

**PROPOSED INTERIOR FURNISHING & ELECTRICAL WORKS FOR  
DCC BANK AT ADASARLAPADU BRANCH, ADASARLAPADU, TELANGANA.**

<b>ABSTRACT ESTIMATE</b>		
<b>S.No</b>	<b>Description of item</b>	<b>Amount (In Rupees)</b>
1	<b>INTERIOR FURNISHING WORKS</b>	
2	<b>ELECTRICAL WORKS</b>	
	<b>TOTAL</b>	
	<b>ADD GST @18%</b>	
	<b>TOTAL OF INTERIOR FURNISHING AND ELECTRICAL WORKS</b>	
Note:1	The Quantites of the above items may be increased or decreased as per site condition and the bank has got the right to delete or increase/ decrease any quantity as per the convenience at the branch. However the contractor shall have binding over the rates quouted by them.	
Note:2	The make of all the material Specified above shall be followed as per the list of material approved and enclosed here with	

PROPOSED INTERIOR FURNISHING WORKS FOR DCC BANK, ADASARLAPADDU BRANCH					
SCHEDULE OF QUANTITIES, SPECIFICATIONS AND ESTIMATE: INTERIOR FURNISHING WORKS					
Sl. No.	Description of item	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)
	<b><u>INTERIOR WORKS:</u></b>				
1	<b><u>Solid Full Height Partition</u></b>				
	Providing & fixing in position solid Full height Double Skin Partition in frame work including door in 2' x 2' grid (horizontally and vertically) comprising of 2" x 2" saal wood Section with 9mm thick BWR Grade make plywood on both sides finished with 1mm thick laminates of approved make and colour, Item to include 2" x 2" sal wood member for door frame. All exposed beech wood surfaces to be finished in melamine polish of matching laminate colour as directed including all necessary Stainless Steel finish fittings/ hardware, door closers, Godrej locks and wood preservative paint etc. as per list of approved material and as approved by the Project Consultant/ Bank officer complete for finished item of work in all respects.				
	Note: In case of false ceiling, the Vertical sal wood members to be fixed with pucca ceiling but the area of partition payable will be below the false ceiling only).				
1.1	<b>Main Entrance Partition</b>	<b>SMT</b>	17.84		
1.2	<b>Cash Counters Partition</b>	<b>SMT</b>	7.29		
1.3	<b>UPS Room Partition</b>	<b>SMT</b>	8.09		
1.4	<b>Record Room Partition</b>	<b>SMT</b>	10.18		
2	<b><u>Partly Glazed Full Height Partition:</u></b>				
	Providing and fixing in position partly glazed Full Height Partition work as shown in the drawings including door as shown in the drawings in frame work at 2' x 2' grid (horizontally and vertically) comprising of 2" x 2" saal wood Section and / or as per frame work shown in the drawings with 9mm thick BWR plywood on both sides finished with 1mm thick laminates of approved shade and colours as shown in drawings.				
	Item to include 8mm thick Saint gobain Make glass with etching and frosting as per design and 2" x 2" <b>saal wood</b> door frame to take 8mm thick Saint gobain make glass with etching and frosting.				
	All exposed beech wood surfaces to be finished in melamine polish of matching laminate colour as directed including all necessary Stainless Steel finish fittings / hardware, door closers, Godrej.				
	Locks and wood preservative paint etc. as per list of approved Consultant/ Bank officer complete for finished item of work in all respects.				

