FINTURES: Installation. Testing & Commissioning of the following Lighting Luminaries with Increasing interpretation of the following Lighting Luminaries with Increasing interpretation of the following Lighting Luminaries with Increasing interpretation of the commission of the following Lighting with Increasing interpretation of the commission of the commissi		BOQ FOR ELECTRICAL AND LAN WORKS AT WARANG	AL MAIN	BRANCH & ATI	И	
Textures: Installation, Testing & Commissioning of the following Lighting Luminaries with necessary firing accessories. (Philips / Leville & Compton Genevols Vigro Make.) 12	S.no	ELECTRICAL WORKS Item description	Qtv	Rate	PER	Amount
necessary fibring accessories. Networks Crompton GreavewWypro Make.) 1 20W. Tel 1200mn LED tube. 1 20W. Tel 1200mn LED tube. 1 20 mo 1 20W. Tel 1200mn LED tube. 1 20 mo 2 mo 2 mo 1 20 mo 2 mo 3 mo 3 mo 4 So mm sweep Wall mounted fare with metallic SS body & blade 2 mo 2 mo 3 mo 4 So mm sweep Wall mounted fare with metallic SS body & blade 2 mo 4 So mm sweep Wall mounted fare with metallic SS body & blade 2 mo 4 So mm sweep Wall mounted fare with metallic SS body & blade 2 mo 4 So mm sweep Wall mounted fare with metallic SS body & blade 2 mo 4 So mm sweep Wall mounted fare with metallic SS body & blade 2 mo 4 Monardiffwestles make 4 So mm sweep Edentificat CS (CS) Amonardiff walls make 4 So mm sweep Wall mounted fare with metallic tellulon 5 Monardiffwestles make 5 Monardiffwestles make 6 Light dudy ordinary 225mm sweep Echasus fan for LPS Room (12") - CG/ 1 mo 7 mo						
a 1 x 20W-T 81 200mm LED tube. (Philips - RC3758 LED28-8-6500 Model or equivalent) (Philips - RC3758 LED28-8-6500 Model or equivalent) LED mind town light filtings (1) yol or ound type. (Philips - RC3758 LED28-8-6500 Model or equivalent) LED mind town light filtings (1) yol or ound type. (Philips - RC3758 LED28-8-6500 Model or equivalent) LED mind town light filtings (1) yol or ound type. (200 min sweep Celting fan CG/ Ahnorand make (200 min sweep Celting fan CG/ Ahnorand fan Celting fan Celtin		necessary fixing accessories. (Philips/				
Comparison	а		12		no	
G. D.N136B LED 105840 PSU II Wi-H or equivalent) d. LED mire down light fittings (RV) of county type. 18 no. 1200 mm sweep Celing fam. CGI Almonard make 450 mm sweep Celing fam. CGI Almonard make 450 mm sweep Celing fam. CGI Almonard make 5 CGI Almonard-Havelis make Light duty ordinary 256mm sweep Exhaust fan for Tollets (9') - CGI 6 Individual make Light duty ordinary 256mm sweep Exhaust fan for Tollets (9') - CGI 7 Inno 8 Mantonard-Havelis make 1 Heavy duty 30mm sweep swhaust fan for UPS Room (12') - CGI 8 Man DB: (Logrand/Schneider/L&T Make) Supply & Shiring of surface/fall-Make) 1 Nath DB: (Logrand/Schneider/L&T Make) 1 Supply & Shiring of surface/fall-Make) 1 Nath DB: (Logrand/Schneider/L&T Make) 1 Light TIME DB: (Logrand/Schneider/L&T Make) 1 Nath DB: (Logrand/Schneider/L&T Make) 2 Nath DB: (Logrand/Schneider/L&T Make) 3 Nath DB: (Logrand/Schneider/L&T Make)		LED light fittings (36 W) of 2 x 2 Square LED Recessed Panel Light type.				
