| Item | Description | Monthly Fee First Level Intervention | Monthly Fee Second Level Intervention | Total Monthly Fees |
|---|---|---|---|---|
| | | MUR excl. VAT | | |
| **1** | Collection of Monthly Schedule for Premises | | | |
| **2** | Collection of Monthly Schedule for ATMS | | | |
| **Total Monthly Maintenance of Premises and ATMS** | | | | |

| Item | Description | Total Yearly Maintenance of Premises and ATMs – First Level Intervention | Total Yearly Maintenance of Premises and ATMs – Second Level Intervention | Grand Total Yearly Maintenance of Premises and ATMs |
|---|---|---|---|---|
| | | MUR excl. VAT | | |
| **1** | Year 2026 (as from 01 August 2026 to 31 July 2027) | | | |
| **2** | Year 2027 (as from 01 August 2027 to 31 July 2028) | | | |
| **3** | Year 2028 (as from 01 August 2028 to 31 July 2029) | | | |
| **4** | Year 2029 (as from 01 August 2029 to 31 July 2030) | | | |
| **5** | Year 2030 (as from 01 August 2030 to 31 July 2031) | | | |
| **Grand Total of Maintenance for the Year 2026 to Year 2031** | | | | |
| **Amount in words** | | | | |

| MONTHLY PRICING SCHEDULE FOR PREMISES | | | | | | | | | Tenderer to split the Total monthly Fees in 2 Level of interventions | |
|---|---|---|---|---|---|---|---|---|---|---|
| Item | Name of Premises | Electrical Cost | Plumbing Cost | Air Conditioning Cost | Generator Cost | UPS Cost | Fire Extinguisher | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| **LOT 1 - SOUTHERN REGION** | | | | | | | | | | |
| | **Service Units - Renovated** | | | | | | | | | |
| 1 | Rose Belle | | | | | | | | | |
| 2 | Mahebourg | | | | | | | | | |
| 3 | Surinam | | | | | | | | | |
| 4 | Chemin Grenier | | | | | | | | | |
| | **Service Units - Non Renovated** | | | | | | | | | |
| 5 | Plaine Magnien | | | | | | | | | |
| 6 | Riv des Anguilles | | | | | | | | | |
| | **Other Premises** | | | | | | | | | |
| 7 | Chemin Grenier (Ex Branch) | | | | | | | | | |
| 8 | Mahebourg (Ex Branch) | | | | | | | | | |
| **LOT 2 - PLAINE WILHEMS REGION** | | | | | | | | | | |
| | **Service Units - Renovated** | | | | | | | | | |
| 9 | Curepipe | | | | | | | | | |
| 10 | Mesnil | | | | | | | | | |
| 11 | Vacoas | | | | | | | | | |
| 12 | Q. Bornes | | | | | | | | | |
| Item | Name of Premises | Electrical Cost | Plumbing Cost | Air Conditioning Cost | Generator Cost | UPS Cost | Fire Extinguisher | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| 13 | Bamboux | | | | | | | | | |
| 14 | Beau Bassin | | | | | | | | | |
| 15 | Stanley | | | | | | | | | |
| 16 | Rose Hill | | | | | | | | | |
| 17 | Ebene | | | | | | | | | |
| 18 | Riviere Noire | | | | | | | | | |
| | **Service Units - Non Renovated** | | | | | | | | | |
| 19 | Candos | | | | | | | | | |
| | **Other Premises** | | | | | | | | | |
| 20 | Belle Rose Store, Belle Rose | | | | | | | | | |
| **LOT 3 - PORT LOUIS & NORTHERN REGION** | | | | | | | | | | |
| | **Service Units - Renovated** | | | | | | | | | |
| 21 | Cassis | | | | | | | | | |
| 22 | Pope Hennessy | | | | | | | | | |
| 23 | Royal Street PLouis | | | | | | | | | |
| 24 | Plaine Verte | | | | | | | | | |
| 25 | Fond Du Sac | | | | | | | | | |
| 26 | Goodlands | | | | | | | | | |
| 27 | Grand Bay | | | | | | | | | |
| 28 | Long Mountain | | | | | | | | | |
| Item | Name of Premises | Electrical Cost | Plumbing Cost | Air Conditioning Cost | Generator Cost | UPS Cost | Fire Extinguisher | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| 29 | Pamplemousses | | | | | | | | | |
| 30 | Triolet | | | | | | | | | |
| 31 | **Service Units - Non Renovated** | | | | | | | | | |
| 32 | SSRNH | | | | | | | | | |
| 33 | Labourdonnais | | | | | | | | | |
| 34 | Riv. Du Rempart | | | | | | | | | |
| | **Other Premises** | | | | | | | | | |
| 35 | SBM Printing Unit, MEDCOR | | | | | | | | | |
| 36 | SBM Archives, Coromandel | | | | | | | | | |
| 37 | SBM Archives, Plaine Lauzun | | | | | | | | | |
| 38 | Level 6, Tower 3, United Docks, Caudan | | | | | | | | | |
| 39 | Grand Bay (Ex Branch) | | | | | | | | | |
| 40 | Triolet (Ex Branch) | | | | | | | | | |
| **LOT 4 - EASTERN REGION & RODRIGUES** | | | | | | | | | | |
| | **Service Units - Renovated** | | | | | | | | | |
| 41 | St Pierre | | | | | | | | | |
| 42 | Q. Militaire | | | | | | | | | |
| 43 | Réduit | | | | | | | | | |
| 43 | Lalmatie | | | | | | | | | |
| | **Service Units - Non Renovated** | | | | | | | | | |
| 45 | Bel Air | | | | | | | | | |
| 46 | Mt. Blanche | | | | | | | | | |
| | **Rodrigues Region - Renovated Service Units** | | | | | | | | | |
| 47 | Port Mathurin | | | | | | | | | |
| 48 | Plaine Corail | | | | | | | | | |
| | **Rodrigues Region - Non Renovated Service Units** | | | | | | | | | |
| 49 | La Ferme | | | | | | | | | |
| 50 | Mont Lubin | | | | | | | | | |
| | **TOTAL COST FOR MONTHLY PRICING SCHEDULE FOR PREMISES EXCL. VAT (CARRY TO MAIN SUMMARY)** | | | | | | | | | |

**Additional Notes on Tendering**

| | |
|---|---|
| 1 | Tenderer to allow for basic maintenance of air conditioning equipment such as cleaning of filters even if mentioned that maintenance is being carried out by others. |
| 2 | Tenderer to allow for basic maintenance of generator equipment such as verification of batteries even if mentioned that maintenance is being carried out by others. |
| 3 | Tenderer to ensure that at least one inspection is carried out on a monthly basis at each respective site. |
| 4 | The fixed cost to include all overheads costs, transportation and relative administrations costs. |
| 5 | The tenderer to split the monthly fees into 2 categories namely First Level Intervention and Second Level of Intervention. |
| 6 | The First Level Intervention consists of minor interventions such as replacement of fluorescent tubes, remedial work of trunkings, minor plumbing works such as repair leakage of plumbing pipes, cleaning of water tank, cleaning of filter for split ac units, replenishment of fuel on generator. |
| 7 | The 2nd Level Intervention is the remaining monthly maintenance. Therefore the Monthly Fees = 1st Level Intervention + 2nd Level of Intervention |
| 8 | The Bank reserves the right to split the contract into two or more lots. |

| MONTHLY PRICING SCHEDULE FOR ATMS | | | | | | Tenderer to split the Total monthly Fees in 2 Level of Interventions | |
|---|---|---|---|---|---|---|---|
| Item | Name of Premises | Electrical Cost | Air Conditioning Cost | UPS Cost | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| **LOT 1 - SOUTHERN REGION** | | | | | | | |
| 1 | SBM ATM London Way, Mahebourg | | | | | | |
| 2 | SBM ATM 1314, Souillac | | | | | | |
| 3 | SBM ATM Bo Vallon, Mahebourg | | | | | | |
| 4 | SBM ATM Plaisance Shopping Village, Rose Belle | | | | | | |
| 5 | SBM ATM Savemart, Nouvelle France | | | | | | |
| 6 | SBM ATM SSRLA | | | | | | |
| 7 | SBM ATM SSRLA (Sterile Area) | | | | | | |
| **LOT 2 - PLAINE WILHEMS REGION** | | | | | | | |
| 8 | SBM ATM Sofia, Floreal | | | | | | |
| 9 | SBM ATM Manhattan, Curepipe | | | | | | |
| 10 | SBM ATM Winners, Forest Side | | | | | | |
| 11 | SBM ATM Allee Brillant | | | | | | |
| 12 | SBM ATM Winners, Reunion, Vacoas | | | | | | |
| 13 | SBM ATM Winners, St Paul | | | | | | |
| Item | Name of Premises | Electrical Cost | Air Conditioning Cost | UPS Cost | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| 14 | SBM ATM London Way, Vacoas | | | | | | |
| 15 | SBM NEWD Square Commercial Centre, Bonne Terre | | | | | | |
| 16 | SBM ATM Mauritius Post, Glen Park | | | | | | |
| 17 | SBM ATM Phoenix Mall, Phoenix | | | | | | |
| 18 | SBM ATM Lolo, Valentina Mall, Phoenix | | | | | | |
| 19 | SBM ATM La City, Trianon | | | | | | |
| 20 | SBM ATM Orchard, Quatre Bornes | | | | | | |
| 21 | SBM ATM Super U, Belle Rose | | | | | | |
| 22 | SBM ATM Intermart, Ebene | | | | | | |
| 23 | SBM ATM Les Allees d'Helvetia, St Pierre | | | | | | |
| 24 | SBM ATM Bagatelle Mall | | | | | | |
| 25 | SBM ATM Peerbhai, Rose Hill | | | | | | |
| 26 | SBM ATM Spar Windsor, Beau Bassin | | | | | | |
| 27 | SBM ATM Tang Way, Beau Bassin | | | | | | |
| 28 | SBM ATM Intermart, Chebel | | | | | | |
| 29 | SBM ATM Winners, Roches Brunes | | | | | | |
| Item | Name of Premises | Electrical Cost | Air Conditioning Cost | UPS Cost | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| 30 | SBM ATM Winners, Coromandel | | | | | | |
| 31 | SBM ATM Palm Square, La Mivoie, Tamarin | | | | | | |
| 32 | SBM ATM Cascavelle Mall, Cascavelle | | | | | | |
| 33 | SBM ATM Les Flamboyant, Flic en Flac | | | | | | |
| 34 | SBM ATM La Gaulette | | | | | | |
| 35 | SBM ATM London Way, Tamarin | | | | | | |
| **LOT 3 - PORT LOUIS & NORTHERN REGION** | | | | | | | |
| 36 | SBM ATM Mauritius Post, Port Louis (Registrar Building) | | | | | | |
| 37 | SBM ATM Bank of Mauritius (BOM) Tower | | | | | | |
| 38 | SBM ATM Spar Brabant, Port Louis | | | | | | |
| 39 | SBM ATM Mahogany Mall, Beau Plan | | | | | | |
| 40 | SBM ATM Caudan Waterfront | | | | | | |
| 41 | SBM ATM Riche Terre Mall | | | | | | |
| 42 | SBM ATM Winners, Terre Rouge | | | | | | |
| 43 | SBM ATM Super U, Grand Bay | | | | | | |
| Item | Name of Premises | Electrical Cost | Air Conditioning Cost | UPS Cost | Total Monthly Fees (Excl. VAT) | 1st Level of Intervention Monthly Fees (Excl. VAT) | 2nd Level of Intervention Monthly Fees (Excl. VAT) |
| 44 | SBM ATM London Way, Pointe aux Sables | | | | | | |
| 45 | SBM ATM Lolo, Morcellement St Andre | | | | | | |
| 46 | SBM ATM Winners, Pereybere | | | | | | |
| 47 | SBM ATM La Croisette, Grand Baie | | | | | | |
| 48 | SBM ATM Knoo Square, Port Louis | | | | | | |
| 49 | SBM ATM Riverside Mall, Riviere du Rempart | | | | | | |
| 50 | SBM ATM Simla Way ATM, Baie du Tombeau | | | | | | |
| 51 | SBM ATM Super U, Goodlands | | | | | | |
| 52 | SBM ATM Victoria Urban Terminal No 1 | | | | | | |
| 53 | SBM ATM Victoria Urban Terminal No 2 | | | | | | |
| 54 | SBM ATM Telecom Tower, Port Louis | | | | | | |
| **LOT 4 - EASTERN REGION & RODRIGUES** | | | | | | | |
| 55 | SBM ATM VIP Way, Flacq | | | | | | |
| 56 | SBM ATM Charle de Gaule St, Flacq (SSMS) | | | | | | |
| 57 | SBM ATM Super U, Flacq | | | | | | |
| | **TOTAL COST FOR MONTHLY PRICING SCHEDULE FOR ATM'S EXCL. VAT (CARRY TO MAIN SUMMARY)** | | | | | | |

**Additional Notes on Tendering**

| | |
|---|---|
| 1 | Tenderer to allow for basic maintenance of air conditioning equipment such as cleaning of filters even if mentioned that maintenance is being carried out by others. |
| 2 | Tenderer to allow for basic maintenance of generator equipment such as verification of batteries even if mentioned that maintenance is being carried out by others. |
| 3 | Tenderer to ensure that at least one inspection is carried out on a monthly basis at each respective site. |
| 4 | The fixed cost to include all overheads costs, transportation and relative administrations costs. |
| 5 | The tenderer to split the monthly fees into 2 categories namely First Level Intervention and Second Level of Intervention. |
| 6 | The First Level Intervention consists of minor interventions such as replacement of fluorescent tubes, installation of a nearby socket, remedial |
| 7 | The 2nd Level Intervention is the remaining monthly maintenance. Therefore the Monthly Fees = 1st Level Intervention + 2nd Level of |
| 8 | The Bank reserves the right to split the contract into two or more lots. |

| SBM SERVICE UNIT: | ARCHIVES | | | | |
|---|---|---|---|---|---|
| SYSTEM | LOCATION | Description/Make/ Model | MODEL | QTY | Comments |
| AIR CONDITIONING | Office Area | Trane - Wall type split unit - 12KBTU | Trane | 1 | Maintenance by others |
| AIR CONDITIONING | New Office | Airwell - 24KBTU | Airwell | 2 | |
| FAN | Ground floor | Wall mounted - Bel Air ventilation fan | | 4 | |
| | | Stand mounted - Pacific ventilation fan | | 1 | |
| | Mess room | Wall mounted - Bel Air ventilation fan | | 2 | |
| | | Stand mounted - Pacific ventilation fan | | 1 | |
| LIGHTING | External Area | Projected Halogen bulb | | 5 | |
| | Office Area | 2 x lighting fittings - 4ft fluorescent tube | | 1 | |
| | ARCHIVES (Ground floor) | 2 x lighting fittings - 4ft fluorescent tube | | 21 | |
| | ARCHIVES (First Floor) | 2 x lighting fittings - 4ft fluorescent tube | | 21 | |
| | ARCHIVES (Second Floor) | Projected Halogen bulb | | 5 | |
| | Toilet Area | Lighting fitting - 2ft fluorescent tube | | 2 | |
| | | Lighting fitting - econo bulb | | 2 | |
| GENERATOR | Manual Generator | Manual Generator SDMO 9ESHLM | | | |
| UPS | Office Area | UPS - POWERWARE 5110 (700VA)<br>Model: PW5110700 | Serial:<br>103004262 | 1 | |
| Power System (General) | Office Area | 13A socket outlet (British type) | | 1 | |
| | Mess room | 13A socket outlet (British type) | | 2 | |
| | ARCHIVES (Ground floor) | 13A socket outlet (British type) | | 8 | |
| MICROWAVE | Mess room | WESTPOINT - 20LT | | 1 | |
| REFRIGERATOR | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| WATER TANK | 1st Floor | WATER TANK - 1000lt | | 1 | |
| HAND DRYER | Toilet Area | INDIA | | 1 | |
| WC Set | Toilet Area | WC Set | | 2 | |
| WASH BASIN | | | | 1 | |
| FIRE ALARM PANEL | Corridor | ARITECH - Model: PF508 | 006131G02M1 | 1 | |

WINCH
SECURITY POST

| SBM ARCHIVES BUILDING COROMANDEL | | | | | |
|---|---|---|---|---|---|
| **ELECTRICAL INSTALLATIONS** | | | | | |
| **Item** | | **Description** | **Unit** | **Qty** | **REMARKS** |
| **A.** | **ELECTRICAL INSTALLATION - As per on site as made drawings** | | | | |
| | A.1 | **Ground Floor ( Double volume )** | | | |
| | A1.1 | MDB 1 - Circuit breakers and Residual Current Devices | | | |
| | A1.2 | MCB 16A - Lighting Circuit | No | 5 | |
| | A1.3 | MCB 20A - Socket | No | 5 | |
| | A1.4 | MCB 25A | No | 2 | |
| | | **MDB2- Circuit breakers and Residual Current Devices** | | | |
| | AI.5 | MCB 16A - Lighting Circuit | No | 6 | |
| | AI.6 | MCB 20A - Socket | No | 2 | |
| | AI.7 | New light fittings surface mounted LED Totally enclosed 1X25W | LOT | 1 | |
| | AI.8 | New lights to office area | LOT | 1 | |
| | AI.9 | Emergency Lights | LOT | 1 | |
| | AI.10 | Electrical accessories ( Switches,sockets, data sockets) | LOT | 1 | |
| | AI.11 | Power for Extraction/FAI fans | LOT | 1 | |
| | A.2 | **First Floor** | | | |
| | A.2.1 | MCB 16A - Lighting Circuit | No | 6 | |
| | A.2.2 | MCB 20A - Socket | No | 8 | |
| | A.2.3 | New light fittings surface mounted LED Totally enclosed 1X25W | LOT | 1 | |
| | A.2.4 | New lights to office area | LOT | 1 | |
| | A.2.5 | Emergency Lights | LOT | 1 | |
| | A.2.6 | Electrical accessories ( Switches,sockets, data sockets) | LOT | 1 | |
| | A.2.7 | Power for Extraction/FAI fans | LOT | 1 | |
| | A.3 | **Second Floor** | | | |
| | A3.1 | MCB 16A - Lighting Circuit | No | 16 | |
| | A3.2 | MCB 20A - Socket | No | 8 | |
| | A3.3 | New light fittings surface mounted LED Totally enclosed 1X25W | LOT | 1 | |
| | A3.4 | New lights to office area | LOT | 1 | |
| | A3.5 | Emergency Lights | LOT | 1 | |
| | A3.6 | Electrical accessories ( Switches,sockets, data sockets) | LOT | 1 | |
| | A3.7 | Power for Extraction/FAI fans | LOT | 1 | |
| | A.4 | **New security control room** | | | |
| | A.4.1 | lighting | LOT | 1 | |
| | A.4.2 | power sockets and telephone | LOT | 1 | |
| **B.** | **FIRE ALARM INSTALLATION- Inspect and report to thrid party contractor for any faults** | | | | |
| | B.1 | Fire alarm panel and repeater panels | No | 1 | |
| | B.2 | FA Devices | No | 60 | |
| | B.3 | Interfaces | No | 1 | |
| | | | | | |
| **F** | **EXTERNAL LIGHTING** | | | | |
| | F.1 | External led Floodlights with Photocell /Timer | LOT | 1 | |
| | F.2 | External led Floodlights with motion sensor | | 1 | |
| | | | LOT | | |
| **G** | **STANDBY GENERATOR SET - Inspection and report any faults to third party contractor** | | | | |
| | G.1 | Standby generator set - Make KOHLER 30KVA | No | 1 | |
| **H** | H1 | UPS - APC 6 KVA Inspection and report any faults to third party contractor | No | 1 | |
| **MECHANICAL INSTALLATIONS** | | | | | |
| **Item** | | **Description** | | | |
| **I** | **HVAC** | | | | |
| | **I1.1** | Extraction and FAI fans for air renewal in archives ( GF,FF,2F) | No | 6 | |
| **J1** | | **Cassette type Split AC units** | | | |
| | J.1.1 | 24,000btu | No | 4 | |
| | J.1.2 | 18,000 btu | No | 3 | |
| **K.** | **FIRE FIGHTING** | | | | |
| | K.1 | Fire Hose Reel & | No | 4 | |
| | K.2 | FHR pump and piping | LOT | 1 | |
| **L.** | L1 | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of maintenance certificate** | | | |
| | L.1.1 | Bottle type fire extinguishers | | | |
| | L.1.2 | 2.5 Kg Carbon dioxide | No | 4 | |
| | L.1.3 | 2.0Kg Carbon dioxide | No | 4 | |
| | L.1.4 | 5.0Kg Carbon dioxide | No | 11 | |
| | L.1.5 | Dry Powder | No | 4 | |
| **M** | **PLUMBING INSTALLATIONS** | | | | |
| | M.1 | Above ground water tanks, Domestic water pump set and piping | LOT | 1% | |
| | | **Ground Floor** | | | |
| | M.2 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet washer | LOT | 3 | |
| | M.3 | WHB, c/w tap, flexible pipes, bottle traps | LOT | 2 | |
| | M.4 | Complete bathroom set with wall mounted shower mixer with overhead arm | LOT | 2 | |
| **N** | | **Electric water heater for bathroom** | | | |
| | N.1 | 240V Water heater | No | 1 | |
| | | **Mezannine** | | | |
| | K.8 | Kitchen sink, c/w tap, flexible pipes | LOT | 1 | |
| | | | | | |

| SBM SERVICE UNIT: | F211 - Airport - A.D | | | | | |
|---|---|---|---|---|---|---|
| **SYSTEM** | **LOCATION** | **Description/Make/ Model** | **MODEL** | **DESCRIPTION** | **QTY** | **COMMENTS** |
| EXCHANGE RATE BOARD | | EXCHANGE RATE BOARD RATEX 1236 | EEMSIGNB001687 | | 1 | |
| | | EXCHANGE RATE BOARD RATEX 1237 | EEMSIGNB001688 | | 1 | |
| KITCHEN Equipment | ARRIVAL | MICROWAVE 20lt - WESTPOINT | | | 1 | |
| | | REFRIGERATOR 130lt - IGNIS | | | 1 | |
| FAN | ARRIVAL | MIKACHI - BOX FAN | | | 1 | |
| SIGN BOARD | EXTERNAL AREA | SINGLE SIDED illuminated STATUS CASH SIGN | EEMSIGNB001649 | | 1 | |
| AIR CONDITIONING | | Wall Mounted 12K AC Chigo | | | 1 | |

| SBM Service Unit: | Bambous | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditionning | ATM Room | AIRWELL - 12KBTU - Wall mounted | | 1 | |
| | Banking Hall | MC QUAY 18KBTU - Cassette Type | 2047370201087 | 1 | |
| | | MC QUAY 18KBTU - Cassette Type | 204809020033 | 1 | |
| | | MC QUAY 18KBTU - Cassette Type | 204843K200074 | 1 | |
| | | MC QUAY 18KBTU - Cassette Type | 204843K200076 | 1 | Teller's area |
| | | MC QUAY 18KBTU - Cassette Type | 204843K200096 | 1 | Teller's area |
| | Banking Hall | Midea 24KBTU - Wall Mounted | 241476540077B13 015006 | 1 | Maintenance by Others |
| | Computer Room | AIRWELL - 12KBTU - Wall mounted | | 1 | |
| | Meeting Room | AIRWELL - 12KBTU - Wall mounted | | 1 | |
| Fan | Kitchen | PANASONIC - Ceiling fan | | 1 | |
| | Corridor | PACIFIC - Wall mounted fan | | 2 | |
| | ATM Room | QUEST - Stand mounted fan | | 1 | Faulty |
| Generator | | FG Wilson FGW P16_SAE_ATS | FGWPEP80EYCC 01372 | 1 | Maintenance by Others |
| Earthing/Lightning Protection System | | Dehn ventil TT (3P+N) | | 1 | Located in Non essential panel |
| Lighting | ATM Area (external) | Hublot type lighting diffuser with E27 lighting fitting | | 2 | |
| | ATM room (internal) | 4 x lighting fittings c/w diffuser - 2ft fluorescent tube | | 2 | |
| | External Areas | Hublot type lighting diffuser with E27 lighting fitting | | 2 | |
| | | Hublot type lighting diffuser with E27 lighting fitting | | 6 | LHS and rear façade |
| | Entrance Lobby | 2 x lighting fittings for PL econo bulb | | 4 | |
| | Banking Hall | 4 x lighting fittings c/w diffuser - 2ft fluorescent tube | | 8 | |
| | Back Office (CSR & Teller) | 4 x lighting fittings c/w diffuser - 2ft fluorescent tube | | 4 | |
| | Computer Room | 4 x lighting fittings c/w diffuser - 2ft fluorescent tube | | 2 | |
| | Corridor | 4 x lighting fittings c/w diffuser - 2ft fluorescent tube | | 1 | |
| | Generator Room | Lighting fitting c/w cover - 4ft fluorescent tube | | 1 | |
| | Kitchen | Lighting fitting c/w cover - 4ft fluorescent tube | | 2 | |
| | Meeting Room | 4 x lighting fittings c/w diffuser - 2ft fluorescent tube | | 2 | |
| | Stationary Room | Lighting fitting c/w cover - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Hublot type lighting diffuser with E27 lighting fitting | | 4 | |
| | Vault | Lighting fitting c/w cover - 4ft fluorescent tube | | 2 | |
| UPS | | UPS 6.0 Kva Powerware | RU 461A761 | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 4 | |
| | Teller Counters | 16A socket outlet (French type) | | 8 | |
| | CSR Areas | 16A socket outlet (French type) | | 12 | |
| | Back Office | 16A socket outlet (French type) | | 4 | |
| | Computer Room | 16A socket outlet (French type) | | 8 | |
| | Meeting Room | 16A socket outlet (French type) | | 2 | |
| Power System (General Sockets) | ATM room (internal) | 13A socket outlet (British type) | | 2 | |
| | Banking Hall | 13A socket outlet (British type) | | 1 | |
| | Teller Counters | 13A socket outlet (British type) | | 2 | |
| | CSR Areas | 13A socket outlet (British type) | | 3 | |
| | Back Office | 13A socket outlet (British type) | | 2 | |
| | Computer Room | 13A socket outlet (British type) | | 2 | |
| | Kitchen | 13A socket outlet (British type) | | 2 | |
| | Toilet Area | 13A socket outlet (British type) | | 2 | |
| | Vault | 13A socket outlet (British type) | | 1 | |
| CCTV | | N/A | | | |
| Fire Fighting | | Fire extinguishers (Co2 - 2.5Kg) | | 2 | |
| Alarm System | | N/A | | | |
| Sign Board | External Area | Post Mounted "SBM Cash" Sign | | 1 | |
| | ATM area | N/A | | 1 | |
| | Roof | SBM lettering | | 1 | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| Hand Dryer | | INDA | | 2 | |
| Ventilation System | Generator Room | Extractor fan | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin with Pedestal | | 2 | |
| | Kitchen | Sink | | 1 | |
| | Water tank | 1000lts - Fibre glass tank | | 1 | |
| Power Distribution unit (Located in Store room) | Non essential panel | Main isolator 100A - 4P | | 1 | |
| | | Circuit breaker 20A | | 1 | For ext light |
| | | Timer & Contactor 20A | | 2 | For ext light |
| | | ELCB 20A | | 2 | |
| | | ELCB 25A | | 1 | For a/c units |
| | | ELCB 40A | | 2 | For a/c units |
| | | Circuit breaker 32A - P+N | | 3 | For Airwell a/c units |
| | Essential | ELCB 16A | | 3 | Socket outlet |
| | | ELCB 20A | | 4 | Office lighting |
| | | CB 32A | | 1 | UPS output |
| Power Distribution unit (Located in UPS room) | UPS Panel | Circuit breaker 40A | | 1 | UPS input |
| | | Circuit breaker 25A | | 1 | UPS output |
| | | ELCB 10A P+N | | 6 | Socket outlet |
| | Sub panel - UPS | Circuit breaker 10A | | 5 | |
| | | Circuit breaker 16A | | 1 | |
| Electrically powered roller shutter | | | | | |

**SBM Beau Bassin Branch**

***ELECTRICAL INSTALLATIONS***

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | | | | |
| **A.** | **SURGE PROTECTION** | | | |
| | | | | |
| A.1 | Surge Protection Device "SPD" w ith surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete w ith | | | |
| | in built fuse & | | | |
| | enclosure. Include for all cables, circuit | | | |
| | breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above | | | |
| **B.** | **EARTHING** | | | |
| | | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| | | | | |
| B.2 | Verify connection of distribution boards to the existing earthing | Lot | 1 | |
| | system using appropriate earth connectors. | | | |
| | | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, | | | |
| | sw itchgears, | | | |
| | contactors, cabling accessories, distribution blocks, | | | |
| | outgoing | | | |
| | terminals, busbars and engraved labels. All DBs to be as per | | | |
| | schematic draw ings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.5 | SDB VRF AC Outdoor GF | No. | 1 | |
| | | | | |
| C.6 | Allow for cable glands, lugs, terminal blocks, labels and other | Lot | 1 | |
| | accessories for terminating cables to DB. | | | |
| | | | | |
| C.7.1 | 4P 40A (For VRV Outdoor Unit) | No. | 2 | |
| | | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points.** | | | |
| | | | | |
| F.1 | Light point | No. | 84 | |
| F.2 | Sw itch point | No. | 15 | |
| F.3 | PIR detector point | No. | 7 | |
| F.4 | Socket point | No. | 150 | |
| F.5 | USB socket point | No. | 4 | |
| F.6 | VRV indoor AC unit point | No. | 10 | |
| F.7 | Fan point | No. | 4 | |
| | | | | |
| G.1 | Recessed Installation | | | |
| G.1.1 | Sw itch 1 gang 1 w ay, 10A | No. | 7 | |
| G.1.2 | Sw itch 2 gang 1 w ay, 10A | No. | 2 | |
| G.1.3 | Sw itch 3 gang 1 w ay, 10A | No. | 2 | |
| G.1.4 | Sw itch 3 gang 2 w ay, 10A | No. | 2 | |
| G.1.6 | PIR Presence Detector | No. | 4 | |
| G.1.7 | PIR Motion Detector w ith dual technology | No. | 3 | |
| | | | | |
| **H.** | **POWER POLES** | | | |
| H.4 | Rectangular column/ Pow er pole - 2 compartments (height 3.5m) | No. | 10 | |
| H.5 | Mini column/Pow er pole - 2 compartments (height 0.66m) | No. | 4 | |
| | | | | |
| | | | | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| I.1 | On Partition | | | |
| I.1.1 | Sw itched Socket 1 gang 13 Amps | No. | 5 | |
| I.1.2 | Socket RJ45 Cat 6a. 1 gang | No. | 2 | |
| I.2 | On Trunking | | | |
| I.2.1 | Sw itched Socket 1 gang 13 Amps | No. | 61 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 35 | |
| I.2.3 | Socket RJ45 Cat 6a. 1 gang | No. | 43 | |
| I.2.4 | USB Socket | No. | 4 | |
| I.2.5 | HDMI Socket | No. | 2 | |
| | | | | |
| I.4 | On Meeting Table | | | |
| | | | | |
| | **Pop-up box type 1 shall be 12 modules one and equipped with** | | | |
| | **1xHDMI + 2X13A switched + 2X16A + 2XRJ45 sockets.** | | | |
| | | | | |
| | **Similar to Legrand Arteor, magnesium finish with soft alu plate.** | | | |
| | **or equivalent.** | | | |
| | | | | |
| I.4.1 | Pop-up box Type 1 | No. | | |
| I.4 | **Above False Ceiling** | | | |
| I.4.1 | Double pole sw itch 20 Amps w ith LED indicator for AC | No. | 12 | |
| I.4.2 | Sw itched Socket 1 gang 13 Amps For fresh air fan | No. | 1 | |
| I.4.3 | Sw itched Socket 1 gang 13 Amps For extractor fan | No. | 3 | |
| I.4.4 | Sw itched Socket 1 gang 13 Amps for automatic sliding door | No. | 2 | |
| I.4.5 | Socket RJ45, Cat 6a, 1 gang for WIFI/Extender Point | No. | 2 | |
| I.4.6 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 0 | |
| | | | | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the** | | | |
| | | | | |
| J.1 | Type 1 | | | |
| J.1.1 | Track Light | m | 9 | |
| J.1.2 | Spot Light | No. | 9 | |
| J.2 | Type 2 | No. | 8 | |
| J.3 | Type 3 | No. | 34 | |
| J.4 | Type 4 | No. | 4 | |
| J.5 | Type 5 | No. | 30 | |
| J.6 | LED Strip Light | | | |
| J.6.1 | Rope Light | m | 10 | |
| J.6.2 | Driver | No. | 1 | |
| J.6.3 | ALU Strip - 2.4 mts | No. | 1 | |
| J.6.4 | Clear Varnish | No. | 1 | |
| J.7 | Type BM-1 | No. | 5 | |
| J.8 | Type BM-2 | No. | 5 | |
| **K.** | **UPS** | | | |
| | | | | |
| | 1 no. existing UPS rated 6 kVA (single phase in, single phase out) | Lot | 1 | |
| | and 1 no. SRF rated 2P-40A. Allow for all necessary interconnecting | | | |
| | cables. | | | |
| | | | | |
| | **LUMINAIRES (External Lighting)** | | | |
| | **Conduits & Wiring** | | | |
| | Type 6 - Ceiling Light- Detail City Eco V2 | No. | 3 | |
| | Type 7 - Ceiling Bulkhead - Furnagalli Pluto | No. | 7 | |
| | Type 8 - Floodlight -Philips | No. | 5 | |
| | **Accessories** | | | |
| | Type 6 - Ceiling Light- Detail City Eco V2 | No. | 3 | |
| | Type 7 - Ceiling Bulkhead - Furnagalli Berta | No. | 7 | |
| | Type 8 - Floodlight -SANO | No. | 5 | |
| | **SWITCHES** | | | |
| | **Conduits & Wiring** | | | |
| | Sw itch 1 Gang, 2 Way, 10 Amps | No. | 1 | |
| | Sw itch 1 Gang, 2 w ay, 10 Amps, Weatherproof | No. | 1 | |
| | **Accessories** | | | |
| | Sw itch 1 Gang, 2 Way, 10 Amps | No. | 1 | |
| | Sw itch 1 Gang, 2 w ay, 10 Amps, Weatherproof | No. | 1 | |
| | **POP-UP boxes for tables in banking hall.** | | | |
| | Recessed pop-up box | No. | 6 | |
| | **1 Gang 1 Way, 15 Amps switches as** | | | |
| | **manual override for new external lighting** | | | |
| | **Close to restrooms** | | | |
| | 10A Sw itches | No | 4 | |
| | **13A switched socket near each WAP** | | | |
| | **Above false ceiling** | | | |
| | 13A Socket | No | 2 | |

**FIRE ALARM INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| | *First Line intervention* | | | |
| **A.** | **FIRE ALARM PANEL** | | | |
| | | | | |
| A.1 | 2 loop addressable type fire alarm panel c/w associated pow er supply, | No. | 1 | |
| | 72 hr battery backup, on board printer,etc… | | | |
| | | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all w irew ays complete w ith proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the follow ing field devices | | | |
| | to the corresponding loop/zone. | | | |
| | (iii) Fire alarm accessories complete w ith proprietary mounting bases. | | | |
| | | | | |
| B.1 | Smoke detector | No. | 15 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 2 | |
| | | | | |
| **C.** | **LIAISON WITH FIRE SERVICES, etc.** | | | |
| | | | | |
| C.1 | Providing all necessary attendance to the Fire services during their inspection/visits on site. | Lot | 1 | |
| | | | | |
| C.2 | Preparation of three printed/bound sets of as-made draw ings and test | Lot | 1 | |
| | certificates for submission to the fire services for fire clearance purposes | | | |
| | | | | |
| C.3 | Allow for liason w ith other sub-contractors for interfacing w ith their equipment. | Lot | 1 | |
| | | | | |

**Air Conditioning and Ventilation Installations**

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **B.** | **Fresh Air Intake** | | | |
| | | | | |
| B.1 | Centrifugal Fan w ith acoustic insulation, inline | | | |
| | to G/s Duct:230V 50Hz. Low noise : 37dBA at 4m | | | |
| | (Similar to | | | |
| | Aldes Xalent series) | | | |
| B.1.1 | Ground Floor | | | |
| | y5 | No. | 1 | |
| | | | | |
| **D.** | **Toilet Extraction** | | | |
| | | | | |
| D.1 | Disc valve, circular type w ith adjustable centre cone fixed to | No. | 2 | |
| | false ceiling, capacity per disc valve = 80m3/h | | | |
| | @ 160 mm diffuser w ith Ø 100mm inlet (Similar to | | | |
| | ALDES SR 149). | | | |
| | | | | |
| | | | | |
| D.5 | In-line fan, Mixvent axial type, GS casing w ith ABS plastic | No. | 1 | |
| | impellers, 230V,50Hz, integral thermal protection, IP44 | | | |
| | mounted on anti-vibration mountings, pow er socket provided | | | |
| | near fan at ceiling. Low Noise (similar to Aldes Inline | | | |
| | XPRO | | | |
| | Series ) | | | |
| | Fan Capacity:- | | | |
| | (i) 160 m3/hr at 120 Pa | | | |
| | | | | |
| | | | | |
| **F.** | **VRF Indoor Units and Accessories** | | | |
| | | | | |
| F.1 | Cassette type VRF air conditioning unit, installed flush to | | | |
| | false ceilings 600x600mm panels or flush plastered panels. | | | |
| | Aesthetic good looking model, 4 w ay diagonal air discharge flow, | | | |
| | w ireless remote 50Hz (Single Phase) c/w pow er cables, G/S | | | |
| | supports Easily removable centre grille w ith w ashable filter. | | | |
| | Motorized Flaps Direct Expansion Type Evaporator. | | | |
| | (Pow er Point to | | | |
| | be provided under the Electrical Lot) | | | |
| F.1.1 | Ground Floor | | | |
| (i) | 3.6kW (Compact) | No. | 9 | |
| (ii) | 4.5kW (Compact) | No. | 3 | |
| | | | | |
| **G** | **VRV Outdoor Units AND ACCESSORIES (EUROVENT CERTIFIED)** | | | |
| | Brand new , Mini VRV outdoor unit, fully assembled unit, tw in rotary, | | | |
| | or scroll compressors, fully dual digital inverter smart feature | | | |
| | R410A Refrigerant, High Energy efficiency rating >A+, Refrigerant | | | |
| | pump-dow n & pump-up functionality to ease maintenance | | | |
| | Balanced compressor operation for improved durability and | | | |
| | longevity. Fully electronic control & intelligent system c/w all | | | |
| | necessary sensors. GSS casing w ith anti-corrosion lacquered | | | |
| | finish cooling fan and fan guard to be fully corrosion protected | | | |
| | 400V, 3ph, 50 Hz, Low sound equipment. | | | |
| | Outdoor Conditions : 32°C , 75%RH | | | |
| | Indoor Conditions: 23°C, 55% RH | | | |
| | | | | |
| G.1 | Cooling Capacity: | | | |
| (i) | System A :25 kW(Outdoor Unit A) | No. | 1 | |
| (ii) | System B :25 kW (Outdoor Unit B) | No. | 1 | |

