vetrified tiles of size 2' x 2' (Rs.75/- per sft)	1530 1650	sft sft		
<b>1.02</b>	<b>Carpet Tiles</b> Laying of Carpets to approved pattern as per detail drawings this includes covering with polythene sheets and shampooing it before hand over. Tiles cost Rs.110/sft	4200	sft		
<b>1.03</b>	<b>False Flooring</b> Providing and fixing access flooring 2' x 2' 450mm high with anti-static laminated finish, above the existing floor to support the server racks, all complete as per manufacturers specifications in the server room.	900	sft		
<b>1.04</b>	<b>Anti- Static Flooring</b> Supply and fixing of anti-static vinyl flooring	170	sft		
<b>1.05</b>	<b>Wooden Flooring</b>	428	sft		
<b>1.06</b>	<b>Skirting</b> Skirting - Providing and fixing 4" laminated skirting with 1/2" thk. MDF with 1.00mm laminate. 1/4" TW lipping to be fixed to on top of skirting and polished to desired shade.	485	rft		
<b>1.07</b>	<b>Vitrified Tiles Skirting</b>	655	rft		
<b>1.08</b>	<b>Wooden Flooring Skirting</b>	220	rft		
<b>Total carried to summary</b>					

## 2. CEILING

SI No	Description	Quantity	Units	Rate	Amount
2.01	<b>Gypsum false ceiling with Cove Lighting</b>  Providing and fixing Cove lighting bracket in gypsum false ceiling using 12mm gyp boards with GI framework as per detail at locations indicated in the drawing with all other specifications same as above. Providing and fixing plain gypsum false ceiling using 12mm gyp boards with GI framework as per detail at locations indicated in the drawing with all other specifications same as above.	795  7800	sft  sft		
2.02	<b>Modular Grid Ceiling</b> Supplying and installing of Armstrong Make grid ceiling using acoustic ceiling tiles in a an exposed metal grid. Grid members to be of galvanised steel to BS 2989Z-181 zinc coating. The grid system shall be of standard 600mm x 600mm module of 24mm table precision made to within plus or minus 0.25mm systems , to consist of main runner and cross tees .Should be fitted with " Quick release High Speed steel Clips" and Designed to satisfy ASTM C635 loading and deflection criteria. The main and cross runners to be provided with Bayonet Couplings for quick installation.  Modular Ceiling Tiles. The ceiling tiles should be of mineral fibre with regular/ irregular fissures/perforations. Should offer min NRC of .55 and Rh of 95%. The minimum thickness of tile should be 15mm with flat square edges. Cost of all cutouts for Electrical ,AC diffusers/ grills should be included. The cut tiles can be charged as full tiles where size is more than 300mm but cost of tile will be deducted in area where light fixtures or diffusers of 600mm x 600mm is accommodated in a grid.	2414	sft		
2.03	<b>Wooden False Ceiling</b> Providing and fixing of wooden false ceiling constructed with timber frame work fixed with 18mm thick MDF/ plywood and the surfaces finished with lamination. The ceiling supports to be suspended from the ceiling with necessary hardware in CEO cabin and Board room.	510	sft		
<b>Total carried to summary</b>					

<b>3. PARTITION &amp; PANELLING</b>	
	<b>General Specifications for Carpentry Joinery</b>
(i)	All MDF/block board samples to be approved before procurement.
(ii)	All exposed block board to have wood (recycled wood with FSC certification) lipping.
(iii)	All wood (recycled wood with FSC certification) to be well seasoned.
(v)	All MDF to be only of MDF make or equivalent. List of Suppliers attached.
(vi)	Grooves to be provided at intersection of all separate surfaces such as wooden (recycled wood with FSC Certification) skirting and
(vii)	Partitions and panelling to be paid for only upto false ceiling. All necessary frame work required for anchoring partition above into slab
(viii)	Grooves to be provided at junction of partition, panelling, fixed tables 19mm - 25mm as required for carpet to slide in. No extra cost to
(ix)	All hardware to be in brass. Hinges of make Magnum, Earl-Bihari, Innofit, Haffele to be considered SOS hinges to be considered.
(x)	Inside of all drawers to have 1mm thk.laminate of Greenlam, Virlaminate or Alphaica make/Deco Plus.
(xi)	Prelaminated board (Eco board/rapidly renewable wood) 12mm thickness may be considered for drawers with no cost difference.
(xii)	All extra frame work required within partitions and panelling for supporting of A.C.grills, fixing of skirting etc.and all such allied
(xiii)	Skirting in MDF with finishing material on carpentry items to be included in the cost of carpentry items.
(xiv)	Wooden skirting (recycled wood with FSC Certification) over brick, siporex, or columns or partitions with gypsum board only to be paid
(xv)	Drawing indicate only tentative locations and quantity of grooves, inlay pattis, pattas, etc. Actual execution as per instructions of
(xvi)	Grooves and inlays also to be of veneer or laminate not to be paid for seperately
(xvii)	Instead of wood the frame work material may also be Aluminium section of 50mm x 25mm size and in the same grid work at no extra
(xviii)	All grooves of all thickness, inlay pattis & extra pattis in partitions, panellings and on tables to be included in quotations and no extra
(xix)	Pattas upto 150mm thickness not to be paid for separately. Only in cases where ply exceeding 150mm width has to be fully put over
(xx)	Special attention to be paid to anchorage & line & level at junctions of partitions & storage cabinets so as to produce surfaces flush
(xxii)	All veneer to be straight grooved, horizontal, vertical or bookmark as per Architect's instructions. No extra cost to be paid towards grain
(xxiii)	Grooves in veneer of all sizes not to be measured separately. To be part of broad measurements.
(xxiv)	<b>FOR ALL VENEER OR WOODEN FINIHES MELAMINE TO BE CONSIDRED .</b>

<b>3. PARTITION &amp; PANELLING</b>					
<b>SI No</b>	<b>Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Rate</b>	<b>Amount</b>
<b>3.01</b>	<b>Full Height laminate Partition</b> Providing & fixing 12mm ply on framework made of 2"x1" Aluminium section with 2'0" spacing as above with 1mm thk laminate over 4mm ply or as directed by the architect with Glass wool filling .Laminate as per design to be fixed on plywood ,woth grooving etc as per design.	4833	sft		
<b>3.02</b>	<b>Full height Veneer Partition</b> Providing and fixing of backdrop partition in reception with veneer / frosted glass, etc. as per design including partition on left wall and front partition on either side of main entrance door.(Excluding cost of signage / name board.	RO			
<b>3.03</b>	<b>Patch Fitted Partitions</b> with all necessary accessories	608	sft		
<b>3.04</b>	<b>Pelmet for windows</b> Providing and fixing 19mm ply ,finished with paint 6" X 6". To fis window blinds	120	rft		
<b>3.05</b>	<b>Pelmet for Projector Screen</b> Providing and 19mm ply and finished with paint 9" X 6".	15	rft		
<b>3.06</b>	<b>Masonry Wall</b> 9" Masonry wall complete with plastering and finishing,	2595	sft		
<b>3.07</b>	<b>Above Ceiling Partition</b> Providing and fixing of solid partition above the ceiling up to roof , specification as per solid gypsum partition with glass wool ,without paint	1364	sft		
<b>3.08</b>	<b>Partitions in the Concept Room</b> Providing and fixing of curved partition as per layout with laminated surface .	670	sft		
<b>3.09</b>	<b>Partitions in the Concept Room for LCD Panels</b> Providing and fixing of partition as per layout with laminated surface to mount the LCD panels	174	sft		

<b>SI No</b>	<b>Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Rate</b>	<b>Amount</b>
<b>3.10</b>	<b>Column Cladding</b> Providing and fixing of column panelling constructed with frame work cladded with MDF & finished with 1mm lamination.	1080	sft		
<b>3.11</b>	<b>Veneer Panelling</b> Providing and fixing Venner panelling using 12mm plywood with 4mm Veneer of approved shade and quality.Venner to be pressed without using nails and polished to desired shade and sprayed with melamine. Panelled surface to be provided with grooves as per design.Basic rate of Veneer Rs.65/sft	540	sft		
<b>3.12</b>	<b>Duco Panelling</b> Providing and fixing designer MDF panel as per design , finished with duco paint.	480	sft		

<b>3.13</b>	<b>White Board - Glass (I)</b>  Fabricating & fixing writing boards of 12 mm th glass with vinyl back of white colour held on the wall surface with fabricated steel Struts to hold in place also to be created a pelmet and bottom frame work to create a pen tray, necessary accessories .	240	sft		
<b>3.14</b>	<b>Soft Board Panelling on both sides(double thickness)</b>  Providing & Fixing soft board panelling over adequate levelled frame, formed of 12mm thick Softboard in approved fabric ( Basic cost Rs.180/m) with Beech/Teak wood beeding of 40mm x 40mm	140	sft		
<b>Total carried to summary</b>					