et 1200 mm sweep Celing fam. CG/ Almonard make 8 no no 1 d 500 mm sweep Celing fam. CG/ Almonard/Havells make 1.0 mm or controlled fam. with metallic SS body & blade - 20 no no 1 d 500 fam. See 1.0 mm or controlled f	С		16		no	
450 mm sweep Wall mounted fans with metallic SS body & blade - CG/ Almonard/Havells make						
Cold Almonard/Havells make 20 00	е		8		no	
9 Almonard-Havelle make Heavy duty 300mm sweep exhaust fan for UPS Room (12") - CG/	f	,	20		no	
Amonard/Havels make 2 MAND BZ: (Legrand/Schneider/L&T Make) Supply & fixing of surface/flush mount, CRCA sheet steel metal distribution board with vertical bus ber for TPN 6 way supply distribution with 125A FP MCCB -1 no as incomer & outgoing consisting of 4 nos of 63A TP MCBs for total distribution system with bus-bar rating of 152A with short time withstand rating of 10kA for 1 sec with 0.500V voltmeter with selector switch and R. V. B Phase indicating lamps, Provide labelling in DB) 3 LIGHTING DB; (Legrand/Schneider/L&T Make) Supply & fixing of 4ws/ TPN MCB distribution board with metallic door having in 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A 5 SPACBS for lighting distribution system (Provide labelling in DB) NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM either AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power CUT Off System" is provided in the Door OR from the FEEDER BCN (that dustised the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM of POWER CUT OFF Should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. UPS DB: Legrand/Schneider/L&T Make) UPS DB: Legrand/Schneider/L&T Make) Supply & fixing of 60 Annys DP MCB with metal enclosure for the UPS O/P. 1 DPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 60 Annys DP MCB with metal enclosure for INVERTER incoming and outgoing with 15 Annys occur and the strong from wind of 10 Annys DP MCB with fixed enclosure for Inverted to the order of the Annys	g		2		no	
Supply & fixing of surface/flush mount, CRCA sheet steel metal distribution board with vertical bus bit for TPN 6 way supply distribution with 125A FP MCCB - Ino as incomer & outgoing consisting of 4 nos of 63A TP MCBs for total distribution system with 0-500V voltmeter with selector switch and R, V. B Phase indicating lamps, Crevide babeling in DB) 3. LIGHTING DB: (Legrand/Schneider/LST Make) Supply & fixing of 4way TPN MCB distribution board with metallic door having fine 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A 1 NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM sither ALTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER ROX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room is out off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 1. UPS DB: (Legrand/Schneider/LST Make) Supply & fixing of 4 way TPN MCB distribution board with metallic door having disAF PMCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBs(2 UPS & 1stabilizer UP) (Provide labeling in DB) Supply & fixing of 4 way TPN MCB distribution board with metallic door having disAF PMCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBs(2 UPS & 1stabilizer UP) (Provide labeling in DB) Supply & fixing of 4 way TPN MCB distribution board with metallic door having a 63A FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBs (fore or 610A SP MCBs for the UPS distribution system. (Provide labeling in DB) 6. NUKERTER DB: (Legrand/Schneider/LST Make) Supply & fixing of 40 way TPN MCB with metall enclosure for the UPS O/P. 1 no DB SUPP & Grang Arms DP MCB with metall enclosure for the VES O/P. 1 no by DB CB and DB SUPP & Ou		Almonard/Havells make	1		no	
board with vertical bus bar for TPN 6 way supply distribution with 126A FP MCOB -1 no as incorner & outgoing consisting of 4 nos of 83A TP MCBs for total distribution system with 8us-bar rating of 125A with short time withstand rating of 10kA for 1 sec with 0-500V colmere with selector switch and R, Y. B Phase indicating lamps, (Provide labeling in DB) 3 LightTND BDE: (Lagrand/Schneider/LR TAMake) 3 LughtTND BDE: (Lagrand/Schneider/LR TAMake) 3 LughtTND BDE: (Lagrand/Schneider/LR TAMake) 3 LightTND BDE: (Lagrand/Schneider/LR TAMake) 4 LightTND BDE: (Lagrand/Schneider/LR TAMake) 5 LightTND BDE: (Lagrand/Schneider/LR TAMake) 6 LightTND BDE: (Lagrand/Schneider/LR TAMake) 5 LightTND BDE: (Lagrand/Schneider/LR TAMake) 6 LightTND BDE: (Lagrand/Schneider/LR TAMake) 6 LightTND BDE: (Lagrand/Schneider/LR TAMake) 5 LightTND BDE: (Lagrand/Schneider/LR TAMake) 6 LightTND BDE: (Lagrand/Schneider/LR TAMake) 7 LightTND BDE: (Lagrand/Schneider/LR TAMake) 7 LightTND BDE: (Lagrand/Schneider/LR TAMake) 8 LightTND BDE: (Lagrand/Schneider/LR TAMake) 8 LightTND BDE: (Lagrand/Schneider/LR TAMake) 9 LightTND BDE: (Lagrand/Schneider/LR TAMake) 1 LightTND: (Lagrand/Schneider/LR TAMake) 1 LightTND: (Lagrand/Schneider/LR TAMake) 1 Ligh	2					