**PLUMBING & FIRE FIGHTING INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| | | | | |
| **B.** | **COLD WATER DISTRIBUTION** | | | |
| | | | | |
| B.1 | uPVC pressure pipe, solvent w elded, rated to PN16 | | | |
| | (i) ø 25/20 mm | m | 12 | |
| | (ii) ø 20/15 mm | m | 5 | |
| | | | | |
| B.2 | Reducer sections, Tees, Elbow s, Wyes, Unions, Adaptors, | Lot | 1 | |
| | Transition Fittings, etc. uPVC pressure fittings, solvent w elded | | | |
| | (rated to PN16) | | | |
| | | | | |
| B.3 | Automatic air release valve,1/2" connection,Brass | No. | 1 | |
| | | | | |
| B.4 | Water hammer arrestor,1/2" connection,Brass | No. | 1 | |
| | | | | |
| B.5 | Mini ball valves at WHB | No. | 3 | |
| | | | | |
| B.6 | Chrome plated angle valve (High Quality) 1/2" connection at WC | No. | 4 | |
| | cisterns | | | |
| | | | | |
| B.7 | Chrome plated Angle valve (high Quality) for spray hose | No. | 4 | |
| | | | | |
| B.8 | Flexible pipes (200mm long) ½"connection at WHB,WC | No. | 5 | |
| | | | | |
| B.9 | Allow for unions, male adaptors, female adaptors, w ith | Lot | 1 | |
| | consumables | | | |
| | | | | |
| B.10 | Saddles, hangers and other holding accessories to pipes | Lot | 1 | |
| | | | | |
| **C.** | **WASTE & SEWER COLLECTION** | | | |
| | | | | |
| C.1 | uPVC non pressure pipe, solvent w elded. | | | |
| | (i) Ø 40mm PN6 (WHB Discharge) | m | 2 | |
| | (ii) Ø 50mm PN6 (Sink Discharge) | m | 10 | |
| | (iii)Ø110 mm PN8 (Sew er) | m | 10 | |
| | | | | |
| C.2 | uPVC fittings, rated to PN6 and PN8. Solvent w elded,c/w | Lot | 1 | |
| | consumables. Reducers, Tees, Elbow s, Y-Tees, Rodding Eyes, | | | |
| | | | | |
| | | | | |
| C.3 | Reducer sections, Tees, Elbow s, Wyes, Rodding eyes, Angle | Lot | 1 | |
| | elbow s, etc. uPVC non pressure fittings, solvent w elded (rated to | | | |
| | PN6) | | | |
| | | | | |
| C.5 | Bottle traps (vertical inlet, horizontal outlet) | | | |
| | (i) 40mm at WHB | No. | 2 | |
| | (ii) 50mm at SINK | No. | 1 | |
| | | | | |
| C.6 | Floor Trap 150x150mm (High Quality)(Similar to SAS Ref :55192) | No. | 2 | |
| | | | | |
| C.7 | PVC 110mm pan adaptor(Plastic) consumables, Reducers, Tees, | No | 2 | |
| | Elbow s, Y-Tees, Rodding Eyes, etc. | | | |
| | | | | |
| | 1 No toilet on 1st floor (including cold w ater,w aste and sew er w orks). | Lot | 1 | |
| | | | | |
| C.8 | Polyethylene gully trap, complete w ith extension and access covers | No | 2 | |
| | | | | |
| | ***FIRE-FIGHTING INSTALLATIONS*** | | | |
| | | | | |
| **D.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| | | | | |
| D.1 | Dismantling of Existing WCs and WHB and Hand-Over to Client | Lot | 1 | |
| | | | | |
| D.2 | Take delivery from Main Contractor on site and fix the follow ing | | | |
| | sanitary w ares c/w tap w ares, fittings & accessories . | | | |
| | | | | |
| D.3 | (i) WCs,c/w flush valve,flushing cistern mechanism,pan adaptor | No. | 2 | |
| | (ii) Wash hand basins | No. | 2 | |
| | (iii)Kitchen Sink,c/w tap,flexible pipes | No. | 1 | |
| | | | | |
| **E.** | **FIRE EXTINGUISHERS** | | | |
| | Supply and install on w all brackets, bottle type fire extinguishers, | | | |
| | similar to S.R.I model. | | | |
| E.1 | 4.5 kg $CO_2$ Type (similar to S.R.I model). | No. | 4 | |
| E.2 | 4.0 kg ABC Dry chemical pow der type | No. | 4 | |
| E.3 | Wall bracket for w all mounting for fire extinguishers | No. | 8 | |
| | | | | |
| **F.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| | | | | |
| F.1 | *Equipment Signages* | | | |
| | Fire extinguisher, and Fire-escape related signage, | Lot | 1 | |
| | as per requirements of BS 5499, to be fixed on w all, | | | |
| | doors, etc. to indicate presence of firefighting equipment, w ith | | | |
| | photoluminescent characteristics | | | |
| | | | | |
| F.2 | *Fire Escape route indicators to BS 5499-4:2013* | | | |
| | | | | |
| F.5. | Bracket Wall mounted photoluminescent indicators w ith green | Lot | 1 | |
| | markings show ing arrow indicating escape routes to the exterior at | | | |
| | ground floor | | | |
| | | | | |

| SBM Service Unit: | Bel Air | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | Banking Hall | MIDEA AIR-CONDITIONING CEILING TYPE -24K BTU | 341584283048602016 0017 | 1 | Maintenance by others |
| | | MIDEA AIR-CONDITIONING CEILING TYPE -24K BTU | 341667450068922016 0011 | 1 | Maintenance by others |
| | | MIDEA AIR-CONDITIONING CEILING TYPE -24K BTU | 341667450068922016 0006 | 1 | Maintenance by others |
| | Manager's Office | Trane - 12KBTU | 340570000058060000000 | 1 | Maintenance by others |
| Generator | | GENERATOR TEKSAN TJ9MS 10 KVA - Automatic | 7113371 | 1 | |
| Earthing/Lightning Protection System | | SRF-363- Proline | EEMELEQU001624 | 1 | |
| Lighting | External Areas | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | Banking Hall | Lighting fitting - 4ft fluorescent tube | | 14 | |
| | Corridor | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Kitchen | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Manager"s Office | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting for econo type bulb | | 2 | |
| | Vault | Lighting fitting for fluorescent tube 4ft | | 1 | |
| UPS | | POWERWARE UPS-6.0KVA | RW495A0304 | 1 | |
| Power System (UPS Sockets) | Teller Counters | 16A socket outlet (French type) | | 12 | |
| | CSR Areas | 16A socket outlet (French type) | | 9 | |
| | Back Office | 16A socket outlet (French type) | | 3 | |
| | Computer Room | 16A socket outlet (French type) | | 2 | |
| | Manager Office | 16A socket outlet (French type) | | 3 | |
| Power System (General Sockets) | ATM room (internal) | 13A socket outlet (British type) | (2 on both sides) | 4 | (ATM being supplied by 13A socket outlet) |
| | Banking Hall | 13A socket outlet (British type) | | 2 | |
| | Teller Counters | 13A socket outlet (British type) | | 8 | |
| | CSR Areas | 13A socket outlet (British type) | | 6 | |
| | Kitchen | 13A socket outlet (British type) | | 2 | |
| | Manager's Office | 13A socket outlet (British type) | | 2 | |
| | Toilet Area | 13A socket outlet (British type) | | 1 | Utilised for Hand dryer |
| Fire Fighting | Located behind tellers' area | Fire extinguisher (CO2 - 2.5Kg) | | 1 | |
| Alarm System | | N/A | | | |
| CCTV System | | N/A | | | |
| Sign Board | External Area | SBM CASH - DOUBLE SIDED | | | |
| | Main entrance Area | N/A | | | |
| | ATM area | N/A | | | |
| | Roof | SBM NEON LETTERINGS | | | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| Plumbing & Public Health Systems | Mess Room | Sink | | 1 | |
| | Toilet Area | WC | | 1 | |
| | Hand Dryer | IGNA | | 1 | |
| | Water Pump | Shimge - 0.7KW | Model: CPM 158 | 1 | |
| | Water Tank | Fibre glass - 1000lts tank | | 1 | |
| Distribution Board | Non essential supply (Located in ATM Room) | 4P 80A isolator | | | |
| | | 25A breaker P+N | | 5 | For a/c units |
| | | 16A breaker P+N | | 1 | |
| | Essential supply (Located in ATM Room) | 40A breaker 4P | | | |
| | | 32A breaker P+N | | 2 | For UPS + Kitchen outlet |
| | | 25A breaker P+N | | 2 | |
| | | 16A breaker P+N | | 2 | |
| | UPS Panel (Located near UPS in B.Hall) | 40A breaker 2P | | 1 | |
| | | 32A breaker P+N | | 1 | |
| | | 6A breaker P+N | | 2 | |
| | | 10A breaker P+N | | 1 | |
| | | 25A breaker P+N | | 2 | |

| SBM Service Unit: | Candos | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | Banking Hall | AIR CONDITIONER -36K BTU- CEILING TYPE- MIDEA | 3415395950283060160008 | 1 | Maintenance by others |
| | | AIR CONDITIONER -36K BTU- CEILING TYPE- MIDEA | 3415395950283060160048 | 1 | Maintenance by others |
| | | AIR CONDITIONER -18K BTU- CEILING TYPE-AIRWELL | | 1 | |
| | ATM & Server Room | Trane - 18KBTU- Wall type | 622203878550400010 | 1 | Maintenance by others |
| | Manager Office | Trane - 12KBTU- Wall type | 24038785501771201220064 | 1 | Maintenance by others |
| Generator | | FG WILSON FGW P11_SAE_ATS GENERATOR | FGWPEP41HMW004897 | 1 | Maintenance by others |
| Earthing/Lightning Protection System | | | | | |
| Lighting | External Areas | Hublot type fittings with econo bulbs | | 4 | |
| | Banking Hall | 2 x lighting fittings c/w cover - 4ft fluorescent tube | | 4 | |
| | Back Office | 2 x lighting fittings c/w cover - 4ft fluorescent tube | | 2 | |
| | Computer Room | 2 x lighting fittings c/w cover - 4ft fluorescent tube | | 1 | |
| | Kitchen | 2 x lighting fittings c/w cover - 4ft fluorescent tube | | 1 | |
| | Manager Office | 2 x lighting fittings c/w cover - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting - 2ft fluorescent tube (Male & female toilet) | | 1 | |
| | Vault | | | | |
| UPS | | UPS 6.0 KVA APC | | 1 | Maintenance by others |
| Power System (UPS socket) | Teller Counters | 16A socket outlet - French type | | 9 | |
| | CSR Areas | 16A socket outlet - French type | | 6 | |
| | Computer Room | 16A socket outlet - French type | | 14 | |
| | Manager Office | 16A socket outlet - French type | | 2 | |
| Power System (General Sockets) | ATM room (internal) | 13A socket outlet - British type | | 1 | |
| | Banking Hall | 13A socket outlet - British type | | 2 | |
| | Teller Counters | 13A socket outlet - British type | | 3 | |
| | Kitchen | 13A socket outlet - British type | | 3 | |
| | Manager Office | 13A socket outlet - British type | | 1 | |
| | Toilet Area (Corridor) | 13A socket outlet - British type | | 1 | |
| Industrial socket outlet | External area | SCAME (Single phase industrial socket) 32A | | 1 | For generator set |
| Fire Alarm | | N/A | | | |
| Fire Fighting | | Fire extinguisher (CO2 - 2.5Kg) | | 2 | |
| Alarm System | | N/A | | 1 | |
| CCTV System | | N/A | | | |
| Sign Board | External Area | ATM SIGNBOARD | | | |
| | Main entrance Area | SBM LETTERING | | | |
| | ATM area | | | | |
| | Roof | SBM NEON LETTERING SIGN | | 3 | |
| Microwave | | SANYO 20Lts | | 1 | |
| Refrigerator | | IGNIS | | 1 | |
| Hand Dryer | | INDA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin with Pedestal | | 1 | |
| | Kitchen | Sink | | 1 | |
| | Water tank | 1000 lts - Fibre glass | | 1 | |
| Power Distribution unit | N. Essential | Main Circuit breaker 63A - 2P | | 1 | |
| | | Circuit breaker 10A - 2P | | 1 | |
| | | Circuit breaker 25A - 2P | | 4 | |
| | | Circuit breaker 32A - 2P | | 1 | |
| | | Timer & Contactor 20A - 2P | | 1 | Ext light; Panel located in Computer room |
| | | Circuit breaker 20A - 2P | | 1 | |
| | Essential panel | Circuit breaker 32A - 2P | | 1 | |
| | | Circuit breaker 40A - 2P | | 1 | Supply to UPS |
| | | Circuit breaker 10A - 2P | | 4 | Office lighting |
| | | Circuit breaker 16A - 2P | | 4 | |
| | UPS panel | Circuit breaker 32A - 2P | | 1 | UPS input |
| | | Circuit breaker 25A - 2P | | 1 | UPS output |
| | | Circuit breaker 16A - 2P | | 7 | |
| | | Circuit breaker 10A - 2P | | 1 | |

## SBM CASSIS

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **SURGE PROTECTION** | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| A.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system as per applicable BS standards | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, contactors, cabling accessories, distribution blocks, outgoing terminals, busbars and engraved labels. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| C.5 | DB CHANGEOVER | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand dryer points** | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| **G.1** | **Recessed Installation** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 24 | |
| G.1.5 | PIR Presence Detector | No. | 8 | |
| **G.2** | **On Trunking** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 5 | |
| G.3.1 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| **I.1** | **On Partition** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 18 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 1 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 3 | |
| **I.3** | **On Trunking** | | | |
| | **Similar to Legrand Arteor, White Finish or equivalent.** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 48 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 35 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 36 | |
| I.3.5 | HDMI Socket | No. | 2 | |
| **I.4** | **Above False Ceiling** | | | |
| I.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 18 | |
| I.4.4 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 2 | |
| I.4.5 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.4.6 | Switched Socket 1 gang 13 Amps for WIFI Access Point | No. | 2 | |
| I.4.7 | Socket 1 gang 16 Amps for WIFI Access Point | No. | 2 | |
| I.4.8 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.4.9 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 3 | |
| I.4.10 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| J.1 | Type 1 (a) | No. | 44 | |
| J.2 | Type 2 | No. | 17 | |
| J.3 | Type 3 (a) | No. | 65 | |
| J.5 | Type 4 (a) | No. | 13 | |
| J.7 | Type EM-1 | No. | 9 | |
| J.8 | Type EM-2 | No. | 9 | |
| J.10 | Type EM-4 | No. | 4 | |
| **K.** | **UPS** | | | |
| K.1 | 1 no. existing UPS rated 6 kVA (single phase in, single phase out) in technical room. | Lot | 1 | |
| **L** | **External Lights and Signages** | | | |
| | **Conduit and wiring** | | | |
| | a) external light point | No. | 15 | |
| | b) signages and Totem | No. | 3 | |
| | a) Fumagalli- Model: UmbertaPOWER: 11 WLuminous intensity: 1300 lmCOLOR TEMP: 4000 KINGRESS PROTECTION (IP): 65 | No. | 8 | |
| | b)ROBUS- Model: REMY LEDPOWER: 30WLuminous intensity: 1550 lmCOLOR TEMP: 4000KINGRESS PROTECTION (IP): 66 | No. | 3 | |
| | Alternative | | | |
| | c) Forlight - PX0507-NEG - Width-118mm, HEIGHT- 215mm, depth-65mm | No. | 2 | |

### FIRE ALARM INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **A.** | **FIRE ALARM PANEL** | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, 72 hr battery backup, on board printer,etc… | No. | 1 |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | |
| | Inspection only | | |
| B.1 | Smoke detector | No. | 16 |
| B.2 | Heat Detector | No. | 1 |
| B.3 | Manual call point | No. | 2 |
| B.4 | Electronic Sounder | No. | 2 |
| **C.** | **LIAISON WITH FIRE SERVICES, etc.** | | |
| | **Only during visit for Application of Fire Certificate** | | |

### HVAC INSTALLATIONS

| | | | |
|---|---|---|---|
| **C.** | **SPLIT AC DC INVERTER UNITS - monthly cleaning of air filters only** | | |
| C.1 | **Compact** Cassette type DC inverter type split air conditioning unit installed flush to false ceilings | | |
| | 4 way air discharge flow, wireless remote control low noise, 3 fan speed, built in drain pump, 230V, 50Hz (Single Phase) c/w power cables, G/S supports Easily removable centre grille with washable filter. Motorized Flaps. (Power Point to be provided under the Electrical Lot) | | |
| (i) | 2.7kW | No. | 3 |
| (ii) | 3.6kW | No. | 6 |
| (iii) | 4.5kW | No. | 6 |
| C.3 | Hot dipped G/S supports, hangers, rawl bolts, cable trays, thick rubber vibration | Lot | 1 |
| | isolators (all similar to MUPRO) for holding all indoor and outdoor units and pipings. Inspection only | | |

### Plumbing & Fire-Fighting Installations

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **A.** | **INSPECT AND MONTHLY CLEANING** | | |
| A.1 | Inspect and clean existing sewer,gully and manhole and waste pipe | Lot | 1 |
| **C.** | **COLD WATER SUPPLY** | | |
| | **Inspect cold water reticulation network inclusive of fittings and supports** | | |
| C.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | |
| (i) | Ø20/15mm | | |
| C.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 3 |
| C.3 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, Tees, Elbows, Unions, male adaptors, female adaptors, transition fittings, threaded sockets at all valves and flexible pipes, etc | Lot | 1 |
| C.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 |
| C.7 | Chrome plated angle valve ½"connection (High Quality) at sink, whb & wc,jetwasher | No. | 7 |
| C.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) at sink, whb & wc | No. | 5 |
| **D.** | **WASTE & SEWER** | | |
| D.1 | uPVC pipe, solvent welded, diameter | | |
| (i) | 40mm PN6 (whb discharge) | | |
| (ii) | 50mm PN10 (waste collection, sink discharge) | | |
| (iii) | 110mm PN10 (wc discharge) | | |
| D.2 | uPVC fittings, rated to PN10. Solvent welded. Reducers, Tees, Elbows, Y-Tees, Rodding Eyes, etc. | Lot | 1 |
| D.3 | Supports, saddles, screws, rawl bolts and all sundries for COMPLETE INSTALLATION of sewer and waste pipes | Lot | 1 |
| D.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 |
| D.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 |
| D.6 | Floor Traps 100 x 100 PVC with SS cover (high quality to ID approval) | No. | 2 |
| **E.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | |
| E.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet washer | No. | 2 |
| E.2 | WHB, c/w tap, flexible pipes | No. | 2 |
| E.3 | Kitchen sink, c/w tap, flexible pipes | No. | 1 |
| **F.** | **FIRE EXTINGUISHERS** | | |
| F.2.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 1 |
| F.2.2 | 4.0 kg ABC Dry chemical powder type | No. | 1 |
| **G.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | |
| G.1 | *Equipment Signages* | | |
| | Fire extinguisher and fire-escape related signage, as per requirements of BS 5499, fixed at strategic locations to indicate presence of firefighting equipment, with photoluminescent characteristics | Lot | 1 |

# SBM Chemin Grenier Branch

## Electrical Installations

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **B.** | **SURGE PROTECTION** | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, UpVoltage | No. | 1 | |
| | Protection Level 1.0KV and complete with in built fuse & enclosure. Include | | | |
| | for all cables, circuit breakers/fuses and accessories for "Shunt" | | | |
| | connection of the above (as per manufacturer's recommendations) to the | | | |
| | MDB. | | | |
| **C.** | **EARTHING** | | | |
| C.1.1 | Main Earthing for MDB | Lot | 1 | |
| C.1.2 | Main Earthing for Generator Neutral | Lot | 1 | |
| C.1.3 | Main Earthing for Communication Equipment | Lot | 1 | |
| C.2 | Earth Cables | | | |
| **D.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing terminals, | | | |
| | busbars and engraved labels. | | | |
| D.1 | DB Changeover | No. | 1 | |
| D.2 | MDB | No. | 1 | |
| D.3 | DB UPS IN | No. | 1 | |
| D.4 | DB UPS OUT | No. | 1 | |
| D.5 | SDB UPS | No. | 1 | |
| D.7 | **Isolators and Enclosure for Mechanical Equipment** | | | |
| D.7.1 | 4P 25A (For VRF Outdoor Unit) | No. | 3 | |
| D.7.2 | 2P 25A (For Domestic Water Pump Control Panel) | No. | 1 | |
| G.3 | **Roof** | | | |
| G.3.1 | Plexo Box for Event lighting | No. | 1 | |
| G.4 | **External** | | | |
| G.4.1 | Light point | No. | 12 | |
| **H.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| **(I)** | **Recessed Installation** | | | |
| | **Lower Ground Floor** | | | |
| H.1 | | | | |
| H.1.1 | Switch 1 gang 1 way, 10A | No. | 8 | |
| H.1.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| H.2 | **Ground Floor** | | | |
| H.2.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| H.2.2 | Switch 2 gang 1 way, 10A | No. | 1 | |
| H.2.3 | Switch 1 gang 2 way, 10A | No. | 1 | |
| H.2.5 | PIR Motion Detector with dual technology | No. | 1 | |
| (i) | Hand Dryer | No. | 3 | |
| **J.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| **(I)** | **On Partition** | | | |
| J.1 | **Lower Ground Floor** | | | |
| J.1.1 | Switched Socket 1 gang 13 Amps | No. | 1 | |
| J.1.4 | Universal Socket | No. | 1 | |
| J.2 | **Ground Floor** | | | |
| J.2.1 | Switched Socket 1 gang 13 Amps | No. | 17 | |
| J.2.2 | Socket 1 gang 16 Amps | No. | 6 | |
| J.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 7 | |
| **(II)** | **On Blockwall** | | | |
| J.3 | **Lower Ground Floor** | | | |
| J.3.1 | Switched Socket 1 gang 13 Amps | No. | 5 | |
| J.3.4 | Socket 2 gang 13/16 Amps | No. | 3 | |
| J.3.5 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| J.3.6 | Universal Socket | No. | 1 | |
| J.4 | **Ground Floor** | | | |
| J.4.2 | Socket 2 gang 13 Amps | No. | 3 | |
| J.4.4 | Socket 2 gang 13/16 Amps | No. | 1 | |
| J.4.5 | Socket RJ45 Cat 6a, 1 gang | No. | 4 | |
| J.4.6 | Universal Socket | No. | 1 | |
| **(III)** | **On Trunking** | | | |
| J.5 | **Lower Ground Floor** | | | |
| J.5.1 | Socket 1 gang 13 Amps | No. | 7 | |
| J.5.2 | Socket 1 gang 16 Amps | No. | 6 | |
| J.5.3 | Socket RJ45 Cat 6a, 1 gang | No. | 7 | |
| J.5.4 | Universal Socket | No. | 1 | |
| J.6 | **Ground Floor** | | | |
| J.6.1 | Socket 1 gang 13 Amps | No. | 18 | |
| J.6.2 | Socket 1 gang 16 Amps | No. | 15 | |
| J.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 16 | |
| **(IV)** | **Above False Ceiling** | | | |
| J.7 | **Lower Ground Floor** | | | |
| J.7.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 4 | |
| J.7.2 | Switched Socket 1 gang 13 Amps for fresh air fan | No. | 1 | |
| J.7.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 2 | |
| J.7.5 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 1 | |
| J.7.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 1 | |
| J.8 | **Ground Floor** | | | |
| J.8.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 8 | |
| J.8.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| J.8.5 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 2 | |
| J.8.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| J.8.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 4 | |
| J.8.8 | Switched Socket 1 gang 13 Amps for Motorised Awning | No. | 1 | |
| J.8.9 | Switched Socket 1 gang 13 Amps for Air Curtain | No. | 2 | |
| **K.** | **LUMINAIRES** | | | |
| K.1 | **Lower Ground Floor** | | | |
| K.1.1 | Type 1 (a) | No. | 20 | |
| K.1.2 | Type 2 | No. | 4 | |
| K.1.3 | Type 3 (a) | No. | 11 | |
| K.1.5 | Type EM-1 | No. | 3 | |
| K.1.6 | Type EM-2 | No. | 7 | |
| K.1.8 | Type EM-4 | No. | 1 | |
| K.1.9 | Type EM-5 | No. | 1 | |
| K.2 | **Ground Floor** | | | |
| K.2.1 | Type 1 (a) | No. | 18 | |
| K.2.3 | Type 3 (a) | No. | 14 | |
| K.2.4 | Type 4 (a) | No. | 6 | |
| K.2.6 | Type EM-1 | No. | 6 | |
| K.2.7 | Type EM-2 | No. | 5 | |
| K.3 | **External** | | | |
| K.3.1 | Type 3 (b) | No. | 5 | |
| K.3.2 | Type 5 | No. | 7 | |
| **L.** | **UPS** | | | |
| L.1 | Double online conversion 6 kVA UPS (single phase in, single phase out). | No. | 1 | |
| L.2 | | | | |

## Fire Alarm Installations

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **A.** | **FIRE ALARM PANEL** | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 |
| | supply, 72 hr battery backup, on board printer,etc… | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | |
| B.1 | **Lower Ground Floor** | | |
| B.1.1 | Smoke detector | No. | 6 |
| B.1.2 | Heat Detector | No. | 2 |
| B.1.3 | Manual call point | No. | 1 |
| B.1.4 | Electronic Sounder | No. | 1 |
| B.2 | **Ground Floor** | | |
| B.2.1 | Smoke detector | No. | 8 |
| B.2.3 | Manual call point | No. | 2 |
| B.2.4 | Electronic Sounder | No. | 2 |
| **C.** | **LIAISON WITH FIRE SERVICES - For site visit for Fire Certificate application** | | |

## AC & Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | % |
|---|---|---|---|---|
| **B.** | **TOILET EXTRACTION** | | | |
| B.1 | Inline extract Fan similar to Aldes Inline XPRO Models | | | |
| | (i) 160m³/h at 100Pa (XPRO 160) | No. | 1 | |
| B.3 | Circular G/S ducts (Spiral Type) | | | |
| | (i) 100mm | m | 8 | |
| | (ii) 160mm | m | 1 | |
| **C.** | **FRESH AIR SUPPLY** | | | |
| C.1 | Inline extract Fan similar to Aldes Inline XPRO Models | | | |
| | (i) 160m³/h at 100Pa (Xsilent 160) | No. | 1 | |
| C.2 | Flexible connection at inlet and outlet of Fan | Lot | 1 | |
| C.3 | Circular G/S ducts (Spiral Type) | | | |
| | (i) 100mm | m | 10 | |
| | (ii) 160mm | m | 4 | |
| C.4 | Automatic Flow Regulators | | | |
| | Dia 100mm (Similar to Aldes MR Modulo) | No. | 3 | |
| **D.** | **VRF INDOOR UNITS AND ACCESSORIES** | | | |
| D.1 | Silent VRF air conditioning unit, installed flush to false ceilings. | | | |
| | 4 way diagonal air discharge flow, | | | |
| | wireless remote control low noise, 3 fan speed, built in high speed | | | |
| | drain pump, 230V, 50Hz (Single Phase) c/w power cables, G/S | | | |
| | supports. Easily removable centre grille with washable filter. Motorized | | | |
| | Flaps Direct Expansion Type Evaporator. | | | |
| D.1.1 | 3.6 kW (compact cassette) | No. | 2 | |
| D.1.2 | 5.6 kW (compact cassette) | No. | 5 | |
| D.1.3 | 5.6 kW (compact cassette) | No. | 3 | |
| **E.** | **VRF OUTDOOR UNITS AND ACCESSORIES** | | | |
| | Outdoor mini VRF unit (variable refrigerant flow system) with DC | | | |
| | Inverter Scroll compressor fully insulated c/w with ventilation fans, air | | | |
| | cooled condensers, seamless copper tubings with aluminium fins. | | | |
| | Epoxy coating on fins. Fan guards to have UV resistant PVC coating. | | | |
| | Weather protected g/s panelling with anti-corrosion paint compressors | | | |
| | installed on anti-vibration bases, low noise level, rapid and precise | | | |
| | adjustment of capacities. Fully electronic Control. (Side Blow) | | | |
| | Refrigerant: R410A. | | | |
| | Power: 400V, 3ph, 50Hz. | | | |
| | Outdoor units located at Ground Floor Capacity: | | | |
| E.1 | 17 kW | No. | 2 | |
| E.2 | Brackets for fixing of VRF Outdoor Units on wall | No. | 2 | |
| | (Galvanized Metal Brackets c/w rubber pads) | | | |
| **I.** | **CONDENSATE DRAIN PIPING AND ACCESSORIES** | | | |
| I.1 | uPVC pipe PN6, solvent welded joints and fittings c/w reduction | | | |
| | sections, elbows, tees etc. (Complete installations) c/w with 9 mm | | | |
| | armaflex insulation - Inspection only | | | |
| I.1.1 | (25 mm) from each indoor unit | m | 35 | |
| I.1.2 | (40 mm) from collection of indoor units | m | 40 | |
| **J.** | **SPLIT AC DC INVERTER TYPE AT SERVER / ATM ROOMS** | | | |
| J.1 | Wall mounted DC inverter type split air conditioning system | | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz. | | | |
| J.1.1 | 3.5 kW | No. | 1 | |
| J.1.2 | 5.3 kW | No. | 1 | |
| **L.** | **AIR CURTAINS** | | | |
| L.1 | Air Curtain width 1200mm | No. | 2 | |

## Plumbing & Fire-Fighting Installations

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **A.** | **EXTERNAL WASTE AND SEWER - Inspection and cleaning** | | |
| A.1.1 | Ø63mm (waste pipe) (from building to gully trap) | m | 4 |
| A.1.2 | Ø110mm (sewer pipe) (from building to manholes) | m | 4 |
| **B.** | **COLD WATER SUPPLY** | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | |
| B.1.1 | Ø25/20mm | m | 20 |
| B.1.2 | Ø20/15mm | m | 25 |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 4 |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 2 |
| B.4 | Quarter turn valve in DR Brass,for 32/25 pipe at mains tapoff | No. | 6 |
| B.5 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | |
| B.6 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 |
| B.7 | Non Return Valve Dia 20/15 from CWA to Network to Roof | No. | 1 |
| B.8 | Chrome plated angle valve ½"connection (High Quality) | No. | 13 |
| | (WC/WHB/SINK/provision for water dispenser and janitor) | | |
| B.9 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 9 |
| **C.** | **WATER TANKS** | | |
| C.1 | Roof PE water tank (volume: 1500L) | Lot | 1 |
| | c/w ball cock valve dia 32mm and accessories as per schematic | | |
| C.2 | Ground PE water tank (volume: 450L) | Lot | 1 |
| | c/w ball cock valve dia 32mm and accessories | | |
| C.3 | Supply & Distribution pipes in uPVC PN 16 | | |
| C.3.1 | Ø 32/25mm (from Ground Tank to Distribution Network) | m | 80 |
| **D.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | |
| D.1 | Transfer water pump set, consisting of 1 Nos. centrifugal pumps | Set | 1 |
| | connected in | | |
| | c/w automatic control, 1 Nos. stop | | |
| | valves, 1 Nos. non-return valves Stainless steel parts. c/w | | |
| | Anti-vibration mounting pads. Power Supply: Single phase,230V, | | |
| | 50 Hz IP55 Class F Capacity per pump = 3m³/h @ 25m | | |
| D.2 | Float level switch for dry running control of pump set, non-mercury | Lot | 2 |
| | type, 230V, 50Hz c/w power & control cabling and PVC sleeves | | |
| | (Dry Run protection at ground level tank and High Level Sensor | | |
| | at Roof Tank) Pump operates when Roof Tank is 70% and stop | | |
| | when filled at 90% | | |
| **E.** | **WASTE AND SEWER Inspection and Cleaning** | | |
| E.1 | uPVC pipe, solvent welded, diameter | | |
| E.1.1 | 40mm PN6 (WHB Discharge) | m | 4 |
| E.1.2 | 50mm PN10 (Sink & floor drain discharge) | m | 15 |
| E.1.3 | 63mm PN6 (Waste collection) | m | 20 |
| E.1.4 | 110mm PN6 (Sewer + Vertical Vent to roof level) | m | 20 |
| E.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | Lot | 1 |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. (ALL DIMENSIONS | | |
| | FOR COMPLETE INSTALLATION) | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 |
| | COMPLETE INSTALLATION of sewer and waste pipes | | |
| E.4 | P traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 |
| E.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 4 |
| E.6 | **PVC Vent cowl** | | |
| E.6.1 | Dia 110mm on sewer pipe | No. | 1 |
| E.6.2 | Dia 75mm on main waste pipe | No. | 1 |
| E.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 6 |
| | approval) | | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | |
| F.1.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet washer | No. | 3 |
| F.1.2 | WHB, c/w tap,, flexible pipes | No. | 4 |
| F.1.3 | Kitchen sink, c/w tap, flexible pipes | No. | 1 |
| F.1.4 | Mop sink at Janitor, c/w tap, flexible pipes | No. | 1 |
| F.1.5 | Bib Tap with SS Handle (Supply and Fix) (1/2") (External) | No. | 3 |
| **G.** | **FIRE EXTINGUISHERS** | | |
| | bottle type fire extinguishers similar to S.R.I model: | | |
| G.1 | 2 kg $CO_2$ type | No. | 6 |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 |