## 4. DOORS

SI No	Description	Quantity	Units	Rate	Amount
	<b>General Specifications</b> All floor springs, patch fittings and door closers to be of 'Dorma' make. Veneer on shutters to be 4mm thk and finished in melamine polish. Laminate to be 1.5mm thk of approved colour and make. Glass for partly glazed shutters to be 10mm thk float glass fixed with wooden beading as per detail drawings. Toughened glass for fully glazed shutters to be 12mm thk Shutter shall be of approved make and model Cost of other fittings to be included in the above cost including Cylindrical lock - Doorset make, Handles- Dorma make. Wooden frames for doors where required to be of size 4" X 2-1/2" and to be finished with melamine polish as approved.				
<b>4.01</b>	<b>Framed Laminated Solid Doors .</b>  Providing and fixing framed vision panel door as per details. Wooden frame of min section 75mm x 50mm with chamfered edges and grooves and necessary rebate to accommodate shutter.Frame to be screw fixed to the partitions. Shutters to be fabricated out of core flush doors of 25mm thickness, laminated on both sides and edge bounded with 12mm thick matching wooden lipping beeding. Brushed steel handles to be provided along with brushed steel hinges , dead lock , door closure , door stopper of approved make and model.				
	3'0" x 7'0"	2	nos		
	2'6" x 7'0"	4	nos		
<b>4.02</b>	<b>Framed Laminated Doors with Vision Panel.</b>  Providing and fixing framed vision panel door as per details. Wooden frame of min section 75mm x 50mm with chamfered edges and grooves and necessary rebate to accommodate shutter.Frame to be screw fixed to the partitions. Shutters to be fabricated out of seme solid core flush doors of 25mm thickness, laminated on both sides and edge bounded with 12mm thick matching wooden lipping beeding. 8mm thick glass panel required size and profile to be fixed with 12mm thick wooden beading as per dwg. Brushed steel handles to be provided along with brushed steel hinges , dead lock , door closure , door stopper of approved make and model.				
	3'0" x 7'0"	10	nos		



<b>4.03</b>	<b>Toughened Glass Doors(dorma patch fitting )</b> Providing and fixing single/double leaves shutter made of 12mm toughened glass of approved make, supported on brushed finished stainless steel top and bottom hung on required type of patch fittings with heavy duty Floor spring of approved make. The glass panel edges shall be properly machine polished. The 60% of glass shall be fixed with approved make of vinyl film for frosted/ etched effect to the pattern as indicated in the detail drawings. The door shall be fixed with necessary hardware like handles, Door stopper, Patch lock, PVC gasket etc of approved make as recommended by Architects.				
	Toughened Glass Main doors3'6" x 8'0"	2	nos		
	with fixed side panel- 4'0" x 8'0"	1	nos		
	Cabin Doors - 3'0" x 7'0"	15	nos		
	Cabin Doors - 4'0" x 7'0"	3	nos		
<b>4.04</b>	<b>Steel Portal</b> Supply and fixing of 1.5" SS pipes brushed steel finish on the inner side of all glass partitions , fixed to the height of 4" from ground.	68	rft		
<b>Total carried to summary</b>					

5. FURNITURE & STORAGES					
SI No	Description	Quantity	Units	Rate	Amount
5.00	<b>FURNITURE</b>				
	<b>General Specifications :</b> All hardware including handles, hinges, locks, sliding channels, castors etc. to be of approved make and finish as per instructions of the Architect.  All exposed surfaces of Commercial Block board to be finished with 1.5 mm thk. Laminate of approved shade and finish. All internal surfaces to be finished with 1 mm thk. Laminate of approved shade and finish, or with approved balancing laminate in case of prelaminated MDF. All completed as per the instructions of the Architect.  All exposed edges of the boards to be finished with PVC lipping of approved finish & thickness. All complete as per instructions of the Architect. Basic Rate of veneer - 70 INR				
5.01	<b>Reception table</b> Table finished in Duco and glass butchwork on mirror cladding as per drawing with provision for recess lighting ,includes one storage unit of three drawers, key board tray etc. & 12mm glass top				
	6'6" x 2'6" x 2'6"	1	nos.		
	Side Credenza - 3'0" x 1'6" x 2'6"	1	nos.		
5.02	<b>Conference table</b> Fabricated as per design out of 19mm commercial board with 4mm Veneer of approved quality and brand.Provided with matching wooden beeding on the side of table top.Provided with openable cable bins and wire managers on table top as per design to access the cables.Table to be polished to desired shade finished with PU coating.				
	8'0" x 4'0"	1	nos.		
	7'0" x 3'0"	1	nos.		
5.03	<b>Vedio Conferencing Table</b> Fabricated as per design out of 19mm commercial board with 1.5mm Laminate of approved quality and brand.Provided with matching wooden beeding on the side of table top polished /painted to match the top.Provided with openable cable bins and wire managers on table top as per design to access the cables.				
	15'0" x 2'0" x 2'6"	1	nos.		
5.04	<b>DDG's Table - Veneer Finish as per design</b> Fabricated as per design out of 19mm commercial board with 4mm Veneer of approved quality and brandand Glass where required.Provided with matching wooden beeding on the side of table top.Provided with openable cable bins and wire managers on table top as per design to access the cables.Table to be polished to desired shade finished with PU coating.				
	Table - 9'0" x 3'6" x 2'6"	1	nos.		
	Side Credenza- 5'0" x 1'8" x 2'6"	1	nos.		
	Back Credenza- 7'0" x 1'6" x 2'6"	1	nos.		

SI No	Description	Quantity	Units	Rate	Amount
<b>5.05</b>	<b>Chairmans Table- Veneer Finish as per design</b> Fabricated as per design out of 19mm commercial board with 4mm Veneer of approved quality and brand and Glass where required. Provided with matching wooden beeding on the side of table top. Provided with openable cable bins and wire managers on table top as per design to access the cables. Table to be polished to desired shade finished with PU coating.				
	Table - 8'0" x 2'6" x 2'6"	1	nos		
	Side Credenza - 5'0" x 1'6" x 2'6"	1	nos		
	Back Credenza- 7'0" x 1'6" x 2'6"	1	nos		
<b>5.06</b>	<b>Guest Room</b> Fabricated with 19mm Plwood finished with Teak wood veneer as per design to have storage below for stocking linen. Provided with 6" kurlon mattress. Finished with polish and melamine spray.				
	Cot with Head board- 6'0" x 6'6"	2	nos		
<b>5.07</b>	Side Table - 1'6" x 1'6" x 1'6"	4	nos		
<b>5.08</b>	Writing Table - 8'3" x 1'9" x 2'6"	2	nos		
<b>5.09</b>	Mirror fixed brushed steel studs- 3'6" x 2'6"	2	nos		
<b>5.10</b>	Wardrobes - 2'0" x 7'0" x 2'0"	2	nos		
<b>5.11</b>	Luggage Table - 3'6" x 2'0" x 2'0"	2	nos		
<b>5.12</b>	Corner Tables - 18" x 18"	8	nos		
	Centre Table - 3'6" x 2'0"	3	nos		
	<b>STORAGES</b>				
	General Specifications All hardware including handles, hinges, locks, sliding channels, castors etc. to be of approved make and finish as per instructions of the Architect. All exposed surfaces of MDF/particle board (prelaminated eco-board/rapidly renewable wood) to be finished with 1mm thick laminate of approved shade & finish. All internal surfaces of ply/particle board to be finished with 1mm thick laminate of approved shade and finish or with approved balancing laminate in case of prelaminated particle board. All complete as per the instructions of the Architect.  All exposed edges of MDF/particle board (prelaminated eco-board/rapidly renewable wood) to be finished with PVC lipping of approved finish and thickness. All complete as per instructions of the Architect.  Rate to include all requisiet grooves of dimensions as indicated by the Architect at site whether or not incorporated in the drawing or its bills of quantities.				

SI No	Description	Quantity	Units	Rate	Amount
5.13	<b>Low Height Storage Vannered Cabinets</b> Fabrication of low height storage of 30" ht. as per details & specs of LHS. 4mm Veneer on the outter surface and 1mm laminate on the inner surfaces. Exterior duely polished and finished with Melamine spray. necessary accessories like brass hinges, ball catchers, tower bolts, locks, handles, etc., as directed by the architect. Provide one adjustable shelf cupboard depth of 16 ".				
	4'0" x 1'6" x 2'6"	1	nos		
5.14	<b>Low height laminate storages (pantry)</b> Storage finished in 19mm ply finished in laminate 24" depth 30 height, to have drawers and storage shelves. Below counter cabinets to be provided with 20mm granite on top with front surfaced to be bull nosed.				
	Over head Cabinets - 7'6" x 2'6" x 1'0"	1	nos		
	Below Counter Cabinet - 7'6" x 2'9" x 2'0"	1	nos		
	Below Counter Cabinet - 10'0" x 2'9" x 2'0"	1	nos		
5.15	<b>Full Height storage</b> Storage finished in 19mm ply finished in Laminate 18" depth	32	sft		
5.16	<b>DB Cabinet</b> Providing and fixing DB Cabinets of 450mm deep made in 19mm thick plywood and finished in veneer of approved shade as per the detailed drawings. The DB cabinet shall have shutters made in 19mm thick plywood and finished in veneer of approved shade with cut-outs to accommodate aluminium powder coated louvers as per the detail drawings. All the exposed plywood surface shall be finished in veneer with matching timber lipping. The internal surfaces of the cabinet shall be finished in 1.0mm laminate with timber edge lipping. All the exposed wooden and veneer surfaces shall be stained to shade as directed by Architects and finished in water based Melamine coat with approved texture. This also includes providing necessary hardware like handles, hinges, tower bolts/ball catches, locks etc. as per the detail drawings.	106	sft		
<b>Total carried to summary</b>					