MCCB -1 no as incomer & outgoing consisting of 4 nos of 63A TP MCBs for total distribution system with Bus-bar rating of 125A with short time withstand rating of 10kA for 1 see with 0 - 500V voltmeter with selector switch and R, Y, B Phase indicating lamps, (Provide labeling in DB) 3. LIGHTING DB: (Legrand/Schneider/L&T Make) Supply & fixing of 4 way TPM MCB distribution board with metallic door having no 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A SPMOBs for lighting distribution system. (Provide labeling in DB) NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM either AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of 74xto Power Cut Off System' is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Bendered Poor from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 1. UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 4 way TPN MCB distribution board with metallic door having 6 63A FP MCB as income & outgoing outsiding of 3 Nos of 40 Amps DP 1 NOES 2 UPS & Stabilizer IPP, (Provide labeling in DB) 5. UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 way SPM distribution board with metallic door having 6 63A FP MCB as income & outgoing consisting of 3 Nos of 40 Amps DP 1 NOES SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 way SPM distribution board with metallic door having 6 nos of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) 6. NUER SUB DB: (Legrand/Schneider/L&T Make) Supply		,,,,				
total distribution system with Bus-bar rating of 125A with short time withstand rating of 101A for 1 see with 0-500V voltneter with selector switch and R, Y, B Phase indicating lamps. (Provide labeling in DB) Supply & fixing of 4way TPN MCB distribution board with metallic door having in o63A FP MCB as incomer & outgoing consisting of 12nos of 101/6A SPMCBs for lighting distribution system. (Provide labeling in DB) NOTE: The Electrical Wining inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM either AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the SR. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. USO DB: (Legrand/Schmeider/LRT Make) Supply & fixing of 12 way SPN distribution board with metallic door having a SAR FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP MCBs (2UPS & 4stabilizer IPP) (Provide labeling in DB) b Supply & fixing of 40 Amps DP MCB with metal enclosure for the UPS OIP. 1 UPS SUB DB: (Legrand/Schneider/LRT Make) Supply & fixing of 40 Amps DP MCB with metal enclosure for INVERTER incoming and outgoing with 15 Amps socket (Anchor/Schneider/LRT Make) Supply & fixing of 50 Amps DP MCB with metal enclosure for INVERTER incoming and outgoing with 15 Amps socket (Anchor/Schneider/LRT Make) Supply & fixing of 20 Amps DP MCB with metal enclosure for INVERTER incoming and outgoing with 15 Amps socket (Anchor/Schneider/Ber Make) On Order of the provision of the sup			4		200	
B Phase indicating lamps. (Provide labeling in DB) 3 LUGHTMD BP: (Legrand/Schneider/L&T Make) Supply & fixing of 4way TPN MCB distribution board with metallic door having 1no 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A 1 SPMCBs for lighting distribution system. (Provide labeling in DB) NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUT and POWER CUT OFF SYSTEM either AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) JUPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 40 Amps DP MCB with metallic door having a 63A FP MCB as income & outgoing consisting of 3 Nos of 40 Amps DP MCBs (2 UPS & 1stabilizer IVP) (Provide labeling in DB) Supply & fixing of 12 way SPN distribution board with metallic door having 10 Apply & fixing of 40 Amps DP MCB with metal enclosure for the UPS OIP. 1 DPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 40 Amps DP MCB with metal enclosure for the UPS OIP. 1 DPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 Amps DP MCB with metallic door having 1 no no (Provide labeling in DB) 5 NORD & fixing of 60 Amps DP MCB with metallic door having 1 no no (Provide labeling in DB) 6 NORTETER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 Amps DP MCB with metal enclosure for INVERTER incoming and outgoing with 1 to Amps socked (Anchor/Schneider Make). Supply & fixing of		, ,	'		110	