**SIBM CUREPIPE**

**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device "SPD" with surge rating Imax = 100 KA, | No. | 1 | |
| | Up/voltage Protection Level 1.0KV and complete with in built fuse | | | |
| | & enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer's recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| A.3 | Surge Reduction Filter 3Ø 400V 63A Type 2 (UPS 30KVA) | No. | 1 | |
| A.4 | Surge Reduction Filter 1Ø 230V 40A Type 2 (UPS 6KVA) | No. | 1 | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution board/s c/w main isolator, switchgears, contactors, cabling | | | |
| | accessories, distribution blocks, outgoing terminals, busbars and engraved labels. All DBs | | | |
| | are per schematic drawings and specifications and include 30% spare capacity. | | | |
| C.1 | MLVP (MDB-Essential) | No. | 1 | |
| C.2 | DB GF | No. | 1 | |
| C.3 | DB 1F | No. | 1 | |
| C.4 | DB 2F | No. | 1 | |
| C.5 | DB Pump | No. | 1 | |
| C.6 | DB UPS (IN)1 | No. | 1 | |
| C.7 | DB UPS (OUT)1 | No. | 1 | |
| C.8 | SDB UPS GF | No. | 1 | |
| C.9 | SDB UPS 1F | No. | 1 | |
| C.10 | DB UPS (IN)2 | No. | 1 | |
| C.11 | DB UPS (OUT)2 | No. | 1 | |
| C.12 | SDB UPS 2F | No. | 1 | |
| C.13 | DB UPS (IN)3 | No. | 1 | |
| C.14 | DB UPS (OUT)3 | No. | 1 | |
| C.15 | DB ROOF *(contactor replaced by mbts)* | No. | 1 | |
| C.17 | Enclosure for Incoming CEB Breaker and Isolator | | | |
| | MCCB complete with waterproof enclosure (IP55): | | | |
| C.17.1 | MCCB 4P 400A (For incoming CEB breaker) | No. | 1 | |
| C.17.2 | Isolator 4P 25A (For VRV Outdoor Unit) | No. | 6 | |
| C.17.3 | Isolator 2P 20A (For extraction system) | No. | 0 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | conduits and proprietary boxes for concealed or surface | | | |
| | wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **1C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **1C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand-dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 136 | |
| F.1.2 | Switch point | No. | 22 | |
| F.1.3 | PIR detector point | No. | 3 | |
| F.1.4 | Socket point | No. | 152 | |
| F.1.5 | USB socket point | No. | 3 | |
| F.1.6 | Split AC unit point | No. | 2 | |
| F.1.7 | VRV AC Indoor Unit point | No. | 15 | |
| F.1.8 | Fan point | No. | 2 | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 220 | |
| F.2.2 | Switch point | No. | 21 | |
| F.2.3 | PIR detector point | No. | 8 | |
| F.2.4 | Socket point | No. | 134 | |
| F.2.5 | Split AC unit point | No. | 1 | |
| F.2.6 | VRV AC Indoor Unit point | No. | 18 | |
| F.2.7 | Fan point | No. | 2 | |
| F.2.8 | Hand Dryer point | No. | 2 | |
| F.2.9 | HDMI Cabling | | | |
| F.2.9.1 | Allow for HDMI cabling from TV Screen in meeting rooms to | No. | 1 | |
| | meeting table. | | | |
| F.3 | **Second Floor** | | | |
| F.3.1 | Light point | No. | 143 | |
| F.3.2 | Switch point | No. | 1 | |
| F.3.3 | PIR detector point | No. | 30 | |
| F.3.4 | Socket point | No. | 14 | |
| F.3.5 | Split AC unit point | No. | 1 | |
| F.3.6 | VRV AC Indoor Unit point | No. | 19 | |
| F.3.7 | Fan point | No. | 2 | |
| F.3.8 | Hand Dryer point | No. | 2 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | all electrical accessories, proprietary back boxes, clip-on brackets, support frames, cover | | | |
| | plates and other accessories required for recessed/surface mounting where applicable. | | | |
| **G.1** | **Ground Floor** | | | |
| | Recessed Installation | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 8 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 3 | |
| G.1.3 | Switch 2 gang 1 way | No. | 3 | |
| G.1.4 | Switch 2 gang consisting of 1 No.1 Way and 1 No. 2 way switch | No. | 1 | |
| G.1.5 | PIR Motion Detector with lighting management | No. | 3 | |
| G.1.6 | Switch Panel. | | | |
| G.1.6.1 | Reinforced polyester enclosure with lock/key and 7 Nos switches 1 gang 1 way with corresponding | Lot | 1 | |
| G.1.6.2 | Switch 1 gang, 1 way, 10 Amps | No. | 7 | |
| **G.2** | **First Floor** | | | |
| | Recessed Installation | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 8 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| G.2.3 | Switch 2 gang 1 way | No. | 5 | |
| G.2.4 | Switch 2 gang consisting of 1 No. 1 way and 1 universal push button dimmer | No. | 1 | |
| G.2.5 | Switch 3 gang 1 way | No. | 5 | |
| G.2.6 | PIR Presence Detector with dual technology | No. | 1 | |
| G.2.7 | PIR Motion Detector with lighting management | No. | 7 | |
| G.2.8 | Hand Dryer | No. | 2 | |
| **G.3** | **Second Floor** | | | |
| | Recessed Installation | | | |
| G.3.1 | Switch 1 gang 1 way, 10A | No. | 1 | |
| G.3.2 | PIR Presence Detector with dual technology | No. | 20 | |
| G.3.3 | PIR Motion Detector with lighting management | No. | 10 | |
| G.3.4 | Hand Dryer | No. | 2 | |
| **H.** | **POWER POLES** | | | |
| **H.1** | **Ground Floor** | | | |
| H.1.4 | Mini column/Power pole - 2 compartments (height 0.68m) | No. | 6 | |
| H.1.5 | Rectangular column/ Power pole - 2 compartments (height 3.5m) | No. | 2 | |
| **H.2** | **First Floor** | | | |
| H.2.4 | Mini column/Power pole - 2 compartments (height 0.68m) | No. | 14 | |
| H.2.5 | Rectangular column/ Power pole - 2 compartments (height 3.5m) | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| **I.1** | **Ground Floor** | | | |
| I.1.1 | On Partition | | | |
| I.1.1.1 | Switched Socket 1 gang 13 Amps | No. | 11 | |
| I.1.1.2 | Socket RJ45 Cat 6a, 1 gang | No. | 3 | |
| I.1.1.3 | Socket 2 gang 13 Amps | No. | 8 | |
| I.1.1.4 | Socket 2 gang 13 Amps & 16 Amps | No. | 1 | |
| I.1.2 | On Blockwall | | | |
| I.1.2.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.1.2.2 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.1.2.3 | Socket 2 gang 13 Amps & 16 Amps | No. | 1 | |
| I.1.3 | On Trunking | | | |
| I.1.3.1 | Switched Socket 1 gang 13 Amps | No. | 62 | |
| I.1.3.2 | Socket 1 gang 16 Amps | No. | 44 | |
| I.1.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 43 | |
| I.1.3.4 | USB Socket | No. | 3 | |
| I.1.4 | Above False Ceiling | | | |
| I.1.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 17 | |
| I.1.4.2 | Switched Socket 1 gang 13 Amps for fresh air fan | No. | 1 | |
| I.1.4.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.1.4.4 | Socket RJ45, Cat 6a, 1 gang for WiFi Access Point | No. | 3 | |
| I.1.4.5 | Switched Socket 1 gang 13 Amps for access control | No. | 13 | |
| I.1.4.6 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 3 | |
| **I.2** | **First Floor** | | | |
| I.2.1 | On Partition | | | |
| I.2.1.1 | Switched Socket 1 gang 13 Amps | No. | 12 | |
| I.2.1.2 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.2.1.3 | Socket 2 gang 13 Amps | No. | 1 | |
| I.2.1.4 | Socket 2 gang 13 Amps & 16 Amps | No. | 2 | |
| I.2.1.5 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 9 | |
| I.2.1.6 | HDMI Socket | No. | 1 | |
| I.2.2 | On Blockwall | | | |
| I.2.2.1 | Switched Socket 1 gang 13 Amps | No. | 1 | |
| I.2.3 | On Trunking | | | |
| I.2.3.1 | Switched Socket 1 gang 13 Amps | No. | 65 | |
| I.2.3.2 | Socket 1 gang 16 Amps | No. | 39 | |
| I.2.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 43 | |
| I.2.4 | On Writing Desk & Meeting Table | | | |
| | **Pop-up box type 1 shall be 6 modules one and equipped with** | | | |
| | **1xHDMI + 1X13A switched + 1X16A + 1XRJ45 sockets.** | | | |
| | **Similar to Legrand Arteor, magnesium finish with soft alu plate or equivalent.** | | | |
| I.2.4.1 | Pop-up box Type 1 | No. | 1 | |
| I.2.5 | Above False Ceiling | | | |
| I.2.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 19 | |
| I.2.5.2 | Switched Socket 1 gang 13 Amps for fresh air fan | No. | 1 | |
| I.2.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.2.5.4 | Socket RJ45, Cat 6a, 1 gang for WiFi Access Point | No. | 4 | |
| I.2.5.5 | Switched Socket 1 gang 13 Amps for access control | No. | 3 | |
| I.2.5.6 | Switched Socket 1 gang 13 Amps for automatic door | No. | 1 | |
| **I.3** | **Second Floor** | | | |
| I.3.1 | On Partition | | | |
| I.3.1.1 | Socket 2 gang 13 Amps | No. | 2 | |
| I.3.1.2 | Legrand Arteor switches White instead of Magnesium/Soft Alu | | | |
| I.3.2 | On Trunking | | | |
| I.3.2.1 | Switched Socket 1 gang 13 Amps | No. | 7 | |
| I.3.2.2 | Socket 1 gang 16 Amps | No. | 4 | |
| I.3.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.3.3 | Above False Ceiling | | | |
| I.3.3.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 20 | |
| I.3.3.2 | Switched Socket 1 gang 13 Amps for fresh air fan | No. | 1 | |
| I.3.3.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.3.3.4 | Socket RJ45, Cat 6a, 1 gang for WiFi Access Point | No. | 4 | |
| I.3.3.5 | Switched Socket 1 gang 13 Amps for access control | No. | 1 | |
| | | No. | 1 | |
| | Switched Socket1 gang 13 Amps (for WiFi Access point) | No. | 1 | |
| | Socket 1 gang 16 Amps (for WiFi Access point) | | | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| J.1 | **Ground Floor** | | | |
| J.1.1 | Type 1 recessed | No. | 16 | |
| J.1.2 | Type 2 surface | No. | 9 | |
| J.1.3 | Type 3 (Type 3a & 3b) | No. | 82 | |
| J.1.4 | Type 4a (Pendant) | No. | 13 | |
| J.1.5 | Type EM-1 | No. | 6 | |
| J.1.6 | Type EM-2 | No. | 8 | |
| J.1.7 | Type EM-3 | No. | 2 | |
| J.2 | **First Floor** | | | |
| J.2.1 | Type 1 | No. | 60 | |
| J.2.2 | Type 2 | No. | 10 | |
| J.2.3 | Type 3 | No. | 117 | |
| J.2.4 | Type 4 | No. | 12 | |
| J.2.5 | Type EM-1 | No. | 15 | |
| J.2.6 | Type EM-2 | No. | 4 | |
| J.2.7 | Type EM-3 | No. | 2 | |
| J.3 | **Second Floor** | | | |
| J.3.1 | Type 1 | No. | 117 | |
| J.3.2 | Type 2 | No. | 2 | |
| J.3.3 | Type 3 | No. | 12 | |
| J.3.4 | Type EM-1 | No. | 9 | |
| J.3.5 | Type EM-2 | No. | 2 | |
| J.3.6 | Type EM-3 | No. | 1 | |
| **K.** | **UPS** | | | |
| K.1 | **First Floor** | Lot | 1 | |
| K.1.1 | existing UPS rated 15 KVA (Three phase in, Threen phase out) to the new computer room | | | |
| K.2 | **Second Floor** | | | |
| K.2.1 | UPS 6KVA c/w Battery as | Lot | 1 | |
| | **FIRE ALARM INSTALLATIONS** | | | |
| **A.** | **FIRE ALARM PANEL** | | | |
| A.1 | 4-loop addressable type fire alarm panel c/w associated power supply, 72 hr battery backup, c | No. | 1 | |
| | board printer,etc. | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following | | | |
| | field devices to the corresponding loop/zone | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | Ground Floor | | | |
| B.1.1 | Smoke detector | No. | 15 | |
| B.1.2 | Heat Detector | No. | 0 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | First Floor | | | |
| B.2.1 | Smoke detector | No. | 18 | |
| B.2.2 | Heat Detector | No. | 0 | |
| B.2.3 | Manual call point | No. | 2 | |
| B.2.4 | Electronic Sounder | No. | 2 | |
| B.3 | Second Floor | | | |
| B.3.1 | Smoke detector | No. | 9 | |
| B.3.2 | Heat Detector | No. | 2 | |
| B.3.3 | Manual call point | No. | 2 | |
| B.3.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of Fire Certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during their inspection/visits on site. | Lot | 1 | |
| | **PLUMBING & FIRE FIGHTING INSTALLATIONS** | | | |
| **A.** | **SURVEY** | | | |
| A.1 | Inspect and report on state of existing waste pipes, sewer pipes & cold water supply pipes. | Lot | 1 | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø25/20mm | m | 30 | |
| (ii) | Ø20/15mm | m | 10 | |
| B.2 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 2 | |
| B.5 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.6 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.7 | Chrome plated angle valve ½"connection (High Quality) at wc/whb/sink | No. | 19 | |
| B.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) at wc/whb/ sink | No. | 19 | |
| **C.** | **WASTE & SEWER** | | | |
| C.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (whb discharge) | m | 10 | |
| (ii) | 50mm PN10 (waste collection, sink discharge) | m | 30 | |
| (iii) | 75mm PN10 (waste stack) | m | 25 | |
| (iv) | 110mm PN10 (wc discharge) | m | 25 | |
| C.2 | uPVC fittings, rated to PN6 & PN10. Solvent welded. Reducers, Tees, Elbows, Y-Tees, Rodding | Lot | 1 | |
| | Eyes, etc (ALL DIMENSIONS FOR COMPLETE INSTALLATION) | | | |
| C.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | COMPLETE INSTALLATION of sewer and waste pipes | | | |
| C.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| C.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 10 | |
| C.6 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch approval) | No. | 4 | |
| C.7 | Vent cowls on vent pipe ends Ø75 | No. | 3 | |
| **D.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| D.1 | Take delivery of the following sanitary wares from MC and install & provide plumbing connections | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor | No. | 8 | |
| (ii) | WHB, c/w tap,, flexible pipes | No. | 10 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **E.** | **FIRE EXTINGUISHERS - 6 MONTHLY SERVICING** | | | |
| **E.2** | bottle type fire extinguishers, similar to S.R.I model | | | |
| E.2.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 8 | |
| E.2.2 | 4.0 kg ABC Dry chemical powder type | No. | 8 | |
| **F.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| F.1 | *Equipment Signages* | | | |
| | Fire extinguisher and fire-escape related signage, as per requirements of BS 5499, to be fixed | Lot | 1 | |
| | strategic locations to indicate presence of firefighting equipment, with photoluminescent | | | |
| | characteristics | | | |
| | **HVAC Installations** | | | |
| **ITEM** | **Description** | **Unit** | **Qty** | |
| ***Roof*** | | | | |
| **3.1 GMV Outdoor Units** | | | | |
| 3.1.1 | GMV-335WUA-X | Nos | 1 | |
| 3.1.2 | GMV-224WUA-X | Nos | 1 | |
| 3.1.3 | GMV-335WG-X | Nos | 1 | |
| **Ground Floor** | | | | |
| **3.2 GMV Indoor Units** | | | | |
| 3.2.1 | GMV-ND22T-B-T | Nos | 1 | |
| 3.2.2 | GMV-ND22T-B-T | Nos | 1 | |
| 3.2.3 | GMV-ND22T-B-T | Nos | 1 | |
| 3.2.4 | GMV-ND22T-B-T | Nos | 1 | |
| 3.2.5 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.6 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.7 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.8 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.9 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.10 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.11 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.12 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.13 | GMV-ND36T-B-T | Nos | 1 | |
| 3.2.14 | GMV-ND22T-B-T | Nos | 1 | |
| 3.2.15 | GMV-ND22T-B-T | Nos | 1 | |
| **3.3 First Floor** | | | | |
| **GMV Indoor Units** | | | | |
| 3.3.1 | GMV-ND36T-B-T | Nos | 1 | |
| 3.3.2 | GMV-ND22T-B-T | Nos | 1 | |
| 3.3.3 | GMV-ND22T-B-T | Nos | 1 | |
| 3.3.4 | GMV-ND22T-B-T | Nos | 1 | |
| 3.3.5 | GMV-ND36T-B-T | Nos | 1 | |
| 3.3.6 | GMV-ND22T-B-T | Nos | 1 | |
| 3.3.7 | GMV-ND45T-B-T | Nos | 1 | |
| 3.3.8 | GMV-ND45T-B-T | Nos | 1 | |
| 3.3.9 | GMV-ND36T-B-T | Nos | 1 | |
| 3.3.10 | GMV-ND45T-B-T | Nos | 1 | |
| 3.3.11 | GMV-ND45T-B-T | Nos | 1 | |
| 3.3.12 | GMV-ND45T-B-T | Nos | 1 | |
| 3.3.13 | GMV-ND45T-B-T | Nos | 1 | |
| 3.3.14 | GMV-ND36T-B-T | Nos | 1 | |
| 3.3.15 | GMV-ND22T-B-T | Nos | 1 | |
| 3.3.16 | GMV-ND22T-B-T | Nos | 1 | |
| 3.3.17 | GMV-ND36T-B-T | Nos | 1 | |
| 3.3.18 | GMV-ND36T-B-T | Nos | 1 | |
| SPLIT AC Units | | | | |
| 3.4.1 | EGWH12AAB | Nos | 1 | |
| **Fresh Air Fan / Extractor Fan** | | | | |
| 3.5.1 | Ek Silent 200 | Nos | 1 | |
| 3.5.2 | Ek Line Silent 250 | Nos | 1 | |
| **3.6Second Floor** | | | | |
| GMV Indoor Units | | | | |
| 3.6.1 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.2 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.3 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.4 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.5 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.6 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.7 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.8 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.9 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.10 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.11 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.12 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.13 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.14 | GMV-ND36T-B-T | Nos | 1 | |
| 3.6.15 | GMV-ND36T-B-T | Nos | 1 | |
| **3.7 SPLIT AC Units** | | | | |
| 3.7.1 | TOP18K(A1)HA5 | Nos | 1 | |
| 3.7.2 | TOP18K(A1)HA5 | Nos | 1 | |
| 3.7.3 | TOP18K(A1)HA5 | Nos | 1 | |
| 3.7.4 | TOP18K(A1)HA5 | Nos | 1 | |
| **Fresh Air Fan / Extractor Fan** | | | | |
| 3.8.1 | Ek Line Silent 200 | Nos | 1 | |

## SBM Ebene Branch

### *ELECTRICAL INSTALLATIONS*

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and accessories | | | |
| | for "Shunt" connection of the above (as per manufacturer's | | | |
| | recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| C.5 | SDB VRF AC OOUTDOOR GF | No. | 1 | |
| C.6.1 | 4P 20A (For VRV Outdoor Unit) | No. | 2 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | Include (a) conduits and proprietary boxes for concealed or surface | | | |
| | installation and (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand** | | | |
| | **dryer points.** | | | |
| F.1 | Light point | No. | 200 | |
| F.2 | | No. | 28 | |
| F.3 | PIR detector point | No. | 8 | |
| F.4 | Socket point | No. | 104 | |
| F.5 | USB socket point | No. | 5 | |
| F.6 | VRV indoor AC unit point | No. | 21 | |
| F.7 | Fan point | No. | 1 | |
| F.8 | Allow for connection of existing services in the toilet block to the new | | | |
| | MDB: | | | |
| F.8.1 | Light point | No. | 20 | |
| F.8.2 | Switch point | No. | 4 | |
| F.8.3 | PIR detector point | No. | 4 | |
| F.8.4 | Socket point | No. | 6 | |
| F.8.5 | Hand dryer point | No. | 4 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required | | | |
| | for recessed/surface mounting where applicable. | | | |
| G.1 | Recessed Installation | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 19 | |
| G.1.2 | Switch 2 gang 1 way, 10A | No. | 2 | |
| G.1.3 | Switch 3 gang 1 way, 10A | No. | 1 | |
| G.1.4 | Universal push button dimmer | No. | 6 | |
| G.1.5 | PIR Presence Detector | No. | 3 | |
| G.1.6 | PIR Motion Detector with dual technology | No. | 5 | |
| **H.** | **POWER POLES** | | | |
| H.4 | Rectangular column/ Power pole - 2 compartments (height 3.5m) | No. | 15 | |
| H.5 | Mini column/Power pole - 2 compartments (height 0.68m) | No. | 3 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| I.1 | On Partition | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 19 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 4 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 13 | |
| I.1.4 | USB Socket | No. | 2 | |
| I.1.5 | HDMI Socket | No. | 1 | |
| I.2 | On Blockwall | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 7 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 1 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 3 | |
| I.2.4 | USB Socket | No. | 1 | |
| I.2.5 | HDMI Socket | No. | 0 | |
| I.3 | On Trunking | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 41 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 31 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 41 | |
| I.3.4 | USB Socket | No. | 3 | |
| I.3.5 | HDMI Socket | No. | 2 | |
| I.4 | On Meeting Table | | | |
| | **Pop-up box type 1 shall be 12 modules one and equipped with** | | | |
| | **1xHDMI + 2X13A switched + 2X16A + 2XRJ45 sockets.** | | | |
| I.4.1 | Pop-up box Type 1 | No. | 3 | |
| I.5 | Above False Ceiling | | | |
| I.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 21 | |
| I.5.2 | Switched Socket 1 gang 13 Amps for fresh air fan | No. | 1 | |
| I.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.5.5 | Socket RJ45, Cat 6a, 1 gang for WIFIExtender Point | No. | 4 | |
| I.5.6 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 7 | |
| | **Tellers** | | | |
| | 13A Socket | No | 8 | |
| | **Time Attendance System** | | | |
| | 13A Socket | No | 1 | |
| | **CCTV Monitoring** | | | |
| | 13A Socket | No | 1 | |
| | RJ45 Socket | No | 1 | |
| | 13A switched socket above false ceiling | No | 6 | |
| | **POP-UP boxes (8 Module) in 4 nos. original Meeting Rooms.** | | | |
| | Pop-up Box 8 Module | No | 5 | |
| | Modular 13 Amp Socket | No | 10 | |
| | **POP-UP boxes (4 Module) for tables in banking hall.** | | | |
| | POP UP 4 Module | | 5 | |
| | Modular 13 Amp Socket | | 5 | |
| | Modular Data Socket | | 5 | |
| | Socket | | | |
| | POP UP 4 Module | | 5 | |
| | Modular 13 Amp Socket | | 5 | |
| | Modular Data Socket | | 5 | |
| **J.** | **LUMINAIRES** | | | |
| | **Light Fittings** | | | |
| | Type L01 | m | 10 | |
| | | No | 11 | |
| | Type L02 | No | 99 | |
| | Type L03 | No | 6 | |
| | Type L05 | m | 10 | |
| | | No | 1 | |
| | | No | 1 | |
| | | No | 1 | |
| | Type L06 | No | 29 | |
| J.1 | Type L06a | No | 12 | |
| J.2 | Type EM-1 | No | 11 | |
| J.3 | Type EM-2 | No | 5 | |
| | L02 Recessed Downlight | No | 4 | |
| | PIR Motion Detectors | No | 2 | |
| **K.** | **UPS** | | 1 | |
| K.1 | 1 no. UPS rated 15 kVA (3 phase in, 3 phase out) and | No | | |
| | 1 no. SRF rated 4P 63A from Client and install. Allow for all necessary | No | | |
| | interconnecting cables. | | | |
| | **SDB UPS** | | 1 | |
| | | | 1 | |
| | RCBO 1P+N 16A 30mA for 'External ATM' | No | | |
| | RCBO 1P+N 16A 30mA for "ATM Lobby' | No | | |

### FIRE ALARM INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| | **Notes:** | | | |
| | **(i) fire alarm system is compatible to the existing analogue** | | | |
| | **addressable fire alarm system for the whole building of make** | | | |
| | **Apollo.** | | | |
| | **(ii) Connection to existing fire alarm system is done via loop** | | | |
| | **available on the floor.** | | | |
| **A.** | **REPEATER FIRE ALARM PANEL - Inspection and report any faults to** | | | |
| | **third party contractor** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, | No. | 1 | |
| | 72 hr battery backup, on board printer,etc… | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| B.1 | Smoke detector | No. | 21 | |
| B.2 | Heat Detector | No. | 0 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of Fire Certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during their inspection/visits | Lot | 1 | |
| | on site. | | | |

### Air Conditioning and Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **B.** | **Fresh Air Intake** | | | |
| B.1 | Centrifugal Fan with acoustic insulation to be installed inline | | | |
| | to G/s Duct,230V 50Hz. Low noise : 37dBA at 4m | | | |
| | (Similar to Aldes Xsilent series) | | | |
| B.1.1 | Ground Floor | | | |
| | (i) 440 m³/hr at 150Pa (Xsilent 200) | No. | 1 | |
| B.6 | Automatic Regulating Dampers (Flow rate specified on Drawing) | | | |
| | (Similar to Aldes MR Modulo) | | | |
| | (i) Ø100 | No. | 12 | |
| B.10 | Transfer grille, mounted on door, aluminium construction, colour to | No. | 1 | |
| | Arch. approval (Similar to Aldes AC 181) | | | |
| | (i) Size 200 x 150, rated 100 m3/hr | | | |
| **C.** | **Toilet Extraction at Ground Floor** | | | |
| | Circular aluminium grille with horizontal fins c/w G/S duct connection | | | |
| | to fan. (Similar to Aldes AR 637 SERIES, anodised aluminium finish) | | | |
| | Dimensions: | | | |
| | (i) Φ 200mm | No. | 2 | |
| **D.** | **VRF Indoor Units and Accessories** | | | |
| D.1 | Cassette type VRF air conditioning unit, installed flush to false | | | |
| | ceilings 600x600mm panels or flush plastered panels. Aesthetic | | | |
| | good looking model, 4 way diagonal air discharge flow, wireless | | | |
| | remote control low noise, 3 fan speed, built in high speed drain | | | |
| | pump, 230V, 50Hz (Single Phase) c/w power cables, G/S supports | | | |
| | Easily removable centre grille with washable filter. Motorized Flaps | | | |
| | Direct Expansion Type Evaporator. (Power Point to be provided | | | |
| | under the Electrical Lot) | | | |
| D.1.1 | Ground Floor | | | |
| (i) | 3.6kW (Compact) | No. | 11 | |
| (ii) | 4.5kW (Compact) | No. | 1 | |
| (iii) | 5.6kW | No. | 7 | |
| **E.** | **VRF Outdoor Units and Accessories** | | | |
| | Outdoor unit (variable refrigerant flow system) with DC Inverter Scroll | | | |
| | compressor fully insulated c/w with ventilation fans, air cooled | | | |
| | condensers, seamless copper tubings with aluminium fins. Epoxy | | | |
| | coating on fins. Fan guards to have UV resistant PVC coating. | | | |
| | Weather protected g/s panelling with anti-corrosion paint compressors | | | |
| | installed on anti-vibration bases, low noise level, rapid and precise | | | |
| | adjustment of capacities. Fully electronic Control. | | | |
| | Refrigerant: R410A | | | |
| | Power: 400V, 3ph, 50Hz. | | | |
| | (All Outdoor units to be located at Roof Level) | | | |
| | Cooling Capacity: | | | |
| E.1 | Ground Floor | | | |
| (i) | 45 kW(Outdoor Unit A) | No. | 1 | |
| (ii) | 45 kW(Outdoor Unit B) | No. | 1 | |
| **I.** | **Condensate Drain Piping and Accessories -Inspection** | | | |
| I.1 | uPVC pipe PN6, solvent welded joints and fittings c/w reduction | | | |
| | sections, elbows, tees etc. (Complete installations) c/w with 9mm | | | |
| | armaflex insulation | | | |
| | ALL FLOORS | | | |
| I.1.1 | (25 mm) from each indoor unit | m | 110 | |
| I.1.2 | (40 mm) from collection of indoor units | m | 75 | |
| **J.** | **SPLIT AC DC INVERTER TYPE AT SERVER and ATM ROOM** | | | |
| J.1 | Wall mounted type DC inverter type split air conditioning system c/w | | | |
| | indoor and and outdoor units R410a refrigerant, 3 fan speed, silent | | | |
| | type, wireless remote control. Outdoor unit to have G/S casing, | | | |
| | black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| | 7 kW (5.0 kW Sensible Cooling) | No. | 4 | |
| **E.** | **FIRE EXTINGUISHERS** | | | |
| | Supply and install on wall brackets, bottle type fire extinguishers, | | | |
| | similar to S.R.I model. | | | |
| E.1 | 5.0 kg $CO_2$ type (similar to S.R.I model). | No. | 4 | |
| E.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |

| SBM FLACQ | Flacq - Boulet Rouge | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | Banking Hall | MCQUAY Split type A/C system 24KBTU | 20500102-01537 | 1 | |
| | | MCQUAY Split type A/C system 24KBTU | 20495102-01530 | 1 | |
| | | MCQUAY Split type A/C system 24KBTU | 220500102-01562 | 1 | |
| | Tellers' area | MCQUAY Split type A/C system 24KBTU | 20500102-01546 | 1 | |
| | CSR counter | MCQUAY Split type A/C system 24KBTU | | 1 | |
| | Computer Room | PANASONIC AIR-CONDITIONING 18KBTU/HR | | 1 | |
| | Mess Room | Trane Wall Mounted 12KBTU | 340570075048426012001 8 | 1 | Maintenance by others |
| | Manager Office | PANASONIC AIR-CONDITIONING 12KBTU/HR | | 1 | |
| Generator | | GENERATOR 30 KVA,MAKE SDMO ,MODEL TM 30. | EEMGENER001813 | 1 | |
| | | Generator Control panel X300 | | 1 | |
| | | Change over panel - G2000 INS/ATS | | 1 | |
| Earthing/Lightning Protection System | | Proline SRF 363 - Protection Device | EEMELEQU001500 | | |
| Lighting | ATM Area (external) | Recess type Lighting fittings for PL econo type | | 2 | |
| | External Areas | Recess type Lighting fittings for PL econo type | | 4 | |
| | Canopy | | | | |
| | Banking Hall (Incl. Back office) | Lighting fitting - 4ft fluorescent tube | | 14 | |
| | Computer Room | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | Corridor to toilet | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Kitchen | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | Manager Office | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Toilet Area | | | | |
| | Vault | Lighting fitting - 2ft fluorescent tube | | 1 | |
| UPS | | UPS MAKE LIEBERT , MODEL AP 415./ APC | CAMUPS**004248 | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16 socket outlet | | 6 | |
| | Teller Counters | 16A socket outlet (French type) | | 12 | |
| | CSR Areas | 16A socket outlet (French type) | | 9 | |
| | Back Office | 16A socket outlet (French type) | | 14 | |
| | Computer Room | 16A socket outlet (French type) | | 6 | |
| | Manager Office | 16A socket outlet (French type) | | 2 | |
| Power System (General socket) | ATM room (internal) | 13A socket outlet (British type) | | 4 | ATM being powered by 13A socket outlet |
| | Banking Hall | 13A socket outlet (British type) | | 1 | |
| | Teller Counters | 13A socket outlet (British type) | | 3 | |
| | Computer Room | 13A socket outlet (British type) | | 4 | |
| | Kitchen | 13A socket outlet (British type) | | 4 | |
| | Toilet Area | 13A socket outlet (British type) | | 1 | |
| Alarm System | | N/A | | | |
| Fire Fighting | | Fire extinguisher (CO2 - 2.5Kg) | | 1 | |
| CCTV System | | N/A | | | |
| Signage system | Main entrance Area | SBM NEON LETTERINGS + ALUCOBOND BACKING | | 1 | |
| | ATM area | SBM CASH - DOUBLE SIDED | | 1 | |
| | Roof | N/A | | | |
| Microwave | Kitchen | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 360lt - IGNIS | | 1 | |
| Hand Dryer | Toilet Area | IGNA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin | | 1 | |
| | Kitchen | Sink | | 1 | |
| | Water Pump | Davey pump - Domestic booster pump | | 1 | |
| | Water Tank | | | 1 | |
| Power Distribution unit | Non essential | Isolator 63A - 4P | | 1 | |
| | | Circuit breaker 32A - 2P | | 4 | A/C units |
| | | Circuit breaker 25A - 2P | | 2 | A/C unit |
| | | Circuit breaker 25A - 2P | | 1 | Water pump |
| | | Circuit breaker 20A - 2P | | 1 | Ext light |
| | | Timer & Contactor 16A - 2P | | 1 | Found in ATM Room |
| | Essential | Circuit breaker 40A - 4P | | 1 | |
| | | Circuit breaker 5A | | 3 | |
| | | Circuit breaker 10A - 2P | | 2 | |
| | | Circuit breaker 15A - 2P | | 2 | |
| | | Circuit breaker 20A - 2P | | 4 | |
| | | Circuit breaker 32A - 2P | | 1 | Supply to UPS |
| | | Circuit breaker 32A - 2P | | 1 | |
| | UPS panel | Circuit breaker 63A | | 2 | Output & Bypass UPS |
| | | Circuit breaker 10A - 2P | | 2 | CCTV |
| | | Circuit breaker 16A - 2P | | 2 | ATM |
| | | Circuit breaker 16A - 2P | | 4 | Counter |
| | | Circuit breaker 20A - 2P | | 3 | |

| SBM Service Unit: | Fond du Sac | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | ATM Room | Trane - 12KBTU - Wall type | 240387855017712012 0059 | 1 | Maintenance by others |
| | BANKING HALL | MIDEA - 36KBTU - CEILING TYPE | 2414034451178040160003 | 1 | Maintenance by others |
| | | MIDEA - 36KBTU - CEILING TYPE | 2414034451178040160007 | 1 | Maintenance by others |
| | | MCQUAY - 30KBTU - | 20500102-01556 | 1 | |
| | Manager Office | Trane - 12KBTU - Wall type | 240387855017712012 0022 | 1 | Maintenance by others |
| Generator | | GENERATORS - CGM10BE_MANUAL_WHEELS | 16703/18 | 1 | Maintenance by others |
| Line Voltage Monitor | | | | | |
| Lighting | ATM Area (external) | Hublot type lighting diffuser for econo type bulb | | 1 | |
| | ATM room (internal) | Lighting fitting - 2ft fluorescent tube | | 1 | |
| | External Areas | Lighting fitting - 4ft fluorescent tube | | 3 | |
| | Banking Hall | 2 x lighting fitting c/w diffuser - 4ft fluorescent tube | | 8 | |
| | Computer Room | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Corridor | 2 x lighting fitting c/w diffuser - 4ft fluorescent tube | | 1 | |
| | Kitchenette area | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | Manager Office | 2 x lighting fitting c/w diffuser - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting fluorescent tube 2ft | | 3 | 1 no. in toilet corridor |
| | Vault | Lighting fitting - 4ft fluorescent tube | | 1 | |
| UPS | | UPS 6.0 KVA POWERWARE PW 9120 | RU 466A0086 | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 2 | |
| | Teller Counters | 16A socket outlet (French type) | | 3 | |
| | CSR Areas | 16A socket outlet (French type) | | 9 | |
| | Computer Room | 16A socket outlet (French type) | | 8 | |
| | Manager Office | 16A socket outlet (French type) | | 3 | |
| Power System (General socket) | Banking Hall | 13A socket outlet (British type) | | 3 | |
| | Teller Counters | 13A socket outlet (British type) | | 2 | |
| | CSR Areas | 13A socket outlet (British type) | | 3 | |
| | Corridor (Behind Tellers area) | 13A socket outlet (British type) | | 1 | |
| | Kitchen | 13A socket outlet (British type) | | 3 | |
| | Manager Office | 13A socket outlet (British type) | | 1 | |
| | Toilet Area | 13A socket outlet (British type) | | 2 | For pump & Hand dryer |
| Alarm System | | N/A | | | |
| CCTV System | | N/A | | | |
| Fire Fighting | | Fire extinguishers (Co2 - 2.5Kg) | | 2 | |
| Sign Board | External Area | SBM NEON LETTERINGS + ALUCOBOND BACKING | | 1 | |
| | ATM area | POST MOUNTED ATM SIGN | | 1 | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| Hand Dryer | Toilet Area | INDA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin with Pedestal | | 1 | |
| | Kitchen Area | Sink | | 1 | |
| Earthing/Lightning Protection System | | Proline SRF 363 (3 phased) | EEMELEQU001616 | 1 | |
| Power Distribution unit | Essential panel | Main breaker 4P - 32A | | 1 | |
| | | Circuit breaker -15A | | 4 | Lighting & socket outlet |
| | | Circuit breaker - 20A | | 1 | |
| | | Circuit breaker - 25A | | 2 | |
| | | Circuit breaker - 2P - 32A | | 1 | Supply to UPS |
| | Non essential panel | Main isolator - 4P - 63A | | 1 | |
| | | Circuit breaker - 2P - 32A | | 3 | For a/c units |
| | | Circuit breaker - 2P - 25A | | 1 | Socket kitchen area |
| | | Circuit breaker - 2P - 25A | | 1 | Timer circuit |
| | | Contactor & Timer - 2P -25A | | 1 | |
| | UPS panel | Main breaker 2P - 32A | | 2 | Input & Output UPS |
| | | Circuit breaker 2P - 16A | | 7 | |
| | | Circuit breaker 2P - 25A | | 1 | |
| | | Circuit breaker 2P - 10A | | 2 | For CCTV |

# REFURBISHMENT OF SBM GOODLANDS BRANCH

## ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | 1pVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| A.3 | Surge Reduction Filter 1Ø 230V 16A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, | | | |
| | switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, | | | |
| | outgoing | | | |
| | terminals, busbars and engraved labels. DBs to be as | | | |
| | per | | | |
| | schematic drawings and specifications and include 30% | | | |
| | spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | SDB 1F | No. | 1 | |
| C.3 | DB UPS IN | No. | 1 | |
| C.4 | DB UPS OUT | No. | 1 | |
| C.5 | SDB UPS | No. | 1 | |
| C.7 | DB Changeover | Lot | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | surface | | | |
| | installation and (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring as follows.** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 129 | |
| F.1.2 | Switch point | No. | 14 | |
| F.1.3 | PIR detector point | No. | 1 | |
| F.1.4 | Socket point | No. | 128 | |
| F.1.5 | USB socket point | No. | 0 | |
| F.1.6 | Split AC unit point | No. | 11 | |
| F.1.7 | Fan point | No. | 0 | |
| F.1.8 | HDMI Cabling | | | |
| | Allow for HDMI cabling from TV Screen in meeting rooms to | No. | 0 | |
| | meeting table. | | | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 91 | |
| F.2.2 | Switch point | No. | 12 | |
| F.2.3 | PIR detector point | No. | 5 | |
| F.2.4 | Socket point | No. | 70 | |
| F.2.5 | USB socket point | No. | 0 | |
| F.2.6 | Split AC unit point | No. | 8 | |
| F.2.7 | Hand Dryer point | No. | 2 | |
| F.2.8 | Fan point | No. | 1 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | include for all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where | | | |
| | applicable. | | | |
| (i) | **Recessed Installation** | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way , 10A | No. | 3 | |
| G.1.5 | PIR Presence Detector | No. | 1 | |
| G.2 | **First Floor** | | | |
| G.2.1 | Switch 1 gang 1 way , 10A | No. | 3 | |
| G.2.5 | PIR Presence Detector | No. | 4 | |
| G.2.6 | PIR Motion Detector with dual technology | No. | 1 | |
| (ii) | **On Trunking** | | | |
| G.3 | **Ground Floor** | | | |
| G.3.1 | Switch 1 gang 1 way , 10A | No. | 10 | |
| G.3.2 | Switch 1 gang 2 way , 10A | No. | 1 | |
| G.4 | **First Floor** | | | |
| G.4.1 | Switch 1 gang 1 way , 10A | No. | 8 | |
| G.4.2 | Switch 2 gang consisting of 1 gang 2 way , 10A & 1 gang 1 way , 10A | No. | 1 | |
| G.5.1 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | accessories (clip-on support, frames, etc.) mounting | | | |
| | power sockets onto trunkings, blockwall & partition. | | | |
| (i) | **On Partition** | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.1.2 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.2 | **First Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.4 | **First Floor** | | | |
| I.4.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.4.2 | Socket 1 gang 16 Amps | No. | 1 | |
| (iii) | **On Trunking** | | | |
| I.5 | **Ground Floor** | | | |
| I.5.1 | Switched Socket 1 gang 13 Amps | No. | 44 | |
| I.5.2 | Socket 1 gang 16 Amps | No. | 30 | |
| I.5.3 | Socket RJ45 Cat 6a, 1 gang | No. | 32 | |
| I.6 | **First Floor** | | | |
| I.6.1 | Switched Socket 1 gang 13 Amps | No. | 16 | |
| I.6.2 | Socket 1 gang 16 Amps | No. | 11 | |
| I.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 18 | |
| I.6.5 | HDMI Socket | No. | 1 | |
| (iv) | **On Meeting Table** | | | |
| | **Pop-up box type 1 shall be 7 modules and equipped with** | | | |
| | **2x13A switched + 2x16A switched + 2xRJ45 sockets + 1xHDMI** | | | |
| I.8 | **First Floor** | | | |
| I.8.1 | Pop-up box Type 1 | No. | 1 | |
| (v) | **Above False Ceiling** | | | |
| I.9 | **Ground Floor** | | | |
| I.9.1 | Double pole switch 20 Amps with LED indicator for AC. | No. | 11 | |
| I.9.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.9.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 3 | |
| I.9.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| I.10 | **First Floor** | | | |
| I.10.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 8 | |
| I.10.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.10.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| | Supply, install, test & commission the luminaires. | | | |
| J.1 | **Ground Floor** | | | |
| J.1.1 | Type 1 (a) | No. | 23 | |
| J.1.2 | Type 2 | No. | 10 | |
| J.1.3 | Type 3 (a) | No. | 57 | |
| J.1.4 | Type 3 (b) | No. | 2 | |
| J.1.5 | Type 4 (a) | No. | 12 | |
| J.1.6 | Type 5 | No. | 6 | |
| J.1.7 | Type EM-1 | No. | 12 | |
| J.1.8 | Type EM-2 | No. | 2 | |
| J.1.10 | Type EM-4 | No. | 3 | |
| J.1.11 | Type EM-5 | No. | 2 | |
| J.2 | **First Floor** | | | |
| J.2.1 | Type 1 (a) | No. | 6 | |
| J.2.2 | Type 2 | No. | 3 | |
| J.2.3 | Type 3 (a) | No. | 64 | |
| J.2.4 | Type 3 (b) | No. | 2 | |
| J.2.5 | Type 4 (a) | No. | 5 | |
| J.2.6 | Type 5 | No. | 0 | |
| J.2.7 | Type EM-1 | No. | 9 | |
| J.2.8 | Type EM-2 | No. | 1 | |
| J.2.9 | Type EM-3 | No. | 0 | |
| J.2.10 | Type EM-4 | No. | 1 | |
| J.2.11 | Type EM-5 | No. | 0 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out | Lot | 1 | |
| **L.** | **External lighting services** | | | |
| L.1 | external lights | No. | 15 | |
| **M** | **Event Light points** | | | |
| M.1 | Pass box connections | No. | 2 | |
| **N** | **Vault room Services** | | | |
| N.1 | 1 No. Switch 1 gang 1 way , 10A | No. | 2 | |
| **O** | **Centralized Switching for Open areas** | | | |
| O.1 | switches for lighting circuits L1, L2, L4a, L4b, L5a, L5b and L6a | No. | 7 | |
| O.2 | switches for lighting circuits L2, L4a and L4b | No. | 3 | |
| **P** | **Supply and install 2 Nos. multi standard socket for cleaning purposes.** | | | |
| P.1 | Supply and install RCBO 1P+N20A in MDB | No. | 2 | |

