

**INTERIOR, AC, ELECTRICAL & FURNITURE WORK FOR AICTSL CONTROL ROOM
OFFICE, INDORE**

SUMMARY OF WORK

S.No.	DESCRIPTION	TOTAL AMOUNT
1	COST FOR FURNISHING AND INTERIOR WORK	-
2	COST OF AIR CONDITIONING WORK	-
3	COST OF ELECTRICAL WORK	-
4	COST OF FIRE WORK	-
	TOTAL	-

FURNISHING AND INTERIOR WORKS OF AICTSL FIRST FLOOR OFFICE , INDORE					
	ITEM LIST	Qty	Unit	Rate	Amount
A	FALSE CEILING				
1	Providing and fixing at all height false ceiling of 12.5 mm thick tapered edge gypsum board conforming to IS: 2095 including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanized in accordance with zinc coating 600 as per IS: 277 and consisting of angle cleats of size 25 mm wide X 15 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastener 12.5 mm dia X 40 mm long with 6 mm dia. Bolts to the angle hangers of 25 X 25 X 5 mm of required length, and other end of angle hanger being fixed with nuts and bolts to 6.1 channels 45 mm X 15 mm X 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450 mm centre to centre shall be fixed in a direction perpendicular to 6.1 channel with connecting clips made out of 2.64 mm dia. X 230 mm long 6.1 mm wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive – all screws @ 230 mm interval including joining and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finished and two coats of primer suitable for gypsum board as per manufacturers specification and also including the cost of making openings for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed finishing of all joints neatly to proper line & level including providing of additional framework for electrical fixtures. Including giving trap doors where ever required. Diffusers, cutouts for fire sprinklers etc. as per the specifications approved by architects Including necessary scaffolding supports, suspenders etc. All complete as per drawing and specification and direction of the architect.	10	sq.mt		-
2	Providing and fixing 15mm thick of approved texture with required groove approved by architect false ceiling tiles of Armstrong/Saint Gobin India Gypsum of size 600x600mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel section (galvanised @ 170 gms/sqm.) consisting of main T runner suitably spaced at joints to get required length and of size 24x38 mm made from .3mm thck. sheet spaced at 1200mm c/c and cross T of 24x25 mm made of .3mm thick, sheet 1200mm long spaced between main T ant 600mm c/c to form a grid of 1200x600 and a secondary T of length 600mm of size 24x25 made of .3mm thck. sheet to be interlocked at middle of the 1200x600mm panel to form a grid of 600x600mm and laying of 15mm thck. mineral fiber ceiling tiles of approved texture in the grid including where ever required cutting/making opening for services like difusers, A.C grills, light fixture, smoke decioters etc.Main T runner to be suspended from ceiling using G.I slotted cleats fixed to the ceiling with 6mm dia. and 50mm long dash fasteners,	210	sq.mt		-
					-
B	DOOR :				-
1	Providing and fixing new flush door finish with 1mm laminate of approved shade complete with door accessories.	9	sq.mt.		-
5	FRAMELESS GLASS TOUGHENED DOOR WITH PATCH FITTINGS	10	sq.mt		-
					-
C	PARTITION :				-
1	Providing and fixing 70mm thick partition which includes 8mm MR commercial Plywood both side screw fixed with drywall screw of 25mm at 300mm centres to either side of 48mm studs (0.5mm thick having one flange of 34mm and another flange of 36mm made of G. I. Steel) placed at 610mm centres in 50mm floor and ceiling channel (0.5mm thick having equal flanges of 32mm made of G. I. Steel) with joints staggered to avoid through joints.A fixing channel of 99mm width (0.9mm thick having two flanges of 9.5mm each) has to be provided at the horizontal 600 mm C/C Finally partition is finished with 1mm laminate on both side.All exposed wooden members to be finished in Melamine polish, in approved shade and pattern to be match with partition or as as per instruction	115	sq.mt.		-
2	Providing and fixing frameless glass partition with 12mm toughened glass frosted/etched with necessary patch fittings(Dorma) of approved make and as per the directions of the architect.	12	sq.mt.		-
3	P/F 12MM GLASS FIXED IN PARTITIONS WITH WOODEN BEDDING FROSTING/ETCHING COMPLETE AS PER DESIGN.	35	sq.mt.		-
4	Providing and fixing 1st ClassTeak wood/Rubeer wood skirting wherever required as per carved profile of size 75mm widex15mm thick duly melamine polished.Fixing details as per drawing and as directed by architect.	50	mnt		-
					-
D	WALL PANNELLING				-
1	Providing and fixing paneling on wall, on G.I hat furring channel 22-25 depth with grid size 600mmx 600mm both ways fixed to wall, columns in any profile and covered with 8mm plywood of approved make and finished with 1 mm Laminate as approved on exposed faces with grooves as per design.The rates shall include all hardware, fittings, adhesives, beadings, lippings etc. as directed by the architect	10	sq.mt.		-
					-
E	WINDOW COVERINGS				-
					-