SUPPLY & Rixing of 4way TPM MCB distribution board with metallic door having fine 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A 1		•				
Supply & fixing of 4way TPN MCB distribution board with metallic door having 1no 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A SPMCBs for lighting distribution system. (Provide labeling in DB) NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM direct AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER ROX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 4way TPN MCB distribution board with metallic door having a GSA FP MCB as income & outgoing consisting of 3 Nos of 40 Amps DP MCBs(2 UPS & Istabilizer UP) (Provide labeling in DB) Supply & fixing of 40 Amps DP MCB with metall enclosure for the UPS OIP. 1 UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having fine 40A DP MCB, floors of 6/10A SP MCBs for the UPS distribution system. (Provide labeling in DB) 6 INVERTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 6 way SPN distribution board with metallic door having 8 nos of 6/10A SP MCSs for the Inverted ristribution system. (Provide labeling in DB) 6 INVERTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 6 way SPN DB with metall enclosure for INVERTER 1 no no amount of the inverted ristribution system. (Provide labeling in DB) 6 (Only for necessary light and fan loads)(Separate POWER CUT OFF SYSTEM 1 no no amps SP MCB	3					
SPMCBs for lighting distribution system. (Provide labeling in DB) NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM direct AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (flus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 400 Amps DP MCB with metal enclosure for the UPS O/P. 4. UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 140 Amps DP MCB with metal enclosure for the UPS O/P. 5. UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having a Supply & fixing of 12 Amps DP MCB with metal enclosure for INVERTER BB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having the Amps DP MCB with metal enclosure for INVERTER BB: (Legrand/Schneider/L&T Make) 6. INVENTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 Amps DP MCB with metal enclosure for INVERTER a look of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) 6. INVENTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 Amps DP MCB with metal enclosure for INVERTER a look of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) 6. INVENTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 20 SPN distribution board with metallic door having 8 nos of 6/10A SP MCBs for the In						
NOTE: The Electrical Wiring inside the Strong Room should be in a CONDUIT and POWER CUT OFF SYSTEM either AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position. 4. UPS DB: (Legrand/Schneider/L&T Make) 3. Supply & fixing of 4way PTN MCB distribution board with metallic door having a SAA FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBst 2 UPS & stabilizer UP) (Provide labeling in DB) b. Supply & fixing of 4way SPN distribution board with metallic door having 1 no 40A DP MCB, disting of 12 Nos SPN distribution board with metallic door having 1 no 40A DP MCB, disting of 12 Nos SPN distribution board with metallic door having 1 no 40A DP MCB, discendification and the second secon		having1no 63A FP MCB as incomer & outgoing consisting of 12nos of 10/16A	1		no	
and POWER CUT OFF SYSTEM either AUTO / MANUAL PLUG SYSTEM drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. UPS DIS: Llegrand/Schneider/L&T Make) Supply & fixing of 4way TPN MCB distribution board with metallic door having a SAA FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBs (2 UPS & 1stabilizer IPP) (Provide labeling in DB) b Supply & fixing of 40 Amps DP MCB with metal enclosure for the UPS O/P. 1 no 1 Nos DPS (1 Nos DPS MCBs) Care MCBs (2 UPS & 1 Nos DPS MCBs) (2 UPS & 1 Nos DPS MCBs) (2 UPS & 1 Nos DPS MCBs) (3 Nos DPS MCBs) (4 Nos DPS MCBs)		SPMCBs for lighting distribution system. (Provide labeling in DB)				