## FIRE ALARM INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply , 72 hr battery backup, on board printer,etc. | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² Fire retardant cables connected the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) Fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 9 | |
| B.1.2 | Heat Detector | No. | 0 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 8 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 1 | |
| B.2.4 | Electronic Sounder | No. | 1 | |
| **C.** | **LIAISON WITH FIRE SERVICES -only during application of Fire certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection's visits on site. | | | |

## Air Conditioning and Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **B.** | **TOILET EXTRACTION** | | | |
| (i) | **First Floor** | | | |
| B.1 | Disc valve, circular type with adjustable centre cone fixed | No. | 3 | |
| | to false ceiling, capacity per disc valve = 80m³/h | | | |
| | Φ 160 mm diffuser with Φ 100mm inlet (Similar to ALDES | | | |
| | SR 140). | | | |
| B.5 | In-line Fan, Mixvent axial type, GS casing with ABS plastic | No. | 1 | |
| | impellers, 230V,50Hz, integral thermal protection, IP44 | | | |
| | mounted on anti-vibration mountings, power socket | | | |
| | provided near fan at ceiling. Low Noise (similar to Aldes | | | |
| | Inline, SPRO Series) | | | |
| | Fan Capacity :- | | | |
| | (i) 240 m³/hr at 120 Pa | | | |
| **C.** | **SPLIT AC UNIT** | | | |
| (i) | **Ground Floor** | | | |
| C.1 | ON/OFF wall mounted type split air conditioning system c/w | | | |
| | indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| C.1.1 | 5.3 kWc | No. | 2 | |
| C.2 | 4 way cassette type DC ON/OFF split air conditioning system | | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| C.2.1 | 4.5 kWc | No. | 2 | |
| C.2.2 | 5.3kWc | No. | 3 | |
| (ii) | **First Floor** | | | |
| C.3 | 4 way cassette type DC inverter type split air conditioning system | | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| C.3.2 | 5.3kWc | No. | 4 | |
| **D.** | **EXISTING FUNCTIONING SPLIT UNITS (INDOOR & OUTSIDOR UNITS)** | | | |
| (i) | **Ground Floor & First Floor** | | | |
| D.2 | existing, functioning split AC units. | | | |
| D.2.1 | 5.3kWc & 5.3 kWc (wall mounted split unit) | No. | 2 | |
| D.2.2 | 7.0 kW/3.5kWc (Ceiling/Floor Mounted split unit) | No. | 4 | |

## Plumbing & Fire Fighting Installations

| | | | | |
|---|---|---|---|---|
| **A.** | **EXTERNAL WASTE AND SEWER - inspection and Cleaning** | | | |
| A.1 | uPVC PN10 pipe | | | |
| (i) | Ø63mm (waste pipe) (from building to gully trap) | m | 3 | |
| (ii) | Ø110mm (sewer pipe) (From buildings to manholes) | m | 5 | |
| A.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid | m | 35 | |
| | underground between sewer manholes & to septic tank) Ø160mm. | | | |
| | (Note: All existing sewer manholes on site are in concrete by MC. | | | |
| | Plumbing contractor to liaise with MC for laying of underground | | | |
| | pipes) | | | |
| A.3 | Allow a sum to conduct assessment of existing septic tank, waste | sum | 1 | |
| | and sewer disposal and upgrade existing one, if required | | | |
| | (including pipes work). | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 1 | |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 1 | |
| B.4 | Quarter turn valve in DR Brass,for 32/25 pipe at mains tapoff | No. | 1 | |
| B.5 | uPVC pressure fittings, rated to PN16. Solvent welded | Lot | 1 | |
| | Reducers, | | | |
| | Tees, Elbows, Unions, male adaptors, Female adaptors, transition | | | |
| | Fittings, threaded sockets at all valves and flexible | | | |
| B.6 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| B.7 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.8 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.9 | Chrome plated angle valve ½"connection (High Quality) (WC/WHB/SINK) | No. | 5 | |
| B.10 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 7 | |
| **C.** | **WATER TANKS** | | | |
| C.1 | Above ground PE water tank (volume: 1500L) | Lot | 1 | |
| | c/w fittings and accessories as specified in drawing | | | |
| C.2 | Distribution pipes in uPVC PN 10 | | | |
| (i) | Ø 32/25mm .(from CWA to Water Tank to pump ) | m | 25 | |
| **D.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| D.1 | Domestic water pump set, consisting of 1 Nos. | Set | 1 | |
| | centrifugal pumps | | | |
| | connected in parallel, horizontal type , pre-piped, pre-wired, Fully | | | |
| | factory assembled,c/w Control panel, pressure vessel, 4 Nos. stop | | | |
| | valves, 2 Nos. non-return valves. Operating in sequential and | | | |
| | cascade mode. Stainless steel parts. c/w Anti-vibration mounting | | | |
| | pads. Power Supply : 3 phase, 400V, 50 Hz IP55 Class F Capacity | | | |
| | per pump = 3m³/h @ 30m Pressure vessel (c/w manometer) = 50L | | | |
| D.2 | Float level switch for dry running control of pump set, non-mercury | Lot | 1 | |
| | type, 230V, 50Hz c/w power & control cabling and PVC sleeves | | | |
| D.3 | Quarter-turn valve, 3/4" (Ø 25/20 mm connection) at Pressure | No. | 1 | |
| | vessel | | | |
| **E.** | **WASTE AND SEWER -Inspection and cleaning** | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| E.1.1 | 40mm PN6 (WHB Discharge) | m | 6 | |
| E.1.2 | 50mm PN10 (Sink & floor drain discharge) | m | 10 | |
| E.1.3 | 63mm PN6 | m | 12 | |
| E.1.4 | 110mm PN6 (Sewer) | m | 8 | |
| E.1.5 | 50mm PN6 (venting) | m | 10 | |
| E.2 | uPVC Fittings, rated to PN6 and PN8. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for sewer and waste pipes | Lot | 1 | |
| E.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 | |
| E.6 | PVC Vent cowl | No. | 2 | |
| E.7 | U shape Side-drain wall corner drain in Stainless steel (High quality to Architect's approval) DN 50 outlet | No. | 4 | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| F.2.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 2 | |
| | washer | | | |
| F.2.2 | WHB, c/w tap, Flexible pipes | No. | 2 | |
| F.2.3 | Kitchen sink, c/w tap, Flexible pipes | No. | 1 | |
| F.2.4 | Janitor, c/w tap, Flexible pipes | No. | 1 | |
| **G.** | **FIRE EXTINGUISHERS - 6 monthly servicing.** | | | |
| | Bottle type fire extinguishers,similar to S.R.I model: | | | |
| G.1 | Ground Floor | | | |
| G.1.1 | 4.5 kg CO2 Type (similar to S.R.I model) | No. | 3 | |
| G.1.2 | 4.0 kg ABC Dry chemical powder type | No. | 3 | |
| G.2 | First Floor | | | |
| G.2.1 | 4.5 kg CO2 Type (similar to S.R.I model) | No. | 3 | |
| G.2.2 | 4.0 kg ABC Dry chemical powder type | No. | 3 | |

## SBM Branch at Grand Bay

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **B.** | **SURGE PROTECTION** | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | Up/Voltage Protection Level 1.0KV and complete with in built | | | |
| | fuse & enclosure. Include for all cables, circuit breakers/fuses | | | |
| | and accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer's recommendations) to the MDB. | | | |
| B.2 | Surge Reduction Filter 1Ø 230V 40A Class III Type 2 (For UPS) | No. | 1 | |
| B.3 | Surge Reduction Filter 1Ø 230V 10A Class III Type 3 (Fire | No. | 4 | |
| | Alarm Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **C.** | **EARTHING - Insepction and testing** | | | |
| | Earth resistance < 2.5 Ω. Allow for test links. | | | |
| C.1.1 | Main Earthing for MDB | | | |
| | Terminate at an earth bar in Technical room using bare | Lot | 1 | |
| | copper cable 16mm². | | | |
| C.1.2 | Main Earthing for Communication Equipment | | | |
| | Terminate at an earth bar in technical room using bare copper | Lot | 1 | |
| | cable 6mm². | | | |
| **D.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears,contactors, cabling accessories, distribution blocks, outgoing,terminals, busbars and engraved labels. | | | |
| D.1 | MDB G.F | No. | 1 | |
| D.2 | DB CHANGE OVER | No. | 1 | |
| D.3 | DB ISOLATOR 4P 80A | No. | 2 | |
| D.4 | DB UPS IN | No. | 1 | |
| D.5 | DB UPS OUT | No. | 1 | |
| D.6 | SDB UPS | No. | 1 | |
| D.7 | SDB VRF AC | No. | 1 | |
| D.9 | Isolators and Enclosure for Mechanical Equipment on Roof | | | |
| | isolators complete with waterproof enclosure (IP55) for the listed mechanical equipment. | | | |
| | 4P 32A (For VRF Outdoor Unit) | No. | 2 | |
| **G.** | **CONDUITS & WIRING** | | | |
| | Conduits and proprietary boxes for concealed or surface installation. | | | |
| | Wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3X1C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3X1C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets & hand dryer points** | | | |
| (c) | **3X1C x 2.5mm² or 4.0mm² PVC/PVC Cu cable for AC DP switch** | | | |
| **G.1** | **Ground Floor** | | | |
| G.1.1 | Light point | No. | 105 | |
| G.1.2 | Switch point | No. | 11 | |
| G.1.3 | PIR point | No. | 5 | |
| G.1.4 | Socket point | No. | 104 | |
| G.1.5 | Double pole switch point for indoor cassette units | No. | 12 | |
| G.1.6 | Split AC unit point | No. | 1 | |
| G.1.7 | Hand Dryer point | No. | 2 | |
| G.1.8 | Extraction Fan point | No. | 1 | |
| G.1.9 | HDMI Cabling | | | |
| | Allow for HDMI cabling from TV Screen in meeting rooms to meeting | No. | 1 | |
| | table. | | | |
| **H.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip-on brackets, support frames, cover plates and other accessories required for recessed/surface mounting where applicable. | | | |
| **(I)** | **Recessed Installation** | | | |
| H.1 | **Ground Floor** | | | |
| H.1.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| H.1.2 | Switch 4 gang 1 way, 10A. | No. | 2 | |
| H.1.3 | Double pole switch 20 Amps with LED indicator for AC | No. | 1 | |
| H.2 | Take delivery, Install, test and commission the following complete with all accessories: | | | |
| H.2.1 | Hand Dryer | No. | 2 | |
| **J.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for mounting power sockets onto trunkings, blockwall & partition. | | | |
| **(I)** | **On Partition** | | | |
| J.1 | **Ground Floor** | | | |
| J.1.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| J.1.2 | Socket 1 gang 13 Amps | No. | 6 | |
| J.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 7 | |
| J.1.4 | Socket 2 gang 16 Amps | No. | 2 | |
| **(II)** | **On Blockwall** | | | |
| J.2 | **Ground Floor** | | | |
| J.2.1 | Switched Socket 1 gang 13 Amps | No. | 5 | |
| J.2.2 | Socket 1 gang 13 Amps | No. | 1 | |
| J.2.3 | Socket 2 gang 13 Amps | No. | 4 | |
| J.2.4 | Socket 1 gang 16 Amps | No. | 1 | |
| J.2.5 | Socket 2 gang 16 Amps | No. | 0 | |
| J.2.6 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| **(III)** | **On Trunking** | | | |
| J.3 | **Ground Floor** | | | |
| J.3.1 | Socket 1 gang 13 Amps | No. | 30 | |
| J.3.2 | Socket 1 gang 16 Amps | No. | 36 | |
| J.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 32 | |
| **(IV)** | **Above False Ceiling** | | | |
| J.4 | **Ground Floor** | | | |
| J.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 12 | |
| J.4.2 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| J.4.3 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 2 | |
| J.4.4 | Socket 2 gang 13 Amps & 16 Amps for WIFI Access point | No. | 2 | |
| J.4.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| J.4.6 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 4 | |
| **K.** | **LUMINAIRES** | | | |
| | Supply, install, test & commission the luminaires. | | | |
| **K.1** | **Ground Floor** | | | |
| K.1.1 | Type 1 | No. | 13 | |
| K.1.2 | Type 2 | No. | 5 | |
| K.1.3 | Type 3(a) | No. | 66 | |
| K.1.4 | Type 4 | No. | 9 | |
| K.1.5 | Type EM-1 | No. | 8 | |
| K.1.6 | Type EM-2 | No. | 4 | |
| K.1.7 | Type EM-3 | No. | 2 | |
| K.1.8 | Type EM-4 | No. | 1 | |
| K.1.9 | Type EM-5 | No. | 1 | |
| **L.** | **UPS** | | | |
| L.1 | Double online conversion 6 kVA UPS (single phase in, single phase out) | No. | 1 | |
| | **SERVER ROOM** | | | |
| | **LUMINAIRES** | | | |
| | Surface mounted LED Panel 600x600,40W,4000k | No. | 1 | |
| | Recessed LED Panel 600x600,40W,4000k | No. | 2 | |
| | Recessed spot light similar to Junilar,3000K,7W | No. | 3 | |
| | Emergency Exit Light | No. | 1 | |
| | **Terminal Points** | | | |
| | Supply and install of terminal points c/w wiring,conduits and fittings | | | |
| | Light Points | No. | 7 | |
| | Socket point for ATM | No. | 2 | |
| | Socket point at Corridor | No. | 1 | |
| | Power Point for Sliding door | No. | 2 | |
| | Relocation of sockets for TV in Meeting Room | No. | 1 | |
| | **Electrical Accessories** | | | |
| | Supply and install of electrical accessories c/w fittings for ATM | | | |
| | Socket 1 gang, 13 Amp | No. | 2 | |
| | Socket RJ45 Cat 6a,1 gang | No. | 1 | |
| | Socket 2 gangs,16 Amps | No. | 1 | |
| | For Meeting Room | | | |
| | Socket RJ45 Cat 6a,1 gang | N. | 1 | |
| | Sliding door | | | |
| | DP Switch 20A | No. | 2 | |
| | **workstation at PB support,open space customer care and back office** | | | |
| | Support Frame 4 Modules-6 Nos | Nos | 6 | |
| | Cover plate 4 Modules-6 Nos | Nos | 6 | |
| | Backbox 4 Modules-6 Nos | Nos | 6 | |
| | **New Back Office** | | | |
| | Single Socket 13A | No. | 6 | |
| | Data Socket Cat 6A | No. | 6 | |
| | PVC Trunking 130x50mm | m | 6 | |
| | **Additional Desk at PB support** | | | |
| | Single Socket 13A | No. | 2 | |
| | Single Socket 16A | No. | 2 | |
| | Data Socket Cat 6A | No. | 4 | |
| | PVC Trunking 130x50mm | m | 2 | |
| | Floor Trunking | m | 4 | |
| | **New Display Screen** | | | |
| | Single Socket 13A | No. | 1 | |
| | Single Socket 16A | No. | 1 | |
| | Data Socket Cat 6A | No. | 1 | |
| | **Additional Signage at Super U side** | | | |
| | Supply and install rotary isolator 2P 20A | No. | 1 | |
| | **Additional Signage at Super U Front side** | | | |
| | Supply and install rotary isolator 2P 20A | No. | 1 | |
| | **Additional Switchgear used in Panel** | | | |
| | MCB 1P+N 16A | No. | 8 | |
| | MCB 1P+N 20A | No. | 2 | |
| | RCD 2P 40A 30mA | No. | 5 | |

### FIRE ALARM INSTALLATIONS - Inspection only

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL -Inspection only** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 1.5 mm² fire retardant cables to connect the following field devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | Ground Floor | | | |
| B.1.1 | Smoke detector | No. | 12 | |
| B.1.2 | Heat Detector | No. | 1 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder with VAD | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during appliocation of Fire Certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |

### AIR-CONDITIONING & VENTILATION INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **B.** | **TOILET EXTRACTION** | | | |
| B.1 | Inline extract Fan similar to Aldes Inline XPRO Models | | | |
| | (i) 160m³/h at 100Pa (XPRO 160) | No. | 1 | |
| B.2 | Flexible connection at inlet and outlet of Fan | Lot | 1 | |
| B.3 | Circular G/S ducts (Spiral Type) | | | |
| | (i) 100mm | m | 5 | |
| | (ii) 160mm | m | 2 | |
| B.4 | Ducts fittings wyes, tees, reducer sections, elbows & transition for | Lot | 1 | |
| | circular g/s ducts. (All Dimensions) including accessories | | | |
| B.5 | Mupro type Supports, saddles and hangers at ceiling for complete | Lot | 1 | |
| | support of whole duct | | | |
| B.6 | Disc valve, circular type with adjustable centre cone fixed to false | No. | 2 | |
| | ceiling, complete with flexible, capacity per disc valve @ 80m³/h. | | | |
| | Ø100 mm diffuser (Similar to Aldes SR 149) | | | |
| B.7 | Flexible ducting, aluminium on steel helix at disc valves, Φ100mm | m | 3 | |
| B.8 | Circular External Grille in plain anodized aluminium, with insect net | | | |
| | (Similar to Aldes AR 637 series) c/w with plenum | | | |
| (i) | Dia 250mm | No. | 1 | |
| **C.** | **VRF INDOOR UNITS AND ACCESSORIES** | | | |
| C.1 | Silent VRF air conditioning unit, to be installed flush to false | | | |
| | ceilings. Aesthetic good looking model, 4 way diagonal air | | | |
| | discharge flow, wireless remote control low noise, 3 fan speed, | | | |
| | built in high speed drain pump, 230V, 50Hz (Single Phase) c/w | | | |
| | power cables, G/S supports Easily removable centre grille with | | | |
| | washable filter. Motorized Flaps Direct Expansion Type Evaporator. | | | |
| C.1.1 | 3.6 kW (compact cassette) | No. | 2 | |
| C.1.2 | 4.5 kW (compact cassette) | No. | 3 | |
| C.1.3 | 7.1 kW (large cassette) | No. | 2 | |
| C.1.4 | 10.5 kW (large cassette) | No. | 1 | |
| **D.** | **MINI VRF OUTDOOR UNITS AND ACCESSORIES** | | | |
| | Outdoor VRF unit (variable refrigerant flow system) with DC Inverter | | | |
| | Scroll compressor fully insulated c/w with ventilation fans, air | | | |
| | cooled condensers, seamless copper tubings with aluminium | | | |
| | fins. Epoxy coating on fins. Fan guards to have UV resistant PVC | | | |
| | coating. Weather protected g/s panelling with anti-corrosion paint | | | |
| | compressors installed on anti-vibration bases, low noise level, | | | |
| | rapid and precise adjustment of capacities. Fully electronic | | | |
| | Control. (Top Blow) Refrigerant: R410A | | | |
| | High Efficiency. Minimum COP Cooling above 4 | | | |
| | Power: 400V, 3ph, 50Hz. | | | |
| D.1 | Outdoor units to be located at Roof Level (3.5m above GF level) | No. | 2 | |
| | Capacity: 22.4 kW | | | |
| D.2 | Supports / Anchoring for fixing Outdoor Units to roof c/w rubber | Lot | 2 | |
| | pads & sealant. | | | |
| **I.** | **SPLIT AC DC INVERTER TYPE AT TECHNICAL ROOM** | | | |
| I.1 | Wall mounted DC inverter type split air conditioning system | | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| I.1.1 | 3.5 kW | No. | 1 | |
| **K.** | **AIR CURTAINS** | | | |
| K.1 | Air Curtain width 1500mm c/w supports to wall | No. | 2 | |

### PLUMBING & FIRE-FIGHTING INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| | GROUND FLOOR | | | |
| **A.** | **COLD WATER SUPPLY** | | | |
| A.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø20/15mm | m | 10 | |
| (ii) | Ø25/20mm | m | 7 | |
| A.2 | Quarter turn valve in DR Brass for 25/20 pipe at mains tapoff | No. | 1 | |
| A.3 | uPVC pressure fittings, rated to PN16. Solvent welded. | Lot | 1 | |
| | Reducers, Tees, Elbows, Unions, male adaptors, female | | | |
| | adaptors, transition fittings, threaded sockets at all valves and | | | |
| | flexible pipes, etc. | | | |
| A.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| A.5 | Chrome plated angle valve ½"connection (High Quality) | No. | 6 | |
| | (WC/WHB/SINK) | | | |
| A.6 | Flexible pipes (150 / 200mm long) ½" connection (High | No. | 2 | |
| | Quality) | | | |
| **B.** | **WASTE AND SEWER -Insoection and cleaning** | | | |
| B.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 5 | |
| (ii) | 50mm PN8 (Sink discharge) | m | 5 | |
| (iii) | 110mm PN8 (Sewer) | m | 4 | |
| B.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. | Lot | 1 | |
| | Reducers, Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| B.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | sewer and waste pipes | | | |
| B.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| B.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 | |
| B.6 | PVC 110mm pan adaptor (plastic) | No. | 2 | |
| B.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 2 | |
| | approval). | | | |
| **C.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| (i) | WC | No. | 2 | |
| (ii) | WHB | No. | 1 | |
| (iii) | Kitchen sink | No. | 1 | |
| (iv) | Janitor Sink | No. | 1 | |
| **D.** | **FIRE EXTINGUISHERS (GF) -m 6 monthly servicing and issue of maintenance certificate** | | | |
| | Bottle type fire extinguishers, similar to S.R.I model. | | | |
| D.1 | 2 kg $CO_2$ type (similar to S.R.I model). | No. | 4 | |
| D.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |

| SBM Service Unit: | Grand Bois | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | | COOL AIR - 30K BTU - Ceiling type | DDM-425500514 | 1 | |
| | Computer Room | PANASONIC - 18KBTU - Wall type | | 1 | |
| | Manager's office | FEDDERS - 9K BTU - Wall type | 1 FE-KR008990F | 1 | |
| Generator | | FG WILSON - GENERATOR FGW P11_SAE_ATS | FGWPEP41KMW00489 1 | 1 | |
| Earthing/Lightning Protection System | | ERICO - Proline SRF 163 Critec | EEMELEQU001618 | 1 | (Single phase) |
| Line Voltage Monitor | | | | | |
| Lighting | ATM Area (external) | Lighting fitting c/w cover - econo type bulb | | 1 | |
| | ATM room (internal) | 2 x lighting fitting c/w cover - 2ft fluorescent tube | | 1 | |
| | External Areas | Lighting fitting c/w cover - 4ft fluorescent tube | | 2 | |
| | Banking Hall | 2 x lighting fitting c/w cover - 4ft fluorescent tube | | 6 | |
| | | 2 x lighting fitting c/w cover - 2ft fluorescent tube | | 1 | |
| | Computer Room | 2 x lighting fitting c/w cover - 2ft fluorescent tube | | 1 | |
| | Kitchen | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Manager Office | 2 x lighting fitting c/w cover - 2ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting - E27 type with econo bulb | | 2 | |
| | Vault | Lighting fitting - 4ft fluorescent tube | | 1 | |
| UPS | | UPS Powerware 6KVA POWERWARE PW9120 | | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 1 | |
| | Teller Counters | 16A socket outlet (French type) | | 9 | |
| | CSR Areas | 16A socket outlet (French type) | | 6 | |
| | Back Office (Supervisor) | 16A socket outlet (French type) | | 3 | |
| | Computer Room | 16A socket outlet (French type) | | 4 | |
| | Corridor (Back of CSR) | 16A socket outlet (French type) | | 3 | |
| Power System (General socket) | Teller Counters | 13A socket outlet (British type) | | 3 | |
| | CSR Areas | 13A socket outlet (British type) | | 2 | |
| | Back Office | 13A socket outlet (British type) | | 1 | |
| | Corridor | 13A socket outlet (British type) | | 1 | |
| | Kitchen | 13A socket outlet (British type) | | 1 | Power extension |
| | Toilet Area | 13A socket outlet (British type) | | 1 | |
| Alarm System | | N/A | | | |
| Fire Fighting | | Fire extinguishers (Co2 - 2.5Kg) | | 1 | |
| CCTV System | | N/A | | | |
| Sign Board | External Area | SBM NEON LETTERING SIGN | | 1 | |
| | Roof (LHS) | SBM NEON LETTERING SIGN | | 1 | |
| | ATM area | ATM SIGNBOARD | | 1 | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| Hand Dryer | | INDA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin | | 1 | |
| | Kitchen | Sink | | 1 | |
| | Water Pump | Davey | | 1 | |
| | Water Tank | 1000Lts Fibre glass tank | | 1 | |
| Power Distribution unit | Main DB | Main isolator 63A - 2P | | 1 | |
| | | Circuit breaker 32A - 2P | | 2 | A/C unit in banking hall |
| | | Circuit breaker 20A - 2P | | 1 | A/C unit in manager office |
| | | Circuit breaker 20A - 2P | | 1 | Ext lighting |
| | | Timer & Contactor 20A - 2P | | | |
| | | Circuit breaker 10A - 2P | | 2 | |
| | | Circuit breaker 16A - 2P | | 1 | |
| | | Circuit breaker 25A - 2P | | 1 | Water pump |
| | | Circuit breaker 32A - 2P | | 1 | UPS input |
| | UPS panel | Circuit breaker 32A - 2P | | 1 | |
| | | Circuit breaker 25A - 2P | | 1 | |
| | | Circuit breaker 16A - 2P | | 7 | |
| | | Circuit breaker 10A - 2P | | 1 | |

| SBM Service Unit: | Labourdonnais | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | Banking Hall | MIDEA - 36KBTU - Ceiling type | 3415395950283060160064 | 1 | Maintenance by others |
| | | MIDEA - 36KBTU - Ceiling type | 341539595028306016002 | 1 | Maintenance by others |
| | | TRANE - 18KBTU - Wall type | 2403878550377150120 05 | 1 | Maintenance by others |
| | | TRANE - 18KBTU - Wall type | 2403878550477180112 0012 | 1 | Maintenance by others |
| | | TRANE - 18KBTU - Wall type | 2403878550477180112 0006 | 1 | Maintenance by others |
| | Manager's office | TRANE - 12KBTU - Wall type | 2403878550377150120 005 | 1 | Maintenance by others |
| | Mess room | TRANE - 12KBTU - Wall type | 2403878550377150120 008 | 1 | Maintenance by others |
| Generator | | GENERATOR - CGM10BE_Wheels | 16503/18 | 1 | Maintenance by others |
| Lighting | External Areas | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | | Hublot type lighting diffuser with E27 fitting | | 3 | |
| | Banking Hall | Lighting fitting - 4ft fluorescent tube | | 6 | |
| | Corridor | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Kitchen | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Manager Office | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Rear area | Lighting fitting - 4ft fluorescent tube | | 8 | |
| | Mess Room | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting - econo type bulb | | 2 | |
| | Vault | Lighting fitting - 4ft fluorescent tube | | 1 | |
| UPS | | UPS 6KVA POWERWARE PW9120 | RU 466A0086 | 1 | |
| Power System (UPS Sockets) | Teller Counters | 16A socket outlet - French type | | 12 | |
| | CSR Areas | 16A socket outlet - French type | | 6 | |
| | Back Office (Supervisor) | 16A socket outlet - French type | | 3 | |
| | Computer Room | 16A socket outlet - French type | | 2 | |
| | Manager Office | 16A socket outlet - French type | | 2 | |
| | Rear area | 16A socket outlet - French type | | 3 | (On wall) |
| Power System (General socket) | ATM room | 13A socket outlet - British type | | 2 | ATM being supplied 13A socket outlet |
| | Banking Hall | 13A socket outlet - British type | | 2 | |
| | Teller Counters | 13A socket outlet - British type | | 4 | |
| | CSR Areas | 13A socket outlet - British type | | 3 | |
| | Back Office | 13A socket outlet - British type | | 1 | |
| | Kitchen | 13A socket outlet - British type | | 3 | |
| | Manager Office | 13A socket outlet - British type | | 1 | |
| | Rear area | 13A socket outlet - British type | | 6 | |
| | Mess Room | 13A socket outlet - British type | | 1 | |
| | Toilet Area | 13A socket outlet - British type | | 2 | |
| Alarm System | | N/A | | | |
| Fire Fighting system | | Fire extinguishers (Co2 - 2.5Kg) | | 1 | |
| CCTV System | | N/A | | | |
| Sign Board | External Area | SBM CASH SIGN | | 1 | |
| | | SBM NEON LETTERING SIGN WITH ALUCOBOND BASE | | 1 | |
| | Main entrance Area | | | | |
| | ATM area | | | | |
| | Roof | | | | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| Hand Dryer | | INDA | | 2 | |
| Plumbing & Public Health | Toilet Area | WC set | | 2 | |
| | | Wash basin with pedestal | | 2 | |
| | Kitchen | Sink | | 1 | |
| Power Distribution Unit | Non essential | Circuit breaker 63A - 4P | | 2 | |
| | | Circuit breaker 32A - 2P | Panel located at rear area | 6 | A/C units |
| | | Circuit breaker 16A - 2P | | 2 | |
| | | Circuit breaker 6A | | 3 | For ext light |
| | | Circuit breaker 10A | | 3 | |
| | | Circuit breaker 20A | | 1 | |
| | | Timer module 16A | | 1 | For ext light |
| | Essential | Isolator 100A - 4P | | 1 | |
| | | Circuit breaker 6A | | 2 | |
| | | Circuit breaker 16A - 2P | | 2 | |
| | | Circuit breaker 20A - 2P | | 1 | |
| | | Circuit breaker 32A - 2P | | 1 | |
| | UPS panel | Circuit breaker 32A - 2P | | 2 | Input & Output UPS |
| | | Circuit breaker 6A - 2P | | 1 | ATM supply |
| | | Circuit breaker 10A | | 1 | Socket computer room |

## SBM BRANCH

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a reference together | | | |
| | with the on site as made drawings and schematics | | | |
| **A.** | **SURGE PROTECTION** | | | |
| | | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | Up/Voltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer 's recommendations) to the MDB. | | | |
| | | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| | | | | |
| A.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| | | | | |
| **B.** | **EARTHING - Inspection and testing** | | | |
| | | | | |
| B.1 | Allow for testing of the existing earthing system. | Lot | 1 | |
| | | | | |
| B.2 | Allow for connection of distribution boards to the existing earthing | Lot | 1 | |
| | system using appropriate earth connectors. | | | |
| | | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| | | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | Conduits and proprietary boxes for concealed or surface | | | |
| | Wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| | | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 81 | |
| F.1.2 | Switch point | No. | 12 | |
| F.1.4 | Socket point | No. | 115 | |
| F.1.6 | Split AC unit point | No. | 11 | |
| F.1.7 | Hand Dryer point | No. | 2 | |
| F.1.8 | Fan point | No. | 1 | |
| | | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **(I)** | **Recessed Installation** | | | |
| | | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| G.1.3 | Switch 3 gang 1 way, 10A | No. | 1 | |
| G.1.5 | PIR Presence Detector (Propsosed EE815) | No. | 4 | |
| G.1.6 | PIR Motion Detector with dual technology (Proposed EE805) | No. | 1 | |
| | | | | |
| (i) | Hand Dryer | No. | 2 | |
| | | | | |
| **(II)** | **On Trunking** | | | |
| | | | | |
| G.2 | **Ground Floor** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 6 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Accessories (clip-on support, frames, etc.) for mounting power sockers onto | | | |
| | trunkings, blockwall & partition. | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.1.4 | Socket 2 gang 13 Amps | No. | 5 | |
| I.1.5 | Socket 2 gang 16 Amps | No. | 5 | |
| I.1.7 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 3 | |
| **(II)** | **On Blockwall** | | | |
| | | | | |
| I.2 | **Ground Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 1 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| **(III)** | **On Trunking** | | | |
| I.3 | **Ground Floor** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 31 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 17 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 19 | |
| I.3.5 | HDMI Socket | No. | 1 | |
| | | | | |
| **(IV)** | **On Meeting Table** | | | |
| | | | | |
| | **Pop-up box type 1 shall be 7 modules and equipped with** | | | |
| | **2x13A switched + 2x16A switched + 2xRJ45 sockets + 1xHDMI** | | | |
| | | | | |
| I.4 | **Ground Floor** | | | |
| I.4.1 | Pop-up box Type 1 | No. | 1 | |
| | | | | |
| **(V)** | **Above False Ceiling** | | | |
| | | | | |
| I.5 | **Ground Floor** | | | |
| I.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 11 | |
| I.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.5.5 | Switched Socket 1 gang 13 Amps for motorised awning | No. | 1 | |
| I.5.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.5.8 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| | | | | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.1 | Type 1 (a) | No. | 5 | |
| J.1.2 | Type 2 | No. | 6 | |
| J.1.3 | Type 3 (a) | No. | 46 | |
| J.1.5 | Type 4 (a) | No. | 10 | |
| J.1.7 | Type EM-1 | No. | 7 | |
| J.1.8 | Type EM-2 | No. | 4 | |
| J.1.10 | Type EM-4 | No. | 2 | |
| J.1.11 | Type EM-5 | No. | 1 | |
| | | | | |
| **K.** | **UPS** | | | |
| | | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out) to the new technical room. | Lot | 1 | |
| | | | | |
| **1** | **3-phase change over panel** | | | |
| 1.1 | 3-phase change over panel | Lot | 1 | |
| **2** | **cleaning sockets** | | | |
| 2.1 | cleaning sockets | Lot | 1 | |
| **3** | **additional sockets points in ATM room** | | | |
| 3.1 | additional sockets points in ATM room | Lot | 1 | |
| **4** | **power point roller shutters** | | | |
| 4.1 | power point roller shutters | No. | 1 | |
| **5** | **Supply and install external lighting** | | | |
| 5.1 | external lighting | No. | 1 | |
| **6** | **Event Light** | | | |
| 6.1 | Event Light socket | No. | 1 | |

### FIRE ALARM INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL - Inspection and report for Faults** | | | |
| | | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc.... | | | |
| | | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting | | | |
| | bases. | | | |
| | | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 10 | |
| B.1.2 | Heat Detector | No. | 1 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 1 | |
| | | | | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of Fire** | | | |
| | **Certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |

### Air Conditioning and Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **FRESH AIR INTAKE** | | | |
| | | | | |
| | **Vault** | | | |
| A.1 | 2 Nos Aluminium transfer grille to be installed at vault wall for | Lot | 1 | |
| | pressure equalization, dimension 200x100, fins to be angled to | | | |
| | block visibility. Intermediate duct and plenum to be installed in | | | |
| | reinforced concrete wall. Transfer grille s/t ALDES AC102D Series | | | |
| | (COMPLETE INSTALLATION) | | | |
| | | | | |
| **B.** | **TOILET EXTRACTION** | | | |
| | | | | |
| | **GROUND FLOOR** | | | |
| | | | | |
| B.1 | Disc valve, circular type with adjustable centre cone fixed | No. | 3 | |
| | to false ceiling, capacity per disc valve = 80m³/h | | | |
| | Φ 160 mm diffuser with Φ 100mm inlet (Similar to ALDES SR 149) | | | |
| | | | | |
| B.2 | Circular G/S Ducts (Spira Type) | | | |
| | (i) 100 mm | m | 4 | |
| | (ii) 160 mm | m | 6 | |
| | | | | |
| B.5 | In-line fan, Mixvent axial type, GS casing with ABS plastic | No. | 1 | |
| | impellers, 230V,50Hz, integral thermal protection, IP44 mounted on | | | |
| | anti-vibration mountings, power socket provided near fan at ceiling. | | | |
| | Low Noise (similar to Aldes Inline XPRO Series) Fan Capacity:- | | | |
| | (i)240 m³/hr at 120 Pa | | | |
| | | | | |
| B.6 | Flexible ducting, aluminium on steel helix at disc valves | | | |
| B.6.1 | Φ 100mm | m | 4 | |
| | | | | |
| B.7 | Circular aluminium grille with horizontal fins c/w G/S duct | | | |
| | connection to fan. (Similar to Aldes AR 637 SERIES, | | | |
| | anodised aluminium finish) Dimensions: | | | |
| B.7.1 | Φ 250mm | No. | 2 | |
| | | | | |
| **C.** | **SPLIT AC UNIT** | | | |
| | | | | |
| C.2 | 4 way cassette type DC inverter type split air conditioning system | | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| C.2.1 | 3.5 kWc | No. | 4 | |
| | | | | |
| C.2.2 | 5.3kWc | No. | 2 | |
| C.2.3 | 7.0kWc | No. | 2 | |
| | | | | |
| **D.** | **SPLIT UNITS** | | | |
| D.1.1 | Wall mounted split unit) | No. | 2 | |
| D.1.2 | Ceiling/Floor Mounted split unit | No. | 2 | |