## 6. WALL FINISHES

SI No	Description	Quantity	Units	Rate	Amount
6.01	To prepare & finish 3 coats of <b>acrylic emulsion paint</b> of approved quality & shade by sand papering the surface, applying one coat of primer, prepare the surface with two coats of full putty, sand papering again, repeating a coat of primer, applying one coat of plastic emulsion paint, touching up with putty & applying two final roller coats of plastic emulsion paint, to internal wall/ceilings masonry concrete surfaces incl. preparing the surface by cleaning scrapping, smooth filling crevices,scaffolding etc.(Painting works to be certified by the supplier and certificate for the same has to be submitted after finishing) <b>Non Lead based</b>				
	Ceiling	9280	sft		
6.02	To prepare & finish 3 coats of <b>LUSTER (Washable) paint</b> of approved quality & shade by sand papering the surface, applying one coat of primer, prepare the surface with two coats of full putty, sand papering again, repeating a coat of primer, applying one coat of luster paint, touching up with putty & applying two final roller coats of luster paint, to internal wall/ceilings masonry concrete surfaces incl. preparing the surface by cleaning scrapping, smooth filling crevices,scaffolding etc.(Painting works to be certified by the supplier and certificate for the same has to be submitted after finishing) <b>Non Lead based</b>				
	Walls	5869	sft		
6.03	Providing and Applying <b>Textured paint</b> (VOC content for non-flat paints - 150 g/l and VOC for flat paints - 50 g/l) of approved make & shades to walls / partitions including surface preparation, as per manufacturers specifications etc. All complete as per Architects instructions and specifications. <b>Non Lead based</b>				
	Walls	180	sft		
6.04	<b>POP wall punning</b> Providing and applying 12mm thick plaster of paris to the walls and columns in plumblin and level including scraping & making grooves. After levelling surface to be finished to receive paint/wall paper, etc.	1200	sft		
6.05	<b>Wall Paper</b> Providing and fixing of wall paper on existing vertical surface. basic rate Rs. 120 per sft.	540	sft		
<b>Total carried to summary</b>					

## 7. MISCELLANEOUS

SI No	Description	Quantity	Units	Rate	Amount
7.01	<b>Dry Landscaping</b> Providing landscaping in the reception with bamboo, water body, pebbles, plants, etc. and pebbles in the work area as per detail				
	Reception Area	lumpsum			
	DDG's Cabin	lumpsum			
7.02	<b>Graphics</b> Providing and fixing in position approved make of vinyl, laminated graphics(180c film) as directed by the Architects and as per the detail drawings. The basic price digital laminated vinyl graphics shall be considered as Rs.225/- per Sft Inclusive of all taxes.				
	Cabins and General Area	66	sft		
	Concept Room	1200	sft		
7.03	<b>Frost Film</b> frost film on glass surfaces with approved design	420	sft		
7.04	<b>Window Blinds</b> Blinds (Vista make adhering to vista specifications) 100mm wide vertical blinds of vista make Black out blinds	720 480	sft sft		
7.05	<b>House keeping and Debris Clearing on a daily basis till handing over date including acid washing etc</b>	lumpsum			
7.06	<b>Steel Gripper pattis</b> Supply and installation of SS gripper pattis of length 4 feet. To be fixed between where ever the vitrified, marble, vinyl etc touches the carpet.	22	rft		
7.07	<b>Aesthetics</b> picture frames, planters with planter boxes etc.	lumpsum			
<b>Total carried to summary</b>					

<b>8. SIGNAGES</b>					
<b>SI No</b>	<b>Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Rate</b>	<b>Amount</b>
<b>8.01</b>	Unique Identification Authority of India is made up of 20mm thick ss letters "U" letter height is 12" & other letters are proportionate.				
<b>8.02</b>	DISCUSSION ROOM, VEDIO CONFERENCING ROOM,BIOMETRICS LAB,CONCEPT ROOM,TRAINING ROOM & DATA & QUALITY CENTRE ROOM, NAMES ON THE CABIN .It is made up of Aluminum curved frame on that dully DuPont painted, with inner name computer cut vinyl letters as per given. Size of 65mmX 229mm.				
<b>8.03</b>	TOILET SIGNAGES				
<b>8.04</b>	FIRE EXIT. Double Sided, It is made up of 3mm PVC on auto glow is pasted for back ground. On that computer cut vinyl letters are pasted as per international standard. Size of 6X16".			RO	
<b>8.05</b>	FIRE EVACUATION MAPS. It is made up of 3mm clear acrylic (sandwich type) with laser print on paper .Fixing with steel stud. Size of			RO	
<b>8.06</b>	EMERGENCY EXIT, in 3mm PVC on that computer cut vinyl reflective letters are pasted.6X16			RO	
<b>8.07</b>	Fire extinguisher It is made up of a "V" shape in 3mm pvc on that 2hrs night glow pasted. Computer cut vinyl letters are pasted. Size of 6X13".			RO	
<b>8.08</b>	Pull& push Glass Door stickers in aluminium embossing			RO	
<b>Total carried to summary</b>					

9. MODULAR					
SI No	Description	Qty	Units	Rate	Amount
9.00	<b>Modular Furnitures</b>				
	<b>Workstations</b>				
9.01	L Type Workstation 5'0" x 4'6" - hgt 4'0" table top- 1'9"	15	nos		
9.02	Linear Workstations 4'0"w-hgt 4'0" table top depth - 1'9"	19	nos		
	Specification: Partition - 50mm Slide based of 1200Ht, finished with Fabric above & Laminate below table top with one Marker Board and Magnetic Board Tile. Table top - 25mm thick pre laminated particle board finished with 2mm edge lipping finish. Understructure - Gable End and fitted with suitable brackets wherever required. Wire Management - Provision for Electrical BTT & Skirting raceway for wiremanagement is considered.				
9.03	<b>Cabin Tables</b>				
	Main Table – 6'0"W x3'6" x 2'6"D x 2'6"H	4	nos		
	Main Table – 5'0"W x 3'6"x 2'6"D x 2'6"H	4	nos		
	Back Credenza - 8'0" w x 1'6" x 2'6" ( sliding shutters)	4	nos		
	Specification: Table top - 25mm thick pre laminated particle board finished with 2mm edge lipping finish. Understructure - MS Leg and Modesty panel with MS Corner Post. Wire Management - BI Level MS Raceway Is Considered.				
9.04	<b>Bio Metric Lab</b>				
	Table - 3'0" w x 2'0" d x 2'6" d	1	nos		
	Running Counter - 12'6"x 2'6" x 2'6"	1	nos		
	Specification: Table top - 25mm thick pre laminated particle board finished with 2mm edge lipping finish. Understructure - MS Lag and Modesty panel with MS Corner Post. Wire Management - BI Level MS Raceway Is Considered.				
9.05	<b>Mobile Pedestal - (2D+1F) - 400W x 467D x 705ht.</b> Pedestal are made of 18 mm PLB with two drawer units and one filing unit. The drawer boxes are palced on roller slides. The pedestal units are made mobile with the use of castors.The drawer units are provided with suitable locks and recessed handles.	25			
9.06	<b>ABS Keyboard Tray with Mousepad</b> ABS Keyboard tray without mouse pad is made of Acrylonitrile Butadiene styrene Martial is a common thermo plastic. The keyboard is a pullout type, fixed to channels and screwed to below table top	44			
9.07	<b>Cpu Trolley</b>	44			



SI No	Description	Qty	Units	Rate	Amount
<b>9.08</b>	<b>Conference Table</b> Fabricated as per design Table consist of the followings: Free standing "L" Type Table with 25 mm thick Post formed. laminated top provided with 18mm thick leg and modesty panel				
	5'0" x 2'3" x 2'6"	6			
	8'6" x 2'3" x 2'6"	2			
	7'6" x 2'3" x 2'6"	4			
	6'3" x 2'3" x 2'6"	3			
<b>9.09</b>	<b>Pantry Table</b> MS Frame, Powder Coated, Height Adjustable Levellers for All Four Legs, Membrane Top,				
	3'0" x 3'0" x 2'6"	4			
	4'6" DIA round table	1			
<b>9.10</b>	<b>Storage Units</b> Specification: Made of 18mm thick Pre-laminate Board with Sliding Shutters shutters, Lock Shelves, Recessed Handles are provided .				
	5'9" x 2'3" x 2'6"	2			
	10'0" x 1'6" x 2'6"	1	nos		
	3'0" x 1'6" x 4'0"	6			
<b>Total carried to summary</b>					

<b>10. PLUMBING &amp; CIVIL WORKS</b>					
SI No	Description	Quantity	Units	Rate	Amount
	<b>NEW TOILETS</b>				
10.1	Masonry Wall - 6" Masonry wall for new toilets with necessary RCC lintels	585	sft		
10.2	Supply and laying of water proofing for the flooring.	260	sft		
10.3	Plumbing works with connectivity for drainage and water connections for all outlets. For new bathrooms	lumpsum			
10.4	<b>Tiles</b>				
	Supply and fixing of antiskid floor tiles Tile cost appx. Rs.65/sft	260	sft		
	Supply and fixing wall tiles . Tile cost Rs.55/sft	1070	sft		
10.5	Supplying and fixing following Chromium Plated Bathroom fittings of <b>Jaquar</b> or equal approved make <b>Florentine range</b> , fixing to threaded ends of pipe work using Teflon /twine, testing for leak proof etc. complete. Costs of fittings to include pillar cork, s,bibcorks, couplings, flanges, CP pipes				
	Wash Basin Tap	4	nos		
	Health Faucet	4	nos		
	Shower System	3	nos		
10.6	Supply and fixing of <b>CERA</b> Make or equallant fixtures with all necessary accessories, waste coupling , pipes angle cork .				
	EWC - Charishma Ivory 2067	4			
	Wash Basin ..Cheryl 1068 Cera 600 x 460 mm	4			
	Coat Hooks	4	nos		
	Towel Rail	3	nos		
	Towels Rings	4	nos		
	Toilet Paper Holders	4	nos		
	Corner Glass Shelves 12" dia	3	nos		