2	Providing and fixing of Roller blinds Both side Coated with Blackout Fabric, Coating is of PU. Max. Width 2.50 M; with smooth operating roller rods of approved shade and quality	18	Sqm	-
F FLOORING :				
1	RAISED FLOORING with Steel Cementitious panel:- Providing and fixing in Steel Framing Raised Flooring structure with 600mm x600mm high pressured anti static laminates tiles as per drawing and specification Specification of Panel/Tile: Supply, installation, testing & commissioning of imported Steel Cement Cavity Access floor Tile Specification of Panel/Tile: Tile Size - 600mm x 600mm tile Point Load - 440 kg Rolling Load - 450 kg Uniform Dis. Load (UDL) - 2100 Kg. per M2	130	Sqm	-
2	Providing and fixing at sited 2.0mm thick pvc stripes flooring of approved colour & shade to be fixed at the site with all the edges should be properly sealed including cost of laminated skirting, all materials, labour etc complete.	80	Sqm	-
3	Providing and fixing in position imported carpet of approved shade and brand 500 GSM PILE WT. GROSS WT 1000 GMS, Graphic loop pile having thickness 5mm-6mm with primary backing of polypropylene woven sect and secondary PVC backing, complete as per drawings, specifications and as per the direction of architect. Carpet to be installed with standard fevicol/Dunlop adhesives. The flooring to be installed as per manufacturer's specifications and to be installed by its authorized agency or as approved. The installation to be in line and level including the cost of all materials, disposal of debris etc, complete to the satisfaction of architect.(MAKE - SOLUTIA)	180	Sqm	-
G PAINTING WORK				
1	Painting with internal walls putty finish with two coats of primer and two coats of emulsion paint of Nerolac/Asian paints all caps emulsion (or) equivalent in all height of walls including scaffolding, cleaning and supply of all materials complete. The work has to be completed as per architect direction. This includes removing of existing distemper by scraping and scrubbing.	280	sq.mt.	-
H MISCELLANEOUS :				
1	Providing and fixing in Wooden Work Stations round arc as per Design/Drawings with Keyboard tray,CPU Trolley,One Drawer and a storage unit including all locks and hardware fittings.Godrej/Ebeo Make.(FRONT AREA SHOULD BE MEASURED FOR PAYMENT)			-
	10'-6" x 2'-6"x 2'-0" Work Stations	2.5	sq.mt.	-
	12'-6" x 2'-6"x 2'-0" Work Stations	3	sq.mt.	-
2	Mesh Low Back Chair:- Specification-Size-H:1000-1100mm, Seat ht: 460-560mm, D-600mm, W-590 mm 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Seat Hot pressed ply wood with steel T-Nuts for rigid fastening with PP cover. Back is molded Bright Bar with stitched Mesh Cloth. Sturdy steel column gas lift for center support and seat height adjustment. Telescopic ABS cover over steel column. Five position Lockable Sincro tilt mechanism and with Single piece Die castes PP arm rest adjustable with PP pad. Quality tapestry. High density Molded PU cushion.	7	Nos	-
3	Sofa 2 Seated es-23:- Specification- Size-H-870 mm, L-1450 mm, D-840 mm. Structure made of treated agro wood, fitted with 50mm wide rubberized belts 50mm wide with high density PU foam as per design. Upholstered with premium quality PU cloth with help of stitching, where ever necessary.	2	Nos	-
2	STORAGE WITH LAMINATE FINISH : Providing supplying and fixing at site Side and Back storage unit 450 deep made out of 18 mm thk ply board and back of the side unit is of 8mm ply, unit is provided with verticle and horizontal divisions as per design with drawers & shutters, lockable, with all hardware like hinges, tower bolt, magnetics catcher, lock of approved quality. Inside exposed ply surfaces of the runner finished with 8mm laminte. Exposed outside surface laminate finish of approved colour and shade. All exposed edges finished with first quality T.W. beadings to be finished in 2 to 3 coats of melamine polish of approved shade.(front Area should be measured for payment)	2	sqmt.	-
	Table:- Specification-Size Length:1500mm, Width:750mm, Height: 750mm,C- Frame Leg 200mm wide made of aluminium profile and cold rolled close annealed formed sections, having provision for wire management. Top made of 25mm thick Pre-laminated Particle Board. Edge beading of edges by Through Feed Machine. Dotted embossed cable Duct and Perforated steel modesty panel on visitor's side .All steel components are epoxy powder coated after seven tanks anti corrosion treatment of surface.	3	Nos	-

