I     PART - A     Image: Control of the set of th		ESTIMATION : ELECTRICAL WORKS at CO-OPERATIVE SOCIETY STORE ,E BLOCK- GF								
A.     NY TANELS & DISTRIBUTION BOARDS     Image: Control of the control of t			UNIT	QTY	RATE	AMOUNT				
MCD IDSTRIBUTION BOARDS : ALL DOUBLE DOORS - ABB, 3CHNIDERS, NDO       Aslaw(OPTRO), NAPELLS, LEGRAND. ETC       Supply: installation, testing and commissioning of the following cubicle typs 12 mm thick CRCA sheet site in ancided powder coales with approved them coales deviated and partitions to surgate mounted final distribution boards of the following cubicle typs 12 mm thick CRCA sheet site in ancident of them and cubic training of the following cubicle typs 12 DB's concells have all hard include out of necessary available is farme work and other floring occurs.       2) DB's concells in wall hard include out of necessary available is higher available.     Immediate and the following occurs in the farme work using bolts A nuts and other floring occurs in the stall be fontoantial / vertical type as per configuration of fincaming/cutigoing feeders.     Immediate and the following cubic type as per configuration of incoming/cutigoing feeders.     Immediate and the following cubic type as per configuration of incoming/cutigoing feeders.     Immediate and the following cubic type as per configuration of incoming/cutigoing feeders.     Immediate and the following cubic type as per configuration of incoming/cutigoing feeders.     Immediate and the following cubic type as per configuration type as per configuration of the following type as per configuration type as per cubic type and type as per cubic type and type and type as per configuration type as per cubic type and type and type and type and type as per cubic type and type as per configuration type and type and type and type and type and type and type as per configuration type and type a										
stell enclosed powder collect with approved shade and partitions to signegate phase with approved covers. angle double don, fictory made reases double with suitable size frame work and nearly proved on to wall and DB and will shall be provided with suitable size frame work and nearly proved on to wall and DB and will shall include out of necessary citik works and other fixing accessories.       2) DB's conceld in well shall include out of necessary citik works and other fixing accessories.	А.	MCB DISTRIBUTION BOARDS : ALL DOUBLE DOORS - ABB,SCHNIDERS,INDO								
grouted on to wall and DB shall be fixed on to the finame work using bolts & nuls and other fixing accessories.     Image: State Sta		steel enclosed powder coated with approved shade and partitions to segregate phase with approved								
2) DPs conceal in well shall be indiced and a necessary civil works and other fixing accessories.   Image: Concent in the indiced and indiced andindiced andiced and indiced andiced andiced a		grouted on to wall and DB shall be fixed on to the frame work using bolts & nuts and other fixing								
in The DB's shall be factory made of approved make and necessary available higher size configured DB's         shall be used.           shall be used.        Stupply & Installation of TPN front operated 63 A. 10KA. 4P MCCB WTH overload and fixed short circuit         in factory fabricated, power cost painted metal enclosure comprehe along with stallatory acution board         termination upto 35 /50 summ.           Nos.      0        2.1     22 way SPN MCB DB           Nos.           Nos.           V        1 No.40A, 2P, RCBD (0-100mA)          Nos.           Set           1        1 No.40A, 2P, RCBD (0-100mA)            Set           Nos.           Nos.        2 PDBAC DB FOR store           Set           Nos.           Nos.           Nos.        1 No.50.A, 4P, MCB DB                1 No.50.A, 4P, MCBs (C curve)                1 No.50.A 4P, MCBs (G 100mA)		2) DB's conceald in wall shall include cut of necessary civil works and other fixing accessories.								
Supply & installation of TPN front operated 63.4, 10KA, 4P MCCB WTH overload and fixed short circuit in factory thetricated, power cost painted metal enclosure complete along with statutory caution boards.     Nos.     0     0       1.1     earthing and having wall mounting hinges etc. The box must have sufficient space for Aluminium cable termination upto 35.5/50 summ.     Image: Complete along with statutory caution boards.     Nos.     0     0       1.1     22 way SPN MCB DB     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     0     Image: Complete along with statutory caution boards.     Nos.     Image: Complete along with statutory caution boards.										