SI No	Description	Quantity	Units	Rate	Amount
<b>10.1</b>	<b>REFURBISHING OF OLD TOILETS</b>				
	Floor Tiling - Breaking and removing of existing tile and laying of new tiles cost of tile 65/sft	780	sft		
	Wall Tiles - Breaking and removing of existing tile and laying of new tiles cost of tile 55/sft	2350	sft		
<b>10.5</b>	Supplying and fixing following Chromium Plated Bathroom fittings of <b>Jaquar</b> or equal approved make <b>Florentine range</b> , fixing to				
	Wash Basin Tap	5	nos		
	Health Faucet	7	nos		
<b>10.6</b>	Supply and fixing of <b>CERA</b> Make or equivalent fixtures with all necessary accessories, waste coupling , pipes angle cork .				
	EWC - Cargo 2027 EWCS snow white	7	nos		
	Urinals - 5001 - white	5	nos		
	Urinal Division Plate - 5011	4	nos		
	Wash Basin ..Clair 1023	5	nos		
	Coat Hooks	3	nos		
	Toilet Paper Holders	7	nos		
	Soap Dispenser	4	nos		
	Paper Towel Dispenser	2	nos		
<b>10.70</b>	Providing & laying <b>20 mm thick pre-polished granite</b> slab counter fixed on 75mm thick RCC slab and the edges of granite slab shall be full bull nosed or bevelled as approved by Architect. Rate to include cost of fixing facia/fin granite, base mortar c:m 1:4 of 20mm thick, with necessary brick/block wall support , necessary cut opens, brackets etc. as per drawing & details. (Basic rate of granite Rs. 160/sft.) <b>(Toilet wash basin counter)</b>	40	sft		
	Supplying approved make Electrically operated hand drier, fixing in perfect position over tile dado using required fixing materials, etc., Complete.	2	nos		
<b>10.80</b>	Mirrors	75	nos		
<b>Total carried to summary</b>					

## MAKES FOR SANITARY WARE

CLAYTON



CARGO



URINAL



DIVISION PLATE



CHERYL  
800 X 470 MM



CLAIR

























SI No	Description	Quantity	Units	Rate	Amount
12	CLEARING AND BUY BACK OF EXISTING FURNITURE				
	<p>Dismantelling and clearing of existing furniture including workstations, partitions, chairs, false ceiling , flooring, all tables in cabins and conference rooms along with electrical wiring fittings and Network cables</p> <p>Note</p> <p>Evaluate same on visiting site for buy back.</p>				
Total carried to summary					



## 11. CHAIRS

Sl No	Description	Quantity	Units	Rate	Amount	
11.10	Chairman's Chair ( CROWN 1 -Executive High Back With Imported Leather Chair With Multi Locking & Gaslift With Alu Buffed Arms & Base ( With Head Rest )	1	nos			 
11.20	Visitors Chairs for Chairman's Table ( CONTACT MBGS 'B' LEATHERITE - Flex XS Medium Back Chair with Co-active Synchro, Gaslift & Two Way Adjustable Arms with Leatherite Seat & Back )	3	nos			
11.30	Sofa -3 seater ( S -1003-3S – Red Leather 3 Seater Sofa )	1	nos			
11.40	Sofa - 2 seater ( S -1003 -2S– Red Leather 2 Seater Sofa )	1	nos			
11.50	DDG's Chair ( CROWN 1 -Executive High Back With Imported Leather Chair With Multi Locking & Gaslift With Alu Buffed Arms & Base ( With Head Rest )	1	nos			 
11.60	Visitors Chair for DDG's Table ( CONTACT MBGS 'B' LEATHERITE - Flex XS Medium Back Chair with Co-active Synchro, Gaslift & Two Way Adjustable Arms with Leatherite Seat & Back )	4	nos			
11.70	Sofa -3 seater ( S -1003-3S – Red Leather 3 Seater Sofa )	1	nos			
11.80	Sofa - 1 seater ( S -1003-1S – Red Leather Single Seater Sofa )	3	nos			
11.90	DDG's Conference Chairs ( CONTACT MBGS 'B' LEATHERITE - Flex XS Medium Back Chair with Co-active Synchro, Gaslift & Two Way Adjustable Arms with Leatherite Seat & Back )	7	nos			
11.11	Reception Sofas- 3 seater ( S -1003-3S – Red Leather 3 Seater Sofa )	2	nos			
11.12	Cabin Chairs (MD 203 -Executive Medium Back Chairs With Knee Tilt , Gaslift , Adjustable Arms & Plastic Nylon Base)	9	nos			
11.13	Visitors Chairs for Cabin Table ( SMART HBL -09 -3B - Smart Chair With Gaslift With Mesh Back & Seat Cushioned With Plastic Base )	16	nos			

11.14	Vedio Conference/ Mtng Chairs ( CONTACT MBGS 'B' LEATHERITE - Flex XS Medium Back Chair with Co-active Synchro, Gaslift & Two Way Adjustable Arms with Leatherite Seat & Back )	18	nos			
11.15	Conference Room Chairs ( CONTACT MBGS 'B' LEATHERITE - Flex XS Medium Back Chair with Co-active Synchro, Gaslift & Two Way Adjustable Arms with Leatherite Seat & Back )	38	nos			
11.16	Staff (CONTACT PROJECT MBGS 'B' - Medium Mesh Back Chair with Co-active Synchro, Gaslift & Adjustable Arms)	36	nos			
11.17	Dining (MC - 1- MINT CHOC CHIP - Visitors Chair with Stainless Steel Rubberwood Seat & Back )	24	nos			
Taxes Extra						
TOTAL carried to Summary						

**ABSTRACT OF ELECTRICAL , AC, DATA , FIRE ALARM SYSTEM TENDER FOR OFFICE  
OF UNIQUE IDENTIFICATION AUTHORITY OF INDIA AT KHANIJA BHAVAN**

**PART -2**

[illegible]

**PART II  
ELECTRICAL WORKS**

BOQ FOR INTERNAL ELECTRICAL WORKS.							
SI.No.	Description	Qty	Unit	RATE		AMOUNT	
				SUPPLY (Rs.)	INSTALLATION (Rs.)	SUPPLY (Rs.)	INSTALLATION (Rs.)
	<b>PART - A - SUPPLY AND INSTALLATION OF LT PANELS</b>						
1.00	<p><b>PANEL FABRICATION DETAILS:</b> Supply, Installation, Testing and Commissioning of 3 Phase, 4 wire, 415 V, 0.8 P.F, 50 Hz. panels. The fabrication shall be made with 14SWG cold rolled sheet with M/c pressing. The surface shall be rigorously treated for derusting in 7 tank process with dephosphating and painting with at least 2 coats of approved paint.</p> <p>The panel shall be totally enclosed metal clad type with double gasketing with rubber/resin lining. The panel shall be off white painted inside and shall be having control directory pasted inside the panel. The panel shall be mounted on existing trench and shall have cable entry provision from the top and bottom with suitable alley as the case may be.</p> <p>The panel shall be tested for the same KA rating of the relevant highest rating MCCB. All components shall be from ISO-9001 companies and shall have relevant without fail. (Fabrication, drawing and list of components and panel IS/IEC approvals detail shall be got approved by consultants before fabrication).</p> <p>The panel shall be fully interlocked as required. The panel shall include baseframe channel support. (The Single Line Diagram and enclosed brief scheme may closely be followed).</p> <p><u>Note:</u> 1. The Panel shall be fully as per the requirement of Electrical Inspectorate/ EB authorities.</p> <p>2. Auxiliary contactor to be provided along with auto-manual switch where ever required.</p> <p>3. All Breakers both Incoming &amp; Outgoing shall have LED 'ON / OFF / TRIP' indications without fail.</p> <p>4. CTs shall be with dual ratio and cast resin type.</p> <p>6. For Capacitors earthing shall be provided.</p> <p>8. Cu bus earthing shall be provided for all panels.</p> <p>10. SAFETY CERTIFICATE FOR THE PANELS SHALL BE PRODUCED FROM CEIG.</p> <p>13. All MCCBs shall be microprocessor based only.</p> <p>14. All test certificates must be provided immediately after commissioning.</p> <p>15. Any panel if more than 1.5m width should be made in parts each part not exceeding 1.5m</p> <p>16. The current density for ALU busbars shall be 0.75-0.8 only.</p> <p>17. The current density for CU busbars shall be 1.0 only.</p> <p>18. All UPS outgoing panels shall have neutral busbars double the size of phase.</p> <p>19. All MCCB's shall have setting from (40or50)-100%.</p> <p>20. All Lighting / RP and Lift panels shall have ELR for incomer</p>						
SI.No.	Description	Qty	Unit	RATE		AMOUNT	
				SUPPLY	INSTALLATION	SUPPLY	INSTALLATION