	(Note: In case of false ceiling, the vertical saal wood members to be fixed with pucca ceiling but the area of partition payable will be below the false ceiling only).				
<b>2.1</b>	<b>Manager Cabin</b>	<b>SMT</b>	11.36		
<b>3</b>	<b><u>Partly Glazed Half Ht Partition</u></b>	<b>SMT</b>	4.46		
	Providing and fixing in position partly glazed low height partition ( 2½" thick) in frame work with saal wood vertical members at 2' c/c and 3 horizontal members at equal distance comprising of 2" x 2" saal wood section with 9mm thick BWR plywood on both sides finished with 1mm thick laminates of approved make and shade as shown drawings. Item to include 12mm thick glass Saint gobain make (clear / frosted) to be fixed as shown drawing. The exposed edges of the glass to be finished in mirror polish. Beech wood runner should be melamine polished in matching colour of laminate etc., complete for finished of work in all respects.				
<b>4</b>	<b>Wicket Gate:</b>	<b>SMT</b>	1.11		
	Providing and fixing wicket gates 4' height with wooden frame work, necessary hardware, lock, hinges and fixing 19mm thick BWR plywood with 1mm thick laminate on both sides of frame. All exposed edges shall be fixed with 12mm thick steam beach wood beading finished with melamine spray polish.				
<b>5</b>	<b>COVER FOR ROLLING SHUTTER:</b>	<b>SMT</b>	7.53		
	Providing, fabricating and fixing cover for rolling shutter made of 2"x2" sal wood frame work spaced at 18" c/c both directions, fixing 19mm thick BWR plywood and 1mm thick laminate(only out side) of approved shade with necessary locking arrangements. Separate flap door should be made for rolling shutter to operate. The Shutters should be provided with locking arrangement.				
<b>6</b>	<b>12mm thick toughened glass partition</b>	<b>SMT</b>	3.07		
	Providing & Fixing in position 12 mm thk toughened Glass at cash counter & Work Station Counters front side, including all necessary items, labour charges, all taxes etc., Complete for the finished item of work in all respects.				
<b>7</b>	<b>Grill Work at Cash Counter</b>	<b>SMT</b>	4.00		

	Aluminium Grill – Providing & Fixing of Aluminium Grills Glazed at Cash Counter. Made out of 2" x 2" hollow square frame section as directed. Work includes antirust coat & two coats of first quality enamel paint. All necessary Items, all taxes, Labour charges, etc., complete for finished of work in all respects.				
<b>8</b>	<b>Doors in Partition</b>				
	Providing and fixing 35mm thick solid core flush shutter with 85mm x 15mm beech wood jamb alround and 12mm x 12mm button beading fixed with 1mm thk laminate on both sides and 8mm clear float glass with etching fixed and approved bank logo fixed as per drawing with 50mm x 15mm beech wood jamb around the glass opening and 12mm x 12mm beech wood beading for fixing of glass on both sides, including necessary hardware viz., door stopper, door closure ,lock, handles, brass hinges (all of approved make and quality), melamine spray polish finish for all beech wood members, etc., complete as directed.				
<b>8.1</b>	Manager Room Door	<b>SMT</b>	3.90		
<b>8.2</b>	Cash Counter Door	<b>SMT</b>	1.63		
<b>8.3</b>	UPS Room Door	<b>SMT</b>	1.95		
<b>8.4</b>	Record Room Door	<b>SMT</b>	1.95		
<b>9</b>	<b>Main Entrance Door</b>	<b>SMT</b>	3.90		
	Providing and fixing glass door for entry with 75mmx75mm beech frame wood work duly fixed with the partition/wall with hold fast duly polished. A white beach wood frame work size100mmx50mm as four side with a decorative handle of 600mm of approved brand, floor spring Locks, etc all complete. 100mmx50mm thk stiles to be fixed on the frame 3 sides. 12mm thk toughened with etched glass and Bank logo frosted design with necessary sand blasting/granular blasting to be provided and edge should be machine beveled polished. The work to be completed as per design and specification of the Architect all complete. The wooden portion to be duly malamine polished.				
<b>10</b>	<b>ATM Entrance Door</b>	<b>SMT</b>	1.63		