12.1   12 way SPM MCB DB   Incommer     1 No 40A, 2P, RCB0 (0-100mA)   Incommer     10 Magiong   Set   1     21.1   12 Way SERVACED (0-100mA)   Set   1     21.1   PDIA/CDB FOR store   Set   1     31.1   No.6 3A, AP, MCB+RCCB (0-100mA)   Set   1     01/2000png   Set   1   Set   1     32.1   12 CX AL2 caying of 1100V grade, XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, steel armoured cables. The cable shall be provided with cable identification tags made out of Aluminium strip, engraved with cable identification tags made out of Aluminium strip, engraved with cable identification tags made out of Aluminium strip, engraved with cable identification tags made out of Aluminium strip, engraved with cable identification tags made out of Aluminium strip, engraved with cable size and the routing. (Note : cost of cable tray, supports, excavations, stark cable size and the routing. (Note : cost of cable tray, supports, excavations, stark cable size and the routing. (Note : cost of cable tray, supports, excavations, stark cable size and the routing. (Note : cost of cable tray, supports, excavatia,	1.1	Supply & installation of TPN front operated 63 A, 10KA, 4P MCCB WITH overload and fixed short circuit in factory fabricated, powder coat painted metal enclosure complete along with statutory caution board, earthing and having wall mounting hinges etc. The box must have sufficient space for Aluminium cable	Nos.	0	0	0				
Incomer.     Inc. 40A, 2P, RCB0 (0-100mA)     Image: Comparison of the second o	2.1									
Outgoing:     Image: Sp. MCBs (C curve)     Set 1       10 Nos: of 16/25A. SP. MCBs (C curve)     Set 1     Image: Sp. MCBs (C curve)       2.2 PDB/AC DB FOR store     Image: Sp. MCBs (C curve)     Set 1       1 No. 63. A, 4P. MCB+RCCE (0-100mA)     Image: Sp. MCBs (C curve)     Set 1       2 Nos: of 61/016A, SP, MCBs (C curve)     Set 1     Image: Sp. MCBs (C curve)       3 Nos: of 61/016A, SP, MCBs (C curve)     Set 1     Image: Sp. MCBs (C curve)       10. Stupply & Laying of 1100V grade, XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, steel armound cushioning, brick protection and back filling measured separately).     Mtrs     Image: Sp. MCBs (C curve)       11.3 xt1/2 core 25 sq. mm     Mtrs     0     Image: Sp. MCBs (C curve)     Mtrs     0       13.4 CX 12 core 25 sq. mm     Mtrs     0     Image: Sp. MCBs (C curve)     Mtrs     0       20.5 End connection of above cable with heavy duty nickle plated brass compression gland crimping type socket insulation lage etc. with all concern.     nos 4     Image: Sp. MCB (C curve)     Image: Sp. MCB (C curve)       21.3 xt1/2 c x 25 SQ MM     nos 4     Image: Sp. MCB (C Curve)     Image: Sp. MCB (C Curve)     Image: Sp. MCB (C Curve)       22 f c X 15 SQ MM     nos 4     Image: Sp										
10 Nos. of 16/25A, SP. MCBs (C curve)   Set 1     2 PDB/AC DB FOR store   Image: Comparison of the store of the s										
2:2   PDB/AC DB FOR store			Set	1						
Incomer:RBD     Image: Comerchance in the image: Comerchance	2.2	PDB/AC DB FOR store	001							
1 No. 63 A, 4P, MCB+RCCB (0-100mA)   Image: Constraint of the image: Constrai										
Outgoing:     Image: Set 1       B Nos. of 6/10/16A, SP, MCBs (C curve)     Set 1       B. LT CABLES:     Image: Set 1       10. Supply & Laying of 1100V grade, XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, sate armoured cables. The cable shall be laid in exsting trench, cable fray / clamped on to the walls using necessary fining accessories. The cable shall be provided with cable identification tags made out of Aluminium stip, engraved with cable size and the routing. (Note : cost of cable fray, supports, excavation, sand cushioning, brick protection and back filling measured separately).     Mtrs     0       1.1 3X1/2 core 33 Sq.mm.     