### Plumbing & Fire-Fighting Installations

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **INSPECTION AND CLEANING** | | | |
| | | | | |
| A.1 | Inspection and cleaning of existing septic tank, waste | Sum | 1 | |
| | and sewer disposal including pipes work if required. | | | |
| **C.** | **EXTERNAL WASTE AND SEWER - INSPECTION AND CLEANING** | | | |
| C.1 | uPVC PN10 pipe | | | |
| (i) | Ø75mm (waste pipe) (from building to gully trap) | m | 2 | |
| (ii) | Ø110mm (sewer pipe) (from buildings to manholes) | m | 3 | |
| | | | | |
| C.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid | m | 11 | |
| | underground between sewer manholes) Ø160mm | | | |
| | (Note: All existing sewer manholes on site are in concrete by MC. | | | |
| | Plumbing contractor to liaise with MC for laying of underground | | | |
| | pipes) | | | |
| | | | | |
| **D.** | **COLD WATER SUPPLY** | | | |
| | Supply and install the following: | | | |
| | | | | |
| D.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø32/25mm | m | 6 | |
| (ii) | Ø25/20mm | m | 9 | |
| (iii) | Ø20/15mm | m | 12 | |
| | | | | |
| D.2 | Quarter turn valve in DR Brass, for 20/15 pipe at mains tapoff | No. | 1 | |
| | | | | |
| D.3 | Quarter turn valve in DR Brass, for 25/20 pipe at mains tapoff | No. | 1 | |
| | | | | |
| D.4 | Quarter turn valve in DR Brass, for 32/25 pipe at mains tapoff | No. | 2 | |
| | | | | |
| D.9 | Chrome plated angle valve ½"connection (High Quality) | No. | 4 | |
| | (WC/WHB/SINK/JANITOR) | | | |
| | | | | |
| D.10 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 7 | |
| | | | | |
| D.11 | Supply and install of a new CWA meter box complete with | No. | 1 | |
| | isolating valve | | | |
| | | | | |
| **E.** | **WATER TANKS** | | | |
| | | | | |
| E.1 | above ground PE water tank (volume: | Lot | 1 | |
| | 1200L) c/w fittings and accessories as specified in drawing. | | | |
| | | | | |
| E.2 | Distribution pipes in uPVC PN 16 | | | |
| (i) | Ø 32/25mm (from CWA to Water Tank to pump) | m | 12 | |
| | | | | |
| **F.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| | | | | |
| F.1 | Domestic water pump set, consisting of 1 Nos. centrifugal | Set | 1 | |
| | pumps connected in parallel, horizontal type , pre-piped, | | | |
| | pre-wired, Fully factory assembled,c/w Control panel, pressure | | | |
| | vessel, 2 Nos. stop valves, 1 Nos. non-return valves. Operating | | | |
| | in sequential and cascade mode. Stainless steel parts. c/w | | | |
| | Anti-vibration mounting pads. Power Supply: 3 phase, 400V, 50 | | | |
| | Hz IP55 Class F Capacity per pump = 3m³/h @ 25m Pressure | | | |
| | vessel (c/w manometer) = 50L | | | |
| | | | | |
| F.2 | Float level switch for dry running control of pump set, non-mercury | Lot | 1 | |
| | type; 230V, 50Hz c/w power & control cabling and PVC sleeves | | | |
| | | | | |
| F.3 | Quarter-turn valve, 3/4" (Ø 25/20 mm connection) at Pressure | No. | 1 | |
| | vessel | | | |
| | | | | |
| | | | | |
| | | | | |
| **G.** | **WASTE AND SEWER - INSPECTION AND CLEANING** | | | |
| | | | | |
| G.1 | uPVC pipe, solvent welded, diameter | | | |
| G.1.1 | 40mm PN6 (WHB Discharge) | m | 5 | |
| G.1.2 | 50mm PN10 (Sink & floor drain discharge) | m | 14 | |
| G.1.3 | 63mm and 75mm PN10 | m | 15 | |
| G.1.4 | 110mm PN6 (Sewer) | m | 9 | |
| G.1.5 | 50mm PN6 (venting) | m | 8 | |
| | | | | |
| G.2 | uPVC fittings, rated to PN6 and PN8, Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. (ALL DIMENSIONS | | | |
| | FOR COMPLETE INSTALLATION) | | | |
| | | | | |
| G.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | COMPLETE INSTALLATION of sewer and waste pipes | | | |
| | | | | |
| G.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| | | | | |
| G.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 | |
| | | | | |
| G.6 | PVC Vent cowl | No. | 2 | |
| | | | | |
| G.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 4 | |
| | approval) | | | |
| | | | | |
| **H.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| H.2.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, | No. | 3 | |
| | jet washer | | | |
| | | | | |
| H.2.2 | WHB, c/w tap,, flexible pipes | No. | 2 | |
| | | | | |
| H.2.3 | Kitchen sink, c/w tap, flexible pipes | No. | 2 | |
| | | | | |
| H.2.4 | Janitor, c/w tap, flexible pipes | No. | 1 | |
| **1** | **gully trap** | | | |
| 1.1 | gully trap | No. | 1 | |
| **2** | **Bib tap** | | | |
| 2.1 | supply and install of 1 No. bib tap | No. | 1 | |
| | | | | |
| **I.** | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of** | | | |
| | **maintenance certificate** | | | |
| | Bottle type fire extinguishers,similar to S.R.I model: | | | |
| | | | | |
| I.2 | **Ground Floor** | | | |
| I.2.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 4 | |
| I.2.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |
| | | | | |
| **J.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| | Fire extinguisher and fire-escape related signage, as per | Lot | 1 | |
| | requirements of BS 5499, to be fixed at strategic locations to | | | |
| | indicate presence of firefighting equipment, with | | | |
| | photoluminescent characteristics | | | |
| | | | | |

**SBM LONG MOUNTAIN**

**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the agreement | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device "SPD" with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer's recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| A.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| B.2 | Allow for connection of distribution boards to the existing earthing | Lot | 1 | |
| | system using appropriate earth connectors. | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site schematic drawings and specifications | | | |
| | and include 30% spare capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| F.1 | Light point | No. | 106 | |
| F.2 | Switch point | No. | 25 | |
| F.3 | PIR detector point | No. | 2 | |
| F.4 | Socket point | No. | 110 | |
| F.6 | Split AC unit point | No. | 8 | |
| F.7 | Fan point | No. | 1 | |
| F.8 | Hand Dryer Point | No. | 2 | |
| F.9 | *HDMI Cabling* | | | |
| | Allow for HDMI cabling from TV Screen in meeting rooms to | No. | 1 | |
| | meeting table. | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Electrical accessories, proprietary back boxes, clip-on brackets, support frames, cover plates and other | | | |
| | accessories required for recessed/surface mounting where applicable. | | | |
| **G.1** | **Recessed Installation** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 13 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 4 | |
| **G.2** | **On Trunking** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 2 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| G.3.1 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Accessories (clip-on support, frames, etc.) for mounting power sockers onto trunkings, blockwall & partition. | | | |
| **I.1** | **On Partition** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 22 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 7 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 5 | |
| **I.2** | **On Blockwall** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 9 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 7 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 5 | |
| I.2.5 | | No. | 1 | |
| **I.3** | HDMI Socket | | | |
| | **On Trunking** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 27 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 22 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 22 | |
| I.3.5 | HDMI Socket | No. | 1 | |
| **I.4** | **Above False Ceiling** | | | |
| I.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 8 | |
| I.4.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.4.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.4.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.4.6 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 3 | |
| I.4.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| J.1 | Type 1 (a) | No. | 20 | |
| J.2 | Type 2 | No. | 17 | |
| J.3 | Type 3 (a) | No. | 32 | |
| J.4 | Type 3 (b) | No. | 6 | |
| J.5 | Type 4 (a) | No. | 12 | |
| J.6 | Type 5 | No. | 4 | |
| J.7 | Type EM-1 | No. | 5 | |
| J.8 | Type EM-2 | No. | 4 | |
| J.10 | Type EM-4 | No. | 8 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out) to the new technical room. | Lot | 1 | |
| | **Additional cleaning sockets** | | | |
| **2.1** | Switchgears _ RCD 2P40A-30mA-1, MCB 1P+N 20A - 2 | | | |
| **2.2** | Accessories: Multistandard Arteor Sockets | | | |

**FIRE ALARM INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **A.** | **FIRE ALARM PANEL -Inspection only and report** | | |
| | **any faults to third party contractor** | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 |
| | supply, 72 hr battery backup, on board printer,etc… | | |
| B. | WIREWAYS, WIRING & ACCESSORIES | | |
| | Allow for: | | |
| | (i) all wireways complete with proprietary accessories. | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field devices to the corresponding loop/zone. | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | |
| B.1 | Smoke detector | No. | 14 |
| B.2 | Heat Detector | No. | 1 |
| B.3 | Manual call point | No. | 2 |
| B.4 | Electronic Sounder | No. | 2 |
| C. | **LIAISON WITH FIRE SERVICES - Only during** | | |
| | **application of fire certificate** | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 |
| | their inspection/visits on site. | | |

**Air Conditioning and Ventilation Installations**

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **A.** | **FRESH AIR INTAKE** | | |
| A.1 | Wall mounted transfer grille above door.Aluminium | | |
| | construction, colour to Arch. Approval | | |
| | (i) Size 200 x 150, rated 100 m³/hr | No. | 2 |
| | (ii) Size 200 x 150, rated 30 m³/hr | No. | 2 |
| **C.** | **SPLIT AC UNIT** | | |
| **C.1** | **Ground Floor** | | |
| C.1.1 | 4 way cassette type DC inverter type split air conditioning | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | |
| | silent type, wireless remote control. Outdoor unit have G/S | | |
| | casing, black epoxy painted condenser fins. | | |
| | Single Phase: 230 V 50Hz | | |
| (i) | 3.5kWc | No. | 2 |
| **D.2** | **Existing, functioning split AC units.** | | |
| (i) | 3.5kWc/12000 Btu/hr (wall mounted split unit) | No. | 2 |
| (ii) | 7.0kWc/24000 Btu/hr (wall mounted split unit) | No. | 1 |
| (iii) | 10.5kWc/36000 Btu/hr (Ceiling/Floor Mounted split unit) | No. | 2 |

**PLUMBING & FIRE-FIGHTING INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **EXTERNAL PLUMBING** | | | |
| A.1 | uPVC PN10 pipe | | | |
| A.1.1 | Ø75mm (waste pipe) (from building to gully trap) | m | 5 | |
| A.1.2 | Ø110mm (sewer pipe) (from buildings to manholes) | m | 4 | |
| A.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid | m | 7 | |
| | underground between sewer manholes & to septic tank) Ø160mm | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| B.1.1 | Ø20/15mm | m | 12 | |
| B.1.2 | Ø25/20mm | m | 22 | |
| B.2 | Quarter turn valve in DR Brass,for 25/20 pipe at mains, pump and | No. | 9 | |
| | tanks | | | |
| B.3 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc | | | |
| B.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| B.5 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.6 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.7 | Chrome plated angle valve ½"connection (High Quality) | No. | 7 | |
| | (WC/WHB/SINK) | | | |
| B.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 5 | |
| **C.** | **WATER TANKS** | | | |
| C.1 | Above ground PE water tank (volume: 1000L) | Lot | 1 | |
| | c/w fittings and accessories as specified in drawing. | | | |
| C.2 | Distribution pipes in uPVC PN 16 (from Water tank to pump) | | | |
| C.2.1 | Ø 25/20mm | m | 3 | |
| **D.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| D.2 | existing functioning water pump | Lot | 1 | |
| D.3 | pressure vessel of 24L (c/w manometer) | No | 1 | |
| D.4 | Float level switch for dry running control of pump set, non-mercury | Set | 1 | |
| | type; 230V, 50Hz c/w power & control cabling and PVC sleeves | | | |
| D.5 | Quarter-turn valve, 3/4" (Ø 25/20 mm connection) at Pressure vessel | No. | 1 | |
| **E.** | **WASTE AND SEWER** | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 8 | |
| (ii) | 50mm PN10 (Sink & floor drain discharge) | m | 6 | |
| (iii) | 110mm PN6 (Sewer) | m | 3 | |
| (iv) | 50mm PN6 (venting) | m | 4 | |
| E.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for sewer and waste pipes | Lot | 1 | |
| E.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 | |
| E.6 | PVC Vent cowl | No. | 1 | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 2 | |
| | washer | | | |
| (ii) | WHB, c/w tap,, flexible pipes | No. | 2 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **G.** | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of maintenance certificate** | | | |
| | Bottle type fire extinguishers similar to S.R.I model. | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |

| SBM Service Unit: | Montagne Blanche | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | ATM Room | TRANE -18KBTU - Wall type | 2403878550277190150045 | 1 | Maintenance by others |
| | Banking Hall | COOLAIR 30KBTU - Ceiling type | 2048420500046 | 1 | |
| | | MC QUAY 30KBTU - Wall type | 219J00452 | 1 | |
| | Manager Office | TRANE -12KBTU - Wall type | 2403878550377150120002 | 1 | Maintenance by others |
| | Computer Room | MIDEA -24KBTU - Wall type | 241476340077B130150015 | 1 | Maintenance by others |
| Generator | | FGW P11_SAE_ATS_FG WILSON | FGWPEP41LMW004896 | 1 | Maintenance by others |
| Earthing/Lightning Protection System | | SRF 363 Proline | EEMELEQU001627 | 1 | Located in Banking hall |
| Line Voltage Monitor | | | | | |
| Lighting | ATM Area (external) | Hublot type lighting diffuser with E27 fitting | | 1 | |
| | ATM room (internal) | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | External Areas | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | Banking Hall | Lighting fitting c/w cover - 4ft fluorescent tube | | 7 | |
| | CSR & Tellers | Lighting fitting c/w cover - 4ft fluorescent tube | | 2 | |
| | Corridor | Lighting fitting - 4ft fluorescent tube | | 2 | |
| | Kitchen & Mess room | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Manager Office | Lighting fitting c/w cover - 4ft fluorescent tube | | 2 | |
| | Toilet Area | Lighting fitting for econo type bulb | | 2 | |
| | Vault | Lighting fitting - 4ft fluorescent tube | | 1 | |
| UPS | | UPS 6.0 KVA | R4461A0773 | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 2 | |
| | Teller Counters | 16A socket outlet (French type) | | 6 | |
| | CSR Areas | 16A socket outlet (French type) | | 6 | |
| | Computer Room (Kitchen) | 16A socket outlet (French type) | | 4 | |
| | Manager Office | 16A socket outlet (French type) | | 3 | |
| Power System (General Sockets) | ATM room (internal) | 13A socket outlet (French type) | | 1 | |
| | Teller Counters | 13A socket outlet (British type) | | 4 | |
| | CSR Areas | 13A socket outlet (British type) | | 3 | |
| | Kitchen & Mess room | 13A socket outlet (British type) | | 2 | |
| | Manager Office | 13A socket outlet (British type) | | 2 | |
| | Toilet Area | 13A socket outlet (British type) | | 1 | |
| Alarm System | | N/A | | | |
| CCTV System | | N/A | | | |
| Sign Board | External Area | | | | |
| | Main entrance Area | | | | |
| | ATM area | POST MOUNTED ATM SIGN | | | |
| | Roof | | | | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| **Fire Fighting** | at all units | | | | |
| Hand Dryer | | IGNA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin with pedestal | | 1 | |
| | Kitchen | Sink | | 1 | |
| | Water tank | Water tank | | 1 | |
| | Water pump | Salmson 700WT | | 1 | |
| Power Distribution unit | Non essential panel (Located in B.Hall) | Circuit breaker 100A - 4P | | 1 | |
| | | Circuit breaker 63A - 4P | | 1 | |
| | | Circuit breaker 38A - 2P | | 3 | A/C unit |
| | | Circuit breaker 32A - 2P | | 1 | |
| | | Circuit breaker 25A - 2P | | 1 | |
| | | Circuit breaker 40A - 2P | | 1 | |
| | | Timer & Contactor 20A -2P | | 1 | |
| | Essential panel (Located in B.Hall) | Main Circuit breaker 100A - 2P | | 1 | |
| | | Circuit breaker 32A - 2P | | 1 | |
| | | Circuit breaker 25A - 2P | | 2 | |
| | | Circuit breaker 10A - 2P | | 2 | |
| | | Circuit breaker 6A - 2P | | 1 | |
| | UPS panel | Circuit breaker 32A - 2P | | 2 | Input & Output UPS |
| | | Circuit breaker 16A - 2P | | 5 | |
| | | Circuit breaker 10A - 2P | | 2 | CCTV |

# SBM Mahebourg

## Electrical Installations

| Sr. No | Description | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| B. | **SURGE PROTECTION** | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, UpVoltage Protection Level 1.0KV and complete with in built fuse & enclosure. Include for all cables, circuit breakers/fuses and accessories for "Shunt" connection of the above (as per manufacturer´s recommendations) to the MDB. | No. | 1 | |
| B.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| B.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm Panel, Burglar Alarm, Access Control & CCTV) | No. | 4 | |
| | | | | |
| | | | | |
| C. | **EARTHING -Inspection and testing of Earthing system** | | | |
| | | | | |
| C.1.1 | Main Earthing for MDB | | | |
| D. | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| D.1 | DB Changeover | No. | 1 | |
| D.2 | MDB | No. | 1 | |
| D.3 | DB UPS IN | No. | 1 | |
| D.4 | DB UPS OUT | No. | 1 | |
| D.5 | SDB UPS | No. | 1 | |
| D.7 | **Isolators and Enclosure for Mechanical Equipment** | | | |
| D.7.1 | 4P 25A (For VRF Outdoor Unit) | No. | 2 | |
| D.7.2 | 2P 25A (For Domestic Water Pump Control Panel) | No. | 1 | |
| | | | | |
| G. | **CONDUITS & WIRING - TERMINAL POINTS** | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Light point | No. | 106 | |
| G.1.2 | Switch point | No. | 14 | |
| G.1.3 | PIR detector point | No. | 6 | |
| G.1.4 | Socket point | No. | 201 | |
| G.1.5 | Split AC unit point | No. | 2 | |
| G.1.6 | VRF Indoor AC unit point | No. | 10 | |
| G.1.7 | Hand Dryer point | No. | 2 | |
| G.1.8 | Fan point | No. | 1 | |
| G.2 | **Roof** | | | |
| G.2.1 | Plexo Box for Event lighting | No. | 2 | |
| G.3 | **External** | | | |
| G.3.1 | Light point | No. | 16 | |
| | | | | |
| H. | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | **Recessed Installation** | | | |
| H.1 | **Ground Floor** | | | |
| H.1.1 | Switch 1 gang 1 way, 10A | No. | 12 | |
| H.1.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| H.1.3 | PIR Presence Detector | No. | 4 | |
| H.1.4 | PIR Motion Detector with dual technology | No. | 2 | |
| H.1.5 | Hand Dryer | No. | 2 | |
| J. | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| (I) | **On Partition** | | | |
| J.1 | **Ground Floor** | | | |
| J.1.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| J.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 4 | |
| J.1.4 | Universal Socket | No. | 1 | |
| | | | | |
| (II) | **On Blockwall** | | | |
| J.2 | **Ground Floor** | | | |
| J.2.1 | Switched Socket 1 gang 13 Amps | No. | 5 | |
| J.2.2 | Socket 2 gang 13 Amps | No. | 3 | |
| J.2.3 | Socket 2 gang 16 Amps | No. | 3 | |
| J.2.4 | Socket 2 gang 13/16 Amps | No. | 1 | |
| J.2.5 | Socket RJ45 Cat 6a, 1 gang | No. | 6 | |
| J.2.6 | Universal Socket | No. | 1 | |
| | | | | |
| (III) | **On Trunking** | | | |
| J.4 | **Ground Floor** | | | |
| J.4.1 | Socket 1 gang 13 Amps | No. | 55 | |
| J.4.2 | Socket 1 gang 16 Amps | No. | 38 | |
| J.4.3 | Socket RJ45 Cat 6a, 1 gang | No. | 44 | |
| | | | | |
| (V) | **Above False Ceiling** | | | |
| J.5 | **Ground Floor** | | | |
| J.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 12 | |
| J.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| J.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| J.5.5 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 2 | |
| J.5.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| J.5.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 9 | |
| J.5.8 | Switched Socket 1 gang 13 Amps for Motorised Awning | No. | 1 | |
| | | | | |
| K. | **LUMINAIRES** | | | |
| K.1 | **Ground Floor** | | | |
| K.1.1 | Type 1 | No. | 29 | |
| K.1.2 | Type 2 | No. | 8 | |
| K.1.3 | Type 3 (a) | No. | 36 | |
| K.1.4 | Type 4 | No. | 17 | |
| K.1.5 | Type EM-1 | No. | 7 | |
| K.1.6 | Type EM-2 | No. | 6 | |
| K.1.7 | Type EM-3 | No. | 2 | |
| K.1.8 | Type EM-4 | No. | 1 | |
| K.3 | **External** | | | |
| K.3.1 | Type 3 (b) | No. | 16 | |
| | | | | |
| L. | **UPS** | | | |
| L.1 | Double online conversion 6 kVA UPS (single phase in, single phase out). | Lot | 1 | |
| | | | | |
| | CEB DPX | No. | 1 | |
| | additional electrical sockets at teller tables | No. | 5 | |

## Fire Alarm Installations

| | | | | |
|---|---|---|---|---|
| A. | **FIRE ALARM PANEL** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, 72 hr battery backup, on board printer,etc… | No. | 1 | |
| | | | | |
| | | | | |
| B. | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 11 | |
| B.1.2 | Heat Detector | No. | 1 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |

## AC & Ventilation Installations

| | | | | |
|---|---|---|---|---|
| A. | **TRANSFER GRILLE AT VAULT** | | | |
| | Transfer grille s/t ALDES AC 102D | LOT | 1 | |
| | | | | |
| B. | **TOILET EXTRACTION** | | | |
| B.1 | Inline extract Fan similar to Aldes Inline XPRO Models | | | |
| | (i) 160m³/h at 100Pa (XPRO 160) | No. | 1 | |
| C. | **VRF INDOOR UNITS AND ACCESSORIES** | | | |
| C.1 | Silent VRF air conditioning unit, to be installed flush to false ceilings. Aesthetic good looking model, 4 way diagonal air discharge flow, wireless remote control low noise, 3 fan speed, built in high speed drain pump, 230V, 50Hz (Single Phase) c/w power cables, G/S supports Easily removable centre grille with washable filter. Motorized Flaps Direct Expansion Type Evaporator. 4.5 kW (compact cassette) | | | |
| C.1.2 | 4.5 kW (compact cassette) | No. | 10 | |
| | | | | |
| D. | **VRF OUTDOOR UNITS AND ACCESSORIES** | | | |
| | **Ground Floor** | | | |
| | Outdoor mini VRF units to be located at Ground Floor Capacity: | | | |
| D.1 | 22.4 kW | No. | 2 | |
| | | | | |
| I. | **SPLIT AC DC INVERTER TYPE AT SERVER / ATM ROOMS** | | | |
| I.1 | Wall mounted DC inverter type split air conditioning system c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, silent type, wireless remote control. Outdoor unit to have G/S casing, black epoxy painted condenser fins. Single Phase: 230 V 50Hz | | | |
| I.1.1 | 3.5 kW | No. | 1 | |
| I.1.2 | 5.6 kW | No. | 1 | |
| | | | | |
| 5 | VRF indoor unit - 4.5KWc | No. | 4 | |
| 6 | VRF indoor unit - 5.6KWc | No. | 3 | |
| 7 | VRF outdoor unit - 17Kwc | No. | 2 | |
| 8 | Split AC unit cassette type - 4.5KWc | No. | 2 | |
| 9 | | | - | |
| K. | **AIR CURTAINS** | | | |
| K.1 | Air Curtain width 1200mm | No. | 1 | |
| K.2 | Air Curtain width 1500mm | No. | 1 | |

## Plumbing & Fire-Fighting Installations

| | | | | |
|---|---|---|---|---|
| A. | **EXTERNAL WASTE AND SEWER - Inspection and cleaning** | | | |
| A.1 | uPVC PN10 pipe | | | |
| A.1.1 | Ø63mm (waste pipe) (from building to Floor trap) | m | 10 | |
| A.1.2 | Ø75mm (waste pipe) (from building to gully trap) | m | 2 | |
| A.1.3 | Ø110mm (sewer pipe) (from building to manholes) | m | 4 | |
| | | | | |
| B. | **COLD WATER SUPPLY** | | | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 5 | |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 2 | |
| B.5 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 | |
| B.7 | Non Return Valve Dia 20/15 from CWA to Network to Roof | No. | 1 | |
| B.8 | Chrome plated angle valve ½"connection (High Quality)(WC/WHB/SINK/provision for water dispenser and janitor) | No. | 9 | |
| B.9 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 7 | |
| | | | | |
| C. | **WATER TANKS** | | | |
| C.1 | Roof PE water tank (volume: 500L) c/w ball cock valve dia 32mm and accessories | Lot | 1 | |
| | | | | |
| C.2 | Ground PE water tank (volume: 1000L) c/w ball cock valve dia 32mm and accessories | Lot | 1 | |
| | | | | |
| C.3 | Supply & Distribution pipes in uPVC PN 16 | | | |
| C.3.1 | Ø 32/25mm (from Ground Tank to Distribution Network) | m | 80 | |
| | | | | |
| D. | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| D.1 | Water pump set, consisting of 1 Nos. centrifugal pumps | Set | 1 | |
| | connected in parallel, horizontal type , pre-piped, pre-wired, Fully | | | |
| | factory assembled,c/w Control system, 2 Nos. stop | | | |
| | valves, 1 Nos. non-return valves Stainless steel parts. c/w | | | |
| | Anti-vibration mounting pads. Power Supply: Single phase,230V, | | | |
| | 50 Hz IP55 Class F Capacity per pump = 3m³/h @ 25m | | | |
| | | | | |
| D.2 | Float level switch for dry running control of pump set, non-mercury | Lot | 2 | |
| | type; 230V, 50Hz c/w power & control cabling and PVC sleeves | | | |
| | (Dry Run protection at ground level tank and High Level Sensor | | | |
| | at Roof Tank) Pump operates when Roof Tank is 60% and stop | | | |
| | when filled at 90% | | | |
| | | | | |
| E. | **WASTE AND SEWER - Inspection and cleaning** | | | |
| E.1 | **uPVC pipe, solvent welded, diameter** | | | |
| E.1.1 | 40mm PN6 (WHB Discharge) | m | 2 | |
| E.1.2 | 50mm PN10 (Sink & floor drain discharge) | m | 4 | |
| E.1.3 | 63mm PN6 (Waste collection) | m | 15 | |
| E.1.4 | 110mm PN6 (Sewer + Vertical Vent to roof level) | m | 20 | |
| E.1.5 | 75mm PN6 (venting on waste) | m | 4 | |
| E.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for sewer and waste pipes | Lot | 1 | |
| E.4 | P traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 3 | |
| E.6 | **PVC Vent cowl** | | | |
| E.6.1 | Dia 110mm on sewer pipe | No. | 1 | |
| E.6.2 | Dia 75mm on main waste pipe | No. | 1 | |
| E.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 4 | |
| | approval) | | | |
| | | | | |
| F. | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| F.1.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 2 | |
| | washer | | | |
| F.1.2 | WHB, c/w tap,, flexible pipes | No. | 3 | |
| F.1.3 | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| F.1.4 | Mop sink at Janitor, c/w tap, flexible pipes | No. | 1 | |
| F.1.5 | Bib Tap with SS Handle (Supply and Fix) (1/2") (External) | No. | 1 | |
| | | | | |
| G. | **FIRE EXTINGUISHERS - 6 MONTHLY SERVICING AND ISSUE OF MAINTENANCE CERTIFICATE** | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 3 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 3 | |

## SBM MESNIL BRANCH

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | TENDER QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the contract | | | |
| | | | | |
| | | | | |
| **A.** | **SURGE PROTECTION** | | | |
| | | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer´s recommendations) to the MDB. | | | |
| | | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 63A Class II/ Type 2 (For UPS) | No. | 1 | |
| | | | | |
| **B.** | **EARTHING** | | | |
| | | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| | | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB CHANGEOVER | No. | 1 | |
| C.3 | DB ISOLATOR 4P 100A | No. | 1 | |
| C.4 | DB UPS IN | No. | 1 | |
| C.5 | DB UPS OUT | No. | 1 | |
| C.6 | SDB UPS | No. | 1 | |
| | | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm$^2$ PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| | | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 81 | |
| F.1.2 | Switch point | No. | 11 | |
| F.1.3 | PIR detector point | No. | 4 | |
| F.1.4 | Socket point | No. | 89 | |
| F.1.6 | Split AC unit point | No. | 11 | |
| F.1.7 | Hand Dryer point | No. | 2 | |
| F.1.8 | Fan point | No. | 1 | |
| | | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| | | | | |
| **(I)** | **Recessed Installation** | | | |
| | | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 6 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.1.5 | PIR Presence Detector | No. | 3 | |
| G.1.6 | PIR Motion Detector with dual technology | No. | 1 | |
| | | | | |
| (i) | Hand Dryer | No. | 2 | |
| | | | | |
| **(II)** | **On Trunking** | | | |
| | | | | |
| G.2 | **Ground Floor** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| | | | | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.1.2 | Socket 1 gang 13 Amps | No. | 2 | |
| I.1.4 | Socket 2 gang 13 Amps | No. | 1 | |
| I.1.5 | Socket 2 gang 16 Amps | No. | 1 | |
| I.1.7 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 3 | |
| I.1.8 | Socket 2 gang RJ45 Cat 6a | No. | 1 | |
| I.1.9 | Universal Socket | No. | 1 | |
| **(II)** | **On Blockwall** | | | |
| | | | | |
| I.2 | **Ground Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 1 | |
| | | | | |
| I.3 | **Ground Floor** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 40 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 22 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 29 | |
| | | | | |
| **(V)** | **Above False Ceiling** | | | |
| | | | | |
| I.5 | **Ground Floor** | | | |
| I.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 11 | |
| I.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.5.5 | Socket 2 gang 13 Amps & 16 Amps for WIFI Access point | No. | 2 | |
| I.5.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.5.8 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| I.5.9 | Switched Socket 1 gang 13 Amps for Motorised Awning | No. | 1 | |
| | | | | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.1 | Type 1 (a) | No. | 14 | |
| J.1.2 | Type 2 | No. | 14 | |
| J.1.3 | Type 3 (a) | No. | 28 | |
| J.1.4 | Type 3 (b) | No. | 4 | |
| J.1.5 | Type 4 | No. | 3 | |
| J.1.6 | Type 5 | No. | 3 | |
| J.1.7 | Type EM-1 | No. | 6 | |
| J.1.8 | Type EM-2 | No. | 2 | |
| J.1.10 | Type EM-4 | No. | 2 | |
| J.1.11 | Type EM-5 | No. | 4 | |
| | | | | |
| **K.** | **UPS** | | | |
| | | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out) to the new technical room. | Lot | 1 | |
| | | | | |
| | **POWER SUPPLY FOR COLD WATER PUMP** | | | |
| 2.1 | Isolator 2P 16A Kripal IP66 | No | 1 | |
| | | | | |
| | | | | |
| | **ELECTRICAL SUPPLY FOR WALL MOUNTED EXTRACTOR FAN RFI-001** | | | |
| 1.1 | 1P+N 10A in MDB | No | 1 | |
| 2 | Power Point for Extractor Fan | | | |
| | | No | 1 | |
| | **POWER POINT FOR CEILING MOUNTED AC UNIT IN MESS ROOM** | | | |
| 3.1 | RCD 4Px32A 30mA | No | 1 | |
| 3.2 | Circuit breaker 4Px32A | No | 1 | |
| 4.1 | Rotary Isolator Kripal 3P+N 32A | No | 1 | |
| | **PLEXO LIGHT FOR EVENT LIGHT** | | | |
| 2.1 | Isolator switch DX$^3$-IS 2P 20A | No | 1 | |
| 2.2 | Plexo Box 4M with key lock | No | 1 | |

# SBM Bank(Mauritius)Ltd

## SBM PAMPLEMOUSSES

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the contract | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer´s recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs to be as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| F.1 | Light point | No. | 71 | |
| F.4 | Socket point | No. | 106 | |
| F.5 | USB socket point | No. | 0 | |
| F.6 | Split AC unit point | No. | 12 | |
| F.7 | Fan point | No. | 0 | |
| F.8 | Hand Dryer Point | No. | 2 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **G.1** | **Recessed Installation** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.1.5 | PIR Presence Detector (proposed EE815) | No. | 2 | |
| G.1.6 | PIR Motion Detector with dual technology (proposed EE805A) | No. | 3 | |
| **G.2** | **On Trunking** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 2 | |
| G.3.1 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| **I.1** | **On Partition** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.1.4 | Socket 2 gang 13 Amps | No. | 6 | |
| I.1.5 | Socket 2 gang 16 Amps | No. | 5 | |
| I.1.8 | Socket 2 gang RJ45 Cat 6a | No. | 3 | |
| **I.2** | **On Blockwall** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 3 | |
| **I.3** | **On Trunking** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 33 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 20 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 21 | |
| **I.4** | **Above False Ceiling** | | | |
| I.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 12 | |
| I.4.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.4.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.4.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.4.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| J.1 | Type 1 (a) | No. | 13 | |
| J.2 | Type 2 | No. | 18 | |
| J.3 | Type 3 (a) | No. | 15 | |
| J.4 | Type 3 (b) | No. | 6 | |
| J.5 | Type 4 (a) | No. | 11 | |
| J.7 | Type EM-1 | No. | 4 | |
| J.8 | Type EM-2 | No. | 1 | |
| J.9 | Type EM-3 | No. | 3 | |
| **K.** | **UPS** | | | |
| K.1 | 6 kVA (single phase in, single phase out) to the new technical room. | Lot | 1 | |
| L | Changeover panel 4P 125A | Lot | 1 | |
| | **External Lights, Signages and Roller shutters** | | | |
| 3.2.1 | a) Fumagalli- Model: UmbertaPOWER: 11 WLuminous intensity: 1300 lmCOLOR TEMP: 4000 K-INGRESS PROTECTION (IP): 65 | No. | 22 | |
| 3.2.2 | b)ROBUS-Cavan _ DL2 | No. | 8 | |
| 3.2.3 | c) Floodlight 30W- Robust | No. | 5 | |
| 3.2.4 | d) Spike light - kapego 8W | No. | 6 | |
| 4.1 | Main Isolator 4P100A c/w Enclosure | Lot | 1 | |
| | **Dedicated socket in store** | | | |
| 5.2 | RCBO 1P +N 16A -30mA | Lot | 1 | |
| 5.3 | Industrial socket 2pin 16A+E | Lot | 1 | |
| | **Dedicated event light and cleaning socket** | | | |
| 6.2 | RCBO 1P +N 16A -30mA | Lot | 3 | |
| 6.3 | Multistandard socket | Lot | 2 | |

### FIRE ALARM INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc... | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting | | | |
| | bases. | | | |
| B.1 | Smoke detector | No. | 10 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 1 | |
| **C.** | **LIAISON WITH FIRE SERVICES -Only during application of fire** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |

### Air Conditioning and Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **FRESH AIR INTAKE** | | | |
| | **Ground Floor** | | | |
| **B.** | **TOILET EXTRACTION** | | | |
| | **Ground Floor** | | | |
| | **Supply and install of a extractor fan** | | | |
| **C.** | Extractor fan in toilets | Lot | 2 | |
| **C.1** | **Ground Floor** | | | |
| C.1.1 | DC inverter wall mounted type split air conditioning system c/w | | | |
| | indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| (i) | 5.3kWc | No. | 3 | |
| C.1.2 | 4 way cassette type DC inverter type split air conditioning system c/w | | | |
| | indoor and and outdoor units R410a refrigerant, 3 fan speed, silent | | | |
| | type, wireless remote control. Outdoor unit to have G/S casing, | | | |
| | black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| (i) | 7.0kWc | No. | 3 | |
| **D.** | **EXISTING FUNCTIONING SPLIT UNITS** | | | |
| | **(INDOOR & OUTDOOR UNITS)** | | | |
| **D.1** | **Ground Floor** | | | |
| D.1.2 | Existing, functioning split AC units. | | | |
| (i) | 3.5kWc/12000 Btu/hr (wall mounted split unit) | No. | 2 | |
| (ii) | 7.0kWc/24000 Btu/hr (wall mounted split unit) | No. | 1 | |
| (iii) | 10.5kWc/36000 Btu/hr (Ceiling/Floor Mounted split unit) | No. | 2 | |
| | **Supply and install of a 7kW Ceiling type AC** | | | |
| | Ceiling type AC | No | 1 | |