	<p>Side Runner:-Specification-Size Height:750mm,Width:900mm,Depth:400mm. Body part made-up of prime quality cold rolled close annealed Sheet Use only MIG/TIG & Spot welding for fabrication. Top made of 18mm thick Pre-laminated Particle Board. Side Edges covered with PVC edge band on edge bending machine. Provision of drawer below table top with telescopic chanel. Superior Quality make lock. PVC handles. Doors in cold rolled close annealed M.S. Sheet. Doors are Top hung slide on roller bearing. All steel components are epoxy powder coated followed by seven tanks anti corrosion treatment of surface.</p>	3	Nos		
	<p>Hi-back Chair:-Specification-Size Total Height-1070-1190mm, Depth 685mm, Width-590mm Seat Height:425-510mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for center support and seat height adjustment. Telescopic ABS cover over steel column. Lockable center tilt mechanism and with Single piece integral skin PU arm rest. Quality tapestry. High density Molded PU cushion. Upholstery 1.5 Mtr.</p>	3	Nos		
	<p>Low back Chair:-Specification-Size Total Height-810-895mm, Depth 685mm, Width-555mm Seat Height:425-510mm. 5-Prong nylon base for stability. Twin Wheel heavy Duty Castor for easy mobility under load. Hot pressed ply wood with steel T-Nuts for rigid fastening. Seat and back are covered with PP cover. Sturdy steel column gas lift for center support and seat height adjustment. Telescopic ABS cover over steel column. Lockable center tilt mechanism and with Single piece integral skin PU arm rest. Quality tapestry. High density Molded PU cushion. Upholstery 1.2 Mtr.</p>	6	Nos		
				Total	-

AIR CONDITIONING WORKS OF AICTSL FIRST FLOOR OFFICE , INDORE					
S. No.	Item / Work Description	Unit	Quantity	Unit Rate	Total Amount
				INR	INR
A.	Supply, Installation, Testing & Commissioning of DX Type Precision Airconditioner having Green Refrigerant-R-407 Only along with accessories as per the following Scope of Work:				
	Supply of 5.5 Tr. Actual Capacity Precision AC units as per detailed specifications	Nos.	2		-
	BMS Card	Nos.	2		-
	MAKE-VERTIVE				-
					-
B	Installation, Testing & Commissioning of Precision AC units comprising of following				-
					-
	Installation and Commissioning with Nitrogen pressuring, vaccumising , Lifting, shifting & positioning of units to site.	Nos.	2		-
	Precision AC indoor unit MS stand Red Oxide Painted	Nos.	2		-
	Outdoor unit standard frames	Nos	2		-
	Interconnecting Copper piping (set of Hot and Liquid Line) between indoor & outdoor unit.	RMT	35		-
	Hot Gas line insulation	RMT	16		-
	Liquid line insulation	RMT	16		-
	Refrigerant Gas 407c	Kg's	24		-
	Interconnecting copper cabling between indoor & outdoor unit (3 Core x 2.5 Sqmm) along with cable tray	RMT	40		-
	Aluminium powder coated SA grill	Sqmt	0.70		-
	Insulated supply air plenum	nos	2		-
	25 NB CPVC- Water Pipe Line for Humidifier (Piping without Insulation)	RMT	10		-
	Condensate drain piping with 25 MM CPVC Water Pipe	RMT	10		-
					-
C	AIR CONDITIONERS				-
	Supply, Installation, Testing and commissioning of following high wall mounted split type room air conditioner				-
	1 Tone Wall Mount Split Acs for UPS Room	NO	2		-
	2 Tone Wall Mount Split Acs for CCC Room	NO	2		-
	BOTH 3 STAR AC				-
					-
D	ANCILLARY WORK				-
	INSTALLATION OF SPLIT AC	NO	4		-
	CU PIPING,INSULATION with pressure testing 2 TR	RMT	10		-
	CU PIPING,INSULATION with pressure testing 1 TR	RMT	10		-
	DRAIN PIPING hard U pvc	RMT	10		-
	cable between indoor to outdoor SPLIT	RMT	20		-
	MS STAND FOR OUT DOOR UNIT READY MADE TYPE	NO	4		-
	CORE CUTTING	NO	2		-
	TOTAL AMOUNT				0

AIR CONDITIONING WORKS OF AICTSL FIRST FLOOR OFFICE , INDORE

S.NO	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	POINT WIRING				
	Supply, Installation, Testing and commissioning of (Providing and fixing of all standard accessories) of light point, fan point, exhaust fan point, bell point, group control points, two way control points etc. using 1.6 MM FR grade MMS PVC conduit with all accessories like heavy duty junction boxes, conduit bends, MS 16 gauges pull boxes 100MM x 100 MM x 50MM or 150MM x200MM x 50MM deep, with MS covers etc.				0
A. 1	Supply, Installation, testing and commissioning of light point, with 1.5 sq. mm. copper wire (for phase, neutral earth wire) 1.1KV grade PVC insulated (including supply of all material like hardware , GI boxes , conduits , modular switches, accessories. Point Length 7 Mtr	Nos.	25		0
A. 1.1	Supply, Installation, testing and commissioning of 1 exhaust fan point , wall fan point with 1.5 sq. mm. copper wire (for phase, neutral earth wire) 1.1KV grade PVC insulated (including supply of all material like hardware , GI boxes , conduits , modular switches, accessories , Regulator . Point Length 7 Mtr	Nos.	2		0
A. 2	Supply, Installation, Testing and commissioning of light points in group control system including 1.5 sq. mm copper flexible 1.1 KV grade insulated wire (for phase, neutral earth wire), modular switch, switch board, conduit and material. Neutral & earthing can be looped on points for one light point. Point Length 7 Mtr				0
A. 2.1	2 Lights controlled by 6A switch.	Nos.	35		0
A. 3	Supply, Installation, Testing and commissioning of Bell/Buzzer point including 3*1.5 sq. mm copper 1.1 KV grade insulated, conduit, bell, buzzer and material. Including CPL buzzer board	Nos.	2		0
					0
B	CIRCUIT WIRING/MAINS WIRING				0
B. 1	Supply & Installation of 1.6mm thick MMS FR grade ISI conduit of approved make with accessories like heavy duty pull boxes with covers, GI saddles, bends, socket etc. in concealed/surface manner in wall, ceiling, floor etc. The work includes chiseling of wall i.e. ziri with mechanical cutter, saddling of conduits at maximum 400 mm distance etc.				0
B. 1.1	DIA 25mm conduit	Mtr	750		0
B. 2	Supply, Installation, Testing and commissioning of following size flexible copper wire 660 V/1.1 KV grade of approved make PVC insulated in existing conduits , pull boxes , hardware etc.				0