drawing power only from the Limit Switch in case of "Auto Power Cut Off System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 4 way TPN MCB distribution board with metallic door having a GAA FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP MCBs (2 UPS & 1stabilizer I/P) (Provide labeling in DB) 5. UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 40 Amps DP MCB with metal enclosure for the UPS O/P. 1 5. UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 10 Amps DP MCB with metal enclosure for INVERTER 1 1. Incoming and outgoing with 15 Amps socket (Anchor/Schneider Make). Supply & fixing of 20 Amps DP MCB with metal enclosure for INVERTER 1 1. Incoming and outgoing with 15 Amps socket (Anchor/Schneider Make). Supply & fixing of 6 way SPN distribution board with metallic door having 8 nos of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) 6. INVERTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 6 way SPN distribution board with metallic door having 8 nos of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) b (Only for necessary light and fan loads)(Separate POWER CUT OFF SYSTEM 2 nos of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) b (Only for necessary light and fan loads)(Separate POWER CUT OFF SYSTEM 2 nos of 6/10A SP MCBs off the Inverted sits by the Inverted SP MCB an						
System" is provided in the Door OR from the FEEDER BOX fitted outside the Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) JUPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 4way TPN MCB distribution board with metallic door having a 63A FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBs(2 UPS & 1stabilizer VP) (Provide labeling in DB) Supply & fixing of 40 Amps DP MCB with metal enclosure for the UPS O/P. JUPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having 1 no 40A DP MCB, finos of 6/10A SP MCBs for the UPS distribution system. (Provide labeling in DB) New Tester DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having 1 no (Provide labeling in DB) New Tester DB: (Legrand/Schneider/L&T Make) Supply & fixing of 6way SPN distribution board with metallic door having 8 nos of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) (Omly for necessary light and fan loads/Separate POWER CUT OFF SYSTEM to be provided for strong room writing of light points connected to inverter circuit) No (Omly for necessary light and fan loads/Separate POWER CUT OFF SYSTEM to be provided for strong room writing of light points connected to inverter circuit) SUPPLY & fixing of 6way SPN BB with metallic door having 63 Amps 4 pole a MCB-1 no and out going consisting of 2 no s 32 amps TP MCB and 7 no 20 amps SP MCB for AC Distrubution SITC OF 20Amps 3 Pin single phase 230 volts industria						
Strong Room (near the door) in case of Manual Plug System. The MANUAL PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4. UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 40 Amps DP MCB distribution board with metallic door having a GAS FP MCB as incomer & outgoing consisting of 3 Nos of 40 Amps DP 1 no MCBs(2 UPS & stabilizer VP) (Provide labeling in DB) b. Supply & fixing of 40 Amps DP MCB with metal enclosure for the UPS O/P. 1 no 5. UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPM distribution board with metallic door having 1 no 40A DP MCB, 6nos of 6/10A SP MCBs for the UPS distribution system. (Provide labeling in DB) 6. INVERTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPM distribution system with metallic door having 1 no no of 6/10A SP MCBs for the Inverted distribution system. (Provide labeling in DB) b. (Only for necessary light and fan loads)(Separate POWER CUT OFF SYSTEM to be provided for strong room wiring of light points connected to inverter circuit) 7. AC DB: (Legrand/Schneider/L&T Make) Supply & fixing of 16 way SPN DB with metallic door having 63 Amps 4 pole MCB-1 no and out going consisting of 2 no's 32 amps TP MCB and 7 no 20 amps SP MCB for AC Distrubution SITC OF 20Amps 3 Pin single phase 230 volts industrial plug and socket controlled by 25/32 Amps DP MCB with metallic door having 63 Amps 4 pole MCB-1 no and out going consisting of 2 no's 32 amps TP MCB and 7 no 20 amps SP MCB for AC Distrubution SITC OF 20Amps 3 Pin single phase 230 volts industrial plug and socket controlled by 25/32 Amps DP MCB with metal enclosure for feed						