				(Rs.)	(Rs.)	(Rs.)	(Rs.)
1.00	<b><u>MAIN FLOOR PANEL</u></b> <u>INCOMER</u> <u>MCCB:</u> Quantity : 1 No ,Rating-160Amps. No. of poles - TP+N, KA rating - 25KA. Type - Manual, Releases - OC / SC , Indication - ON/ OFF / TRIP.  <u>METERS:</u> 3 Phase 4 wire, 440 Volts, Digital Voltmeter with selector switch. Range - 0-500V, 10Amps. Ammeter 0 - 160Amps. Master Meter - 1 No. TVSS-80KA ELR-0-8Amps  <u>BUS BAR -160A.</u> Alu TP + N + E  <u>OUTGOINGS:</u> <u>MCCB:</u> Quantity :1Nos, Rating-125Amps. No. of poles - TPN, KA rating - 16KA.  <u>MCCB:</u> Quantity :2 Nos, Rating-63 Amps. No. of poles - TPN, KA rating - 16KA.  <u>MCB:</u> Quantity :8 Nos, Rating-63 Amps. No. of poles - TPN, KA rating - 16KA.	1	No				
1.00	<b><u>UPS OUTGOING PANEL</u></b> <u>INCOMER</u> <u>MCCB:</u> Quantity : 2 Nos ,Rating-63Amps. No. of poles - TP+2N, KA rating - 25KA. Type - Manual, Releases - OC / SC , Indication - ON/ OFF / TRIP. <u>METERS:</u> 3 Phase 4 wire, 440 Volts, Digital Voltmeter with selector switch. Range - 0-500V, 10Amps. Ammeter 0 - 63Amps. TVSS-40KA <u>OUTGOINGS:</u> <u>MCB:</u> Quantity :4 Nos, Rating-40 Amps. No. of poles - TP+2N, KA rating - 16KA.	1	No				
	<b>PART - A -TOTAL- SUPPLY AND INSTALLATION OF LT PANELS</b>						
	<b>PART - B - LT CABLE WORK</b>						
2.00	Supply, Instalaltion, Testing & Commissioning of XLPE insulated sheathed steel tape armoured Aluminium UG cable with pvc outer sheathing 1.1 KV class . The cable shall be either laid on existing cable trays or in existing trench.						

	The cable shall be tied with nylon ties on the cable tray and a overlapping 25x3mm GI strip shall be fixed to the cable tray. The cost of the nylon tie and overlapping GI strip shall be included in the cost of installation. (Not to include the cost of cable trays/trench). (All cables shall be AS PER IS 7098)						
2.10	<b>Armoured Aluminium Cable:</b>						
a	3.5 Core, 150 Sqmm cable.From Builder panel to Floor panel.	125	Mts				
b	3.5 Core, 95 Sqmm cable.(From Main power panel to AHU UNIT 1R X75MTS)	RO	Mts				
c	4 Core, 16 Sqmm cable.	70	Mts				
2.20	<b>UNARMoured COPPER FLEXIBLE CABLE:</b>						
	Supply, Instalation, Testing & Commissioning of PVC flexible Copper cable 1.1 KV class . The cable shall be either laid on existing cable trays or in existing conduit.. (Not to include the cost of cable trays/conduit).						
a	1 Core, 25 Sqmm cable.	150	Mts				
b	4c+1c, 16 Sqmm cable.	50	Mts				
c	4 Core, 10 Sqmm cable.	25	Mts				
3.00	<b>END TERMINATIONS</b>						
	Supply, Installation, Testing & Commissioning of End terminations for following cables using double compression tinned brass glands with bronze lugs using hydraulic crimping tools complete. Aluminium cables:						
a	3.5 Core, 150Sqmm	2	Nos				
b	3.5 Core, 95 Sqmm	RO					
c	4 Core, 25Sqmm cable.	10	Nos				
d	4 Core, 10 Sqmm cable.	6	Nos				
3.10	<b>END TERMINATIONS</b>						
	Supply, Installation, Testing & Commissioning of End terminations for following cables using double compression tinned brass glands with bronze lugs using hydraulic						

	crimping tools complete.						
	Un Ar copper cables:						
3.20	1 Core, 25Sqmm cable.						
	From Main power panel To UPS -1 & 2.						
	From UPS-1&2 TO UPS Outgoing panel.	22	Nos				
3.30	4c+1c , 16 Sqmm cable.	4	Nos				
4.00	<b>GI CABLE TRAY - LIGHT DUTY</b>						
	Supply and installation of hot dipped GI as per IS 2629, prefabricated ladder type cable tray including supporting system with 2.5mm hi-tech slotted channel, support channels, hi tech rod system.						
	The rate shall include bends, angles, Ts and all accessories complete.						
4.10	300mm wide, with 50mm height , 2mm thick ladder type.	50	Mtr				
4.20	150mm wide, with 50mm height , 2mm thick ladder type.	25	Mtr				
4.30	Supply & Installation of 50mm dia PVC conduit.	70	Mtr				
4.40	<b>FLOOR WIRE WAYS FOR NETWORKING &amp; POWER CABLING:</b>						
	Supply & Installation of floor wire ways pre-fabricated out of GI, 14 swg as per IS 2629, with removable covers with finally threaded screws.						
	The entire fabrication and finish shall be as per approval of architects / Consultants. Local fabrication is not permitted shall be complete with all bends, joints and accessories. The installation includes co-ordination with the other agency for floor embedding.						
	<b>FOR NETWORKING CABLING.</b>						
a	Size - 300mm (W) x 45mm (D) - WIRE WAYS	65	Mtr				
b	Size - 150mm (W) x 45mm (D) - WIRE WAYS	70	Mtr				
c	Size - 75mm (W) x45mm (D) - WIRE WAYS	RO	Mtr				
	<b>FOR UPS &amp;RAWPOWER CABLING</b>						
d	Size - 300mm (W) x 45mm (D) - WIRE WAYS	75	Mtr				
e	Size - 150mm (W) x 45mm (D) - WIRE WAYS	55	Mtr				
f	Size - 75mm (W) x45mm (D) - WIRE WAYS	20	Mtr				
	<b>JUNCTION BOX</b>						
g	Supply & Installation of 14 SWG GI 350x350x50mm floor junction box with cover to match with item no. 5.00 above including co-ordination with other agencies for embedding in floor.	18	Nos				
h	Supply & Installation of 14 SWG GI 200x200x50mm junction box with cover. to match with item no. 5.00 above including co-ordination with other agencies for embedding in floor/column cladding.	16	Nos				
i	Supply & Installation of 14 SWG GI 100x100x45mm junction box with cover. to match with item no. 5.00 above including co-ordination with other agencies for embedding in floor/column cladding.	6	Nos				
<b>PART - B -TOTAL- LT CABLE WORK</b>							

	PART - C : INTERNAL ELECTRICAL WORKS						
5.00	<b>FINAL DISTRIBUTION BOARDS.</b>  Supply, Installation, Testing and Commissioning of all MCB , phase segregated type Distribution Boards (9KA) made out of 16SWG MS sheet steel enclosure hinged MS cover/over flanged cover with cutouts for cutouts for operating the MCB knobs and comprising of phase busbars, neutrals and earth bus with tapped holes, bakelite phase barriers, pvc insulator shoes for incoming wire etc complete. DBs shall be mounted by grouting in to the wall/angle to brick wall as required. DBs shall be suitable for single &Three phase loads. Or DBs shall be mounted on suitable M.S. angle and supporting flat. DBs shall include termination lugs etc., all complete. As per Electrical Inspectorate requirement. (Note: 1. Local fabrication not permitted. Only factory made boxes shall be installed and all MCBs shall be with 9 KA rating.						
5.10	Lighting DB - LDB - 3 Phase 8 Way: Incoming: 1 No. 63A 4P MCB,C "Curve" Incoming: 3 Nos. 32A DP RCBO's.-100mA Outgoings: 24Nos. 10/16A SP MCB.	1	Nos				
5.20	RAW POWER DB - - 3 Phase 6 Way: Incoming: 1 No. 63A 4P MCB,C "Curve" Incoming: 3 Nos. 32A DP RCBO;s.-100mA Outgoings: 18Nos. 10/16A SP MCB.	2	Nos				
5.30	UPS POWER DB - - 3 Phase 6Way: Incoming: 1 No. 63A 4P MCB,D "Curve" Incoming: 3 Nos. 32A DP RCBO -300mA Outgoings: 18Nos. 16/20A SP MCB.	2	Nos				
5.40	SERVER DB - -1 Phase 12Way: Incoming: 1 No. 40A DP MCB,D "Curve" Incoming: 8 Nos. 32A DP RCBO -300mA	2	Nos				
6.00	<b>INTERNAL WIRING</b> Supply, Installation, Testing and Commissioning of point wiring using (3 x 1.5) Sqmm 1100V grade stranded FRLS wires of approved make drawn in 25mm dia 2mm thick Rigid PVC conduit of approved make including all conduit accessories such as bends, junction boxes etc., complete. The wiring shall be done in complete looping in system. The switches used shall be moulded fixed in factory made integral GI box units with clear earthing facility.						