Mtr     50     1     3       1.2 3CX 1/2 core 25 sq.mm     Mtr     20     1     3     1     20       2.0 End connection of above cable with heavy duty nickle plated brass compression gland crimping type socket misulation tape etc. with all concern.     3x1/2 C X35 sq.mm     nos     4       2.4 c X 16 SQ MM     nos     3     0     1     1     1       10. Toistribution witring(concealed) including new point witring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible with is a so so divers in conduit as per code of practice with circuit wing with (2x2.5 + 1X1.5) sq.mm. couper wise from MCB DB to respective with back1 able with a leutral may be looped but from the last point earth & Neutral has to be connected with sw baard.(ii)Point wring should be inclusive of continuous wire lenging the block of light										
B   Nos. of 6/10/16A, SP, MCBs (C curve)   Set   1     B   LT CABLES:   Image: Constraint of the set of t										
1.0   Supply & Laying of 1100V grade XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, stele armoured cables. The cable shall be laid in existing trench, cable tray / clamped on to the walls using necessary fixing accessories. The cable shall be provided with cable identification tags made out of Aluminium sthp, engraved with cable size and the routing. (Note : cost of cable tray, supports, excavation, sand cushioning, brick protection and back filling measured separately).   Mtrs   0     1.1   3X1/2 core x58 sq.mm.   Mtrs   0   1     1.2   3CX 1/2 core 25 sq.mm   Mtrs   0   1     1.3   4CX16 sq.mm   Mtrs   0   1     3.4   CX16 sq.mm   Mtrs   0   1     3.4   CX16 SQ MM   nos   4   20     2.1   Str1/2 CX25 SQ MM   nos   3   1     1.0   "Distribution wiring(concealed) including new point wiring 60 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, Ms boxes, 6 Amps Modular Type switch with socked utlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.NE. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fitti			Set	1						
1.0   Supply & Laying of 1100V grade XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, stele armoured cables. The cable shall be laid in existing trench, cable tray / clamped on to the walls using necessary fixing accessories. The cable shall be provided with cable identification tags made out of Aluminium sthp, engraved with cable size and the routing. (Note : cost of cable tray, supports, excavation, sand cushioning, brick protection and back filling measured separately).   Mtrs   0     1.1   3X1/2 core x58 sq.mm.   Mtrs   0   1     1.2   3CX 1/2 core 25 sq.mm   Mtrs   0   1     1.3   4CX16 sq.mm   Mtrs   0   1     3.4   CX16 sq.mm   Mtrs   0   1     3.4   CX16 SQ MM   nos   4   20     2.1   Str1/2 CX25 SQ MM   nos   3   1     1.0   "Distribution wiring(concealed) including new point wiring 60 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, Ms boxes, 6 Amps Modular Type switch with socked utlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.NE. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fitti	R	LT CARLES:								
1.2   3CX 1/2 core 25 sq mm   Mtr   50     1.3   4CX16 sq mm   Mtrs   20     2.0   End connection of above cable with heavy duty nickle plated brass compression gland crimping type socket insulation tape etc. with all concern.   mos   0     3.1/2 C X35 sq mm   nos   0   nos   0     2.1   3x1/2 C X35 sq mm   nos   0   nos   4     2.2   4 c X 16 SQ MM   nos   3   0   0     2.1   3x1/2 C X35 sq mm   nos   3   0   0     2.2   4 c X 16 SQ MM   nos   3   0   0     1.0   T0istribution wiring(concealed) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, 6 Amps Modular Type switch with socket outles 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.(i)Point wiring should be inclusive of continuous wire length up to the connection block of light point(one switch controls one light)   Nos   12     b)   Light point(one switch control wo lights)   Nos   8   0   12     c) Exaust fan point   N		Supply & Laying of 1100V grade, XLPE/ PVC insulated, PVC sheathed, Aluminium / copper conductor, steel armoured cables. The cable shall be laid in exsiting trench, cable tray / clamped on to the walls using necessary fixing accessories. The cable shall be provided with cable identification tags made out of Aluminium strip, engraved with cable size and the routing. (Note : cost of cable tray, supports,								