	Providing and fixing glass door for entry with 75mmx75mm beech frame wood work duly fixed with the partition/wall with hold fast duly polished. A white beach wood frame work size 100mmx50mm as four side with a decorative handle of 600mm of approved brand, floor spring Locks, etc all complete. 100mmx50mm thk stiles to be fixed on the frame 3 sides. 12mm thk toughened with etched glass and Bank logo frosted design with necessary sand blasting/granular blasting to be provided and edge should be machine beveled polished. The work to be completed as per design and specification of the Architect all complete. The wooden portion to be duly malamine polished.				
<b>11.0</b>	<b>TABLES:</b>				
	<p>Providing and fixing in position Manger's Table of size 6'-0" x 3'-0", Officer's table of size 4'-0" x 2'-6", including Built in Storage (Credenza) by using 19 mm thick BWR plywood and sides &amp; Front 19mm thick BWR plywood for all other horizontal and vertical members 12mm thick plywood Including Telescopic CPU Stand/ ready made keyboard tray shall be provided of approved model and make. Footrest made with T.W. member of size 4" x 1 ½" "finished with French polish, Including Table Front 12mm thk Glass Size of ( 5'-0" x 1'-6") with edges polished, approved Bank logo at counters front.</p> <p>All exposed plywood surfaces to be finished with 1mm thick Greenlam Make laminate of approved make &amp; shade and all exposed edges of table top &amp; ply verticals to have 1" x ¼" beech wood lipping. All exposed beech wood sections to be melaminated and Internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete for the finished item of work in all respects.</p>				
<b>10.1</b>	Branch Manager (1500X900X750)	<b>NO</b>	1		
<b>10.2</b>	Work Station Tables (1200X750X750)	<b>NOS</b>	3		
<b>11.0</b>	<b>SIDE UNIT (Manager Table)</b>	<b>EACH</b>	1		

	Providing and fixing Side Unit/Back unit made out of 19mm thick Truwood Make BWR Grade plywood finished with 1.0mm laminate in all exposed areas. The drawers to be made out of 19mm thick Truwood Make BWR plywood in the front cladded with 1.0mm laminate sides to be made out of 12mm thick plywood and bottom made out of 6mm thick plywood duly painted in matching tone and it should play on drawer sliding channels. The shutters to be made out of 19mm thick plywood and should play on drawer sliding castors on powder coated channels. The necessary locks, handles, etc to be provided. 75mmx12mm wooden skirting to be provided duly polished as per matching tone all along the visible areas. Inside of the unit to be enamel painted in matching tone. All the exposed edges of the boards/plywoods to be covered with wooden lippings/mouldings duly polished all complete. The work to be completed as per approval and specification of the Architect				
<b>12.0</b>	<b>CASH COUNTER</b>	<b>EACH</b>	<b>1</b>		
	Providing and fixing top 19 mm thick Plywood BWR Grade, front & side of cash counter made out of 19mm thick BWR plywood as per design cladded with 1.0mm thk laminate on side and front & the edges to be finished with necessary white beach or white ceader lippings, mouldings, etc. Special 150mm drawer to be made for the cash with dividers of 12mm thick BWR plywood The front of the drawer made out of 19mm thick BWR plywood finished with 1.0mm laminate, sides 12mm thick BWR plywood and bottom to be made of 6mm thicke BWR plywood. The inside and sides of the drawer to be duly polished. The drawers and shutters to be provided with necessary drawer sliding channels, hings, locks etc. A foot rest to be provided made out of 19mm thk BWR plywood duly polished. Inside of the unit to be polished in the matching tone. All visible areas to be covered with white beach of white ceader lippings, mouldings with natural polish. Wire manager, Durable Counter at cash front, CPU trolly, keyboard tray, tea tray to be provided 75mmx12mm white beach white ceader skiritig to be provided with natural polish in all visible areas and 18mm thk Plain Glass to be provided at counter 2nd top customer face. counter top at 1100 mm lvl. Item include Durable Counter at Front of Cash Counter with fixing arrangement.				
	The work should be completed as per specification.				
	Size: 8'-0" x 5'-0" x 8'-3"				
<b>13.0</b>	<b>WALL MOUNTED WRITING LEDGE:</b>	<b>EACH</b>	<b>1</b>		