	The wiring shall be complete with ceiling roses, switches and all consumables. The switches shall be of Anchor Roma / Wipro Aspire make.					
a	PRIMARY LIGHT POINT I. Primary light point means wiring from first switch control to the first light out let. II. Not to include the incoming lighting circuit from MCB-DB to switch. III. But to include the sub circuit if it is drawn from adjacent switch box.	100	Pts			
c	SECONDARY LIGHT POINT I. Secondary light point means extension of light out let only from existing Primary point to be controlled by the existing switch of Primary point only.	200	Pts			
e	To wiring as in item no. 3.00 using (2R X 2.5+1RX1.5) sqmm pvc insulated FRLS wire drawn in 25mm dia 2mm thick PVC conduit as lighting circuit, being recond from the distribution board to first light control switch.	3000	Mtr			
f	Supply & Installation of 6/16A 5 pin socket with DP switch with indicator in appropriate make factory made GI boxes. (Excluding circuit) - For Raw power./AC/	69	Nos			
g	Supply & Installation of 5 A 3 pin switch socket excluding boxes. - Excluding circuit - for Raw Power . 1 socket controlled by one switch with indicator.	35	Nos			
h	Supply & Installation of 2 Nos. 5A 3 pin INTEL socket with 15A SP switch.(Excluding circuit) - for UPS.	220	Sets			
i	Supply & Installation of 3 C x 4 Sqmm 1100V unarmoured double insulated flexible wire in white for UPS and black for / RP/AC/ circuit	2600	Mtr			
j	Supply & Installation of 25mm dia 2mm thick rigid pvc conduit excluding wiring with clamps, bends, suspensions etc. For TV, UPS, Telephone and raw power conduiting.	2000	Mtr			
k	32A, 5 Pin, 3 Phase industrial metal clad sockets with interlock.	10	Nos			
l	32A, 3 Pin, 1 Phase industrial metal clad sockets with interlock.	12	Nos			
m	Supply & Installation of TV Point with RJ-11 TV SOCKET in 25mm dia pvc conduit and RJ-9 Co-axil cable	12	Nos			
n	32A, 5 Pin, 3 Phase TPN MCB ISOLATOR WITH ENCLOSURE.	6	Nos			
	<b>PART - C-TOTAL -INTERNAL ELECTRICAL WORKS</b>					

	PART - D : SUPPLY & INSTALLATION OF LIGHT FIXTURES						
7.00	Supply & Installation of light fixtures complete with Trulite lamps, starter, electronic / Copper ballast etc., complete. The rate shall include all mounting accessories like angles, fasteners, supports, chain, adjustable hooks, grip bolts and nuts etc., complete. Note: THD harmonics output less than 10%.						
a	2'X2' Recessed mounting Direct-Indirect 2x 36W CFL light fixture, with CFL lamp (for workstations area,Cabins,Meeting Room)	68	Nos				
b	2'X2' Recessed mounting Direct- Indirect light fixture, with 2 x36W CFL lamp Electronic dimmerable ballast (for conference room)	10	Nos				
c	Supply & Installation of 2 x 13 W CFL recess mounted down lighter with Elecironic Dimmerable Ballast Make : Wipro / Philips / GE / Eqvlt. Cat No. : WCP - 34213 / FBH 145 213	10	Nos				
d	Supply & Installation of 2 x 13 W CFL recess mounted down lighter with fresnel lens. Make : Wipro / Philips / GE / Eqvlt. Cat No. : WCP - 34213 / FBH 145 213	60	Nos				
d	Supply & Installation of 1 x 13 W CFL recess mounted down lighter with fresnel lens. Make : Wipro / Philips / GE / Eqvlt. Cat No. : WCP - 34213 / FBH 145 213	91	Nos				
e	Supply & Installation of 1 x 13 W CFL Surface mounted down lighter with fresnel lens. Make : Wipro / Philips / GE / Eqvlt. Cat No. : WCP - 34213 / FBH 145 213	53	Nos				
f	2',36 W CFL Mirror Light Fixtures with Lamp.	8	Nos				
g	Recessed mounting type Eye ball light fixture with 12V / 50W Halogen .	10	Nos				
h	Wall bracket type decorative light fitting with 1 x 18 / 26W CFL Lamp,	20	Nos				

i	Supply & Installation of surface mounted 4ft. patti type luminaire suitable for 1 x 36W FTL lamp for diffused lighting.. Make : Wipro / Philips / GE / Eqvlt. Cat No. : WDF-5140 NS	50	Nos				
j	Supply & Installation of surface mounted 2ft. patti type luminaire suitable for 1 x18W FTL lamp for diffused lighting.. Make : Wipro / Philips / GE / Eqvlt. Cat No. : WDF-5140 NS	20	Nos				
k	Supply & Installation of 5W LED Fixtures	20	Nos				
l	Supply & Installation 9" Sweep Exhaust fan	5	Nos				
7.10	Supply & Installation of light fixtures complete with Trulite lamps, starter, electronic / Copper ballast etc., complete. The rate shall include all mounting accessories like angles, fasteners, supports, chain, adjustable hooks, grip bolts and nuts etc., complete. Note: THD harmonics output less than 10%.						
7.20	2'X2' Recessed mounting Indirect 2x 36W CFL light fixture, with CFL lamp (Biometric Room)	6	Nos				
7.30	Supply & Installation of 2 x 13 W CFL recess mounted Indirect down lighter with fresnel lens. Make : Wipro / Philips / GE / Eqvlt.	6	Nos				
7.40	Supply & Installation of 12V,50W Track Light Fixtures	RO	Mts				
7.50	LIGHTING CONTROL SENSORS Non - Programmable Presence Detector for Lighting Control .	10	Nos				
<b>PART - D-TOTAL -SUPPLY &amp; INSTALLATION OF LIGHT FIXTURES</b>						-	-

PART - E : EARTHING SYSTEM						
8.10	Supply and installation of pipe electrode earth station as per IS 3043 complete with 38mm dia 'B' Class GI pipe, Copper plate earth station copper(tinned)plate, complete with 600 x 600 x 3mm CI frame and heavy duty CI cover, 300mm brick masonry chamber etc., complete. UPS Neutral - 4 Nos. EPBAX - 1 No. SERVER RACK Neutral - 1 No. DEDICATED EARTHING - 1 No.	7	Nos			
8.20	Glearth station as per IS 3043 GI Flat B Class, GI pipe with watering funnel, 450 x 450 mm CI frame and heavy duty CI cover, 300mm brick masonry chamber etc., complete. UPS BODY 2 Nos. LT PANEL BODY 2 Nos.	4	Nos			
8.30	Earth strips - GI / Copper.					
8.40	25 x 3mm GI flat	100	Mtr			
8.50	25x6mm Cu flat with bus bar support s and pvc sleeves.	250	Mtr			
8.60	Supply and laying of 8 SWG GI wire .	75	Mtr			
PART-E-TOTAL-EARTHING SYSTEM						
PART - F : MISCELLANEOUS						
9.00	Danger board in 3 languages English / Hindi / Local Language in red colour radium reflector sticker with 440V marks.	1	Each			
9.10	CO2 fire extinguisher 4.5Kg	3	Nos			
9.20	CO2 fire extinguisher 2.5Kg	4	Nos			
9.30	Rubber mat of 10mm thick with 15KV voltage tested in Main Electrical room. (Single sheet not cut pieces)	6	Sqmt			
9.40	Professional charges towards getting approval of detailed drawings from CEIG / Electrical Inspectorate obtaining clearance from Electrical Inspectorate for the installation (Power supply already exists) Note: Following As-built drawings to be submitted: 1. 4 sets of hard copies - colour prints. 2. 1 set of softcopy of all drawings in CD.					
PART - F-TOTAL- MISCELLANEOUS						

Sl.No.	Description	Qty	Unit	RATE		AMOUNT	
				SUPPLY	INSTALLATION	SUPPLY	INSTALLATION
				(Rs.)	(Rs.)	(Rs.)	(Rs.)
	<b>INTERNAL ELECTRICAL WORKS</b>					#REF!	#REF!
	<b>PART - G : SUPPLY &amp; INSTALLATION OF LIGHT FIXTURES FOR CONCEPT CENTRE</b>						
1.00	Supply & Installation of light fixtures complete with Trulite lamps, starter, electronic / Copper ballast etc., complete. The rate shall include all mounting accessories like angles, fasteners, supports, chain, adjustable hooks, grip bolts and nuts etc., complete. Note: THD harmonics output less than 10%.						
1.10	2'X2' Recessed mounting Indirect 2x 36W CFL light fixture, with CFL lamp (Biometric Room)	6	Nos				
1.20	Supply & Installation of 2 x 13 W CFL recess mounted Indirect down lighter with fresnel lens. Make : Wipro / Philips / GE / Eqvlt.	6	Nos				
1.30	Supply & Installation of 12V,50W Track Light Fixtures		RO Mts				
1.40	LIGHTING CONTROL SENSORS Non - Programmable Presence Detector for Lighting Control .	10	Nos				
<b>PART - A</b>	<b>SUPPLY &amp; INSTALLATION - LIGHT FIXTURES</b>						
	<b>TOTAL AMOUNT FORCONCEPT CENTER INTERNAL ELECTRICAL WORKS IN RS</b>						
	<b>NOTE :THE ABOVE RATES ARE INCLUSIVE OF VAT@13.50% &amp;SERVICE TAX@10 30%.</b>						

						AMOUNT	
	ELECTRICAL WORKS SUMMARY					SUPPLY	INSTALLATION
PART - A	LT PANELS						
PART - B	LT CABLE WORK						
PART - C	INTERNAL ELECTRICAL WORKS						
PART - D	SUPPLY & INSTALLATION - LIGHT FIXTURES						
PART - E	EARTHING SYSTEM						
PART - F	MISCELLANEOUS						
PART G	SUPPLY & INSTALLATION OF LIGHT FIXTURES FOR CONCEPT CENTRE						
	TOTAL AMOUNT FOR INTERNAL ELECTRICAL WORKS IN RS						
	NOTE :THE ABOVE RATES ARE INCLUSIVE OF VAT@13.50% &SERVICE TAX@10 30%.						