1.3   4CX16 sq mm   Mtrs   20     1.3   4CX16 sq mm   Mtrs   20     2.0   End connection of above cable with heavy duty nickle plated brass compression gland crimping type	1.1									
1.3   End connection of above cable with heavy duty nickle plated brass compression gland crimping type   Image: Content of the connection of above cable with all concern.     3x1/2 C X35 sq mm   nos   0   Image: Content of above cable with all concern.     3x1/2 C X35 sq mm   nos   4   Image: Content of above cable with all concern.     3x1/2 C X35 sq mm   nos   4   Image: Content of above cable with all concern.     3x1/2 C X25 SQ MM   nos   4   Image: Content of above cable with all concern.     C   POINT-WIRING SYSTEM   Image: Concern of above cable with and content of above cable with a concent of above cable with a concent of above cable with a concent of above cable cable between the control of above cable cable with a concent with socket outlets 6 pin, all individual control south the concent of box of practice with circuit wing with (2x25 + 1X1.5) sq.mm. copper wire from MCB DE to respective we board. (I)Point wiring should be inclusive of continuous wire length up to the connected with so board.(II)Point wiring should be inclusive of continuous wire length up to the connected with sole abore.   Image: Content of the connection block of light filtings/fans.     a)   Light point(one switch control two lights)   Nos   1   Image: Content of the connection block of light filtings/fans.   Nos.   1     b)   Light point(one switch control two lights)   Nos   4   Image: Contretable cable   Nos.   1	1.2	·								
socket insulation tape etc. with all concern.   nos   0     3x1/2 C X35 sq mm   nos   0     13x1/2 C X35 Sq mm   nos   4     22   4 c X 16 SQ MM   nos   3     C.   POINT-WIRING SYSTEM   nos   3     10   "Distribution wining(concealed) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connected with sw board. Nos   12     b)   Light point(one switch controls one light)   Nos   8     c)   Exaust fan point   Nos   4     g)   Board plug point S pin 5 Amps with switch.   Nos   4     i   Supply & fixing 3 ex2.5 sq.mm. PVC insulated multistrand flexible cable   Mtr.   6     D   Light point(one switch control swole dave for AC   No   3   1		•		20						
2.1   3x1/2 c X 25 SQ MM   nos   4     2.2   4 c X 16 SQ MM   nos   3     C   POINT-WIRING SYSTEM   nos   3     0.0   "Distribution wiring(concealed) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans.   Nos   12     a)   Light point(one switch control so ne light)   Nos   8   2     b)   Exaust fan point   Nos.   1   2     c)   Exaust fan point With REGULATORS   Nos.   4   2     g)   Board plug point 5 pin 5 Amps with switch.   Nos.   4   2     j   Supply & fixing 3 cx2.5 sq.mm. PVC insulated multistrand flexible cable   Mtr.   6     D   Light point(one switch control xis mains using flexible, copper conductor, FRLSHF wires of 11000 yrade, PVC insulated wires drawn in 2mm thick suitable size FR PVC conduit. Th	2.0	socket insulation tape etc. with all concern.		0						
2.2   4 c X 16 SQ MM   nos   3     C   POINT -WIRING SYSTEM   nos   3     1.0   "Distribution wining(concealed) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans.   Nos   12     a)   Light point(one switch controls one light)   Nos   8   2     b)   Light point(one switch control wo lights)   Nos   4   2     g)   Board plug point 5 pin 5 Amps with switch.   Nos.   4   2     g)   Board plug point 5 pin 5 Amps with switch.   No.   0   2     j   Supply & fixing 3 Pin 16 amp plus to with indicator   No.   0   2     j   Supply & fixing 3 Power WIRING PCWER WIRING PCS with with swites starting frexible cable   Mtr.   6     D   Light point(ner Sute danuns/POWER WIRING UFS WIRINGS ETC :   No.	2.1									
1.0   "Distribution wiring(concealed) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans.     a)   Light point(one switch controls one light)   Nos   12     b)   Light point(one switch control two lights)   Nos   8     c)   Exaust fan point   Nos   4   10     d)   Ceiling Fan point with REGULATORS   Nos   4   10     g)   Board plug point 5 pin 5 Amps with switch.   Nos   4   10     j)   Supply & fixing 3 Pin 16 amp socket for AC   no   3   1     b)   Light Wirking / SUB MAINS/POWER WIRING UPS WIRINGS ETC :   10   1   10     UIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :   10   1   10   10     d)   3 x 1.5 sqmm Copper wires in 20 mm dia PVC conduit   Rmtr.   10   <			nos	3						
light fittings/fans.Nos12a)Light point(one switch controls one light)Nos12b)Light point(one switch control two lights)Nos8c)Exaust fan pointNos1d)Ceiling Fan point with REGULATORSNos4g)Board plug point 5 pin 5 Amps with switch.Nos.4iSupply & fixing 16 amp plug top with indicatorNo.0jSupply & fixing 3 Pin 16 amp socket for ACno3kSupply & fixing 3 cx2.5 sq.mm. PVC insulated multistrand flexible cableMtr.6DLIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :Image: Consulated wires drawn in 2mm thick suitable size FR PVC conduit. The rate shall also include running of PVC insulated wires drawn in 2mm thick suitable size FR PVC conduit. The rate shall also include running of PVC insulated outper conductor as earth wire. All circuits starting from the respected db should have ferrulling arrangements.10d13 x 1.5 sqmm Copper wires in 20 mm dia PVC conduit.Rmtr.10d22 x 2.5 +1x1.5 sqmm Copper wires in 20 mm dia PVC conduit.Rmtr.100d32 x 4.0 +1X2.5sqmm Copper wires in 32 mm dia PVC conduit.Rmtr.15d42 x 6.0 +1X4sqmm Copper wires in 25 mm dia PVC conduit.Rmtr.5E.POWER RECEPTACLESImage: Conduit.Rmtr.5		"Distribution wiring(concealed) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective sw board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with sw board.(ii)Point wiring should be inclusive of								
b)   Light point(one switch control two lights)   Nos   8     c)   Exaust fan point   Nos.   1     d)   Ceiling Fan point with REGULATORS   Nos   4     g)   Board plug point 5 pin 5 Amps with switch.   Nos.   4     i   Supply & fixing 16 amp plug top with indicator   No.   0     j   Supply & fixing 3 Pin 16 amp socket for AC   no   3     k   Supply & fixing 3 cx2.5 sq.mm. PVC insulated multistrand flexible cable   Mtr.   6     D   LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :   No   0     Supply & Drawing power wiring circuit /sub mains using flexible, copper conductor, FRLSHF wires of 1100V grade, PVC insulated wires drawn in 2mm thick suitable size FR PVC conduit. The rate shall also include running of PVC insulated copper conductor as earth wire. All circuits starting from the respected db should have ferrulling arrangements.   10     d1   3 x 1.5 sqmm Copper wires in 20 mm dia PVC conduit.   Rmtr.   10     d2   2 x 2.5 +1x1.5 sqmm Copper wires in 20 mm dia PVC conduit.   Rmtr.   60     d4   2 x 6.0 +1X4sqmm Copper wires in 32 mm dia PVC conduit.   Rmtr.   15     d5   4x4 sqmm +1x4 sq mm Copper wires in 25 mm dia PVC conduit.   Rmtr.   5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
c)Exaust fan pointNos.1d)Ceiling Fan point with REGULATORSNos4g)Board plug point 5 pin 5 Amps with switch.Nos.4iSupply & fixing 16 amp plug top with indicatorNo.0jSupply & fixing 3 Pin 16 amp socket for ACno3kSupply & fixing 3 Cx2.5 sq.mm. PVC insulated multistrand flexible cableMtr.6DLIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :Image: Comparison of the compa	a)	Light point(one switch controls one light)								
d)Ceiling Fan point with REGULATORSNos4g)Board plug point 5 pin 5 Amps with switch.Nos.4iSupply & fixing 16 amp plug top with indicatorNo.0jSupply & fixing 3 Pin 16 amp socket for ACno3kSupply & fixing 3 cx2.5 sq.mm. PVC insulated multistrand flexible cableMtr.6DLIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :Image: Comparison of the c				-						
g)   Board plug point 5 pin 5 Amps with switch.   Nos.   4     i   Supply & fixing 16 amp plug top with indicator   No.   0     j   Supply & fixing 3 Pin 16 amp socket for AC   no   3     k   Supply & fixing 3 cx2.5 sq.mm. PVC insulated multistrand flexible cable   Mtr.   6     D   LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :   Image: Comparison of the comparison o										
i   Supply & fixing 16 amp plug top with indicator   No.   0     j   Supply & fixing 3 Pin 16 amp socket for AC   no   3     k   Supply & fixing 3 Cx2.5 sq.mm. PVC insulated multistrand flexible cable   Mtr.   6     D   LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :   Image: Comparison of the state o										
jSupply & fixing 3 Pin 16 amp socket for ACno3akSupply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cableMtr.6aDLIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :aaSupply & Drawing power wiring circuit /sub mains using flexible, copper conductor, FRLSHF wires of 1100V grade, PVC insulated wires drawn in 2mm thick suitable size FR PVC conduit. The rate shall also include running of PVC insulated copper conductor as earth wire. All circuits starting from the respected db should have ferrulling arrangements.10ad13 x 1.5 sqmm Copper wires in 20 mm dia PVC conduitRmtr.10ad22 x 2.5 +1x1.5 sqmm Copper wires in 20 mm dia PVC conduit.Rmtr.100ad32 x 4.0 +1X2.5sqmm Copper wires in 32 mm dia PVC conduit.Rmtr.15ad42 x 6.0 +1X4sqmm Copper wires in 25 mm dia PVC conduit.Rmtr.5ad54x4 sqmm +1x4 sq mm Copper wires in 25 mm dia PVC conduit.Rmtr.5a										
k   Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable   Mtr.   6     D   LIGHTING WIRING / SUB MAINS/POWER WIRING UPS WIRINGS ETC :   Image: Comparison of the comparison o	j	Supply & fixing 3 Pin 16 amp socket for AC		3		1				
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d2   2 x 2.5 +1x1.5 sqmm Copper wires in 20 mm dia PVC conduit   Rmtr.   100     d3   2x 4.0 +1X2.5sqmm Copper wires in 20 mm dia PVC conduit.   Rmtr.   60     d4   2 x 6.0 +1X4sqmm Copper wires in 32 mm dia PVC conduit.   Rmtr.   15     d5   4x4 sqmm +1x4 sq mm Copper wires in 25 mm dia PVC conduit.   Rmtr.   5     E.   POWER RECEPTACLES   E   E		include running of PVC insulated copper conductor as earth wire. All circuits starting from the respected								
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d5 4x4 sqmm +1x4 sq mm Copper wires in 25 mm dia PVC conduit. Rmtr. 5   E. POWER RECEPTACLES	d3		Rmtr.	60						
E. POWER RECEPTACLES										
			Rmtr.	5						
	E.	DOMESTIC TYPE:								

	Supply & fixing of 3/5 pin, commerical combination type socket outlet with indicator mounted on a outlet			
	box with necessary interconnection. The box shall be flush mounted in brick/stone wall. The switches			
	shall be of type Anchor roma make / equivalent. The rate shall also include cost of civil works involved in fixing of boxes, replastering of walls chased. All the switch / sockets shall have stickers for identification			
1				
1	RAW/UPS- POWER SOCKET "Supply & installation of MS Flush Metal box with front plate enclosing the following duly interconnected			
a)	(a) 2 Nos 16 amp switch & 2 Nos 6 amps and 1 no. 6/16 amps socket outlet with indicatorb) 1 No.			
	mounting box c) 1 No. front plate "	sets	3	
c)	Distribution wiring including new point wiring 660 volt grade 2x1.5+1x1.5 sq.mm. (copper ) PVC insulated			
	flexible wire in 20 mm dia Rigid PVC (ISI Marked) conduit along with Conduit accessories circular boxes,	set	3	
	MS boxes, 1x 6 Amps + 1x6Amps modular type switch and socket			
d)	"Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected			
	make:( Crabtree /Legrand/ Philips)a) 1 Nos 16 amp switch & 1 Nos 6/16 amps socket outlet with indicator	set	2	
h)	b) 1 No. mounting box c) 1 No. front plate" 2 Nos. 6/16A socket outlet controlled by 1 Nos. 16A tiny Trip MCB with indicators without wirings	Nos.	3	
<u>h)</u> F	SUPPLY AND INSTALLATION OF LIGHT & FAN FIXTURES	NUS.	3	
	Supply, installation, testing and commissioning of following type light and fan fixtures with all necessary			
	fixing accessories as required. The efficacy of the LED lamp shall be not less than 100lm/Watt			
1.1	1 x 20W, 5700K, 4 Feet LED tube, Surface/suspension light fixture with extruded Aluminium channel 4	Nos.	22	
	feet with high transulent serrated milky white diffuser, robust and high performance batten. LED luminaire			
	shall comprise of extruded channel in thermally conductive material. High translucent serrated milky white			
	diffuser to get glare free and smooth light distribution. Efficacy : 100			
	lumen/watt similar to Crompton make cat no.LDL-20-CDL or equivalent matching specifications as per			
1.2	1x 36W,5700K, 4 Feet LED tube, Surface/suspension light fixture with extruded Aluminium channel 4 feet with high transvent and million white diffuse reduct and high performance better.	Nos.	7	
	feet with high transulent serrated milky white diffuser, robust and high performance batten. LED luminaire			
	shall comprise of extruded channel in thermally conductive material. High translucent serrated milky white diffuser to get glare free and smooth light distribution. Efficacy : 100			
	lumen/watt similar to Crompton make cat no.LDL-36-CDL or equivalent matching specifications as per			
1.3	Supply and fixing of BLDC ceiling fan without fan regulator with remotes and shall be of	Nos.	4	
-	crompton/Havells or equivalent.( prior sample/ model approvals are required)Crompton make or			
	equivalent Energion Nstar - 5 Star BEE, 1200mm sweep , Opal White , Model No-ENERGOS-26w/28w	1		
	• BEE 5 STAR Rated fan(MAX 26-28w), 70% Savings on electricity costs) with Smart Remote Avg Power	P -		
	Inputs(28Watts), Air Delivery(min 220CFM)			
1.5	Supply and fixing of 200-225mm dia. single phase. MEDIUM DUTY exhaust fan with necessary angle iron bracket, double ball bearing wall mounted fan (metal body) Model BAHAR-225 of Bajaj or	Nos.	1	
	equivalants			
Н	Extension to EARTHING SYSTEM			
1.0	Supply, installation & connecting of G.I.tape /wire being clamped to walls, cable trays, ladders, run in			
	pipes with Sleeves etc , laid underground etc., as required including interconnection between the earth			
	stations etc.,all complete as required. (Note : The excavation and back filling is measured separately) .			
a)	2x8 swg. Cu. wire	М	10	
J.	TELEPHONE SYSTEM			
1.0	Supply and laying of 2mm thick FR PVC conduit with all necessary accessories like junction boxes, pull boxes. G.I fish wires and other fixing accessories as required. The rate shall also include chasing of walls, floor and plastering			
	of the chased portion etc; all complete as required.			
a)	20mm dia	М	20	
2.0	Supply and wiring for telephone outlet with 0.51mm dia, copper conductor, PVC insulated, unarmoured, telephone			
	cable in existing conduit.			
2.1	2 pair	М	40	
	MISCELLANEOUS WORKS:			
1.0	Dismanteling of old wirings for Raw Power/Lighting ckts, Socket points etc as to me removed from	job	1	
	concealed , placed within PVC pipes, also safely removals of all existing ckts, Modular concealed existing 2x15 Amps Raw Power points, 2x 5 +1x15 Amps switch/sockets,old lights fixtures etc, 3 Fans, old			
	MCB's, Jn Boxes, 1x15 Amps+2x5 Amps+2x15 Amps Switch/sockets,old lights fixtures etc., 5 Paris,, old			
	kept safe for next reinstallations at req places )			
2.0	Re-installation of all switch/Socket with Base frames -Metal only (removed from above site as per	set	4	
2.0	requirements /advised by Engg incharge, in existing Metal Base frame) to be reused for Computer/Raw	301	-	
	power requirements.(1x15 Amps +2zx5 amps) sockets + 2x16 Amps switches as 1 set			
	TOTAL:-(A+B+C+D+E+F+G+H+I+J+K)			