	Providing and fixing writing ledge as per design made out 19mm thk BWR plywood with necessary grove patterns 1.0mm thk laminate( colr, vertical grain) to be cladded. Small boxes to be made out of 19mm BWR plywoods to be made on top of the writing ledge finished with 1.0mm laminate, inside enamel painted. The work to be completed as per design and approval of the architect.				
<b>14.0</b>	<b>SOFT BOARD/NOTICE BOARD</b>	<b>EACH</b>	<b>1</b>		
	Providing and fixing soft board with necessary framework with 12mm BWR Grade plywood on top jolly board to be fixed finished with fabric @Rs 100, with necessary mouldings duly polished along the periferi.				
<b>15.0</b>	<b>Cheque drop box:</b>				
	30" long Wall mounted Making and fixing Cheque drop box with 8mm thk. glass on top and sides with box 5"x5" with glass selves (4) with lamination to internal wooden ply surface sides, writing desk shall be rested on the Box 12" deep with shutter and glass window including locking arrangement as per the profile finished with lamination to exposed and internally with zinc polish finished complete.	<b>EACH</b>	<b>1</b>		
<b>16.0</b>	<b>Complaint Box</b>				
	30" long Wall mounted Making and fixing Complaint box with 8mm thk. glass on top and sides with box 5"x5" with glass selves (4 sides) with lamination to internal wooden ply surface sides, writing desk shall be rested on the Box 12" deep with shutter and glass window including locking arrangement as per the profile finished with lamination to exposed and internally with zinc polish finished complete.	<b>EACH</b>	<b>1</b>		
<b>17.0</b>	<b>Deposit Rate Board:</b>	<b>EACH</b>	<b>1</b>		
	Providing and fixing Deposit Rate Board with necessary framework, 12mm thk BWR Grade plywood with 1mm thk laminate, necessary mouldings duly polished along the periferi.				
<b>18.0</b>	<b>Timing Board:</b>	<b>EACH</b>	<b>1</b>		
	Providing and fixingTiming Board with necessary framework, 12mm thk BWR Grade plywood with 1mm thk laminate, necessary mouldings duly polished along the periferi.				
<b>19.0</b>	<b>Mineral Fiber Tiles:</b>	<b>SMT</b>	<b>57.43</b>		

	Providing & fixing in position false ceiling in Armstrong 600 x 600 mm x 15/16 mm Dune Supreme RH 99 Prima tile with Tegular edge framework as specified by Armstrong Co. with suspends wherever required. Making necessary framework for A.C. ducting, if any, and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A.C. unit in 19mm Thick BWR Grade Plywood with Stainless Steel hinges & Locks with moulding 1" x 1" for edges including finishing with white Plastic Emulsion Paint etc. Complete in all respects. (Note:- Only the plan area will be measured for payment. No extra payment will be made for cutouts, grooves, mouldings etc.)				
<b>20.0</b>	<b>Running Table Top</b>	<b>RMT</b>	1.50		
	Providing & Fixing of Running Table top 1' -6" width using of 19mm thk BWR grade plywood finished with 1mm thk laminate, including all necessary items, labour charges, screws, Taxes. The work to be completed as per specification and approval of the architect.				
<b>21.0</b>	<b>Paints:</b>				
<b>21.1</b>	<b>Wall/ Ceiling Putty:</b>	<b>SMT</b>	120.00		
	Supply and finishing of Unitek Superfine or Birla Wallcare (Water resistant Grade or equivalent brand to ceiling of approved colour as per manufacturers specifications including Removal of existing wall putty, cost and conveyance of materials to site and labour charges such as preparing the wall, applying the primary coat etc., complete for finished item of work.				
	Note: Measurment take up to false ceiling area only.				
<b>21.2</b>	<b>Plastic Emulsion Paint:</b>	<b>SMT</b>	180.00		
	Providing & applying White Plastic Emulsion Paint of Asian Paints/ ICI Dulux/ Berger or Royal Luxury Emulsion of Asian Paints in minimum 2 coats including scrapping, opening of exiting cracks, filling up of ``v'' cracks with epoxy expandable putty to required depths, making good weak plastered/ unplastered surfaces with cement plaster wherever required.				
	Note: Measurment take up to false ceiling area only.				
	<b>GRAND TOTAL OF INTERIOR FURNISHING WORKS</b>			<b>Rs.</b>	