**LIST OF RECOMMENDED MAKES FOR ELECTRICAL WORKS**

SL.NO.	DESCRIPTION.	BRAND.
		<b>1</b>
1	PVC CONDUIT 2mm tk.	VIP / PRECISION / SUDHAKAR / UNIVERSAL
2	MS CONDUIT (16G) 1.6mm tk.	BI / GUPTA/ SUPREEM/ BHARATH
3	MS CONDUIT ACCESSORIES	PEW / HOMELITE/
4	PVC FRLS COPPER WIRES	FINOLEX/HAVELLS/ ANCHOR/RR
5	TERMINATION MATLS.	SMI / DOWELLS/HMI
6	5/15A MODULAR SW. / SOC.	ANCHOR ROMA / MDS/ ABB /SCHNEIDER/ MK/CRABTREE
7	MCB / MCB DB	MG /G/SCHNEIDER/SIEMENS / MDS /LEGRAND/INDOASIA
8	RCBO	MG/ SIEMENS/GE/SCHNEIDER/ MDS LEGRAND/INDO ASIA
9	METAL CLAD SOCKET	BCH / CLIPSAL / NEPTUNE/ MDS LEGRAND
10	CABLE TRAY 2mm tk.	STORAC / INDIANA / PROFAB
11	EXHAUST FAN	GEC / ALMONARD/ CROMPTON GREAVES
12	LIGHT FITTINGS	WIPRO/PHILIPS/HAVELLS/PRISAM/B AJAJ
13	DECORATIVE LIGHT FITTINGS	WIPRO/PHILIPS/HAVELLS/PRISAM/B AJAJ
14	MCCBs	ABB/ L&T/SCHNEIDER (MG)/
15	CONTACTORS & O/L RELAY	ABB/ L&T/SCHNEIDER (MG)/
16	CAPACITOR 'ALL PP'/ HEAVY DUTY MPP	UNIVERSAL /UNISTAR/ MEHER / ASIAN /SIEMENS/ L&T
17	CTs & PTs CT & PT'S	KAPPA / INDCOIL / SIEMENS
18	CONTROL SWITCHES/SWITCH FUSE UNIT	KAYCEE/ GEC / ALSTHOM / SIEMENS
19	ELR / EARTH FAULT RELAY	ALSTOM / PROK DVS /MDS LEGRAND

20	PROTECTIVE RELAYS	ALSTOM / AVKC/SCHNIDDER/ABB/
21	PUSH BUTTONS	SIEMENS / TECKNIC/L&T/ABB/GE
22	INDICATING LAMPS (LED TYPE)	SIEMENS / TECKNIC
23	WIRS (FRLS)	L&T/RR CABLE/FARCOM/ FINOLEX
24	LUGS/GLANDS	SMI/ DOWELLS/HMI
25	TERMINALS	ELMEX / ESSEN - FINGER TOUCH PROOF
26	FERRULES	MAYFAIR
27	PANEL FABRICATOR	POOJA POWER SOLUTION /STAR SWITCH GEAR/ /RADIANT SWITCHGEAR/STAUMITRA CONTROLS/POWER PACK.
28	CEILING FAN&WALL MOUNTED FAN	BAJAJ/ USHA/ HAVELLS/CG
29	SERVER RACKS	RITTAL/VEROPRESIDENT
30	E-Cat 5/6 DATA CABLE, PATCH PANELS, I/O OUTLETS	AVAYA/D-LINK/MOLEX/KRONE
31	LED INDICATION LAMPS	BINARY/L&T/SCHNIDDERr/VAISHN AV
32	SELECTOR SWITCH	L&T / KAYCEE
33	TIMERS	L&T/GE
34	ROTARY SWITCH	L&T/GE/SIEMENS.
35	WIRE WAYS	STORAC / INDIANA / PROFAB
ANY OTHER ITEMS		TO CONSUTANTS APPROVAL









## DATA & VOICE NETWORKING

### BOQ FOR NETWORKING WORKS.

Sl.No	PARTICULARS	UNIT	QTY	SUPPLY	INSTALLATION	SUPPLY	INSTALLATION
				RATE	RATE	AMOUNT	AMOUNT
<b>1.0</b>	<b>DATA &amp; VOICE NETWORKING</b>						
	<b>DATA POINTS</b>						
a	CAT-6 UTP four pair cable in Existing PVC conduit / floor channels with required ferruling, cable dressing, testing etc. complete.with test certificates.						
		Rmt	14000				
b	CAT-6 Information outlets						
		Nos	420				
c	Quadral flush mounted face plates.						
		Nos	210				
d	Rack mountable 24 port modular Jack panels With required accessories.						
		Nos	9				
<b>2.0</b>	<b>VOICE POINTS</b>						
a	CAT-6 UTP four pair cable in Existing PVC conduit / floor channels with required ferruling, cable dressing, testing etc. complete.with test certificates.						
		Rmt	6500				
b	CAT-6 Information outlets						
		Nos	200				

c	Rack mountable 24 port modular Jack panels With required accessories.	Nos	5				

<b>3.0</b>	<b>COMMUNICATION RACK, AND ACCESSORIES</b>						
	Floor mounting open Rack AC distribution box required vertical &						
	horizontal cable managers, etc.						
a	32 U Open Rack						
		Nos	1				
b	Supply of 4feet patch cord	Nos	R.O				
c	Supply of 7feet patch cord	Nos	R.O				
d	Supply and laying of 30Pair Telephone Cable indoor only						
		Rmt	65				
e	Supply and fixing of 30 Pair krone with enclosure.						
		Nos	1				
<b>4.0</b>	<b>DUMMY PVC CONDUITS</b>						
	Supply and running of 2mm thick PVC Conduits with all fixing accessories Like bends,colors,Tee'setc						
a	32mm dia,( FRLS ) PVC Pipes with all accessories.						
		Mtrs.	60				
b	25mm dia,( FRLS ) PVC Pipes with all accessories.						
		Mtrs.	400				
c	19mm dia,( FRLS ) PVC Pipes with all accessories.						
		Mtrs.	R.O				

TOTAL AMOUNT NETWORKING WORKS IN RS		
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NOTE :THE ABOVE RATES ARE INCLUSIVE OF VAT @13.50% &SERVICE TAX @10.30%.

## FIRE ALARM SYSTEMS

### BOQ FOR FIRE ALARM SYSTEM WORKS.

SL.No.	DESCRIPTION OF WORK	QTY.	UNIT	SUPPLY RATE	INSTALLATION RATE	SUPPLY AMOUNT	INSTALLATION AMOUNT
<b>1.0</b>	<b>PART-A- FIRE ALARM SYSTEM</b>						
	<b>ADDRESSABLE TYPE</b>						
I	1 LOOP CONTROL PANEL						
	Supply, installation, testing & commissioning of						
	Addressable Fire Alaram panel with Supporting of maximum 250						
	Devices in single loop with audio visual fire						
	indications, complete with system ON / OFF						
	switch, test buttons for open / short circuit						
	indications with maintanance free battery backup						
	backup facility of 24 hour,battery charger, battery						
	rectifier & digital communicator for central monitoring						
	station connectivity etc.						
		1	No				
II	Supply, installation, testing & commissioning of						
	optical / photo electricAddressable type detectors with dual LED						
	indication Above						
		68	Nos.				
III	Supply, installation, testing & commissioning of						
	fixed temp./ rate of rise in temp. heat detectors.						
	temp.(Heat Detector)	2	Nos.				
IV	Supply, installation, testing & commissioning of						
	Addressable type Manual Call points with hammer and chain.						
		1	No.				

V	Supply, installation, testing & commissioning of						
	Addressable Type electronic fire alarm hooters.						
		1	No.				
VI	Supply, installation,testing & commissioning of						
	Response indicators .						
		34	Nos.				
2.10	CONDUITS & CABLES						
	Supply, laying,commissioning and testing of						
	1100V grade FRLS PVC insulated copper conductor						
	single core wires of 1.5sqmm / PVC insulated						
	copper conductor cable of 1.5sq mm, run in 2mm						
	thick PVC conduits of not less than 19mm dia.						
	The rate quoated shall include all accessories like						
	bends, collars, MS junction boxes, clamps,etc.,						
	complete.						
I	2 Runs of 1.5sqmm FRLS PVC insulated copper						
	conductor single core wires run in PVC conduit						
	of not less than 19mm dia.						
		1200	Mtr				
	<b>TOTAL PART-A-FIRE ALARAM SYSTEM.</b>						
<b>NOTE:THE ABOVE RATES ARE EXCLUSIVE OF VAT @13.50 % &amp;SERVICE TAX @10.30%</b>							
<b>VAT @13.50% ON SUPPLY</b>							
<b>TOTAL SUPPLY AMOUNT IN RS</b>							
<b>SERVICE TAX @10.30% ON INSTALLATION</b>							
<b>TOTAL INSTALLATION AMOUNT IN RS</b>							
<b>GRAND TOTAL FOR SUPPLY &amp;INSTALLATION FIRE ALARAM SYSTEMS IN RS</b>							





**LIST OF RECOMMENDED MAKES FOR SECURITY SYSTEM WORKS**

<b>SL. NO.</b>	<b>DESCRIPTION.</b>	<b>Accessories</b>	<b>MAKE</b>
1.00	Fire Alarm System	Control Panel	Honeywell, GE, EST, Siemens,
		Detector	Honeywell, GE, EST, Siemens,
2.00	Access Control	Control Panel	Siemens, Cardx, Spectrum,
		Reader	HID, EM Proximity
		Lock	BEL, Insyn,
		Exit Switch	Insyn
3.00	Public Address System	Speakers	Bosch, Ahuja,
		Consol	Bosch, Ahuja,
		Volume Control	Bosch, Ahuja, MK
4.00	CCTV	Camera	Sony, Bosch, Samsung, Pelco, Honeywell
		DVR	Sony, Bosch, Samsung, Pelco, Honeywell
5.00	Cables		Policab, Sunrise, Finolex, Versa



## AIR CONDITIONING

### **Annexure:-1 Machine prices and hi-Side works**

BOQ of VRV system Air-Conditioning					
SLNO	Description	Quantity	Unit	Unit Rate (Rs.)	Amount (Rs.)
	<b>SUPPLY OF VRV/HI BRID AIR-CONDITIONING EQUIPMENT.</b>				
1	Supply & Installation testing commissioning and handing over of <b>VRV/Hi brid</b> airconditioning system comprising of Modular type high efficiency DC Scroll / Twin Rotary Multiple Compressor with DC inverter, High efficiency heat transfer Cooling Coil suitable for Environment friendly R410a / R407c/ R22 refrigerant, Air cooled propeller type condenser fan with DC motor drive, interconnecting piping, suction line insulation etc., Micro-processor control panel suitable for automatic operation, High speed calculation inverter control, active oil control mechanism incorporating all safety functions as per equipment specifications & other points as listed below:				
	All components shall be mounted on welded steel base frame, structural steel profiles/panels made out of M/S steel, protected with primary coat & finished with acrylic paint.				
a	<b>Outdoor Unit(ODU) : COOLING ONLY.</b> <b>Capacity : 30.0 HP (Two modules)</b>	1	Lot		
2	<b>Indoor Unit(IDU): Cooling Only :</b> <b>Supply, installation, testing, commissioning and handing over of VRV indoor units.</b> All the units shall be supplied with Cordless remote control.				
b	<b>Serving Area: Concept centre</b> <b>4.0 tr 14 kw 4 Way cassette</b>	1	No.		
c	<b>Serving Area: Confrence room and chairman's cabin</b> <b>3.2 tr 11.2 kw 4 Way cassette</b>	3	Nos.		
d	<b>Serving Area: Concept room server</b> <b>1.03 TR 3.6 kw Hi-Wall splits.</b>	1	No.		
e	<b>Serving Area: Main server, Guest rooms, data and quality centre.</b> <b>1.06 TR 5.6 kw Hi-Wall splits.</b>	6	Nos.		
f	<b>Serving Area: UPS ROOM /Electrical room</b> <b>2.03 TR 7.1 kw Hi-Wall splits.</b>	1	No.		
i	<b>Remote controller cordless for Cassette splits.</b>	4	No.		

j	Remote controller cordless for Hi-wall splits.	8	Nos.		
k	Central controller outdoor unit.	1	No.		
l	Imported fittings,Y-Joints and headers etc as per the layout	1	Lot		
	<b>TOTAL</b>				
	VAT 13.5% @ 80%Of the total cost.				
	SERVICE TAX 10.3% @ 20% of the total cost.				
	<b>GRAND TOTAL.</b>				

SLNO	Description	Quantity	Unit	Unit Rate (Rs.)	Amount (Rs.)
Sl.No	Description	Unit	Quantity	Rate in Rs	Amount in Rs
	<b>SUPPLY OF DX DUCTABLE SPLIT AIR CONDITIONER</b>				
1	Supply installation testing commissioning and handing over of Actual Capacity 10.3 TR @ 38 Deg C ambient, ceiling Mounted air cooled DX Packaged unit with long Distance Copper Refrigerant Piping Units ) complete with fan section, coil section, filter section, twin circuits, matching outdoor unit with two ( 2 ) scroll compressors of equaly capacity, air cooled condenser coils, condenser fans with weather proof motors, safety controls, microprocessor controlled starter for evaporator fans, etc., . <u>Refrigerant shall be /R 22</u>				
a	<b>11.0 TR</b>	Nos	1		
	<b>Total</b>				
	VAT 13.5% @ 80%Of the total cost.				
	SERVICE TAX 10.3% @ 20% of the total cost.				
	<b>GRAND TOTAL.</b>				

## AIR CONDITIONING

### BOQ of VRV system Air-Conditioning

SLNO	Description	Quantity	Unit	Unit Rate (Rs.)	Amount (Rs.)
	<b>LOWSIDE WORKS OF VRV/HI BRID AIR-CONDITIONING EQUIPMENT.</b>				
1	Factory fabricated GSS Ducting (Box ducts only) with powder coated M.S. angle Flanges, supports, neoprene rubber gaskets, VOC free adhesives, bolts, washers & nuts. GSS ducting shall meet the requirements of Class VIII. Site fabrication is not permitted. Ducts should be supplied, stored and installed with polythene sheets wrapped around and the open ends are sealed from the factory. Make ; Rolarstar /Camduct				
a	24 G	Sqm	190		
b	22 G	Sqm	95		
c	20 G	Sqm	30		
2	Supply and installation of duct thermal insulation of semi rigid fibreglass of 25 mm thick 24 Kg/cum in density, faced with .26G AL .foil sheet	SQM	40.00		
3	Supply and installation of Acoustic Insulation for ducting made out of 25mm thick rigid fibre glass of 48Kg/Cum covered with RP Tissue and 26 G Aluminium perforated sheet. Corner joints with GI Angle clamps.	Sqm	35.00		
4	Plenuem box made of 22g GI sheet for Supply air duct of size 450x450 & 375x375. Plenuem with projected notch for firmly fixing the diffuser. With Supports To match the diffuser neck.				
	450x450 neck size	Nos	24.00		
5	Aluminium powder coated supply air diffuser of 450x450 neck size with color damper to fix with plenuem box notch for firmly fixing flexible ducts and the outer size of diffuser should be 600 x600 with OBD.	Nos	24.00		
6	Aluminium powder coated Return air diffuser of 450x450 mm neck size and the outer size of diffuser should be 600 x600 with OBD.	Nos	24.00		
7	250 mm dia spigot made of 20g GI sheet for supply air diffuser. Spigots to have projected notch for firmly fixing the flexible ducts.	Nos	24.00		
8	250 mm dia insulated flexible duct for Supply air diffuser. Ducts to be hung stretched and not left sagging. Tag of length 4" more than the spigot circumfrance to be supplied with the flexible duct.	Rmts	55.00		
9	Aluminium factory extruded, powder coated contionous grille with end flanges fixed from factory for supplyair of the sizes mentioned in drawings. Groove for Screw fixing on the grille to be counter sunk. Stream splitter damper should be operable through screw head.	Sqm	5.00		

10	GI volume control damper ( Quadrant type and Opposed blade construction) with matching flanges on both side. The space between the bolts should be not more than 100 mm.	sqm	4.00		
11	Supply installation of hard drawn copper refrigerant pipes with 19mm & 13 mm thick closed cell elastomeric Tubular insulation for suction line, supports, fittings, etc...for <b>VRF system 38 hp</b>	Lot	1.00		
12	Supply installation of hard drawn copper refrigerant pipes with 19mm & 13 mm thick closed cell elastomeric Tubular insulation for suction line, supports, fittings, etc...for <b>DX type Ductable system 10 tr</b>	Lot	1.00		
13	Supply installation,testing,& commissioning of electrical cables for indoor outdoor & control cables for all units as per tender drawing.				
a	2.5 sqmm 4 c	Lot	1.00		
b	4 sqmm 4 c	Lot	1.00		
14	Supply, installation HDPE condensate drain pipe with NRV necessary fittings, supports, etc., for split AC,s				
c	35 mm dia	Lot	1.0		
15	Air Balancing of each individual supply air outlet to within +10% or -5% of the design air quantity and tabulating the same in a form of report and also the final air balancing figures to be indicated against each measured outlets in the as built drawings. Balancing also includes balancing of return air, supply air and outdoor fresh air quantity.	Lot	1.0		
16	Supply installation of duct supports,fasteners, with angle frames,channels as per duct layout	Lot	1.0		
	<b>Total.</b>				
	VAT @ 13.5% on 80% of the total cost.				
	Service tax @ 10.3% on 20% of the total cost.				
	<b>Grand total.</b>				