### Plumbing & Fire-Fighting Installations

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **EXTERNAL WASTE AND SEWER** | | | |
| | Supply and install the following: | | | |
| A.1 | uPVC PN10 pipe | | | |
| (i) | Ø63mm (waste pipe) (from building to gully trap) | m | 13 | |
| (ii) | Ø110mm (sewer pipe) (from buildings to manholes) | m | 5 | |
| A.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid | m | 7 | |
| | underground between sewer manholes & to septic tank) Ø160mm | | | |
| | (Note: All existing sewer manholes on site are in concrete by MC. | | | |
| | Plumbing contractor to liaise with MC for laying of underground | | | |
| | pipes) | | | |
| A.3 | Inspect, cmean and maintain existing septic tank, waste | sum | 1 | |
| | sewer disposal and pipes if required. | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| | Supply and install the following: | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø32/25mm | m | 18 | |
| (ii) | Ø25/20mm | m | 11 | |
| (iii) | Ø20/15mm | m | 12 | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 1 | |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 1 | |
| B.4 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 1 | |
| B.5 | uPVC pressure fittings, rated to PN16, Solvent welded, Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. (ALL | | | |
| | DIMENSIONS FOR COMPLETE INSTALLATION) | | | |
| B.6 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| | (COMPLETE INSTALLATION) | | | |
| B.7 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.8 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.9 | Chrome plated angle valve ½"connection (High Quality) | No. | 8 | |
| | (WC/WHB/SINK) | | | |
| B.10 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 6 | |
| **C.** | **WATER TANKS** | | | |
| C.1 | Above ground PE water tank (volume: 1500L) c/w fittings and accessories | Lot | 1 | |
| | as specified in drawing. | | | |
| C.2 | Distribution pipes in uPVC PN 16 | | | |
| (i) | Ø 32/25mm (from CWA to Water Tank to pump ) | m | 10 | |
| **D.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| D.1 | Domestic water pump set, consisting of 1 Nos. centrifugal pumps | Set | 1 | |
| | connected in parallel, horizontal type , pre-piped, pre-wired, Fully | | | |
| | factory assembled,c/w Control panel, pressure vessel, 4 Nos. stop | | | |
| | valves, 2 Nos. non-return valves. Operating in sequential and | | | |
| | cascade mode. Stainless steel parts, c/w Anti-vibration mounting | | | |
| | pads. Power Supply: 3 phase, 400V, 50 Hz IP55 Class F Capacity | | | |
| | per pump = 3m^/h @ 25m Pressure vessel (c/w manometer) = 50L | | | |
| D.2 | Float level switch for dry running control of pump set, non-mercury | Lot | 1 | |
| | type, 230V, 50Hz c/w power & control cabling and PVC sleeves | | | |
| D.3 | Quarter-turn valve, 3/4" (Ø 25/20 mm connection) at Pressure | No. | 1 | |
| | vessel | | | |
| **E.** | **WASTE AND SEWER** | | | |
| | Inspec, maintrain and clean during planned maintenance | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 6 | |
| (ii) | 50mm PN10 (Sink & floor drain discharge) | m | 4 | |
| (iii) | 63mm PN6 | m | 4 | |
| (iv) | 110mm PN6 (Sewer) | m | 5 | |
| (v) | 50mm PN6 (venting) | m | 4 | |
| E.2 | uPVC fittings, rated to PN6 and PN8, Solvent welded, Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. (ALL DIMENSIONS | | | |
| | FOR COMPLETE INSTALLATION) | | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | COMPLETE INSTALLATION of sewer and waste pipes | | | |
| E.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 | |
| E.6 | PVC Vent cowl | No. | 2 | |
| E.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch approval) | No. | 6 | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 2 | |
| | washer | | | |
| (ii) | WHB, c/w tap,, flexible pipes | No. | 2 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **G.** | **FIRE EXTINGUISHERS - 6 MONTHLY SERVICING AND ISSUE** | | | |
| | **OF MAINTENANCE CERTIFICATE** | | | |
| | Bottle type fire extinguishers,similar to S.R.I model: | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |

| SBM Service Unit: | Plaine Magnien | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| | Banking Hall | MIDEA - 36KBTU (Ceiling type) | 3415395950283060160058 | 1 | Maintenance by others |
| | | MIDEA - 36KBTU (Ceiling type) | 3415395950283060160062 | 1 | Maintenance by others |
| | | MIDEA - 24KBTU (WALL type) | 3415395950283060160029 | 1 | Maintenance by others |
| | | MIDEA - 12KBTU (WALL type) | 2403878550177120120033 | 1 | Maintenance by others |
| | | MIDEA - 12KBTU (WALL type) | 2403878550177120120021 | 1 | Maintenance by others |
| | Computer Room | PANASONIC - 18KBTU (Wall type) | | 1 | |
| Fan | Mess room | CMC - Wall mounted fan | | 1 | |
| Generator | | GENERATOR - Manual type CGM10BE_WHEELS | 16403/18 | 1 | Maintenance by others |
| | | Manual switchgear - Legrand | | 1 | |
| Earthing/Lightning Protection System | | Proline SRF 363 (3 phased) | EEMELEQU001617 | 1 | |
| Lighting | ATM Area (external) | | | | |
| | Banking Hall | Lighting fitting - 4ft fluorescent tube | | 9 | |
| | Teller Counters | Lighting fitting - 4ft fluorescent tube | | 4 | |
| | Manager Office | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Mess Room | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting - 2ft fluorescent tube | | 2 | |
| | Vault | Lighting fitting - 4ft fluorescent tube | | 1 | |
| UPS | | UPS 6.0 KVA - Powerware | R461A0759 | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 1 | |
| | Teller Counters | 16A socket outlet (French type) | | 9 | |
| | CSR Areas | 16A socket outlet (French type) | | 9 | |
| | Computer Room | 16A socket outlet (French type) | | 3 | |
| | Manager Office | 16A socket outlet (French type) | | 3 | |
| Power System (General socket) | Banking Hall | 13A socket outlet (British type) | | 1 | |
| | Teller Counters | 13A socket outlet (British type) | | 3 | |
| | CSR Areas | 13A socket outlet (British type) | | 3 | |
| | Kitchen | 13A socket outlet (British type) | | 2 | |
| | Manager Office | 13A socket outlet (British type) | | 1 | |
| Alarm System | | N/A | | | |
| Fire Fighting | | Fire extinguisher (Co2 - 2.5Kg) | | 1 | |
| CCTV System | | N/A | | | |
| Signage system | Main entrance Area | | | | |
| | ATM area | | | | |
| | Roof | | | | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 360lt - IGNIS | | 1 | |
| Hand Dryer | | INDA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin with pedestal | | 1 | |
| | Kitchen | Sink | | 1 | |
| | Water Tank | Fibre glass - 1000Lts | | 1 | |
| Power Distribution unit | Main DB | Circuit breaker 63A - 4P | | 1 | |
| | | RCD 63A - 4P | | 1 | |
| | | Breaker unit with fuse - MEM | | 3 | A/C units |
| | | Circuit breaker 10A | | 1 | Non essential |
| | | Contactor & timer 20A | | 1 | Non essential |
| | | Circuit breaker 40A - 4P | | 1 | Essential |
| | | Circuit breaker 20A - 2P | | 3 | Essential |
| | | Circuit breaker 15A - 2P | | 2 | Essential |
| | UPS panel | Circuit breaker 32A - 2P | | 1 | |
| | | Circuit breaker 32A - 2P | | 1 | |
| | | Circuit breaker 5A | | 1 | |
| | | Circuit breaker 10A | | 3 | Socket outlet |

**SBM PLAINE CORAIL - Rodrigues**

ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the agreement | | | |
| | | | | |
| **A.** | **SURGE PROTECTION** | | | |
| | | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 0 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer´s recommendations) to the MDB. | | | |
| | | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 3 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| | | | | |
| **B.** | **EARTHING** | | | |
| | | | | |
| B.1 | Inpection and testing of the earthing system. | Lot | 1 | |
| | | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. | | | |
| | All DBs are as per on site schematic drawings and specifications and include | | | |
| | 30% spare capacity. | | | |
| | | | | |
| C.1 | NEW MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 0 | |
| **E.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets** | | | |
| | | | | |
| E.1 | Light point | No. | 17 | |
| E.2 | Switch point | No. | 4 | |
| E.4 | Socket point | No. | 31 | |
| E.6 | Split AC unit point | No. | 3 | |
| | | | | |
| **F.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Electrical accessories, proprietary back boxes, clip- on brackets, support frames, cover plates and other accessories required for recessed/surface mounting where applicable. | | | |
| | | | | |
| **F.1** | **Surface Installation** | | | |
| | | | | |
| F.1.1 | Switch 1 gang 1 way, 10A | No. | 2 | |
| F.1.3 | Switch 2 gang 1 way, 10A | No. | 1 | |
| **H.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Accessories (clip-on support, frames, etc.) for mounting power sockers onto trunkings, blockwall & partition. | | | |
| | | | | |
| **H.1** | **On Partition** | | | |
| H.1.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| H.1.2 | Socket 1 gang 16 Amps | No. | 6 | |
| H.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 4 | |
| **H.3** | **On Trunking** | | | |
| | | | | |
| H.3.1 | Switched Socket 1 gang 13 Amps | No. | 8 | |
| H.3.2 | Socket 1 gang 16 Amps | No. | 8 | |
| H.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 8 | |
| | | | | |
| **H.4** | **On Ceiling** | | | |
| | | | | |
| H.4.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 1 | |
| H.4.8 | Switched Socket 1 gang 13 Amps | No. | 1 | |
| H.4.9 | Socket 1 gang 16 Amps | No. | 1 | |
| **I.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| | | | | |
| I.2 | Type 2(New Luminaires) | No. | 6 | |
| I.7 | Type 6 | No. | 2 | |
| I.12 | Type EM-5 | No. | 3 | |
| | | | | |
| **J.** | **UPS** | | | |
| | | | | |
| J.1 | 6 kVA (single phase in, single phase out) to the new server room. | Lot | 0 | |
| | **FIRE ALARM INSTALLATIONS** | | | |
| **A.** | **FIRE ALARM PANEL - Inspection And report any faults to third party contractor** | | | |
| | | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 0 | |
| | supply, 72 hr battery backup, on board printer,etc… | | | |
| | | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting | | | |
| | bases. | | | |
| | | | | |
| B.1 | Smoke detector | No. | 2 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 1 | |
| B.4 | Electronic Sounder | No. | 1 | |
| | | | | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of fire certificate** | | | |
| | | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |
| | HVAC Installations | | | |
| **A.** | **SPLIT AC UNIT** | | | |
| | **(Supply and Installation of New Split AC)** | | | |
| A.1 | DC inverter Ceiling mounted type split air conditioning system c/w indoor and | | | |
| | and outdoor units R410a refrigerant, 3 fan speed, silent type, wireless | | | |
| | remote control. Outdoor unit to have G/S casing, black epoxy painted | | | |
| | condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| (i) | **10.5 kWc (new)** | **No.** | **1** | |
| | | | | |
| **B.** | **EXISTING FUNCTIONING SPLIT UNITS(INDOOR & OUTDOOR UNITS)** | | | |
| B.2 | Existing, functioning split AC units. Review existing split AC | | | |
| | unit Piping,trunking and insulation Supply and install damaged | | | |
| | Piping,trunking and insulation if any. Hot dipped G/S supports, | | | |
| | hangers, rawl bolts, cable trays, thick rubber vibration isolators (all | | | |
| | similar to MUPRO) for holding all indoor and outdoor units and pipings. | | | |
| (i) | 3.5 kWc (existing indoor unit at branch) | No. | 2 | |
| | | | | |
| G.1 | **Additional** | | | |
| | Computer room | No | 1 | |
| | New AC of 18,000 btu | | | |
| | **PLUMBING AND FIRE FIGHTING INSTALLATIONS** | | | |
| **A.** | **COLD WATER SUPPLY** | | | |
| A.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø20/15mm | m | 15 | |
| (i) | Ø25/20mm | m | 0 | |
| | | | | |
| A.2 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc | | | |
| | | | | |
| A.3 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| | | | | |
| A.5 | Miniball valve ½"connection (High Quality) | No. | 1 | |
| | (SINK) | | | |
| | | | | |
| **B.** | **WASTE NETWORK** | | | |
| | | | | |
| B.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | Ø50mm PN10 (Sink discharge) | m | 15 | |
| (ii) | Ø110mm PN10 (Sink discharge stack to existing manhole) | m | 1 | |
| | | | | |
| B.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| | | | | |
| B.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | COMPLETE INSTALLATION of waste pipes | | | |
| | | | | |
| B.4 | Bottle trap (vertical inlet, horizontal outlet), 50 mm at sink | No. | 1 | |
| **D.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| D.1 | Plumbing connections:Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| | | | | |
| **E.** | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of maintenance certificate** | | | |
| | | | | |
| | Bottle type fire extinguishers,similar to S.R.I model: | | | |
| E.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 1 | |
| E.2 | 4.0 kg ABC Dry chemical powder type | No. | 1 | |
| | | | | |

# SBM New Pope Hennessy

## Electrical Installations

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | | | | |
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - | | | |
| | IEE Wiring Regulations - Eighteenth Edition published by the British | | | |
| | Standards Institution. This document shall serve as a reference throughout | | | |
| | the duration of the agreement | | | |
| | | | | |
| **B.** | **SURGE PROTECTION** | | | |
| | | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, UpVoltage | No. | 1 | |
| | Protection Level 1.0KV and complete with in built fuse & enclosure. Include | | | |
| | for all cables, circuit breakers/fuses and accessories for "Shunt" | | | |
| | connection of the above (as per manufacturer´s recommendations) to the | | | |
| | MDB. | | | |
| | | | | |
| B.2 | Surge Reduction Filter 3Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| | | | | |
| B.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm Panel, | No. | 4 | |
| | Burglar Alarm, Access Control & CCTV) | | | |
| | | | | |
| **C.** | **EARTHING** | | | |
| | Inspection and Testing of all Earthing system | | | |
| | Earth resistance < 2.5 Ω. Allow for test links. | | | |
| | | | | |
| **D.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing terminals, | | | |
| | busbars and engraved labels. All DBs are as per on site schematic drawings and | | | |
| | specifications and include 30% spare capacity. | | | |
| | | | | |
| D.1 | DB Changeover | No. | 1 | |
| D.2 | MDB Mezz | No. | 1 | |
| D.3 | DB UPS IN | No. | 1 | |
| D.4 | DB UPS OUT | No. | 1 | |
| D.5 | DB UPS Mezz | No. | 1 | |
| D.6 | SDB GF | No. | 1 | |
| D.7 | SDB UPS GF | No. | 1 | |
| | | | | |
| D.9.1 | 4P 40A (For VRF Outdoor Unit) | No. | 2 | |
| | | | | |
| **G.** | **CONDUITS & WIRING** | | | |
| | | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm$^2$ PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| (c) | **3C x 2.5mm$^2$ PVC/SWA/PVC Cu cable for external light points.** | | | |
| | | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Light point | No. | 121 | |
| G.1.2 | Switch point | No. | 21 | |
| G.1.3 | PIR detector point | No. | 2 | |
| G.1.4 | Socket point | No. | 121 | |
| G.1.5 | Split AC unit point | No. | 1 | |
| G.1.6 | VRF Indoor AC unit point | No. | 11 | |
| G.1.7 | VRF Indoor AC unit point | No. | 2 | |
| G.1.8 | Hand Dryer point | No. | 1 | |
| | | | | |
| G.2 | **Mezzanine Floor** | | | |
| G.2.1 | Light point | No. | 139 | |
| G.2.2 | Switch point | No. | 15 | |
| G.2.3 | PIR detector point | No. | 11 | |
| G.2.4 | Socket point | No. | 65 | |
| G.2.5 | Split AC unit point | No. | 1 | |
| G.2.6 | VRF Indoor AC unit point | No. | 12 | |
| G.2.7 | Hand Dryer point | No. | 5 | |
| G.2.8 | Fan point | No. | 1 | |
| | | | | |
| G.3 | HDMI Cabling | | | |
| | Allow for HDMI cabling from TV Screen in meeting rooms to meeting table. | No. | 2 | |
| | | | | |
| **H.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required for | | | |
| | recessed/surface mounting where applicable. | | | |
| **(I)** | **Recessed Installation** | | | |
| | | | | |
| H.1 | **Ground Floor** | | | |
| H.1.1 | Switch 1 gang 1 way, 10A | No. | 15 | |
| H.1.2 | Switch 1 gang 2 way, 10A | No. | 3 | |
| H.1.3 | Switch 2 gang 1 way, 10A | No. | 1 | |
| H.1.4 | Switch 2 gang 1 way, 10A | No. | 2 | |
| H.1.5 | PIR Motion Detector with dual technology | No. | 2 | |
| | | | | |
| H.1.6 | Hand Dryer | No. | 1 | |
| | | | | |
| H.2 | **Mezzanine Floor** | | | |
| H.2.1 | Switch 1 gang 1 way, 10A | No. | 10 | |
| H.2.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| H.2.3 | Switch 2 gang 1 way, 10A | No. | 4 | |
| H.2.3 | PIR Presence Detector | No. | 1 | |
| H.2.4 | PIR Motion Detector with dual technology | No. | 10 | |
| | | | | |
| H.2.5 | Hand Dryer | No. | 5 | |
| | | | | |
| **J.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| J.1 | **Ground Floor** | | | |
| J.1.1 | Switched Socket 1 gang 13 Amps | No. | 18 | |
| J.1.2 | Socket 1 gang 16 Amps | No. | 4 | |
| J.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 17 | |
| J.1.4 | Universal Socket | No. | 2 | |
| J.1.5 | HDMI Socket | No. | 2 | |
| | | | | |
| J.2 | **Mezzanine Floor** | | | |
| J.2.1 | Switched Socket 1 gang 13 Amps | No. | 18 | |
| J.2.2 | Socket 1 gang 16 Amps | No. | 12 | |
| J.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 12 | |
| J.2.4 | Universal Socket | No. | 2 | |
| | | | | |
| **(II)** | **On Blockwall** | | | |
| | | | | |
| J.3 | **Ground Floor** | | | |
| J.3.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| J.3.2 | Socket 1 gang 16 Amps | No. | 4 | |
| J.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| | | | | |
| **(III)** | **On Trunking** | | | |
| | | | | |
| J.5 | **Ground Floor** | | | |
| J.5.1 | Socket 1 gang 13 Amps | No. | 43 | |
| J.5.2 | Socket 1 gang 16 Amps | No. | 38 | |
| J.5.3 | Socket RJ45 Cat 6a, 1 gang | No. | 35 | |
| | | | | |
| J.6 | **Mezzanine Floor** | | | |
| J.6.1 | Socket 1 gang 13 Amps | No. | 15 | |
| J.6.2 | Socket 1 gang 16 Amps | No. | 12 | |
| J.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 12 | |
| J.6.4 | HDMI Socket | No. | 2 | |
| | | | | |
| **(IV)** | **Above False Ceiling** | | | |
| | | | | |
| J.7 | **Ground Floor** | | | |
| J.7.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 12 | |
| J.7.2 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| J.7.3 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 3 | |
| J.7.4 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 3 | |
| J.7.5 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 4 | |
| J.7.6 | Switched Socket 1 gang 13 Amps for Air Curtain | No. | 2 | |
| | | | | |
| J.8 | **Mezzanine Floor** | | | |
| J.8.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 13 | |
| J.8.2 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| J.8.3 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| J.8.4 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 3 | |
| J.8.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 3 | |
| | | | | |
| **K.** | **LUMINAIRES** | | | |
| | | | | |
| K.1 | **Ground Floor** | | | |
| K.1.1 | Type 1 | No. | 20 | |
| K.1.2 | Type 2 | No. | 3 | |
| K.1.3 | Type 3 (a) | No. | 38 | |
| K.1.4 | Type 3 (b) | No. | 2 | |
| K.1.5 | Type 4 | No. | 12 | |
| K.1.6 | Type 5 | m | 14 | |
| K.1.7 | Type 6 | No. | 14 | |
| K.1.9 | Type EM-1 | No. | 5 | |
| K.1.10 | Type EM-2 | No. | 11 | |
| K.1.11 | Type EM-3 | No. | 2 | |
| | | | | |
| K.2 | **Mezzanine Floor** | | | |
| K.2.1 | Type 1 | No. | 23 | |
| K.2.2 | Type 2 | No. | 3 | |
| K.2.3 | Type 3 (a) | No. | 88 | |
| K.2.5 | Type 4 | No. | 5 | |
| K.2.6 | Type EM-1 | No. | 6 | |
| K.2.7 | Type EM-2 | No. | 12 | |
| K.2.8 | Type EM-4 | No. | 1 | |
| K.2.9 | Type 7 | No. | 1 | |
| | | | | |
| **L.** | **UPS** | | | |
| | | | | |
| L.1 | Double online conversion 10 kVA UPS (three phase in, three phase out). | Lot | 1 | |
| | | | | |

## Fire Alarm Installations

**SBM Port Mathurin**

## ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a reference | | | |
| | throughout the duration of the agreement. | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and accessories | | | |
| | for "Shunt" connection of the above (as per manufacturer´s | | | |
| | recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB GF | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| C.5 | SDB 1F | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand** | | | |
| | **dryer points.** | | | |
| **F.1** | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 45 | |
| F.1.2 | Switch point | No. | 11 | |
| F.1.3 | PIR detector point | No. | 3 | |
| F.1.4 | Socket point | No. | 68 | |
| F.1.6 | Indoor AC unit point | No. | 8 | |
| **F.2** | **First Floor** | | | |
| F.2.1 | Light point | No. | 46 | |
| F.2.2 | Switch point | No. | 8 | |
| F.2.3 | PIR detector point | No. | 5 | |
| F.2.4 | Socket point | No. | 37 | |
| F.2.6 | Indoor AC unit point | No. | 6 | |
| F.2.7 | Fan point | No. | 2 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required | | | |
| | for recessed/surface mounting where applicable. | | | |
| **G.1** | **Ground Floor** | | | |
| | Recessed Installation | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 12 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| **G.2** | **First Floor** | | | |
| | Recessed Installation | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.2.5 | PIR Presence Detector | No. | 2 | |
| G.2.6 | PIR Motion Detector with dual technology | No. | 4 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| I.1. | On Partition | | | |
| **I.1.1** | **Ground Floor** | | | |
| I.1.1.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.1.1.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.1.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| **I.1.2** | **First Floor** | | | |
| I.1.2.1 | Switched Socket 1 gang 13 Amps | No. | 5 | |
| I.1.2.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.1.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.2 | On Blockwall | | | |
| **I.2.1** | **Ground Floor** | | | |
| I.2.1.1 | Switched Socket 1 gang 13 Amps | No. | 8 | |
| I.2.1.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.2.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 6 | |
| **I.2.2** | **First Floor** | | | |
| I.2.2.1 | Switched Socket 1 gang 13 Amps | No. | 5 | |
| I.2.2.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.3 | On Trunking | | | |
| **I.3.1** | **Ground Floor** | | | |
| I.3.1.1 | Switched Socket 1 gang 13 Amps | No. | 28 | |
| I.3.1.2 | Socket 1 gang 16 Amps | No. | 23 | |
| I.3.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 23 | |
| **I.3.2** | **First Floor** | | | |
| I.3.2.1 | Switched Socket 1 gang 13 Amps | No. | 16 | |
| I.3.2.2 | Socket 1 gang 16 Amps | No. | 15 | |
| I.3.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 16 | |
| I.5 | Above False Ceiling | | | |
| **I.5.1** | **Ground Floor** | | | |
| I.5.1.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 8 | |
| I.5.1.5 | Socket RJ45, Cat 6a, 1 gang for W/FiExtender Point | No. | 2 | |
| I.5.1.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| **I.5.2** | **First Floor** | | | |
| I.5.2.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 6 | |
| I.5.2.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 2 | |
| I.5.2.5 | Socket RJ45, Cat 6a, 1 gang for W/FiExtender Point | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.2 | Type 2 | No. | 10 | |
| J.1.3 | Type 3 | No. | 18 | |
| J.1.4 | Type 4 | No. | 10 | |
| J.1.5 | Type EM-1 | No. | 3 | |
| J.1.6 | Type EM-2 | Lot | 3 | |
| **J.2** | **First Floor** | | | |
| J.2.1 | Type 1 | No. | 9 | |
| J.2.2 | Type 2 | No. | 4 | |
| J.2.3 | Type 3 | No. | 20 | |
| J.2.4 | Type 4 | No. | 7 | |
| J.2.5 | Type EM-1 | No. | 4 | |
| J.2.6 | Type EM-2 | No. | 2 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out)and 1 no. SRF rated 2P 40A | Lot | 1 | |

## FIRE ALARM INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL** | | | |
| | To inspect and report to third party contractor for any faults | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc… | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field devices | | | |
| | to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 8 | |
| B.1.2 | Heat Detector | No. | 0 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 5 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 2 | |
| B.2.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of fire** | | | |
| | **certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |

## Air Conditioning and Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **FRESH AIR INTAKE** | | | |
| | **Ground Floor** | | | |
| A.1 | Wall mounted transfer grille above door Aluminium | | | |
| | construction, colour to Arch. approval | | | |
| | (i) Size 200 x 150, rated 100 m³/hr | No. | 2 | |
| **B.** | **TOILET EXTRACTION** | | | |
| | **First Floor** | | | |
| C.1 | Wall extract fan, ABS construction, non-return shutter, low | No. | 1 | |
| | noise operation, low energy consumption, 230V, 50Hz, Fan | | | |
| | operates on light switch. Capacity as per below: 80m3/h @ | | | |
| | free flow (s/t ALDES DESIGN 100 series) | | | |
| **D.** | **SPLIT AC UNIT** | | | |
| **D.1** | **Ground Floor** | | | |
| D.1.1 | DC inverter type split air conditioning system c/w indoor and | | | |
| | and outdoor units R410a refrigerant, 3 fan speed, silent | | | |
| | type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| | Wall-Mounted Type AC Unit | | | |
| (i) | 3.5kWC | No. | 1 | |
| (ii) | 5.3kWc | No. | 3 | |
| **D.2** | **First Floor** | | | |
| D.2.1 | DC inverter type split air conditioning system c/w indoor and | | | |
| | and outdoor units R410a refrigerant, 3 fan speed, silent | | | |
| | type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| | *Wall-Mounted Type AC Unit* | | | |
| (i) | 3.5kWc | No. | 3 | |
| **E.** | **EXISTING FUNCTIONING SPLIT UNITS** | | | |
| E.1 | **Ground Floor** | | | |
| E.1.2 | existing, functioning AC split units including | | | |
| | refrigerant piping, condensate drain pipe, insulation, etc. | | | |
| | with new timers to enable | | | |
| (i) | 3.5kWc (wall mounted split unit) | No. | 2 | |
| (ii) | 5.3kWc (wall mounted split unit) | No. | 1 | |

## PLUMBING & FIRE-FIGHTING INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| | **GROUND FLOOR** | | | |
| **B.** | **EXTERNAL PLUMBING** | | | |
| B.1 | uPVC PN10 pipe | | | |
| (i) | Ø50mm (waste pipe) (from building to gully trap) | m | 20 | |
| (ii) | Ø110mm (sewer pipe) (from buildings to manholes) | m | 2 | |
| | **FIRST FLOOR** | | | |
| **C.** | **COLD WATER SUPPLY** | | | |
| C.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø20/15mm | m | 5 | |
| (ii) | Ø25/20mm | m | 15 | |
| C.2 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 1 | |
| C.3 | uPVC pressure fittings, rated to PN16, Solvent welded. Reducers, Tees, Elbows, Unions, mal | Lot | 1 | |
| | adaptors, female adaptors, transition fittings, threaded sockets at all valves and | | | |
| | flexible pipes, etc. | | | |
| C.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| C.5 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| C.6 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| C.7 | Chrome plated angle valve ½"connection (High Quality) (WC/WHB/SINK) | No. | 4 | |
| C.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 4 | |
| **D.** | **WASTE AND SEWER** | | | |
| D.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 2 | |
| (ii) | 50mm PN8 (Sink discharge) | m | 15 | |
| (iii) | 110mm PN8 (Sewer) | m | 7 | |
| D.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| D.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 1 | |
| D.6 | PVC 110mm pan adaptor (plastic) | No. | 2 | |
| D.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch approval) | No. | 3 | |
| **E.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor | No. | 2 | |
| (ii) | WHB, c/w tap,, flexible pipes | No. | 1 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **F.** | **FIRE EXTINGUISHERS (GF & 1F) - 6 monthly servicing and issue of** | | | |
| | **maintenance certificate** | | | |
| | Bottle type fire extinguishers, similar to S.R.I model. | | | |
| F.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| F.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |

## SBM SSR STREET (New Plaine Verte)

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the agreement | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer´s recommendations) to the MDB. | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| | **DB on GF** | | | |
| C.1 | Combine DB on for essential ( MDB GF/E+ MDB Mezz/E) | | | |
| C.2 | Combine DB on for NON essential ( MDB GF/NE + DB Mezz/NE) | No. | 1 | |
| C.5 | DB UPS IN | No. | 1 | |
| C.6 | DB UPS OUT | No. | 1 | |
| C.7 | SDB UPS | No. | 1 | |
| C.10.1 | 4P 20A (For VRV Outdoor Unit) | No. | 2 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB** | | | |
| | **sockets & hand dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 51 | |
| F.1.2 | Switch point | No. | #REF! | |
| F.1.3 | PIR detector point | No. | 2 | |
| F.1.4 | Socket point | No. | #REF! | |
| F.1.6 | Split AC unit point | No. | 2 | |
| F.1.8 | HDMI Cabling | | | |
| | Allow for HDMI cabling from TV Screen in meeting rooms to | No. | 1 | |
| | meeting table. | | | |
| F.2 | **Mezzanine Floor** | | | |
| F.2.1 | Light point | No. | 45 | |
| F.2.2 | Switch point | No. | 8 | |
| F.2.3 | PIR detector point | No. | 1 | |
| F.2.4 | Socket point | No. | #REF! | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **(i)** | **Recessed Installation** | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 3 | |
| G.1.5 | PIR Presence Detector | No. | 2 | |
| G.2 | **Mezzanine Floor** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.2.5 | PIR Presence Detector | No. | 1 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| **(i)** | **On Partition** | | | |
| I.2 | **Mezzanine Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 6 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 6 | |
| **(ii)** | **On Blockwall** | | | |
| I.3 | **Ground Floor** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.4 | **Mezzanine Floor** | | | |
| 1.4.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| **(iii)** | **On Trunking** | | | |
| I.5 | **Ground Floor** | | | |
| I.5.1 | Switched Socket 1 gang 13 Amps | No. | 29 | |
| I.5.2 | Socket 1 gang 16 Amps | No. | 23 | |
| I.5.3 | Socket RJ45 Cat 6a, 1 gang | No. | 20 | |
| I.6 | **Mezzanine Floor** | | | |
| I.6.1 | Switched Socket 1 gang 13 Amps | No. | 17 | |
| I.6.2 | Socket 1 gang 16 Amps | No. | 13 | |
| I.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 15 | |
| **(iv)** | **On Writing Desk & Meeting Table** | | | |
| | **Pop-up box type 1 - 2 modules one and** | | | |
| | **equipped with 1X13A switched + 1XRJ45 sockets.** | | | |
| I.7 | **Ground Floor** | | | |
| I.7.1 | Pop-up box Type 1 | No. | 1 | |
| I.8 | **Ground Floor** | | | |
| I.8.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 9 | |
| I.8.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.8.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.8.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 4 | |
| I.9 | **Mezzanine Floor** | | | |
| I.9.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 8 | |
| I.9.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.1 | Type 1 | No. | 10 | |
| J.1.2 | Type 2 | No. | 10 | |
| J.1.3 | Type 3 | No. | 15 | |
| J.1.4 | Type 4 | No. | 6 | |
| J.1.5 | Type EM-1 | No. | 4 | |
| J.1.6 | Type EM-2 | No. | 3 | |
| J.1.7 | Type EM-3 | No. | 3 | |
| **J.2** | **Mezzanine Floor** | | | |
| J.2.2 | Type 2 | No. | 29 | |
| J.2.4 | Type 4 | No. | 9 | |
| J.2.7 | Type EM-3 | No. | 7 | |
| **K.** | **UPS** | | | |
| K.1 | Supply, Test and Commission of 1 no. UPS rated 6 kVA (sinple | Lot | 1 | |
| | phase in, single phase out). | | | |

| SBM QUARTIER MILITAIRE | | | | |
|---|---|---|---|---|
| ELECTRICAL INSTALLATIONS | | | | |
| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - IEE | | | |
| | Wiring Regulations - Eighteenth Edition published by the British Standards | | | |
| | Institution. This document shall serve as a reference throughout the duration of the | | | |
| | agreement | | | |
| | | | | |
| **A.** | **SURGE PROTECTION** | | | |
| | | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and accessories | | | |
| | for "Shunt" connection of the above (as per manufacturer´s | | | |
| | recommendations) to the MDB. | | | |
| | | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| | | | | |
| **B.** | **EARTHING** | | | |
| | | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| | | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs to be as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| | | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand** | | | |
| | **dryer points** | | | |
| | | | | |
| F.1 | Light point | No. | 90 | |
| F.2 | Switch point | No. | 18 | |
| F.3 | PIR detector point | No. | 7 | |
| F.4 | Socket point | No. | 145 | |
| F.6 | Split AC unit point | No. | 11 | |
| F.7 | Fan point | No. | 2 | |
| | | | | |
| F.8.1 | Allow for HDMI cabling from TV Screen in meeting rooms to meeting | No. | 1 | |
| | table. | | | |
| | | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required | | | |
| | for recessed/surface mounting where applicable. | | | |
| | | | | |
| | Recessed Installation | | | |
| G.1 | Switch 1 gang 1 way, 10A | No. | 16 | |
| G.2 | Switch 1 gang 2 way, 10A | No. | 4 | |
| G.5 | PIR Presence Detector | No. | 2 | |
| G.6 | PIR Motion Detector with dual technology | No. | 8 | |
| | | | | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| | | | | |
| I.1. | On Partition | | | |
| | | | | |
| I.1 | Switched Socket 1 gang 13 Amps | No. | 13 | |
| I.2 | Socket 1 gang 16 Amps | No. | 5 | |
| I.3 | Socket RJ45 Cat 6a, 1 gang | No. | 3 | |
| I.10 | HDMI Socket | No. | 1 | |
| | | | | |
| I.2 | On Blockwall | | | |
| | | | | |
| 1.2.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| I.3 | On Trunking | | | |
| | | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 43 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 35 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 35 | |
| I.3.5 | HDMI Socket | No. | 1 | |
| | | | | |
| I.4 | On Writing Desk & Meeting Table | | | |
| | | | | |
| | **Pop-up box type 1 shall be 12 modules one and equipped with** | | | |
| | **1xHDMI + 2X13A switched + 2X16A + 2XRJ45 sockets.** | | | |
| | | | | |
| | **Pop-up box type 2 shall be 4 modules one and equipped with** | | | |
| | **1x13A switched + 1xRJ 45 sockets.** | | | |
| | | | | |
| I.4.1 | Pop-up box Type 1 | No. | 1 | |
| I.4.2 | Pop-up box Type 2 | No. | 2 | |
| | | | | |
| I.5 | Above False Ceiling | | | |
| | | | | |
| I.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 11 | |
| I.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 2 | |
| I.5.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.5.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 10 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| | | | | |
| J.1 | Type 1 | No. | 19 | |
| J.2 | Type 2 | No. | 18 | |
| J.3 | Type 3 | No. | 20 | |
| J.4 | Type 4 | No. | 13 | |
| J.5 | Type EM-1 | No. | 4 | |
| J.6 | Type EM-2 | No. | 5 | |
| J.7 | Type EM-3 | No. | 4 | |
| | | | | |
| **K.** | **UPS** | | | |
| | | | | |
| K.1 | 6 kVA single phase in, single phase out to the new technical room. | Lot | 1 | |
| | | | | |

## SBM QUATRE BORNES

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - IEE Wiring | | | |
| | Regulations - Eighteenth Edition published by the British Standards Institution. This | | | |
| | document shall serve as a reference throughout the duration of the agreement. | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | Up/voltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer's recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| A.3 | Surge Reduction Filter 1Ø 230V 40A Type 2 (UPS 15KVA) | No. | 2 | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| B.2 | Allow for connection of distribution boards to the existing earthing | Lot | 1 | |
| | system using appropriate earth connectors. | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MLVP /MLVP to be segregated with all essential and non-essential | No. | 1 | |
| | loads within different compartments). | | | |
| C.2 | DB GF/E | No. | 1 | |
| C.3 | DB GF/NE | No. | 1 | |
| C.4 | SDB IF/E | No. | 1 | |
| C.5 | SDB IF/NE | No. | 1 | |
| C.6 | SDB Basement/E | No. | 1 | |
| C.7 | SDB Basement/NE | No. | 1 | |
| C.8 | SDB Pump | No. | 1 | |
| C.9 | SDB AC | No. | 1 | |
| C.10 | DB UPS (IN) | No. | 1 | |
| C.11 | DB UPS (OUT) | No. | 1 | |
| C.12 | DB UPS GF | No. | 1 | |
| C.13 | SDB UPS 1F | No. | 1 | |
| C.15 | Automatic changeover panel as per schematics | Lot | 1 | |
| C.16 | Enclosure for Incoming CEB Breaker and Isolator | | | |
| | MCCB complete with waterproof enclosure (IP55). | | | |
| C.16.1 | MCCB 4P 160A (For incoming CEB breaker) | No. | 1 | |
| **D.** | **CABLE TRAYS** | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets** | | | |
| | **& hand dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 105 | |
| F.1.2 | Switch point | No. | 20 | |
| F.1.3 | PIR detector point | No. | 1 | |
| F.1.4 | Socket point | No. | 175 | |
| F.1.6 | Split AC unit point | No. | 2 | |
| F.1.7 | VRV AC Indoor Unit point | No. | 15 | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 145 | |
| F.2.2 | Switch point | No. | 20 | |
| F.2.3 | PIR detector point | No. | 11 | |
| F.2.4 | Socket point | No. | 104 | |
| F.2.5 | Split AC unit point | No. | 1 | |
| F.2.6 | VRV AC Indoor Unit point | No. | 17 | |
| F.2.8 | Hand Dryer point | No. | 2 | |
| F.2.9 | HDMI Cabling | | | |
| F.2.9.1 | Allow for HDMI cabling from TV Screen in meeting rooms to meeting table. | No. | 1 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Electrical accessories, proprietary back boxes, clip-on | | | |
| | brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **G.1** | **Ground Floor** | | | |
| | Recessed Installation | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 14 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 5 | |
| G.1.6.2 | Switch 1 gang, 1 way, 10 Amps | No. | 7 | |
| **G.2** | **First Floor** | | | |
| | Recessed Installation | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 16 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 4 | |
| G.2.7 | PIR Motion Detector with lighting management | No. | 11 | |
| G.2.8 | Switch Panel | | | |
| G.2.8.2 | Switch 1 gang, 1 way, 10 Amps | No. | 6 | |
| G.2.8 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | Accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockets onto trunkings, blockwall & partition. | | | |
| **I.1** | **Ground Floor** | | | |
| I.1.1 | On Partition | | | |
| I.1.1.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.1.1.2 | Socket RJ45 Cat 6a, 1 gang | No. | 5 | |
| I.1.1.7 | HDMI socket | No. | 1 | |
| | On Blockwall | | | |
| I.1.2.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.1.2.2 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.1.2.5 | Socket 2 gang 16 Amps & 16 Amps | No. | 2 | |
| I.1.3 | On Trunking | | | |
| I.1.3.1 | Switched Socket 1 gang 13 Amps | No. | 56 | |
| I.1.3.2 | Socket 1 gang 16 Amps | No. | 34 | |
| I.1.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 40 | |
| I.1.4 | Above False Ceiling | | | |
| I.1.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 17 | |
| I.1.4.4 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 3 | |
| I.1.4.5 | Switched Socket 1 gang 13 Amps for access control (provision only) | No. | 15 | |
| I.1.4.6 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| I.1.4.7 | Switched Socket 1 gang 13 Amps for Automatic Door | No. | 1 | |
| I.1.5 | On Writing Desk & Meeting Table | | | |
| | **Pop-up box type 1 shall be 8 modules one and** | | | |
| | **equipped with 1xHDMI + 2x13A switched + 2x16A + 2xRJ45 sockets.** | | | |
| I.1.5.1 | Pop-up box Type 1 | No. | 1 | |
| **I.2** | **First Floor** | | | |
| I.2.1 | On Partition | | | |
| I.2.1.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.2.1.2 | Socket RJ45 Cat 6a, 1 gang | No. | 6 | |
| I.2.1.4 | Socket 2 gang 13 Amps | No. | 4 | |
| I.2.1.5 | Socket 2 gang 16 Amps & 16 Amps | No. | 3 | |
| I.2.1.6 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 6 | |
| I.2.2 | On Blockwall | | | |
| I.2.2.1 | Switched Socket 1 gang 13 Amps | No. | 1 | |
| I.2.3 | On Trunking | | | |
| I.2.3.1 | Switched Socket 1 gang 13 Amps | No. | 35 | |
| I.2.3.2 | Socket 1 gang 16 Amps | No. | 20 | |
| I.2.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 22 | |
| I.2.4 | Above False Ceiling | | | |
| I.2.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 18 | |
| I.2.4.2 | Switched Socket 1 gang 13 Amps for fresh air fan | No. | 1 | |
| I.2.4.4 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.2.4.6 | Switched Socket 1 gang 13 Amps for automatic door | No. | 1 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| J.1 | **Ground Floor** | | | |
| J.1.2 | Type 2 | No. | 21 | |
| J.1.3 | Type 3(a) | No. | 51 | |
| J.1.4 | Type 3(b) | No. | 2 | |
| J.1.5 | Type 4(a) | No. | 6 | |
| J.1.6 | Type 5 | No. | 0 | |
| J.1.7 | Type EM-1 | No. | 7 | |
| J.1.8 | Type EM-2 | No. | 4 | |
| J.1.10 | Type EM-4 | No. | 10 | |
| J.2 | **First Floor** | | | |
| J.2.1 | Type 1(a) | No. | 33 | |
| J.2.2 | Type 2 | No. | 17 | |
| J.2.3 | Type 3(a) | No. | 40 | |
| J.2.4 | Type 3(b) | No. | 12 | |
| J.2.5 | Type 4(a) | No. | 12 | |
| J.2.7 | Type EM-1 | No. | 11 | |
| J.2.8 | Type EM-2 | No. | 8 | |
| J.2.10 | Type EM-4 | No. | 4 | |
| **K.** | **UPS** | | | |
| K.1 | **Ground Floor** | Lot | 1 | |
| K.1.1 | Relocate 2 nos. existing UPS rated 15 kVA (Three phase in, Three phase out) to the new | | | |
| | computer room. Allow for all necessary interconnecting cables. | | | |