Contractor Signature

PROPOSED ELECTRICAL WORKS FOR DCC BANK, ADASARLAPADU BRANCH.					
SCHEDULE OF QUANTITIES, SPECIFICATIONS AND ESTIMATE: ELECTRICAL WORKS					
S.NO	DESCRIPTION	QTY	UNITS	RATE	TOTAL AMOUNT(Rs)
<b>A</b>	<b><u>Lighting work</u></b>				
1	Supply and wiring with 2runs of 1.5 sqmm flexcible copper wire with 1run of 1.5sqmm copper wire for earth continuity in 2mm/1.5sqmm thick PVC Conduit with all required accessories, Concealed surface or poc casing as required for light points, fan points, bell points, exhaust, fan points, 6A plug points with suitable Concealed box with modular plate, including swithes and sockets with required termination with suitable sized pin type copper lugs complete.				
a	Primary light Points (With Switches):	27	PTS		
b	Secondary Light points	10	PTS		
c	Dependent Sockets	6	NOS		
2	Ceiling Fan Point				
	Supply and wiring similar to item1.1 above but for ceiling fan point & wall mounting fan point including box and 5 Amp. Control switch, 100W step type Electronic fan regulator and providing of Fan hook.	9	PTS		
3	Wall mounted fan point				
	Supply and wiring similar to item similar to the above but for wall Mounting fan point including box and 5 Amp. Control switch, Providing Clamp.	1	PTS		
4	Call bell point with 1 Buzzer				
	Supply and wiring same as item 1.1 above but for Call bell point including supply and fixing of 5A bell push along with Buzzer	1	NO		

5	Raw Power Socket: Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on concealed with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin ,15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required, supply and wiring with 2 runs of 2.5 Sq.mm with 1 runs of 1.5 Sq.mm copper wire FRLS for earth continuity in 2mmsqmm thick PVC conduit with all required accessories, complete for the finished item of work.	6	Nos		
6	Supply and fixing of 16A DPMCB on a suitable metal box concealed in wall with supply and laying of 3 Core 4.0 Sq mm Copper armoured cable as required for Spilt Air conditioners.	6	Nos		
	<b>U.P.S WIRING:</b>				
7	Supply and fixing of 3 nos. of flush type 6A, 5 pin combined switch socket outlets in the modular type plastic box including 1 no of 16A switches in a separate box above table and front plates including interconnections, item including 3 core x 2.5sqmm multistrand copper conductor FRLS wires with suitable size heavy guage PVC Conduit concealed in wall/flooring (including cutting and filling) or suitable width casing and capping of approved quality alongwith required accessories and interconnections.	13	Nos		
8	Supply and fixing of 1no. of flush type 16A, 5 pin sockets with 1 No 16A Switch in the modular type plastic box including Interconnections With 3x2.5Sqmm Wire for Printer point at Cash machines.	1	No		
9	Supply and fixing of 2nos of flush type 16A, 5 pin sockets with 2 Nos of 16A Switch in the modular type plastic box including Interconnections With 3x2.5Sqmm Wire for ATM machines.	1	No		