PLUG SYSTEM OF POWER CUT OFF should be such that the connecting cable passes through the Strong Room Defender Door from inside to outside, which should be accessible only after opening the S.R. door (thus ensuring that the door can not be closed without removing the plug + wire and hence total power inside the Strong Room is cut off leaving no chances of fire resulting from an Electrical source / High Voltage / Surging even with the Switches in Off position) 4 UPS DB: (Legrand/Schneider/L&T Make) Supply & fixing of 4way TPN MCB distribution board with metallic door having an an an an an an analysis of 40 Amps DP MCBs (2 UPS & 1stabilizer VP) (Provide labeling in DB) 5 UPS SUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having 1 on A0A DP MCB. floor of 6/10A SP MCBs with metal enclosure for the UPS O/P. 1 UPS DUB DB: (Legrand/Schneider/L&T Make) Supply & fixing of 12 way SPN distribution board with metallic door having 1 no 40A DP MCB. floors of 6/10A SP MCBs for the UPS distribution system. (Provide labeling in DB) 6 INVERTER DB: (Legrand/Schneider/L&T Make) Supply & fixing of 20 Amps DP MCB with metal enclosure for INVERTER and incoming and outgoing with 15 Amps socket (Anchor/Schneider Make). Supply & fixing of 6 way SPN distribution board with metallic door having 8 nos of 6/10A SP MCBs for the Inverter distribution system. (Provide labeling in DB) (Only for necessary light and fan loads)(Separate POWER CUT OF SYSTEM 2 no be provided for strong room wiring of light points connected to inverter circuit) 7 AC DB: (Legrand/Schneider/L&T Make) Supply an fixing of 16 way SPN DB with metallic door having 8 nos of 6/10A SP MCBs for AC Distribution system. (Provide labeling in DB) (Droph for necessary light and fan loads)(Separate POWER CUT OF SYSTEM 2 no be provided for strong room wiring of light points connected to inverter circuit) 7 AC DB: (Legrand/Schneider/L&T Make) Supply an fixing of 16 way SPN DB with metall enclosure for AC's no maps						
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4R 6 sq. mm. + 1 R2.5 sq. mm. PVC insulated Copper wire (Main Power	b	2R 2.5 sq. mm + 1R 1.5 sq. mm PVC insulated Copper wire (LDB to first	103		Mtr	
		4R 6 sq. mm. + 1 R2.5 sq. mm. PVC insulated Copper wire (Main Power	24		B. 44	
	С	panel to UPS input DB).	34		Mtr	

d	2R 6 sq. mm. + 1R 1.5 sq. mm. PVC insulated Copper wire (UPS input DB to UPS + UPS to UPS output MCB) (UPS MCB to UPS output DB and Main Panel to Raw power DB)	51	Mtr	
е	ZR 2.5 sq. mm. + 1R 1.5 sq. mm. PVC insulated Copper wire (UPS & RAW Power Circuits). Maximum 2 Points only in 1 Circuit.	186	Mtr	
f	4R 10 sq. mm PVC insulated Copper wire (Main Power Panel to A/C DB).	27	Mtr	
g	2R 4sq. mm. + 1R 1.5sq. Mm. PVC insulated Copper wire (AC DB to AC units).	72	Mtr	
h	2R 6 sq. mm. + 1R 2.5 sq. mm. PVC insulated Copper wire (Main DB to INVERTER DB and then to LDB).	61	Mtr	
i	Providing and placing in position, testing and connecting 1.1 KV grade XLPE insulated PVC sheathed armoured Aluminium cable 3&1/2C x 35 sq. mm. conforming to IS 7098 with 2 Nos 10 SWG GI ECC by GI bar and saddles on wall/floorpass. Cable to be from Supply to Main DB .	24	Mtr	
9	WIRING FOR NAME BOARD:(Finolex/Havells/ Poly Cab Make)			
a	Supply and laying of 3run 2.5 sq. mm. PVC copper wire through 20mm	32	Mtr	
	PVC conduit pipe with all accessories from LDB to Name Board. LIGHT POINT WIRING: (Switch- Anchor/Schneider/Legrand Make) (Wiring-			
10	Finolex/Havells/ Poly Cab Make)			
	Supply and wiring for light point/Exhaust fan point /6A Socket outlet points wiring by using 2R 1.5 sq mm. + 1R 1sq mm. PVC insulated copper wire (FRLS) in a 20mm dia PVC Conduit with conduit accessories and suitable fixing arrangement. The conduit should be laid concealed in wall/floor. The Rate (Rs.) should be including supply and fixing of Nichel cadmium plated M.S box, 5 A one way modular plate switch with necessary connections and surface / recessed fixing arrangement).			