### ADDITIONAL ELECTRICAL INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| 1.0 | Light Fittings in Basement | LOT | | |
| 3.0 | External Lights | LOT | | |
| 5.0 | External Downlights | LOT | | |
| 12.0 | Staircase Lights. | LOT | | |
| 13.0 | Power Supply to Extractor fan in Basement. | LOT | | |
| 16.0 | Switchgears for Platform lift to Single Phase . | LOT | | |
| 18.0 | Additional downlights | No | 6 | |
| 19.0 | cleaning sockets | No | 2 | |
| 21.0 | Events Lights | LOT | 1 | |

### FIRE ALARM INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL** | | | |
| | **Inspection and report faults to third party contractor** | | | |
| A.1 | 4-loop addressable type fire alarm panel c/w associated | No. | 1 | |
| | power supply, 72 hr battery backup, on board printer,etc. | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following | | | |
| | field devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary | | | |
| | mounting bases. | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 24 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 19 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 2 | |
| B.2.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of fire certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services | Lot | 1 | |
| | during their inspection/visits on site. | | | |

### HVAC INSTALLATIONS

| ITEM | DESCRIPTION | Unit | Qty |
|---|---|---|---|
| **Outdoor Units** | | | |
| 1.1 | GMV-335WUQ/X | No. | 4 |
| **1.2 Ground Floor** | | | |
| 1.2.1 | GMV-ND027/B-T | No. | 1 |
| 1.2.2 | GMV-ND027/B-T | No. | 1 |
| 1.2.3 | GMV-ND36T/B-T | No. | 1 |
| 1.2.4 | GMV-ND36T/B-T | No. | 1 |
| 1.2.5 | GMV-ND36T/B-T | No. | 1 |
| 1.2.6 | GMV-ND36T/B-T | No. | 1 |
| 1.2.7 | GMV-ND36T/B-T | No. | 1 |
| 1.2.8 | GMV-ND36T/B-T | No. | 1 |
| 1.2.9 | GMV-ND36T/B-T | No. | 1 |
| 1.2.10 | GMV-ND36T/B-T | No. | 1 |
| 1.2.11 | GMV-ND36T/B-T | No. | 1 |
| 1.2.12 | GMV-ND36T/B-T | No. | 1 |
| **1.3 SPLIT AC Units** | | | |
| 1.3.1 | Midea - 18kbtu | No. | 1 |
| 1.3.2 | Midea - 18kbtu | No. | 1 |
| 1.4.1 | Aldes | X Silent 200 | Fresh Air Fan |
| **1.5 First Floor** | | | |
| **GMV INDOOR UNITS** | | | |
| 1.5.1 | GMV-ND027/B-T | No. | 1 |
| 1.5.2 | GMV-ND36T/B-T | No. | 1 |
| 1.5.3 | GMV-ND36T/B-T | No. | 1 |
| 1.5.4 | GMV-ND36T/B-T | No. | 1 |
| 1.5.5 | GMV-ND36T/B-T | No. | 1 |
| 1.5.6 | GMV-ND027/B-T | No. | 1 |
| 1.5.7 | GMV-ND027/B-T | No. | 1 |
| 1.5.8 | GMV-ND027/B-T | No. | 1 |
| 1.5.9 | GMV-ND36T/B-T | No. | 1 |
| 1.5.10 | GMV-ND36T/B-T | No. | 1 |
| 1.5.11 | GMV-ND56T/B-T | No. | 1 |
| 1.5.12 | GMV-ND56T/B-T | No. | 1 |
| 1.5.13 | GMV-ND56T/B-T | No. | 1 |
| 1.5.14 | GMV-ND56T/B-T | No. | 1 |
| 1.5.15 | GMV-ND56T/B-T | No. | 1 |
| 1.5.16 | GMV-ND56T/B-T | No. | 1 |
| 1.5.17 | GMV-ND36T/B-T | No. | 1 |
| 1.5.18 | GMV-ND36T/B-T | No. | 1 |
| **1.6 SPLIT AC Units** | | | |
| 1.6.1 | GWH-12AAD | No. | 1 |
| **1.7 Fresh Air Fan** | | | |
| 1.7.1 | Aldes X Silent 200 | No. | 1 |

### PLUMBING & FIRE-FIGHTING INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **B.** | **COLD WATER** | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø25/20mm | m | 8 | |
| (ii) | Ø20/15mm | m | 15 | |
| B.2 | Quarter turn valve in DR Brass for 25/20 pipe at mains tapoff | No. | 1 | |
| B.3 | uPVC pressure fittings, rated to PN16, Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | | |
| B.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| B.5 | Automatic air release valve, ½" connection, Brass | No. | 3 | |
| B.6 | Water hammer arrestor, ½" connection, Brass | No. | 3 | |
| B.7 | Chrome plated angle valve ½"connection (High Quality) at sink, whb | No. | 11 | |
| | & wc | | | |
| B.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) at | No. | 11 | |
| | sink, whb & wc & jet washer | | | |
| **C.** | **WASTE & SEWER** | | | |
| C.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (whb discharge) | m | 5 | |
| (ii) | 50mm PN10 (waste collection) | m | 20 | |
| (iii) | 110mm PN10 (wc discharge) | m | 15 | |
| C.2 | uPVC fittings, rated to PN10, Solvent welded. Reducers, Tees, Elbows, | Lot | 1 | |
| | Y-Tees, Rodding Eyes, etc. (ALL DIMENSIONS FOR COMPLETE | | | |
| | INSTALLATION) | | | |
| C.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | COMPLETE INSTALLATION of sewer and waste pipes | | | |
| C.4 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 4 | |
| C.5 | Bottle traps (vertical inlet, horizontal outlet) 50mm at sink | No. | 2 | |
| C.6 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 3 | |
| | approval) | | | |
| C.7 | | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet washer. | No. | 5 | |
| (ii) | WHB, c/w tap, flexible pipes | No. | 4 | |
| (iii) | Sink, c/w tap, flexible pipes | No. | 2 | |
| **D.** | **FIRE EXTINGUISHERS- 6 monthly servicing and issue of maintenance certificate** | | | |
| D.2 | Bottle type fire extinguishers, similar to S.R.I model (rate only) | | | |
| (i) | 5 kg $CO_2$ type (similar to S.R.I model). | No. | 5 | |
| (ii) | 4 kg ABC Dry chemical powder type | No. | 5 | |
| **E.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| E.1 | *Equipment Signages* | | | |
| | Fire extinguisher and fire-escape related signage, as per | Lot | 1 | |
| | requirements of BS 5499, to be fixed at strategic locations to | | | |
| | indicate presence of firefighting equipment, with photoluminescent | | | |
| | characteristics | | | |

**SBM REDUIT**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | **ELECTRICAL INSTALLATIONS** | | | |
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - IEE | | | |
| | Wiring Regulations - Eighteenth Edition published by the British Standards | | | |
| | Institution. This document shall serve as a reference throughout the duration of the | | | |
| | agreement. | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, UpVoltage | No. | 1 | |
| | Protection Level 1.0KV and complete with in built fuse & enclosure. Include for | | | |
| | all cables, circuit breakers/fuses and accessories for "Shunt" connection of the | | | |
| | above (as per manufacturer's recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| A.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, contactors, | | | |
| | cabling accessories, distribution blocks, outgoing terminals, busbars and | | | |
| | engraved labels. All DBs to be as per schematic drawings and specifications | | | |
| | and include 30% spare capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| C.5 | DB CHANGEOVER | No. | 1 | |
| C.6 | DB ISOLATOR | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB** | | | |
| | **sockets & hand dryer points** | | | |
| F.1 | Light point | No. | 121 | |
| F.2 | Switch point | No. | 15 | |
| F.3 | PIR detector point | No. | 10 | |
| F.4 | Socket point | No. | 115 | |
| F.6 | Split AC unit point | No. | 10 | |
| F.7 | Fan point | No. | 1 | |
| F.8 | Hand Dryer Point | No. | 2 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **G.1** | **Recessed Installation** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 6 | |
| G.1.2 | Switch 2 gang 1 way, 10A | No. | 2 | |
| G.1.5 | PIR Presence Detector | No. | 8 | |
| G.1.6 | PIR Motion Detector with dual technology | No. | 2 | |
| **G.2** | **On Trunking** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 2 | |
| G.2.2 | Switch 2 gang 1 way, 10A | No. | 1 | |
| G.3.1 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| **I.1** | **On Partition** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 15 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 4 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 3 | |
| **I.2** | **On Blockwall** | | | |
| **I.3** | **On Trunking** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 35 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 30 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 30 | |
| **I.4** | **Above False Ceiling** | | | |
| I.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 10 | |
| I.4.2 | Double pole switch 45 Amps with LED indicator for AC | No. | 2 | |
| I.4.4 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.4.5 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.4.6 | Switched Socket 1 gang 13 Amps for WIFI Access Point | No. | 2 | |
| I.4.7 | Socket 1 gang 16 Amps for WIFI Access Point | No. | 2 | |
| I.4.8 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.4.9 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 3 | |
| I.4.10 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| J.1 | Type 1 (a) | No. | 30 | |
| J.2 | Type 2 | No. | 27 | |
| J.3 | Type 3 (a) | No. | 27 | |
| J.4 | Type 3 (b) | No. | 5 | |
| J.5 | Type 4 (a) | No. | 12 | |
| J.6 | Type 5 | No. | 2 | |
| J.7 | Type EM-1 | No. | 7 | |
| J.8 | Type EM-2 | No. | 2 | |
| J.10 | Type EM-4 | No. | 6 | |
| J.11 | Type EM-5 | No. | 3 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out) to the new technical room | Lot | 1 | |
| | **ADDITIONAL ELECTRICAL INSTALLATION** | | | |
| 1 | **External Lighting Services** | | | |
| 1.1 | Wall mounted light (Umberta Fumagali) | No. | 10 | |
| 1.2 | SBM logo signage and ATM power light | m | 2 | |
| 2 | **Supply and Installation of a new Change Over Panel** | | | |
| 2.1 | Supply and install three-phase change over panel | No. | 1 | |
| 3 | **Installation of sockets for digital pod** | | | |
| 3.1 | Supply and install 3C x 2.5 mm2 PVC/PVC Cu cable for socket | Lot | 1 | |
| 3.2 | Socket1 gang 13 Amps | No. | 1 | |
| 4 | Multi standard socket for cleaning purposes | | | |
| 4.1 | RCBO 1P+N20A in MDB | No. | 1 | |
| | Additional Electrical Installation | | | |
| 5 | **External Lighting Services** | | | |
| 5.1 | Wall mounted light (Umberta Fumagali) | No. | 10 | |
| 5.2 | SBM logo signage and ATM power light | m | 2 | |
| 6 | **Supply and Installation of a new Change Over Panel** | | | |
| | Supply and install three-phase change over panel | No. | 1 | |
| | **sockets for digital pod** | | | |
| | Socket1 gang 13 Amps | No. | 1 | |
| | **Multi standard socket for cleaning purposes** | | | |
| | RCBO 1P+N20A in MDB | No. | 1 | |
| | **FIRE ALARM INSTALLATIONS** | | | |
| **A.** | **FIRE ALARM PANEL - Inspection and report to third party contractor** | | | |
| | **for any faults** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc… | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting | | | |
| | bases. | | | |
| B.1 | Smoke detector | No. | 14 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application for fire** | | | |
| | **certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |
| | **Air Conditioning and Ventilation Installations** | | | |
| **A.** | **FRESH AIR INTAKE** | | | |
| | **Ground Floor** | | | |
| A.1 | 2 Nos Aluminium transfer grille to be installed at vault wall for | Lot | 1 | |
| | pressure equalization, dimension 200x100, fins to be angled to | | | |
| | block visibility. Intermediate duct and plenum to be installed in | | | |
| | reinforced concrete wall. Transfer grille s/t ALDES AC102D | | | |
| | (COMPLETE INSTALLATION) | | | |
| A.2 | Grille, mounted on door, aluminium construction, colour to Arch/ID. | No. | 2 | |
| | approval (Similar to Aldes AC 181) | | | |
| | (i) Size 200 x 150, rated 30 m³/hr | | | |
| **B.** | **TOILET EXTRACTION** | | | |
| | **Ground Floor** | | | |
| B.1 | Disc valve, circular type with adjustable centre cone fixed | No. | 5 | |
| | to false ceiling, capacity per disc valve = 80m³/h | | | |
| | Φ 160 mm diffuser with Φ 100mm inlet (Similar to ALDES | | | |
| | SR 149) | | | |
| B.2 | Circular G/S Ducts (Spira Type) | | | |
| | (i) 100 mm | m | 7 | |
| | (ii) 200 mm | m | 9 | |
| B.3 | Ducts fittings wyes, tees, reducer sections, elbows & | Lot | 1 | |
| | transition for circular g/s ducts (All Dimensions) including | | | |
| | accessories | | | |
| B.4 | Mupro type Supports, saddles and hangers at ceiling for | Lot | 1 | |
| | complete support of whole duct installation | | | |
| B.5 | In-line fan, Mixvent axial type, GS casing with ABS plastic | No. | 1 | |
| | impellers, 230V,50Hz, integral thermal protection, IP44 | | | |
| | mounted on anti-vibration mountings, power socket provided near | | | |
| | fan at ceiling. Low Noise (similar to Aldes Inline XPRO Series) | | | |
| | Fan Capacity:- | | | |
| | (i) 400 m³/hr at 120 Pa | | | |
| B.6 | Flexible ducting, aluminium on steel helix at disc valves, Φ | m | 6 | |
| | 100mm | | | |
| B.7 | Circular aluminium grille with horizontal fins c/w G/S duct | | | |
| | connection to fan. (Similar to Aldes AR 637 SERIES, | | | |
| | anodised aluminium finish) Dimensions: | | | |
| | (i) Φ 250mm | No. | 2 | |
| **C.** | **SPLIT AC UNIT** | | | |
| | **(Supply and Installation of New Split AC)** | | | |
| **C.1** | **Ground Floor** | | | |
| | **ON/OFF casette Split AC instead of DC inverter AC** | | | |
| | ON/OFF casette split AC- 4.5KWc | No. | 1 | |
| | ON/OFF casette split AC- 5.3KWc | No. | 4 | |
| | ON/OFF wall mounted split AC -5.3KWc | No. | 1 | |
| D.1.2 | Existing, functioning split AC units. | | | |
| (i) | Wall mounted split unit | No. | 3 | |
| (ii) | 10.5kWc/36000 Btu/hr (Ceiling/Floor Mounted split unit) | No. | 3 | |
| | **Plumbing & Fire-Fighting Installations** | | | |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | |
| **A.** | **EXTERNAL WASTE AND SEWER** | | | |
| | Inspect, clean and maintain | | | |
| A.1 | uPVC PN10 pipe | | | |
| (i) | Ø63mm (waste pipe) (from building to gully trap) | m | 10 | |
| (ii) | Ø110mm (sewer pipe) (from buildings to manholes) | m | 4 | |
| A.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid | m | 12 | |
| | underground between sewer manholes & to septic tank) Ø160mm | | | |
| | (Note: All existing sewer manholes on site are in concrete by MC. | | | |
| | Plumbing contractor to liaise with MC for laying of underground | | | |
| | pipes) | | | |
| A.3 | Allow a sum to conduct assessment of existing septic tank, waste | sum | 1 | |
| | and sewer disposal and upgrade existing one, if required. | | | |
| | (Including pipes work) | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø32/25mm | m | 11 | |
| (ii) | Ø25/20mm | m | 9 | |
| (iii) | Ø20/15mm | m | 17 | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 1 | |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 1 | |
| B.4 | Quarter turn valve in DR Brass,for 32/25 pipe at mains tapoff | No. | 1 | |
| B.5 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | | |
| B.6 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| B.7 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.8 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.9 | Chrome plated angle valve ½"connection (High Quality) | No. | 8 | |
| | (WC/WHB/SINK) | | | |
| B.10 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 6 | |
| **C.** | **WATER TANK** | | | |
| C.1 | Above ground PE water tank (volume: 1500L) | Lot | 1 | |
| | c/w fittings and accessories as specified in drawing. | | | |
| C.2 | Distribution pipes in uPVC PN 16 | | | |
| (i) | Ø 32/25mm (from CWA to Water Tank to pump) | m | 15 | |
| **E.** | **WASTE AND SEWER** | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 4 | |
| (ii) | 50mm PN10 (Sink & floor drain discharge) | m | 6 | |
| (iii) | 63mm PN6 | m | 6 | |
| (iv) | 110mm PN6 (Sewer) | m | 5 | |
| (v) | 50mm PN6 (venting) | m | 4 | |
| E.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for sewer and waste pipes | Lot | 1 | |
| E.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch approval) | No. | 5 | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 2 | |
| | washer | | | |
| (ii) | WHB, c/w tap,, flexible pipes | No. | 2 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **G.** | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of** | | | |
| | Bottle type fire extinguishers,similar to S.R.I model: | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 4 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |

| SBM Service Unit: | Riviere Des Anguilles | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | Banking Hall | MIDEA - 24KBTU (Wall type) | 2414198490579080150010 | 1 | Maintenance by others |
| | | AIRWELL - 24KBTU (Wall type) | | 1 | |
| | | AIRWELL - 24KBTU (Wall type) | | 1 | |
| | Manager Office | TRANE - 18KBTU (Wall type) | 2403878550277190150031 | 1 | Maintenance by others |
| Generator | | GENERATOR - CGM10BE_WHEELS | 16803/18 | 1 | Maintenance by others |
| Earthing/Lightning Protection System | | Critec PROLINE SRF 163 (Single phase) | EEMELEQU001505 | 1 | |
| Lighting | ATM Area (external) | Hublot type diffuser with E27 lighting fitting | | 1 | |
| | External Areas | Hublot type diffuser with E27 lighting fitting | | 2 | |
| | Banking Hall (Including Back office & ATM Room) | Lighting fitting - 4ft fluorescent tube | | 14 | |
| | Corridor toilet | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Kitchen | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Manager Office | Lighting fitting - 4ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting for econo type bulbs | | 2 | |
| | Vault | Lighting fitting - 4ft fluorescent tube | | 1 | |
| UPS | | POWERWARE UPS-6.0 KVA-RW495A0315 | | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 2 | |
| | Teller Counters | 16A socket outlet (French type) | | 6 | |
| | CSR Areas | 16A socket outlet (French type) | | 7 | |
| | Back Office (CSR) | 16A socket outlet (French type) | | 3 | |
| | Computer Room | 16A socket outlet (French type) | | 5 | |
| | Manager Office | 16A socket outlet (French type) | | 2 | |
| Power System (General socket) | Banking Hall | 13A socket outlet (British type) | | 1 | |
| | Teller Counters | 13A socket outlet (British type) | | 2 | |
| | CSR Areas | 13A socket outlet (British type) | | 1 | |
| | Computer Room | 13A socket outlet (British type) | | 1 | |
| | Corridor (Behind CSR & Teller) | 13A socket outlet (British type) | | 2 | |
| | Kitchen | 13A socket outlet (British type) | | 1 | |
| | Manager Office | 13A socket outlet (British type) | | 1 | |
| | Toilet Area | 13A socket outlet (British type) | | 1 | |
| Alarm System | | N/A | | | |
| Fire Fighting | | Fire extinguisher (Co2 - 2.5Kg) | | 1 | |
| CCTV System | | Circuit breaker 10A - 2P | | 2 | |
| Sign Board | External Area | SBM CASH - DOUBLE SIDED - PROJECTED | | 1 | |
| | Roof | SBM NEON LETTERINGS + ALUCOBOND BACKING | | | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Refrigerator | | REFRIGERATOR 130lt - IGNIS | | 1 | |
| Hand Dryer | | INDA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin with Pedestal | | 1 | |
| | Kitchen | Sink | | 1 | |
| Power Distribution unit | Non essential panel | Circuit breaker 63A - 2P | | 1 | |
| | | Circuit breaker 20A - 2P | | 2 | A/C units |
| | | Circuit breaker 32A - 2P | | 2 | A/C units |
| | | Circuit breaker 10A - 2P | | 2 | |
| | | Contactor & timer 20A - 2P | | 1 | |
| | Essential panel | Circuit breaker 63A - 2P | | 1 | Main |
| | | Circuit breaker 38A - 2P | | 1 | Input UPS |
| | | Circuit breaker 6A - 2P | | | Alarm & lighting |
| | | Circuit breaker 16A - 2P | | 2 | Socket counter |
| | | Circuit breaker 20A - 2P | | 2 | |
| | UPS panel | Circuit breaker 40A - 2P | | 1 | Input UPS |
| | | Circuit breaker 32A - 2P | | 1 | Output UPS |
| | | Circuit breaker 10A - 2P | | 4 | |

# SBM Riviere Du Rempart

## Electrical Installations

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - | | | |
| | IEE Wiring Regulations - Eighteenth Edition published by the British | | | |
| | Standards Institution. This document shall serve as a reference throughout the | | | |
| | duration of the agreement. | | | |
| | | | | |
| **B.** | **SURGE PROTECTION** | | | |
| | | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, UpVoltage | No. | 1 | |
| | Protection Level 1.0KV and complete with in built fuse & enclosure. Include | | | |
| | for all cables, circuit breakers/fuses and accessories for "Shunt" | | | |
| | connection of the above (as per manufacturer´s recommendations) to the | | | |
| | MDB. | | | |
| | | | | |
| **C.** | **EARTHING** | | | |
| | | | | |
| | Earth resistance < 2.5 Ω. Allow for test links. | | | |
| | Inspection and testing of the Earthing system | | | |
| **D.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing terminals, | | | |
| | busbars and engraved labels. All DBs as per on site schematic drawings | | | |
| | and specifications and include 30% spare capacity. | | | |
| | | | | |
| D.1 | DB Changeover | No. | 1 | |
| D.2 | MDB | No. | 1 | |
| D.3 | DB UPS IN | No. | 1 | |
| D.4 | DB UPS OUT | No. | 1 | |
| D.5 | SDB UPS | No. | 1 | |
| | | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm$^2$ PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| (C) | **3C x 2.5mm$^2$ PVC/SWA/PVC Cu cable for external light points.** | | | |
| | | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 35 | |
| F.1.2 | Switch point | No. | 4 | |
| F.1.3 | PIR detector point | No. | 4 | |
| F.1.4 | Socket point | No. | 70 | |
| F.1.5 | Split AC unit point | No. | 5 | |
| F.1.6 | Hand Dryer point | No. | 2 | |
| F.1.7 | Fan point | No. | 2 | |
| | | | | |
| F.2 | **Roof** | | | |
| F.2.1 | Plexo Box for Event lighting | No. | 2 | |
| | | | | |
| F.3 | **External** | | | |
| F.3.1 | Light point | No. | 15 | |
| | | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required for | | | |
| | recessed/surface mounting where applicable. | | | |
| | | | | |
| **(I)** | **Recessed Installation** | | | |
| | | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 4 | |
| G.1.2 | PIR Presence Detector | No. | 4 | |
| | | | | |
| G.1.3 | Hand Dryer | No. | 2 | |
| **H.** | **PVC TRUNKINGS AND POWER POLES** | | | |
| | | | | |
| **H.1** | **Ground Floor** | | | |
| H.1.1 | Vertical trunking 105 x 50mm (2 compartments) | m | 18 | |
| | | | | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | | | | |
| | Accessories (clip-on support, frames, etc.) for mounting | | | |
| | power sockers onto trunkings, blockwall & partition. | | | |
| | | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 18 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 12 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 14 | |
| | | | | |
| **(II)** | **On Trunking** | | | |
| | | | | |
| I.2 | **Ground Floor** | | | |
| I.2.1 | Socket 1 gang 13 Amps | No. | 14 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 14 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 10 | |
| | | | | |
| **(II)** | **Above False Ceiling** | | | |
| | | | | |
| I.3 | **Ground Floor** | | | |
| I.3.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 5 | |
| I.3.3 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 2 | |
| I.3.4 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.3.5 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 3 | |
| | | | | |
| **J.** | **LUMINAIRES** | | | |
| | | | | |
| J.1 | **Ground Floor** | | | |
| J.1.1 | Type 1 | No. | 25 | |
| J.1.2 | Type 2 | No. | 1 | |
| J.1.3 | Type 3 (a) | No. | 8 | |
| J.1.4 | Type EM-1 | No. | 5 | |
| J.1.5 | Type EM-2 | No. | 3 | Including emergency light in vault |
| J.2 | **External** | | | |
| J.2.1 | Type 3 (b) | No. | 3 | |
| J.2.2 | Wall Mounted lumimaires | No. | 6 | |
| J.2.3 | Surface downlight | No. | 5 | |

| SBM SERVICE UNIT: | F240 - Rodrigues | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| AIR CONDITIONING | ATM ROOM | CRAFT WINDOW TYPE AIR-CONDITIONING MODEL D024 U6A,24000 BTU/HR | EEMAIRCO001 440 | | |
| | BANKING HALL | CRAFT WINDOW TYPE AIR-CONDITIONING MODEL D024 U6A,24000 BTU/HR | EEMAIRCO001 440 | | |
| | | CRAFT WINDOW TYPE AIR-CONDITIONING MODEL D024 U6A,24000 BTU/HR | EEMAIRCO001 440 | | |
| | | CRAFT WINDOW TYPE AIR-CONDITIONING MODEL D024 U6A,24000 BTU/HR | EEMAIRCO001 440 | | |
| | | MCQUAY SPLIT TYPE AIRCON-24KBTU/HR | 40 | | |
| | COMPUTER ROOM | MCQUAY SPLIT TYPE AIRCON-24KBTU/HR | 52 | | |
| | MEETING ROOM | MCQUAY SPLIT TYPE AIRCON-24KBTU/HR | 41 | | |
| | BACK OFFICE | PANASONIC SPLIT TYPE AIRCON-12KBTU/HR | 7183246344 | | |
| | MESS ROOM | MCQUAY SPLIT TYPE AIRCON-30KBTU/HR | | | |
| | | MCQUAY SPLIT TYPE AIR-CONDITIONING 24KBTU/HR | | | |
| ALARM SYSTEM | | | | | |
| EARTHING PROTECTION | BACK OFFICE | | | | |
| Electrical | ATM LOBBY | ELECTRICAL INSTALLATIONS | EEMELEFI0008 91 | | |
| | BANKING HALL | ELECTRICAL WORKS | | | |
| | BASEMENT | ELECTRICAL WORKS | | | |
| | COMPUTER ROOM | | | | |
| | CORRIDOR | | | | |
| | COURT YARD | | | | |
| | EXTERNAL AREA | | | | |
| | GENERATOR ROOM | | | | |
| | MEETING ROOM | | | | |
| | PUMP ROOM | | | | |
| | STAIRCASE | | | | |
| | STORE | | | | |
| | TELLER COUNTER | | | | |
| | VAULT | | | | |
| FAN | DATA CABINET | | | | |
| | KITCHEN | | | | |
| | VAULT | | | | |
| | WORKING AREA | | | | |
| FIRE ALARM | ATM AREA | | | | |
| | BASEMENT | | | | |
| | COMPUTER ROOM | | | | |
| | CORRIDOR | | | | |
| | GENERATOR ROOM | | | | |
| | KITCHEN | | | | |
| | MANAGER'S OFFICE | | | | |
| | MESS ROOM | | | | |
| | WORKING AREA | | | | |
| | VAULT | | | | |
| FIRE FIGHTING | BACK OFFICE | | | | |
| | BANKING HALL | | | | |
| | COMPUTER ROOM | | | | |
| | CORRIDOR | | | | |
| | GENERATOR ROOM | | | | |
| | KITCHEN | | | | |
| | WORKING AREA | | | | |
| GENERATOR | LA FERME | GENERATORS - SDMO - ELECTROGENE | EEMGENER00 0842 | | |
| | | | FGWPEP21CA MU06495 | | |
| | MT. LUBIN | CGM7HE_Wheels | 7311/17 | | |
| | | | | | |
| LIGHTING | A.H.U ROOM | | | | |
| | ATM AREA | | | | |
| | BACK OFFICE | | | | |
| | BANKING HALL | | | | |
| | CANOPY | | | | |
| | COMPUTER ROOM | | | | |
| | CORRIDOR | | | | |
| | COUNTER | | | | |
| | EXTERNAL | | | | |
| | GENERATOR ROOM | | | | |
| | KITCHEN | | | | |
| | LOBBY | | | | |
| | MAIN DISTRIBUTION ROOM | | | | |
| | MAIN ENTRANCE | | | | |
| | MANAGER OFFICE | | | | |
| | MEETING ROOM | | | | |
| | MESS ROOM | | | | |
| | PLANT ROOM | | | | |
| | STRONG ROOM | | | | |
| | STAIRCASE | | | | |
| | STATIONARY ROOM | | | | |
| | TOILET AREA | | | | |
| | VAULT | | | | |
| | WORKING AREA | | | | |
| Mechanical | ATM LOBBY | | | | |
| | BANKING HALL | | | | |
| | | | | | |
| | | | | | |
| | MEETING ROOM | | | | |
| | MESS ROOM | | | | |
| | PLANT ROOM | | | | |
| | STORE | | | | |
| | VAULT | | | | |
| | WORKING AREA | | | | |
| PUBLIC HEALTH | CORRIDOR | | | | |
| | KITCHEN | | | | |
| | TOILET | | | | |
| SIGN BOARD | EXTERNAL AREA | SBM SIGN | EEMSIGNB001 358 | | |
| | STATUS CASH SIGN | EEMSIGNB001356 | | | |
| | | 1 ILLUMINATED SIGNBOARD | | | |
| | ROOF | SIGNAGE | | | |
| UPS | ATM AREA | POWERWARE UPS 6KVA | | | |
| | | POWERWARE UPS 6KVA | | | |
| | | UPS 1.5KVA | | | |
| | | UPS 6KVA | | | |
| | | UPS 6KVA POWERWARE PW9120 | | | |
| | | UPS 3.0 KVA | | | |
| | | UPS 3.0 KVA | | | |

## SBM ROSE BELLE
## ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a reference | | | |
| | throughout the duration of the contract | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and accessories | | | |
| | for "Shunt" connection of the above (as per manufacturer`s | | | |
| | recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per onsite | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB** | | | |
| | **sockets & hand dryer points** | | | |
| F.1 | Light point | No. | 98 | |
| F.2 | Switch point | No. | 16 | |
| F.3 | PIR detector point | No. | 8 | |
| F.4 | Socket point | No. | 132 | |
| F.6 | Split AC unit point | No. | 14 | |
| F.7 | Fan point | No. | 3 | |
| F.8.1 | Allow for HDMI cabling from TV Screen in meeting rooms to meeting | No. | 1 | |
| | table. | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required | | | |
| | for recessed/surface mounting where applicable. | | | |
| | Recessed Installation | | | |
| G.1 | Switch 1 gang 1 way, 10A | No. | 13 | |
| G.2 | Switch 2 gang 1 way, 10A | No. | 2 | |
| G.3 | Switch 3 gang 1 way, 10A | No. | 1 | |
| G.5 | PIR Presence Detector | No. | 3 | |
| G.6 | PIR Motion Detector with dual technology | No. | 5 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| I.1. | **On Partition** | | | |
| I.1 | Switched Socket 1 gang 13 Amps | No. | 8 | |
| I.4 | Socket 2 gang 13 Amps | No. | 9 | |
| I.5 | Socket 2 gang 16 Amps | No. | 3 | |
| I.6 | Socket 2 gang 13 Amps & 16 Amps | No. | 2 | |
| I.7 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 1 | |
| I.8 | Socket 2 gang RJ45 Cat 6a | No. | 3 | |
| I.2 | **On Blockwall** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 1 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.2.5 | HDMI Socket | No. | 1 | |
| I.3 | **On Trunking** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 59 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 40 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 52 | |
| I.4 | **On Writing Desk & Meeting Table** | | | |
| | **Pop-up box type 1 - 12 modules one and equipped** | | | |
| | **with 1xHDMI + 2X13A switched + 2X16A + 2XRJ45** | | | |
| | **sockets.** | | | |
| I.4.1 | Pop-up box Type 1 | No. | 1 | |
| I.5 | **Above False Ceiling** | | | |
| I.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 14 | |
| I.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 3 | |
| I.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.5.5 | Socket RJ45, Cat 6a, 1 gang for WIFI/Extender Point | No. | 2 | |
| I.5.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| J1 | Type 1 | No. | 10 | |
| J.2 | Type 2 | No. | 16 | |
| J.3 | Type 3 | No. | 42 | |
| J.4 | Type 4 | No. | 20 | |
| J.5 | throughout the duration of the contract | No. | 5 | |

## ADDITIONAL ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **1** | **changeover 4P 40A c/w panel and controls** | | | |
| **2** | **Surge Filter for UPS.** | No. | 1 | |
| | **Supply & install Surge Filter 40A Reference - SGF1-40-130-275** | | | |
| **3** | **Additional sockets for Water Dispenser below Microwave Socket** | | | |
| | Socket point | No. | 2 | |
| | Socket 1 gang 16 Amps | No. | 1 | |
| | Socket 1 gang 13 Amps | No. | 1 | |
| **4** | **DB Isolator for CEB Connection** | | | |
| | Isolator 4P 100A Legrand Ref 406489 | No. | 1 | |
| | IP 65 Enclosure | No. | 1 | |
| **5** | **External Light Fittings** | | | |
| | Type 6 - Wall mounted light Type 7 - Floodlight | No. | 2 | |
| | Type 8 - External Down Wall mounted light Type 9 - Ceiling Light | No. | 3 | |
| | Type 10 - Poster Light : As specified FARO FOC-2 LED | No. | 1 | |
| | | No. | 2 | |
| | | No. | 3 | |
| | projector lamp IP65 - COB LED 16W 3000K 800LM | | | |
| **6** | **Floodlight for Billboard** | | | |
| | Floodlight for Billboard | No. | 2 | |
| | Surface Plexo Box 100 x 100 | No. | 1 | |
| | Daily Timer 1-Channel | No. | 1 | |
| | MCB 1P+N10A | No. | 3 | |
| | Contactor 2P20A | No. | 1 | |
| | Fuse 2A + Fuse Holder | No. | 1 | |
| | RCD 2P20A 30mA | No. | 1 | |
| **7** | **Light point for ATM** | | | |
| | Type 1 Light point | No. | 1 | |
| | | No. | 1 | |

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL -Inspection and report on faults** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, | No. | 1 | |
| | 72 hr battery backup, on board printer,etc… | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field devices | | | |
| | to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | Smoke detector | No. | 17 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES- Only during application of fire certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during their | Lot | 1 | |
| | inspection\visits on site. | | | |

## Air Conditioning and Ventilation Installations

| | | | | |
|---|---|---|---|---|
| **A.** | **FRESH AIR INTAKE** | | | |
| | **Ground Floor** | | | |
| A.1 | Wall mounted transfer grille above door.Aluminium | | | |
| | construction, colour to Arch. approval | | | |
| | (i) Size 200 x 150, rated 100 $m^3$/hr | No. | 2 | |
| | (i) Size 200 x 150, rated 30 $m^3$/hr | No. | 2 | |
| **B.** | **TOILET EXTRACTION** | | | |
| | **Ground Floor** | | | |
| B.1 | Wall extract fan, ABS construction, non-return shutter, low | No. | 2 | |
| | noise operation, low energy consumption, 230V, 50Hz, Fan | | | |
| | operates on light switch. Capacity as per below: 80m3/h @ | | | |
| | free flow (s/t ALDES DESIGN 100P series) | | | |
| B.2 | Wall mounted extract grille, plastic, with anti-mosquito netting | No. | 2 | |
| | (s/t ALDES GPA Series) Ø100mm | | | |
| **D.** | **NEW SPLIT AC UNIT (Supply and Install)** | | | |
| **D.1** | **Ground Floor** | | | |
| D.1.1 | DC inverter type split air conditioning system c/w indoor and | | | |
| | and outdoor units R410a refrigerant, 3 fan speed, silent | | | |
| | type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| | Wall-Mounted Type AC Unit | | | |
| (i) | 2.7kWC | No. | 1 | |
| (ii) | 3.5kWC | No. | 3 | |
| (iii) | 5.3kWc | No. | 1 | |
| (iv) | 7.1kWc | No. | 1 | |
| | Compact Cassette Type | | | |
| (i) | 3.5kWC | No. | 1 | |
| | 7.1 Kwc | No. | 1 | |
| **E.** | **EXISTING FUNCTIONING SPLIT UNITS** | | | |
| **E.1** | **Ground Floor** | | | |
| E.1.2 | Existing, functioning AC split units including | | | |
| | refrigerant piping, condensate drain pipe, insulation, etc. | | | |
| | with new timers to enable | | | |
| (i) | 3.5kWc (wall mounted split unit) | No. | 2 | |
| (ii) | 7.1kWc (wall mounted split unit) | No. | 5 | |