10	Run of mains				
	Supply and wiring with 650V grade PVC insulated Copper Conductor multistrand wires of following sizes in suitable size heavy gauge MS conduits concealed in wall/flooring and with suitable width casing and capping of approved quality alongwith required acc				
	2 runs of 6sq.mm with 1 run of 4 sq.mm for earth (UPS to UPS DB)	22	Mtr		
a)	Supply, instalation, testing of 8way SP.H MCB distribution Board Concealed/ surface double door type as per TP 42 or TP 55 UPS DB with 1No.32A DP MCB as incomer and 12Nos of 6A to 16A SP MCB's as out going including termination with suitable sized copper lugs complete enclosers.	1	NO		
b)	Supply and fixing of 12A SPDB with 40AMPS FP Isolator and 8Nos. Of Switches (For ATM Mains)	1	NO		
c)	Supply and fixing of 6/8 way SPDB with 40AMPS DP Isolator and 6Nos. Of Switches For Ups outgoing	1	NO		
d)	<b>UPS DB:</b> Supply, testing of 2way sheet steel enclose with 63A DP MCB with all required accessories complete for UPS.	4	NOS		
11	RUN OF MAINS:				
	Supply and wiring with 650V grade PVC insulated Copper Conductor multistrand wires in heavy gauge 25/32mm dia MS conduit concealed in wall/in suitable width casing and capping of approved quality alongwith required accessories etc. Laid on ceiling through partitions.				
a)	4 runs of 6 Sq.mm with 2 runs of 4 Sq.mm including supply and laying of suitable dia MS conduit with all accessories (LDB& PDB)	12	Mts		

b)	6Sqmm x 4 Core copper flexible wire + 4Sqmm Copper Flexible wire.	15	MTS		
c)	<b>Lighting DB:</b> Supply, installation of 4way TP&N Lighting MCB DB with 1No.63A 4 pole isolater and 12Nos of 6A to 32A SPMCB's as out going including termination with suitable sized copper lugs.	1	No		
d)	<b>MAIN DB:</b> Supply, installation of 8way VTPN DPX double door type as per IP 43 or IP 55 with 1No.125A 4 pole MCCB 25KA as incoming and 2Nos of 63A TP MCB's and 2Nos 32A TPMCB's and 14Nos of 6 to 32A MCB's with required accessories icluding termination with suitable sized copper lugs complete.	1	NO		
12	<b>SUPPLY AND FIXING &amp; CONNECTION OF LED LIGHT FITTING /FANS:</b>				
a	Supply and Fixing of Havells Make LED Venus Neo 2x2 34W Panel Light (LHEWBPP7PK1W034) or equivalent with all required accessories, including the cost and conveyance, required labour charges, material and necessary tools and accessories to execute the work complete for finished item of work	12	Nos		
b	Supply and Fixing of Havells 15W LED Down Light (LHEWEKP7PL1W015) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work.	12	Nos		

c	Supply & Fixing of Havells Make 18W four feet LED Light (LHEXBQP7IN1W018) or equivalent with all required accessories, including the cost and conveyance and all necessary taxes, GST Tax etc., for required labour, material and necessary tools and accessories to execute the work complete for finished item of work..	13	Nos		
d	Supply and fixing of 48" double ball bearing Ceiling fan for High Speed	9	Nos		
e	Supply and fixing of 400mm dia. wall mounted fans (Make/Model: Orient Electric Wall-45 400mm Wall Fan	1	Nos		
13	Providing standard Copper Plate Earth station, with 600x600x3.15mm thick copper plate including construction of brick pedestal, providing meshed funnel, CI cover and other Civil Engineering Works, spreading a homogeneous mixture of salt charcoal around the pipe etc, for sophisticated Earthing.	2	Nos		
14	Providing G.I earth station, with 40mm dia, 2500mm long galvanised iron pipe including construction of brick pedestal, providing meshed funnel CI cover and other Civil Engineering Works, spreading a homogeneous mixture of salt charcoal around the pipe etc, for Earthing.	1	Nos		
15	Supply and laying of following size copper earth wire/strips including excavation and refilling of earth when laid in ground and with all fixing accessories when laid inside the building including all necessary interconnections with earth station.				
14.1	i) 8 SWG Copper wire in PVC Conduit	18	MTR		
14.2	ii) 8 SWG GI wire	18	MTR		
16	<b>LAN WIRING:</b>				