а	1 light point controlled by 1 switch	36	no	
b	2 light points controlled by 1 switch	8	no	
С	3 light points controlled by 1switch	4	no	
d	6A 2P socket with 6A switch away from socket and in switch box for Wall Mounting type Fans.	12	no	
е	Exhaust Fan ponit with 6A Switch away from point in switch box	3	no	
f	Ceiling fan point with electronic regulator	6	no	
g	5A socket with 5A switch in switch board itself	5	no	
11	UPS POWER POINTS:			
а	Supply & fixing of modular type boards for Computer points with 3nos. of 5Amps sockets, 1no. of 15Amps switch with indicator,suitable plate, box including terminations complete as required. (For Counter & Manager Cabin)	20	no	
b	Supply and providing of UPS power point consisting of 1 no.6/16A Socket + 1 no. 16A switch, for Hub connection/CCTV System/cash cabin/Fire Alarm.	4	no	
12	NOTE: The complete alarm systems and CCTV systems power connections must be taken before the output MCB of the UPS connection to ensure continuous power supply to the security systems. separate MCB to be provided near CCTV Fire Alarm System power points. RAW POWER POINTS:			
а	Supply and providing of Raw Power Points comprising of 2 no. 6A 3p socket + 1 no. 6/16A socket (Flush type) with1 no. 16A switch in suitable box, with all accessories, for Counters.	20	no	
13	TELEPHONE POINT WIRING: Supply , fixing , testing of phone point with suitable GI boxes with RJ-11 Telephone socket complete in all respect.	5	no	
b	Supply and providing of mettalic telephone junction box with 10 pair crown mounted on wall with all accessories.	1	no	
С	Supply and Laying of Telephone 2 pair cable through PVC conduit pipe with all accessories.	30	Mtr	
	Supply and laying of Telephone 5 pair cable through PVC conduit pipe with all			
d	accessories (from Telephone pole to Mgr cabin)	25	Mtr	
14	EARTHING: Supply & preparation of Earth pit as per IS: 3043 standards with copper plate			
а	earhing using 600x600x3 mm thick tinned copper plate including 25x3mm copper flat, 25mm dia G.I. Pipe with funnel, charcoal, salt complete as required with masonary bricks chamber covered with CI cover etc.	1	no	
b	Supply & preparation of Earth pit as per IS:3043 standards with 40mm GI pipe with funnel, charcoal, salt complete as required with masonary bricks chamber covered with CI cover etc.	1	no	
С	Supply & laying of 8SWG Copper wire for earthing in pvc pipe from earth pit to distribution board.	32	Mtr	
d	Supply and Laying No. 10 sq mm Copper wire for UPS neutral earth in PVC conduit.	32	Mtr	
15	Supply & fixing 100 A Bus Bar Unit	1	no	
16	Supply, laying, fixing & Testing of Calling Bell with all acessories, wiring and bell push. (Manager Cabin & Discussion Room)	1	no	
17	Temporay Arrangement for functioning of branch during renovation along with minimum wiring, network point and sufficient lighting points etc. Total Electrical works	1	LS	
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	DATA CABLING WORKS			
S.no.	Item description	Qty	PER	Amount
	Supply & laying of lane cabling to the all tables with cat 6 UTP(D Link Make)cable run through PVC pipe including necessary clamps screws			
1	concealed in wall where ever necessary. The data cabling pipe should be laid at a minimum distance of 3 ft from pipes laid down for power distribution.	180	Mtr	
2	Supply and Fixing of Cat -6 information outlets with face plate & block mount box	22	no	
3	Supply and fixing of 7 feet patch cards with end clips	22	no	
4	Supply and fixing of 3 feet patch cards with end clips	22	no	
5	Flexible pipe 1"	25	Mtr	
6	Providing and fixing 24 port jack panel for CAT-6 D-Link make	1	LS	
7	Supply & fixing of Modem Rack as per requirement with all accessories	1	LS	
	SERVICE CHARGES			
1	Lying of Cat-6 UTP cable (D-link make)	183	Mtr	
2	Cat-6 information outlet box fixing	22	no	
3	24 port switch with related item fixing	1	LS	
4	Back box & Case plate fixing	22	no	
5	Casing & Capping fixing with suitable material	66	Mtr	
6	PVC pipe fixing with raw material/screws/GI saddles/grips	1	LS	
7	Total ports testing	1	LS	
	Total Data Cabling works			
	ATM ELECTRICAL & DATA CABLING			
	Total Electrical and Data Cabling (Estimated Amount)			