B.21	2*1.5 sqmm (P&N) + 1*1.0 sqmm (E)	Mtr	300		0
B.22	2*2.5 sqmm(P&N)+1*1.5 sqmm (E) (FOR Switchboards and power)	Mtr	1000		0
B.23	2*4 sq.mm(P&N)+1*2.5 sq.mm (E) (for AC)	Mtr	100		0
B.24	1*10 sq.mm FEXIBLE CABLE	Mtr	50		0
B.3	Supply, Installation, Testing and commissioning of 6A 5 pin switch and socket outlet on separate board (including supply of all material like MS box, switch, socket and hardware etc).The socket shall be suitable for international connectors and shall be approved from client before instllation.				0
B.3.2	3 no. 6A socket and 1 no. 16A switch on separate board(for computer power) .	Nos.	30		0
B.4	Supply, Installation, Testing and commissioning of 6A switch/socket outlet on switch board (including supply of all material like MS box, switch, socket and hardware etc).Including wiring between switch and socket.	Nos.	10		0
B.5	Supply, Installation, Testing and commissioning of 16A single phase switch and 16A 5 pin socket (including supply of all material like MS box, switch, socket and hardware etc). Including wiring between switch and socket.	Nos.	30		0
B.6	Supply, Installation, Testing and commissioning of 20A industrial socket, 20A pin top and 20A SP MCB with box and the box shall be concealed in wall. The box also shall be of respective make of MCB. Including wiring between switch and socket.	Nos.	2		0
B.7	8 Module Pop up Boxes for Conference Table complete with mounting arrangement	Nos.	1		0
B.8	4 Module Pop up Boxes for Conference Table complete with mounting arrangement	Nos.	1		0
C	CABLING WORK				0
C.1	Supply and laying of cables in excavated trenches, concrete trenches, along walls, through hume pipes, cable trays etc				0
C.1.1	4CX25 SQMM AL.AR XLPE CABLE	mtr	75		0
C.1.2	4CX10 SQMM AL.AR XLPE CABLE	mtr	30		0
C.1.2	4CX6 SQMM CU.AR XLPE CABLE	mtr	50		0
C.1.3	4CX4 SQMM CU.AR XLPE CABLE	mtr	50		0
C.3	Cable termination of armoured cables 1.1 KV grade including supply & installation of cable glands, cable lugs (copper or aluminium single compression type), heat shrinkable sleeves on long ends, crimping paste etc. (One set includes termination of all cores of one end only)				0
C.3.1	4CX25 SQMM AL.AR XLPE CABLE	Set	2		0
C.3.2	4CX10 SQMM AL.AR XLPE CABLE	Set	4		0
C.3.3	4CX6 SQMM CU.AR XLPE CABLE	Set	6		0