	Supply and laying of heavy duty PVC conduits concealed in wall/floor and with suitable width casing and capping of approved quality alongwith required accessories and drawing of 12SWG GI Wire as fish wire for laying of Telephone cables at a later stage and supply of all fixing materials complete as required				
a	Providing and fixing of Lan points Double Line Laying of 4Pair, UTP cat 6 Systimax Lan Cable with Information outlet and Suitable 2mm Thick PVC Pipe Laying Below Flooring/Wall/Slab etc MS Junction Boxes to All Tables , Including all Related Civil Works etc All Cable Numbers to be Provided at both ends	6	Nos		
b	Supply of 7 feet Patch Cords.	12	Nos		
c	Supply of 3 feet Patch Cords.	12	Nos		
d	Supply and Fixing of CAT-6 , 24 Port Jack Panel,	1	Nos		
e	Supply and fixing of d-Link 10/100A mbps port switch	1	No		
f	Supply and fixing of 9U Rack with all accssories(Self, Cable Manager, Power Manager)	1	No		
16	<b><u>Telephone:</u></b>				
a)	Supply and fixing of RJ 11 Telephone point socket with 2 Pair Telephone Cable From Each Table to EPABX , this include suitable Surface/conceiled box and required all materials this Includes Supply and fixing of Suitabl PVC Conduites and Cable Numbers to provided, item including Wiring of Telephone Points Wiring with 5 Pair Copper cable and suitable conduites,required all materials etc.	6	Sets		
b)	Supply and fixing of 30Pair Termination EPBX Box with Connectors	1	NO		

c)	Main Lines Upto EPBX Line 10 Pair Finolex .5mm Copper Cable With Conduites etc	15	MTS		
17	<b>Fire Alarm and Fire detection System</b>				
a)	Supply,Installation, Testing and Commissioning of 2 Zones Micro processor based Fire alarm Control panel with zonal indications and battery back up as per detailed specifications Make: Ravel, Model no: RE-102, Including all necessary items, all taxes, labour charges etc., complete finished item of work.	1	No		
b)	Supply, Installation, Testing and Commissioning of Conventional Optical Smoke Detectors with base, Make:Apollo. Model no: Series_65	8	No		
c)	Supply,Installation, Testing and Commissioning of Manual call points ASB Type , Agni Make.	2	No		
d)	Supply, Installation, Testing and Commissioning of Electronic Hooters of 24 DC operated Electronic Hooters, with 110 db Sound, Model : ABS-II, Agni make.	2	No		
e)	Supply,Laying, Testing and Commissioning of 2 C x 1.5 Sq.mm Copper armoured Cable	68	Mts		
18	<b>CCTV SYSTEM:</b>				
a)	Supply, Installation, Testing and Commissioning of 8 Channel DVR with Hard Disk 2 TB. 8 ch video&1-ch audio input, 1 SATA, 2 USB, panel buttons optional, alarm I/O: 4/1 optional, 12 VDC, 1U, Make: Hikvision, Model no:DS-7208HFI-SN.	1	No		
b)	600 TVL, 1/3" DIS, 20m IR Distance, ICR, 0.1 Lux /F1.2, 6mm(2.8/3.6mm optional) / F1.8 Lens, IP66,Make: Hikvision, Model No:DS-2CE5582P-IR1	7	No		

c)	Supply, Laying, Testing and Commissioning of 1+3 CCTV CO-AXIAL CABLE, 100 YDS PER ROLL (SPACEKING GREY)	135	Mts		
d)	Supply, Installation, Testing and Commissioning of power supply unit, 230v input/ 12vol Dc output 10amps.	1	No		
19	<b>PORTABLE EXTINGUISHERS:</b>				
a)	Supply and Erection of DCP Type Fire Extinguishers 5 Kg capacity fitted with Gun metal union with High Pressure Co2 gas cartridge discharge hose etc, complete with initial charge conforming to IS: 2171 with ISI mark with stand, (Make :Safety First )	2	Nos		
b)	Supply and Erection of Carbon- dioxide type Fire Extinguisher of 2.0 Kg cap. Complete with one meter hose and horn with bendpipe and horn with ISI mark, (Make: Safety First )	2	Nos		
	<b>GRAND TOTAL OF ELECTRICAL WORKS</b>			<b>Rs.</b>	

Contractor Signature