## PLUMBING & FIRE-FIGHTING INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **A.** | **EXTERNAL PLUMBING** | | | |
| A.1 | uPVC PN10 pipe | | | |
| (i) | Ø75mm (waste pipe) (from building to gully trap) | m | 8 | |
| (ii) | Ø110mm (sewer pipe) (from buildings to manholes) | m | 7 | |
| A.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid underground between sewer | m | 5 | |
| | manholes & to septic tank) Ø160mm (Note: All Sewer manholes on site are in concrete by MC. | | | |
| | Plumbing contractor to liaise with MC for laying of underground pipes) | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø20/15mm | m | 25 | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 1 | |
| B.3 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, Tees, Elbows, Unions, male | Lot | 1 | |
| | adaptors, female adaptors, transition fittings, threaded sockets at all valves and flexible pipes, | | | |
| | etc. | | | |
| B.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| B.5 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.6 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.7 | Chrome plated angle valve ½"connection (High Quality) (WC/WHB/SINK) | No. | 7 | |
| B.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 5 | |
| **C.** | **WASTE AND SEWER** | | | |
| C.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 8 | |
| (ii) | 50mm PN10 (Sink & floor drain discharge) | m | 7 | |
| (iii) | 110mm PN6 (Sewer) | m | 3 | |
| (iv) | 50mm PN6 (venting) | m | 4 | |
| C.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, Tees, | Lot | 1 | |
| | Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| C.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | COMPLETE INSTALLATION of sewer and waste pipes | | | |
| C.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| C.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 2 | |
| C.6 | PVC Vent cowl | No. | 1 | |
| C.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch approval) | | | |
| D | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| D.1 | Take delivery of the following sanitary wares from MC and install & | | | |
| | provide plumbing connections | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet washer | No. | 2 | |
| (ii) | WHB, c/w tap,, flexible pipes | No. | 2 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **E** | **Water tank** | Lot | 1 | |
| **F** | **Rain Water pipe** | Lot | 1 | |
| **G** | **External bip tap** | Lot | 1 | |
| | external bip tap | No. | 2 | |
| **E.** | **FIRE EXTINGUISHERS - 6monthly servicing and issue of maintenance certificate** | | | |
| | **Bottle type fire extinguishers, similar to S.R.I model.** | | | |
| E.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| E.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |

# SBM BANK(Mauritius)Ltd

## SBM ROSE HILL BRANCH

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 kA, | No. | 1 | |
| | Up/Voltage Protection Level 1.0 kV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer's recommendations) to the MLVP. | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs to be as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MLVP (MLVP to be segregated with all essential and non-essential | No. | 1 | |
| | loads within different compartments) | | | |
| C.2 | DB CO | No. | 1 | |
| C.3 | DB GF/Essential | No. | 1 | |
| C.4 | DB GF/Non essential | No. | 1 | |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | |
| C.5 | DB Pump | No. | 1 | |
| C.6 | SDB IF/Essential | No. | 1 | |
| C.7 | SDB IF/Non Essential | No. | 1 | |
| C.8 | SDB Basement/Essential | No. | 1 | |
| C.9 | SDB Basement/Non Essential | No. | 1 | |
| C.10 | SDB AC | No. | 1 | |
| C.11 | DB UPS (IN) | No. | 1 | |
| C.12 | DB UPS (OUT) | No. | 1 | |
| C.13 | DB UPS | No. | 1 | |
| C.14 | SDB UPS | No. | 1 | |
| C.15 | Enclosure for Incoming CEB Breaker and Isolator | | | |
| | Supply and install the following switchgear complete with waterproof | | | |
| | enclosure (IP55) | | | |
| C.15.1 | MCCB 4P 250A (For incoming CEB breaker) | No. | 1 | |
| C.15.2 | Isolator 4P 25A (For VRV Outdoor Units on GF & 1F) | No. | 4 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB** | | | |
| | **sockets & hand dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 96 | |
| F.1.2 | Switch point | No. | 6 | |
| F.1.3 | PIR detector point | No. | 3 | |
| F.1.4 | Socket point | No. | 183 | |
| F.1.7 | VRV AC Indoor Unit point | No. | 21 | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 138 | |
| F.2.2 | Switch point | No. | 12 | |
| F.2.3 | PIR detector point | No. | 13 | |
| F.2.4 | Socket point | No. | 120 | |
| F.2.6 | VRV AC Indoor Unit point | No. | 20 | |
| F.2.8 | Hand Dryer point | No. | 2 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Electrical accessories, proprietary back boxes, clip-on | | | |
| | brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| G.1 | **Ground Floor** | | | |
| | Recessed Installation | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 4 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| G.1.8.2 | Switch 1 gang, 1 way, 10 Amps | No. | 6 | |
| **G.2** | **First Floor** | | | |
| | Recessed Installation | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 8 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| G.2.3 | Switch 2 gang 1 way | No. | 1 | |
| G.2.8.2 | Switch 1 gang, 1 way, 10 Amps | No. | 8 | |
| G.2.9 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| **I.1** | **Ground Floor** | | | |
| I.1.1 | **On Partition** | | | |
| I.1.1.3 | Socket 1 gang 16 Amps | No. | 6 | |
| I.1.1.4 | Socket 2 gang 13 Amps | No. | 4 | |
| I.1.2 | **On Blockwall** | | | |
| I.1.2.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.1.3 | **On Trunking** | | | |
| I.1.3.1 | Switched Socket 1 gang 13 Amps | No. | 57 | |
| I.1.3.2 | Socket 1 gang 16 Amps | No. | 43 | |
| I.1.3.3 | Socket RJ45 Cat 6a. 1 gang | No. | 35 | |
| I.1.4 | **Above False Ceiling** | | | |
| I.1.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 21 | |
| I.1.4.4 | Socket RJ45, Cat 6a. 1 gang for WIFI Access Point | No. | 3 | |
| I.1.4.5 | Switched Socket 1 gang 13 Amps for access control (provision only) | No. | 3 | |
| I.1.4.6 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 4 | |
| I.1.4.7 | Switched Socket 1 gang 13 Amps for Automatic Door | No. | 2 | |
| **I.2** | **First Floor** | | | |
| I.2.1 | **On Partition** | | | |
| I.2.1.1 | Switched Socket 1 gang 13 Amps | No. | 8 | |
| I.2.1.2 | Socket RJ45 Cat 6a. 1 gang | No. | 5 | |
| I.2.1.3 | Socket 1 gang 16 Amps | No. | 5 | |
| I.2.1.5 | Socket 2 gang 13 Amps & 16 Amps | No. | 1 | |
| I.2.1.6 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 3 | |
| I.2.1.7 | HDMI Socket | No. | 1 | |
| I.2.2 | **On Blockwall** | | | |
| I.2.2.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| I.2.2.3 | Socket 2 gang 13 Amps & 16 Amps | No. | 2 | |
| I.2.3 | **On Trunking** | | | |
| I.2.3.1 | Switched Socket 1 gang 13 Amps | No. | 35 | |
| I.2.3.2 | Socket 1 gang 16 Amps | No. | 27 | |
| I.2.4 | **Above False Ceiling** | | | |
| I.2.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 20 | |
| I.2.4.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.2.4.4 | Socket RJ45, Cat 6a. 1 gang for WIFI Access Point | No. | 4 | |
| I.2.4.5 | Switched Socket 1 gang 13 Amps for access control (provision only) | No. | 1 | |
| I.2.4.6 | Switched Socket 1 gang 13 Amps for automatic door | No. | 1 | |
| I.2.5 | On Writing Desk & Meeting Table | | | |
| | **Pop-up box type 1 shall be 8 modules one and** | | | |
| | **equipped with 1xHDMI + 2x13A switched + 2x16A +** | | | |
| | **2xRJ45 sockets.** | | | |
| I.2.5.1 | Pop-up box Type 1 | No. | 1 | |
| **J.** | **LUMINAIRES** | | | |
| J.1 | **Ground Floor** | | | |
| J.1.2 | Type 2 | No. | 21 | |
| J.1.3 | Type 3(a) | No. | 51 | |
| J.1.4 | Type 3(b) | No. | 2 | |
| J.1.5 | Type 4(a) | No. | 6 | |
| J.1.7 | Type EM-1 | No. | 7 | |
| J.1.8 | Type EM-2 | No. | 4 | |
| J.1.10 | Type EM-4 | No. | 10 | |
| J.2 | **First Floor** | | | |
| J.2.1 | Type 1(a) | No. | 33 | |
| J.2.2 | Type 2 | No. | 17 | |
| J.2.3 | Type 3(a) | No. | 40 | |
| J.2.4 | Type 3(b) | No. | 12 | |
| J.2.5 | Type 4(a) | No. | 12 | |
| J.2.7 | Type EM-1 | No. | 11 | |
| J.2.8 | Type EM-2 | No. | 8 | |
| J.2.10 | Type EM-4 | No. | 4 | |
| **K.** | **UPS** | | | |
| K.1 | **First Floor** | | | |
| K.1.1 | 2 nos. UPS rated 15 kVA (Three phase in, Three phase out) in new computer room . | No | 2 | |
| **L.** | **Additional Electrical Installations** | | | |
| | External lights (recessed downlight) | LOT | 1 | |
| | External Lights (floodlights) | LOT | 1 | |
| | Lights under stairs | LOT | 1 | |
| | Additional electrical sockets in ATM room | LOT | 1 | |
| | Additional light points in Banking Hall on GF | LOT | 1 | |
| | Additional sockets at Tellers | LOT | 1 | |

### FIRE ALARM INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL - Inspection and report any faults to third party** | | | |
| A.1 | 4-loop addressable type fire alarm panel c/w associated power supply, 72 hr | No. | 1 | |
| | battery backup, on board printer,etc. | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following | | | |
| | field devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary | | | |
| | mounting bases. | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 13 | |
| B.1.2 | Heat Detector | No. | | |
| B.1.3 | Manual call point | No. | 3 | |
| B.1.4 | Electronic Sounder | No. | 3 | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 18 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 2 | |
| B.2.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of Fire** | | | |
| | **Certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services | Lot | 1 | |

### HVAC Installations

| Item | Description | Unit | Qty | Remarks |
|---|---|---|---|---|
| **4.1 Roof** | | | | |
| **GMV Outdoor Units** | | | | |
| 4.1.1 | GMV-335WMX | Nos. | 1 | Roof |
| 4.1.2 | MVR-G280WV2GN1 | Nos. | 1 | Roof |
| **4.2 Basement** | | | | |
| **GMV Indoor Units** | | | | |
| 4.2.1 | M1-35G/DHN1-M | Nos. | 1 | AC 04 basement |
| 4.2.2 | M1-71G/DHN1-M | Nos. | 1 | AC 01 basement |
| 4.2.3 | M1-71G/DHN1-M | Nos. | 1 | AC 02 basement |
| 4.2.4 | M1-71G/DHN1-M | Nos. | 1 | AC 03 basement |
| **Fresh Air Fan** | | | | |
| 4.3.1 | Fresh Air Fan | Nos. | 1 | |
| **4.4 Ground Floor** | | | | |
| **GMV Indoor Units** | | | | |
| 4.4.1 | GMV-ND36T/B-T | Nos. | 1 | Entrance Lobby |
| 4.4.2 | GMV-ND36T/B-T | Nos. | 1 | Entrance Lobby |
| 4.4.3 | GMV-ND36T/B-T | Nos. | 1 | Internet Banking |
| 4.4.4 | GMV-ND36T/B-T | Nos. | 1 | Waiting Area |
| 4.4.5 | GMV-ND36T/B-T | Nos. | 1 | Messenger |
| 4.4.6 | GMV-ND36T/B-T | Nos. | 1 | Supervisor |
| 4.4.7 | GMV-ND36T/B-T | Nos. | 1 | Teller |
| 4.4.8 | GMV-ND36T/B-T | Nos. | 1 | SME |
| 4.4.9 | GMV-ND36T/B-T | Nos. | 1 | CSR |
| 4.4.10 | GMV-ND27T/B-T | Nos. | 1 | H.O.V Teller |
| 4.4.11 | GMV-ND27T/B-T | Nos. | 1 | Supervisor |
| **4.5 First Floor** | | | | |
| **GMV INDOOR UNITS** | | | | |
| 4.5.1 | GMV-ND36T/B-T | Nos. | 1 | Meeu Room |
| 4.5.2 | GMV-ND36T/B-T | Nos. | 1 | PB Support |
| 4.5.3 | GMV-ND27T/B-T | Nos. | 1 | PB |
| 4.5.4 | GMV-ND36T/B-T | Nos. | 1 | Meeting Room |
| 4.5.5 | GMV-ND36T/B-T | Nos. | 1 | Branch Manager |
| 4.5.6 | GMV-ND27T/B-T | Nos. | 1 | PB |
| 4.5.7 | GMV-ND36T/B-T | Nos. | 1 | Waiting Area |
| 4.5.8 | GMV-ND36T/B-T | Nos. | 1 | Loan Officers |
| 4.5.9 | GMV-ND36T/B-T | Nos. | 1 | CSR |
| 4.5.10 | GMV-ND36T/B-T | Nos. | 1 | Waiting Area |
| 4.5.11 | GMV-ND36T/B-T | Nos. | 1 | Loan Supervisor |
| | Fresh Air Fan | | | |

### Plumbing & Fire-Fighting Installations

| | | | | |
|---|---|---|---|---|
| **B.** | **COLD WATER SUPPLY** | | | |
| B.2 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 1 | |
| B.3 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes. Inspection | | | |
| B.5 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| B.6 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| B.7 | Chrome plated angle valve ½"connection (High Quality) at wc/whb/sink/jw | No. | 13 | |
| B.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) at wc/whb/ sink/jw | No. | 13 | |
| **C.** | **WASTE & SEWER -Inspection and cleaning of sewer and waste pipes** | | | |
| C.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (whb discharge) | | | |
| (ii) | 50mm PN10 (waste collection, sink discharge) | | | |
| (iii) | 75mm PN10 (waste stack) | | | |
| (iv) | 110mm PN10 (wc discharge) | | | |
| C.2 | uPVC fittings, rated to PN6 & PN10. Solvent welded. Reducers, Tees, Elbows, Y-Tees | Lot | | |
| | Eyes -Inspection | | | |
| C.3 | Supports, saddles, screws, rawl bolts and all sundries for sewer and waste pipes-Insp | Lot | | |
| C.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 0 | |
| C.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 0 | |
| C.7 | Vent cowls on vent pipe ends-BTS. | No. | 3 | |
| **D.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| D.1 | | | | |
| (i) | WC, c/w flush valve, floating cistern mechanism, pan adaptor, jet washer | No. | 4 | |
| (ii) | WHB, c/w tap, flexible pipes | No. | 4 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **E.** | **FIRE EXTINGUISHERS** | | | |
| **E.1** | Bottle type fire extinguishers, similar to S.R.I model | | | |
| E.1.1 | 6.5 kg CO2 type (similar to S.R.I model) | No. | 5 | |
| E.1.2 | 4.0 kg ABC Dry chemical powder type | No. | 5 | |
| **F.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| F.1 | *Equipment Signages* | | | |
| | Fire extinguisher and fire-escape related signage, as per requirements of | Lot | 1 | |
| | BS 5499, to be fixed at strategic locations to indicate presence of | | | |
| | firefighting equipment, with photoluminescent characteristics | | | |

### BASEMENT

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs to be as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| A.1 | SDB Basement/E | No. | 1 | |
| A.2 | SDB Basement/NE | No. | 1 | |
| **D.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | installation and (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets** | | | |
| | **& hand dryer points** | | | |
| D.1 | **Basement** | | | |
| D.1.1 | Light point | No. | 24 | |
| D.1.2 | Switch point | No. | 5 | |
| D.1.4 | Socket point | No. | 115 | |
| D.1.7 | VRV AC Indoor Unit point | No. | 6 | |
| **E.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip-on | | | |
| | brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **E.1** | **Basement** | | | |
| E.1.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| E.1.2 | Switch 1 gang 2 way, 10A | No. | 2 | |
| E.1.3 | PIR Presence Detector with dual technology | No. | 2 | |
| E.1.4 | PIR Motion Detector with lighting management | No. | 2 | |
| **G.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| G.1 | *Ground Floor* | | | |
| G.1.2 | **On Blockwall** | | | |
| G.1.2.1 | Multistandard socket 16 A | No. | 2 | |
| G.1.3 | **On Trunking** | | | |
| G.1.3.1 | Switched Socket 1 gang 13 Amps | No. | 38 | |
| G.1.3.2 | Socket 1 gang 16 Amps | No. | 36 | |
| G.1.3.3 | Socket RJ45 Cat 6a. 1 gang | No. | 38 | |
| G.1.4 | **Above False Ceiling** | | | |
| G.1.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 6 | |
| G.1.4.2 | Socket RJ45, Cat 6a. 1 gang for WIFI Access Point | No. | 2 | |
| G.1.4.3 | Switched Socket 1 gang 13 Amps for access control (provision only) | No. | 3 | |
| **H.** | **LUMINAIRES** | | | |
| | Supply, install, test & commission the luminaires. | | | |
| H.1.1 | Type 6 | No. | 3 | |
| H.1.2 | Type 2 | No. | 21 | |
| H.1.3 | Type 4(a) | | | |
| H.1.4 | Type EM-4 | No. | 4 | |
| H.1.5 | Type EM-5 | No. | 8 | |

### BASEMENT- FIRE ALARM INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | |
|---|---|---|---|---|
| **A.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following | | | |
| | field devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary | | | |
| | mounting bases. | | | |
| A.1 | **Basement** | | | |
| A.1.1 | Smoke detector | No. | 9 | |
| A.1.2 | Manual call point | No. | 1 | |
| A.1.3 | Electronic Sounder | No. | 1 | |

**SBM ROYAL STREET - PORT LOUIS**

**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference the duration of the agreement. | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB FF/NE | No. | 1 | |
| C.2 | MDB FF/E | No. | 1 | |
| C.3 | SDB GF/NE | No. | 1 | |
| C.4 | SDB GF/E | No. | 1 | |
| C.5 | DB UPS (IN) | No. | 1 | |
| C.6 | DB UPS (OUT) | No. | 1 | |
| C.7 | SDB UPS | No. | 1 | |
| C.8 | DB CHANGEOVER | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm² PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 62 | |
| F.1.2 | Switch point | No. | 12 | |
| F.1.3 | PIR detector point | No. | 5 | |
| F.1.4 | Socket point | No. | 83 | |
| F.1.6 | Spilt AC unit point | No. | 11 | |
| F.1.7 | Fan point | No. | 2 | |
| F.1.8 | Hand dryer point | No. | 1 | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 44 | |
| F.2.2 | Switch point | No. | 8 | |
| F.2.4 | Socket point | No. | 62 | |
| F.2.6 | Spilt AC unit point | No. | 5 | |
| F.2.8 | HDMI Cabling | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| (i) | **Recessed Installation** | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 11 | |
| G.1.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.1.5 | PIR Presence Detector | No. | 1 | |
| G.1.6 | PIR Motion Detector with dual technology | No. | 4 | |
| G.2 | **First Floor** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.2.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| **H.** | **PVC TRUNKINGS AND POWER POLES** | | | |
| **H.2** | **First Floor** | | | |
| H.2.6 | Mini column/Power pole - 2 compartments (height 0.68m) | No. | 1 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| (i) | **On Partition** | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.2 | **First Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 2 | |
| (ii) | **On Blockwall** | | | |
| I.4 | **First Floor** | | | |
| I.4.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| I.4.2 | Socket 1 gang 16 Amps | No. | 2 | |
| (iii) | **On Trunking** | | | |
| I.5 | **Ground Floor** | | | |
| I.5.1 | Switched Socket 1 gang 13 Amps | No. | 30 | |
| I.5.2 | Socket 1 gang 16 Amps | No. | 18 | |
| I.5.3 | Socket RJ45 Cat 6a, 1 gang | No. | 26 | |
| I.6 | **First Floor** | | | |
| I.6.1 | Switched Socket 1 gang 13 Amps | No. | 22 | |
| I.6.2 | Socket 1 gang 16 Amps | No. | 18 | |
| I.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 18 | |
| I.6.5 | HDMI Socket | No. | 2 | |
| I.7.1 | Hand Dryer | No. | 1 | |
| (iv) | **On Meeting Table** | | | |
| | **Pop-up box type 1 shall be 8 modules one and equipped with** | | | |
| | **2X13A switched + 2x16A sockets + 2XRJ45 sockets + 1XHDMI** | | | |
| | **socket.** | | | |
| I.9 | **First Floor** | | | |
| I.9.1 | Pop-up box Type 1 | No. | 1 | |
| (v) | **Above False Ceiling** | | | |
| I.10 | **Ground Floor** | | | |
| I.10.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 11 | |
| I.10.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 2 | |
| I.10.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.10.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| I.10.8 | Switched Socket 1 gang 13 Amps for WIFI Access Point | No. | 2 | |
| I.10.9 | Socket 1 gang 16 Amps for WIFI Access Point | No. | 2 | |
| I.11 | **First Floor** | | | |
| I.11.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 5 | |
| I.11.8 | Switched Socket 1 gang 13 Amps for WIFI Access Point | No. | 2 | |
| I.11.9 | Socket 1 gang 16 Amps for WIFI Access Point | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.1 | Type 1 (a) | No. | 20 | |
| J.1.2 | Type 2 | No. | 5 | |
| J.1.3 | Type 3 (a) | No. | 14 | |
| J.1.4 | Type 3 (b) | No. | 3 | |
| J.1.5 | Type 4 (a) | No. | 7 | |
| J.1.6 | Type 5 | No. | 4 | |
| J.1.7 | Type EM-1 | No. | 4 | |
| J.1.8 | Type EM-2 | No. | 3 | |
| J.1.9 | Type EM-3 | No. | 2 | |
| **J.2** | **First Floor** | | | |
| J.2.1 | Type 1 (a) | No. | 8 | |
| J.2.2 | Type 2 | No. | 25 | |
| J.2.5 | Type 4 (a) | No. | 6 | |
| J.2.7 | Type EM-1 | No. | 1 | |
| J.2.8 | Type EM-2 | No. | 2 | |
| J.2.9 | Type EM-3 | No. | 2 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 6 kVA | Lot | 1 | |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | |
| 1 | Change Over Panel | Lot | 1 | |
| 2 | Rotary Switch for Generator Change Over | Lot | 1 | |
| 3 | Led Indicator for Power cut off with battery pack c/w cables | Lot | 1 | |
| 5 | Additional Downlight at SBM Main Entrance | Lot | 1 | |
| 6 | Additional Socket for Wifi | Lot | 2 | |
| 7 | Additional socket 13A for Digital Screen in FF | Lot | 1 | |
| | Power socket 13A | nos | 1 | |
| | **FIRE ALARM INSTALLATIONS** | | | |
| **A.** | **FIRE ALARM PANEL -Inspection and report any faults to third party** | | | |
| | **contractor** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc… | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting | | | |
| | bases. | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 11 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 6 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 1 | |
| B.2.4 | Electronic Sounder | No. | 1 | |
| **C.** | **LIAISON WITH FIRE SERVICES - only during application of fire** | | | |
| | **certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |
| | **Air Conditioning & Ventilation Installations** | | | |
| **B.** | **RELOCATE EXISTING AC SPLIT UNITS** | | | |
| B.1 | AC split units | | | |
| (i) | 10kW ceiling mounted first floor | No. | 2 | |
| (ii) | 3.6kW wall mounted units at GF | No. | 2 | |
| (iii) | 3.6kW wall mounted units at 1F | No. | 2 | |
| **C.** | **SPLIT AC DC INVERTER UNITS** | | | |
| C.1 | **Wall Mounted** DC inverter type split air conditioning unit | | | |
| (i) | 3.6kW | No. | 1 | |
| C.2 | **Compact** Cassette type DC inverter type split air conditioning unit. | | | |
| | 4 way air discharge flow, wireless remote control low noise, 3 fan speed | | | |
| (i) | 3.6kW | No. | 8 | |
| **G.** | **WALL EXTRACT FAN** | | | |
| G.1 | Wall extract fan, ABS construction, non-return shutter, low noise | | | |
| | operation, low energy consumption, 230V, 50Hz, | | | |
| | Fan operates on light switch. Capacity as per below: | | | |
| (i) | 70m³/h @ free flow (s/t ALDES DESIGN 100 series) | No. | 2 | |
| **H.** | **TRANSFER GRILLE** | | | |
| H.1 | 2 Nos Aluminium transfer grille to be installed at vault wall for pressure | Lot | 1 | |
| | equalization, dimension 200x100, fins to be angled to block visibility. | | | |
| | Intermediate duct space to be cast in reinforced concrete wall. | | | |
| | Transfer grille s/t ALDES SR 378 (COMPLETE INSTALLATION) | | | |
| | **Plumbing & Fire-Fighting Installations** | | | |
| **C.** | **COLD WATER SUPPLY** | | | |
| C.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø20/15mm | m | 18 | |
| C.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 1 | |
| C.3 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | | |
| C.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| C.5 | Automatic air release valve, ½" connection, Brass | No. | 1 | |
| C.6 | Water hammer arrestor, ½" connection, Brass | No. | 1 | |
| C.7 | Chrome plated angle valve ½"connection (High Quality) at sink, whb & | No. | 4 | |
| | wc,jetwasher | | | |
| C.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) at sink, | No. | 6 | |
| | whb & wc. | | | |
| **D.** | **WASTE & SEWER** | | | |
| D.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (whb discharge) | m | 1 | |
| (ii) | 50mm PN10 (waste collection, sink discharge) | m | 20 | |
| (iii) | 110mm PN10 (wc discharge) | m | 5 | |
| D.2 | uPVC fittings, rated to PN10. Solvent welded. Reducers, Tees, Elbows, | Lot | 1 | |
| | Y-Tees, Rodding Eyes, etc. (ALL DIMENSIONS FOR COMPLETE | | | |
| | INSTALLATION) | | | |
| D.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | sewer and waste pipes | | | |
| D.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| D.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 1 | |
| D.6 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch approval) | No. | 4 | |
| **E.** | PLUMBING CONNECTIONS TO SANITARY WARES | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor | No. | 2 | |
| (ii) | WHB, c/w tap., flexible pipes | No. | 1 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| **F.** | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of maintenance** | | | |
| | **certificate** | | | |
| F.2 | Bottle type fire extinguishers similar to S.R.I model | | | |
| F.2.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 1 | |
| F.2.2 | 4.0 kg ABC Dry chemical powder type | No. | 1 | |
| **G.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| G.1 | *Equipment Signages* | | | |
| | Fire extinguisher and fire-escape related signage, as per requirements | Lot | 1 | |
| | of BS 5499, to be fixed at strategic locations to indicate presence of | | | |
| | firefighting equipment, with photoluminescent characteristics | | | |

## SBM St Pierre

## ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the agreement | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | Up/Voltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer`s recommendations) to the MDB. | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire Alarm | No. | 4 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | DB UPS IN | No. | 1 | |
| C.3 | DB UPS OUT | No. | 1 | |
| C.4 | SDB UPS | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | Wiring as follows: | | | |
| (a) | 3C x 1.5mm2 PVC/PVC Cu cable for lighting. | | | |
| (b) | 3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & | | | |
| | hand dryer points. | | | |
| F.1 | Light point | No. | 50 | |
| F.2 | Switch point | No. | 20 | |
| F.3 | PIR detector point | No. | 2 | |
| F.4 | Socket point | No. | 101 | |
| F.5 | USB socket point | No. | 1 | |
| F.6 | Indoor AC unit point | No. | 8 | |
| F.7 | Fan point | No. | 3 | |
| G. | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Include for all electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| G.1 | Recessed Installation | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| G.1.3 | Switch 3 gang 1 way, 10A | No. | 3 | |
| G.1.6 | PIR Presence Detector | No. | 1 | |
| **H.** | **POWER POLES** | | | |
| H.4 | Rectangular column/ Power pole - 2 compartments (height 3.5m) | No. | 9 | |
| I. | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| I.1 | **On Partition** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 12 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 6 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 4 | |
| I.1.5 | HDMI Socket | No. | 1 | |
| I.2 | **On Blockwall** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 1 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 1 | |
| I.3 | **On Trunking** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 50 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 30 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 40 | |
| I.3.4 | USB Socket | No. | 1 | |
| I.3.5 | HDMI Socket | No. | 1 | |
| I.4 | **At Ceiling Level** | | | |
| I.4.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 8 | |
| I.4.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.4.5 | Socket RJ45, Cat 6a, 1 gang for WIFI/Extender Point | No. | 2 | |
| **J.** | **LUMINAIRES** | | | |
| J.1 | Type 1 | | | |
| J.1.1 | Track Light | m | 11 | |
| J.1.2 | Spot Light | No. | 12 | |
| J.2 | Type 2 | No. | 9 | |
| J.3 | Type 3/5 | No. | 20 | |
| J.7 | Type EM - 1 | No. | 2 | |
| J.8 | Type EM -2 | No. | 7 | |
| **K.** | **UPS** | | | |
| K.1 | Install 1 no. existing UPS rated 6 kVA (single phase in, single phase out) | Lot | 1 | |
| | and 1 no. SRF rated 2P 40A. Allow for all necessary interconnecting | | | |
| | cables. | | | |
| | **ADDITIONAL LIGHTING INSTALLATIONS** | | | |
| **1** | **External Light** | | | |
| | **LUMINAIRES** | | | |
| | Floodlights | No. | 4 | |
| | External UP/DOWN Wall Mounted Light | No. | 1 | |
| | Wall Mounted Light | No. | 4 | |
| **2** | **Tree Uplighters** | | | |
| | Spot for trees | No. | 6 | |
| **3** | **CONDUITS & WIRING** | | | |
| | Light point | No. | 6 | |
| | Waterproof connection | No. | 6 | |
| **4** | **Socket near each WAP** | | | |
| | **Above false ceiling** | | | |
| | Conduits and wiring for 13A Socket | No | 2 | |
| | 13A Socket | No | 2 | |
| **5** | **Changeover Panel** | | | |
| | 4P60A along with controls. | | | |
| | Interface with existing generator controller with parameters setting. | | | |
| | Inclusion of a mains monitoring system complete with control relays and fuses. | | | |

## FIRE ALARM INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL - Inspection and report faults to third party contractor** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, | No. | 1 | |
| | 72 hr battery backup, on board printer,etc… | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary acessories. | | | |
| | (ii) 2.5 $mm^2$ fire retardant cables to connect the following field devices | | | |
| | to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | Smoke detector | No. | 12 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of fire certificate** | | | |
| C.1 | Providing all necessary attendance to the Fire services during their | Lot | 1 | |
| | inspection/visits on site. | | | |
| C.2 | Preparation of three printed/bound sets of as-made drawings and test | Lot | 1 | |
| | certficates for submission to the fire services for fire clearance purposes | | | |
| C.3 | Allow for liaison with other sub-contractors for interfacing with their equipment. | Lot | 1 | |

## Air Conditioning and Ventilation Installations

| | | | | |
|---|---|---|---|---|
| **C.** | **Toilet Extraction** | | | |
| 1 | Supply & installation of 2 Nos wall extractor fan instead of an inline extraction fan. | No | 2 | |
| **D.** | **AIR EXTRACTION SYSTEM - KITCHEN** | | | |
| D.1 | Circular Plastic Core Grille (Similar to Aldes 149) complete with Automatic | | | |
| | Regulating Damper (Aldes MR Modulo) | | | |
| D.2 | Circular G/S Ducts (Spira Type) | | | |
| | (i) 160 mm | m | 3 | |
| D.3 | Ducts fittings wyes, tees, reducer sections, elbows & transition for | Lot | 1 | |
| | circular g/s ducts (All Dimensions) including accessories | | | |
| D.4 | Mupro type Supports, saddles and hangers at ceiling for complete | Lot | 1 | |
| | support of whole duct installation | | | |
| D.5 | In-line fan, Mixvent axial type, GS casing with ABS plastic impellers, | No. | 1 | |
| | 230V,50Hz, integral thermal protection, IP44 mounted on anti-vibration | | | |
| | mountings, power socket provided near fan at ceiling. Low Noise | | | |
| | (similar to Aldes Inline XPRO125 Series) | | | |
| | Fan Capacity:- | | | |
| | (i) 160 $m^3$/hr at 120 Pa | | | |
| D.6 | Flexible ducting, aluminium on steel helix at disc valves, Φ 100mm | m | 2 | |
| D.7 | Circular aluminium grille with horizontal fins c/w G/S duct connection to | | | |
| | fan. (Similar to Aldes AR 637 SERIES, anodised aluminium finish) | | | |
| | Dimensions: | | | |
| | (i) Φ 200mm | No. | 2 | |
| **E.** | **EXISTING FUNCTIONING SPLIT UNITS** | | | |
| E.3 | Existing, functioning AC split units including refrigerant piping, | | | |
| | condensate drain pipe, insulation, etc. with new timers to enable | | | |
| | AC units to work sequentially in 8 hour periods. | | | |
| (i) | 36000 Btu/hr (wall mounted split unit) | No. | 3 | |
| **F.** | **New Split AC DC Inverter Type at Banking Hall and Server Room (Supply and Installation)** | | | |
| F.1 | DC inverter type split air conditioning system c/w indoor and and | | | |
| | outdoor units R410a refrigerant, 3 fan speed, silent type, wireless | | | |
| | remote control. Outdoor unit to have G/S casing, black epoxy painted | | | |
| | condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| | Wall-Mounted Type AC Unit | | | |
| (i) | 12000 Btu/hr | No. | 2 | |
| | Compact Cassette Type AC Unit | | | |
| (ii) | 12000 Btu/hr | No. | 1 | |

## PLUMBING & FIRE FIGHTING INSTALLATIONS

| | | | | |
|---|---|---|---|---|
| **B.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| | Domestic water pump set, consisting of 1 Nos. centrifugal | Set | 1 | |
| | pumps connected in parallel, horizontal type , pre-piped, | | | |
| | pre-wired, Fully factory assembled,c/w Control panel, | | | |
| | pressure vessel, 4 Nos. stop valves, 2 Nos. non-return | | | |
| | valves. Operating in sequential and cascade mode. | | | |
| | Stainless steel parts. c/w Anti-vibration mounting pads. | | | |
| | Power Supply: 3 phase, 400V, 50 Hz IP55 Class F | | | |
| | Capacity per pump = 3$m^3$/h @ 25m | | | |
| | Pressure vessel (c/w manometer) = 200L | | | |
| | Float level switch for dry running control of pump set, non-mercury | Set | 1 | |
| | type, 230V, 50Hz c/w power & control cabling and PVC sleeves | | | |
| | Quarter-turn valve, 3/4" (Ø 25/20 mm connection) at Pressure | No. | 1 | |
| | vessel | | | |
| **C.** | **COLD WATER DISTRIBUTION** | | | |
| C.1 | uPVC pressure pipe, solvent welded, rated to PN16: | | | |
| | (i) φ 25/20 mm | m | 14 | |
| | (ii) φ 20/15 mm | m | 4 | |
| C.2 | Reducer sections, Tees, Elbows, Wyes, Unions, Adaptors, | Lot | 1 | |
| | Transition Fittings, etc. uPVC pressure fittings, solvent | | | |
| | welded (rated to PN16) | | | |
| C.3 | Automatic air release valve,1/2" connection,Brass | No. | 1 | |
| C.4 | Water hammer arrestor, 1/2" connection,Brass | No. | 1 | |
| C.5 | Mini ball valves at WHB | No. | 2 | |
| C.6 | Chrome plated angle valve (High Quality) 1/2" connection at | No. | 4 | |
| | WC cisterns | | | |
| C.7 | Chrome plated Angle valve (high Quality) for spray hose | No. | 4 | |
| C.8 | Flexible pipes (200mm long) ½"connection at WHB,WC | No. | 6 | |
| C.9 | Allow for unions, male adaptors, female adaptors, with | Lot | 1 | |
| | consumables | | | |
| **D.** | **WASTE & SEWER COLLECTION** | | | |
| D.1 | uPVC non pressure pipe, solvent welded, | | | |
| | (i) Ø 40mm PN6 (WHB Discharge) | m | 5 | |
| | (ii) Ø 50mm PN6 (Sink Discharge) | m | 10 | |
| | (iii)Ø110 mm PN6 (Sewer) | m | 10 | |
| D.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded c/w | Lot | 1 | |
| | consumables, Reducers, Tees, Elbows, Y-Tees, Rodding | | | |
| | Eyes, etc. | | | |
| D.3 | Reducer sections, Tees, Elbows, Wyes, Rodding eyes, | Lot | 1 | |
| | Angle elbows, etc. uPVC non pressure fittings, solvent | | | |
| | welded (rated to PN6) | | | |
| D.4 | Saddles, hangers and other holding accessories to pipes | Lot | 1 | |
| D.6 | P-traps (vertical inlet, horizontal outlet), 50 mm at sink | | | |
| | (i) 50mm at SINK | No. | 1 | |
| D.7 | Floor Trap 150x150mm (High Quality)(Similar to SAS Ref | No. | 2 | |
| | SS192 ) | | | |
| D.8 | PVC 110mm pan adaptor(Plastic) consumables, Reducers, | No | 2 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| D.9 | Polyethylene gully trap, complete with extension and access covers | No | 2 | |

## *FIRE-FIGHTING INSTALLATIONS*

| | | | | |
|---|---|---|---|---|
| **E.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| E.3 | (i) WC's,c/w flush valve, flushing cistern mechanism, pan | No. | 2 | |
| | adaptor | | | |
| | (ii) Wash hand basins including bottle traps | No. | 1 | |
| | (iii) Kitchen Sink,c/w tap,flexible pipes | No. | 1 | |
| **1** | **1 PE Water Tank at Ground Level** | | | |
| | **Water Tank and accessories** | | | |
| 1.1 | PE Water Tank 1000 Lt | No. | 1 | |
| 1.2 | Ball Valve 1/2" | No. | 1 | |
| 1.3 | Ball Valve 1" | No. | 2 | |
| 1.4 | uPVC PN 16 Piping 32mm from ground floor tank to tank at Roof | m | 12 | |
| 1.5 | uPVC PN 16 Piping 40mm from roof tank to reticulation | m | 8 | |
| 1.6 | Ball Valve 1 1/2" | No. | 1 | |
| **G.** | **FIRE EXTINGUISHERS** | | | |
| | