## BILL OF QUANTITIES FOR ELECTRICAL, LIGHTING & DATA NETWORKING WORKS AT STATE BANK OF INDIA, BILASPUR TOWN Branch at, Distt. BILASPUR ( H.P)

	at, Distt. BILASPUR ( H.P)  Item / Specifications	Qnty.	Units	Rate	Amount
3.110.	item y Specifications	Qiity.	Offics	nate	Amount
PART-I:	COMPUTER POINTS & DISTRIBUTION				
1.1	Supply all material, storing, handling, fixing and laying of 3X2.5 Sq. mm.	30	each		
	of PVC insulated PVC sheathed armoured cable of 1100 V (IS 1554, Part				
	1) and fixing of cable on wall with suitable size of clamps /saddles or				
	laid in floor/recess wall including cutting of wall /floor and making				
	good the damages etc for computer points in suitable size of box				
	fabricated with 16 G MS sheet including providing 3 nos 5 amps 3 pin				
	sockets controlled by 1 no 5 A modular type switch, indicator and				
	fuse mounted on 3 mm thick ISI marked hylam sheet and painting of				
	box etc complete as required Note; max. two computer points are to				
	be provided on one circuit.				
1.2	As per item 1 above but with 1 Nos. 15 A 5 pin socket controlled by 1	16	each		
	no 15 A switch and indicator.( ON RAW POWER)				
1.3	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1	3	each		
	no 15 A switch and indicator.( ON UPS POWER)				
1.4	Wiring for circuit/ submain wiring alongwith earth wire with the				
	following sizes of FRLS PVC insulated copper conductor, single core				
	cable in surface/ recessed medium class PVC conduit as required.				
a)	2 X 6 sq. mm + 1 X 2.5 sq. mm earth wire for UPS input & Out[ut supply	30	Mtr		
1.5	Wiring for light point/ Ceiling fan point/ exhaust fan point with 1.5				
	sq.mm FRLS PVC insulated copper conductor single core cable in				
	surface / recessed medium class PVC conduit, with modular switch,				
	modular plate, suitable GI box and earthing the point with 1.5 sq.mm				
	FRLS PVC insulated copper conductor single core cable etc. including				
	circuit wiring with 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire as				
	required.(Ht. upto 4.5mrts from floor)	25			
A	1 no. light controlled by 1 no. switch	25	no		
В	2 no. light controlled by 1 no. switch	35	no		
С	5/6 pin 6 amp plug point with 6 amp switch	10	no.		
D	Primary Wall fan point controlled by 5 AMP socket controlled by 5amp switch	10	no.		
E	1 no. 15Amp 5 Pin Socket controlled by 1 no. 15 Amp. Switch for	5	no		
-	Record /Cash/Gold Safe Room	,	no.		
	Record / Cash/ Gold Safe Noon				
1.6	Supply installation testing and commissioning of 3 pin 20/25 A 3 pin	9	each		
	metal clad industrial type plug and socket arrangement with plug top,				
	cap and chain controlled by 1 no 32 A SP MCB.( 1.5 TR Acs) Note:				
	Independent circuit for AC point is to be provided starting from				
	distribution system.				
1.7	Supply installation testing and commissioning of 3 pin 30A 3 pin metal	1	each		
	clad industrial type plug and socket arrangement with plug top, cap				
	and chain controlled by 1 no 32 A DP MCB.( For 2 TR Acs) Note;				
	Independent circuit for AC point is to be provided starting from				
	distribution system.				
1.8	Supply, installation testing and commissioning of factory fabricated				
	distribution board rust inhibited				
	powder coated sheet fabricated comprising of incoming and outgoing				
	isolator & MCBs neutral link or neutral bus, top and bottom				
	detachable entry earthing bolts interconnection and grouting bolts etc				
	complete as required as per details below				

a)	12-way SPN MCBDB Double Door in recessed wall including cutting of	1	no.	
	wall and making good the damages comprising 1 no 63 A DP Isolator			
	and 10 Nos. 6/10 A MCBS etc complete as required.			
a)	8-way SPN MCBDB Double Door in recessed wall including cutting of	1	no.	
	wall and making good the damages comprising 1 no 63 A DP Isolator			
	and 6 Nos. 6/10 A MCBS etc complete as required.			
b)	6-way SPN MCBDB Double Door in recessed wall including cutting of	1	no.	
	wall and making good the damages comprising 1 no 40 A DP Isolator			
	and 4 Nos. 6/10 A MCBS etc complete as required.			
c)	4 way SPDB comprising 1 no 63 A Four Pole TPNMCB (for UPS).	1	no.	
d)	4 way SPDB comprising of 2 nos 63A DP MCB (for UPS).	2	no.	
e)	4 Way TP MCBDB Double Door in recessed wall including cutting of	2	no.	
	wall and making good the damages comprising 1 no 100 A 4P Isolator			
	and 6 Nos. 32 A DPMCBS etc complete as required. (AC DB)			
f)	4 Way TP MCBDB Double Door in recessed wall including cutting of	2	no.	
	wall and making good the damages comprising 1 no 100 A 4P Isolator			
	and 12 Nos. 6-32 A SPMCBS etc complete as required.(LIGHT /POWER			
	Dbs)			
1.9	Supply installation testing and commissioning of following 3 pin metal			
	clad industrial type plug and socket arrangement with plug top, cap			
	and chain controlled by 1 No MCB			
(a)	20 Amps. with 20 Amp. SP MCB.	4	no.	
(b)	30 Amps. with 32 Amp. SP MCB.	3	no.	
	·			
1.10	Providing and fixing of suitable size MS box fabricated with 16 G MS	1	job	
	sheet either in recess wall or on surface to accommodate dedicated		,	
	earth from earth electrode and further distribution of earth to			
	computer points including providing of 5 mm bakelite on base			
	connector strip and painting of box etc as required.			
PART-II	connector strip and painting of box etc as required.			
	connector strip and painting of box etc as required.  TOTAL OF PART -I : PANELS & CABLES	1.00		
<u>PART-II</u> 2.1	connector strip and painting of box etc as required.  TOTAL OF PART -I : PANELS & CABLES  Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link	1.00	job	
	connector strip and painting of box etc as required.  TOTAL OF PART -I : PANELS & CABLES  Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm	1.00	job	
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2.3	Supply, Installation, testing & commissioning of PVC insulated PVC			
	sheathed armoured cable of 1100 V ( IS 1554 Part 1) and fixing of			
	cable on wall with suitable size of clamps /saddles or laid in			
	floor/recess wall including cutting of wall /floor and making good the			
	damages etc complete as required of following sizes (ISI marked)			
a)	3.5X35 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	40	mtr.	
b)	3.5x25 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	45	mtr.	
c)	4X10 sq. mm aluminum conductor with one no 8 SWG GI wire.	50	mtr.	
d)	3X6 sq. mm copper conductor armoured .	80	mtr.	
e)	3X2.5 sq. mm copper conductor armoured for ACS	20	mtr.	
2.4	End termination with brass compression glands including providing of			
	lugs/ferrules and making necessary connection etc complete as			
<u> </u>	required of the following sizes:	-		
a)	3.5X 35 sq. mm aluminum conductors	6	no.	
b)	3.5X25 sq. mm aluminum conductors	8	no.	
c)	4X10Sq.mm aluminum conductor	8	no.	
d)	3X6 sq. mm copper conductor	6	no.	1
e)	3X2.5 sq. mm copper conductor	18	no.	<del> </del>
2.5	Providing and fixing the following switch on suitable size of MS base			
2.5	1			
	and angle iron frame of suitable size and strength for installation on wall /floor including grouting of frame & painting etc. complete as			
	required .			
a)	1 no.4 pole 160 Amps capacity change over switch with adaptor box	1	no.	
		1	110.	
2.6	Providing and fixing 16 G MS sheet adopter box and also base frame			
	for installation of MCB DBs plug and socket arrangements and to cover			
	cables in system room including painting etc complete as required.			
1	Ifor LIDS input/output distribution	1	no	
	for UPS input/output distribution	1	no.	
		1	no.	
PART-III	for UPS input/output distribution  TOTAL OF PART -II  : EARTHING	1	no.	
	TOTAL OF PART -II	1	no.	
	TOTAL OF PART -II : EARTHING			
	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper			
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	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as			
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3.1 (a) (b)	TOTAL OF PART -II  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.	2	set set	
3.1 (a) (b)	TOTAL OF PART -II  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station	2	set	
3.1 (a) (b) 3.2 (a)	TOTAL OF PART -II  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.	2 3 6	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop	2	set set	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	1 2 3 6 20	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a)	TOTAL OF PART -II  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.	2 3 6	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.	1 2 3 6 20	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.  Supply and laying following dia 2 mm in thickness PVC pipe under	1 2 3 6 20	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.  Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for	1 2 3 6 20	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.  Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good	1 2 3 6 20	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.  Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required.	1 2 3 6 20 40	set  set  mtr.  mtr.  mtr.  mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.  Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good	1 2 3 6 20	set set mtr. mtr.	
3.1 (a) (b) 3.2 (a) (b) 3.3 (a) (b)	TOTAL OF PART -II  I: EARTHING  Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.  Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.  Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.  Supply fixing and termination of 32x6 mm G.I. strip with earth station below ground level etc as required.  Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.  Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.  Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing including bends Tees Etc. making good the damages etc. wherever required.	1 2 3 6 20 40	set  set  mtr.  mtr.  mtr.  mtr.	

DART IV	AC DEOVISIONING (CODDED DIDE WIDING ETC)				
	: AC PROVISIONING (COPPER PIPE, WIRING ETC)				
4.1	Supply, Installation, testing & commissioning of refrigeration pipe including cutting of wall & fixing with suitable saddles or clamps,				
	providing suitable sizes of sleeves for passing refrigerant pipe from				
	indoor to outdoor unit including making necessary arrangement etc.				
- 2/	complete as required.  Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4")	90			
a) b)	HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (1/2 & 1/4 )	14	mtr. mtr		
4.2	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size	90.00	mtr		
4.2	20mm dia complete with fittings, U traps etc. & as specified to the	90.00	11101		
	nearest toilet / drain point under floor or in recessed walls for AC				
	drains including cutting of walls, bends & Tees. making good the				
	damages etc. wherever required. (Make: Diplast/Supreme)				
4.3	Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS	20	mtr		
4.5	/ Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO	20	11101		
	/ Casselle AC, Make - FINOLEX / POLICAB / HAVELLS / PTEMEN / ECKO				
4.4	Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS	220	mtr	1	
4.4	AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO	220	1110		
	TOTAL OF PART - IV				
DART V	TELEPHONE COTY & CMOVE DETECTOR WIRING				
	: TELEPHONE , CCTV & SMOKE DETECTOR WIRING	1.4			
5.1	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed	14	no.		
	tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI				
	marked PVC conduit complete with accessories such as bends, junction				
	boxes etc. with suitable size of G.I. box modular plate and cover in				
	front on surface or in recess including providing and fixing modular				
	type telephone socket outlet and making necessary connections etc.				
F 2	complete as reqd.	1			
	Supply installation and testing of Tag Block 20 pair for telephone	1	no.		
	connections TOTAL OF PART - V				
	TOTAL OF PART - V				
DART VI	: NETWORKING				
	Wiring for computer net working starting from mounting rack with UTP	32	No		
0.1	Cat 6 cable in 2 mm thick 25 mm dia ISI marked PVC conduit pipe with	32	No		
	accessories such as bends, junction boxes including providing and fixing				
	I/O plates and SMB complete with all networking accessories etc				
	complete as required	1.00	1 - 1.		
6.2	Removal & Re-installation of existing Switch,Patch panel & Rack as per	1.00	Job.		
	approved layout	1.00			
6.3	supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
6.4	Supply and installation, testing and commissioning of mounted rack 15	1.00	no.		
	U height made of powder coated MS sheet				
6.5	Supply Fixing and commissioning of Patch cable cat 6 of complete				
	with 2 nos of connectors etc complete as required.( factory				
	manufactured)				
	(a) 1 meter long	32	No		
	(b) 2 meter long	20	No		
6.6	Supply and laying of CAT 6 cable in PVC conduit of suitable size with	30.00	mtr		
	connectors as required., complete in all respects.				
	TOTAL OF PART - VI				
PART-VI	II: SITC OF FANS & FIXTURES				

7.1	SITC of 2'-0" x2'-0" Celing grid 33-36 watt LED panel fixtures with	20	no.		
	essential driver in false ceiling including making necessary				
	arrangement for mounting the fixtures and connection with 2 x 1.5				
	sq.mm insulated copper cable from adjacent point in PVC flexible pipe				
	etc Complete as reqd. Make Philips cat. RC 380 B- LED-30-6500PSE OD				
	WH or equivalent of Wipro / Bajaj / Crompton. Note: No				
	additional payment will be made for providing frame for light fixing				
	in Gypsum ceiling.				
7.2	SITC of 15 watt recess mounted <b>LED down light</b> with assembly	50	no.		
	complete with including making necessary connections etc. Complete				
	as reqd. ( M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)				
7.3	SITC of 6 watt LED spot/COB light (WIPRO : Fokus /LD 07 - 600-040-57-	4	no.		
	WH/CH/RG ) with assembly complete with including making necessary				
	connections etc. Complete as reqd. ( M/s Crompton Cat No. Or				
	equivalent of Philips/ Bajaj) Note: No additional payment will be				
	made for providing frame/ hanging for light fixing in Gypsum				
	ceiling.Also, no extra proce will be paid for any change in light color				
	temprature or body color)				
7.4	Supply of 450 mm sweep metal body wall fan complete as reqd. Model	10	no.		
'''	turbo 180, USHA Make or equivalent of Crompton/Havells/Bajaj				
	(M/s Crompton Hi-Flo or equivalent of Khaitan / Bajaj				
7.5	SITC of Exhaust Fan 12inch dia, m etal body of CROMPTON / BAJAJ	4	no.		
'.5	/KHAITAN	7	110.		
7.0		25			
7.6	Supply Installation, testing & commissioning of 5W LED STRIP light	35	mtr		
	with driver and Accessories complete as required ( MS CROMPTON or				
	equivalent of WIPRO , PHILLIPS, BAJAJ etc.				
7.7	SITC of 18 /20 watt of T5 LED fixtures directly on ceiling / wall including	8	no.		
	making necessary connections with 2x1.5 sq.mm insulated copper				
	cable conductor wire etc. complete as reqd Make Phillips cat no. DN -				
	192 - 1000 or equivalent of Wipro / Bajaj.				
	TOTAL OF PART -VII				
PART-V	III : CREDIT OF OLD MATERIAL				
8.1	Existing old wiring including old tube lights, Switches, computer point	1	Lumpsum		
	Sockets, MCB DBs Cables and wires , Panels, Changeover (work also				
	includes removal from the premises).				
	No LED Light Fittings & fans are not part of Credit Item (all lights to be				
	re-used in Branch)				
<u> </u>	The work includes removing of complete old wiring as directed,				1
	ensuring there is no hindrance to branch working and removing the old				
-	stuff to contractors own dump.				
	No electrical/data/telephone point shall be removed prior to Branch				
	Head approval. NO CCTV/Smoke Detectoes/fire alarms to be removed				
NOTE	Dismentaling of existing connections, temporary re-arragements of				
NOTE:					
	UPS points / Data Points/Light Points/Tel Points for smooth working				
	of branch during renovation works will have to be done by the				
	executing agency.				
	SUMMARY				
	TOTAL OF DART LV((A)				
	TOTAL OF PART I-VI(A)			A	
	TOTAL OF PART - VIII (B)			В	
	TOTAL (A.B. C)			С	
	TOTAL (A+B- C)				