C.34	4CX4 SQMM CU.AR XLPE CABLE	Set	6		0
C.35	1*10 sq.mm FEXIBLE CABLE	Set	30		0
D	LIGHTING FIXTURES AND FANS				0
	Supply, Installation , Testing & Commissioning of following lighting fixture and fan. All fixtures should be complete with all accessories.				0
D.1	LED fitting 38W PHILIPS/WIPRO MAKE 2X2 complete with all accessories.	Nos	75		0
	MAKE WIPRO/PHILIPS/BAJAJ.				0
D.2	Down light fitting suitable for 15 Watt LED lamp complete with all accessories MAKE - WIPRO/PHILIPS/BAJAJ	Nos	30		0
D.3	Recess Mounted 2x6Watt LED Lamp Down lighter fitting complete with ballast & lamp etc./EQ	Nos	4		0
D.4	Recess Mounted 1x6Watt LED Lamp Down lighter fitting complete with ballast & lamp etc./EQ	Nos	4		0
D.5	LED Rope light 5Watt / meter with Driver/ controller	mtr.	25		0
D.6	Ceilling fan 1200 mm swip	No	2		0
D.7	Exhaust 250 mm with lower	No	2		0
E.1.1	LT PANELS AND DB				0
E.1.1	Supply , installation, testing commissioning of 6 Way VTPN Distribution Board With 63 A 4 Pole MCB as incomer and outgoing 25/16Amp TP -1 Nos and 6/10/16A SP MCB -12 Nos	No	3		0
E.1.2	MCB 63 AMPS FOR UPS IN/Out WITH ENCLOSER	No	2		0
F	TELEPHONE WIRING				0
F.1	Supply,Installation, Testing & commissioning of 0.5 mm size tinned copper conductor , 2 pair PVC insulated telephone wire of approve make in existing MS conduits.	Mtr	350		0
F.2	Supply,Installation, Testing & commissioning of Telephone outlet box with top plate	Nos.	12		0
F.3	Supply,Installation, Testing & commissioning of crone type tag block for termination of telephone cables/conduits in MS sheet steel enclosures as per drawing and specifications.				0
	Tag block 50pair.	Nos.	1		0
F.4	Supply,Installation, Testing & commissioning of 10 Pair 0.5 mm size copper tinned conductor armoured PVC cable	Mtr	50		0
G	COMPUTER CABLING				0
G.1	Supply , installation,testing and commissioning of enhanced CAT E6 LAN cable in preveiously laid conduits .Data cable installation shall be carried out by approved vendor & final certification shall be required.	Mtr	1000		0

G.2	Supply , installation,testing and commissioning of RJ 45 connector type computer socket outlet with RJ 45 connector of approved make .The sockets installation shall be carried out by approved vendor & final certification shall be required.	Nos	30		0
H	TV SYSTEM				0
H.1	Supply, installation, testing and commissioning of RG 6 Coaxial cable .	RM	75		0
H.2	Installation, Testing & commissioning of TVoutlet box with top plate	Nos.	2		0
I	RACE WAY				0
	Supply ,installation ,testing & commissioning of GI Raceway 2mm thick with 1.6MM cover and all accessories like perforated tee , 90 degree horizontal bend ,elbow , horizontal tee,				0
I.1	Supply, installation, testing and commissioning RACE WAY 300X50X2MM WITH 1.6 MMCOVER for Data cable	Mtr	15		0
I.2	Supply, installation, testing and commissioning RACE WAY 150X50X2MM WITH 1.6 MMCOVER for Data cable POWER	Mtr	35		0
					0
J	Earthing pit				0
J.1	CHEMICAL EARTH pit 80 MM X 2 MTR	Nos	2		0
J.2	CHEMICAL EARTH pit 80 MM X 3 MTR	Nos	2		0
k .1	supply and installtion of HDMI / VGA cable 25 mtr	nos	3		0
k .2	supply and installtion of HDMI / VGA cable 15mtr	nos	3		0
k .3	supply and installtion of HDMI / VGA cable 10 mtr	nos	3		0
K	42U Server Rack 800MM Width x 1000 MM Depth	nos	7		0
					0
	Total Amount				0

FIRE FIGHTING WORKS OF AICTSL FIRST FLOOR OFFICE . INDORE

S. No.	Item / Work Description	Unit	Quantity	Unit Rate	Total Amount
	FIRE SAFETY SYSTEM				0
	SMOKE DETECTORS	Nos.	15		0
	CO2 extinguisher	Nos.	5		0
	FIRE ALARM PANEL	Nos.	1		0
	HOOTER	Nos.	1		0
	SMOKE DETECTORS WIRING & INSTALLATION	Rn.Feet	1500		0
					0
	TOTAL AMOUNT				0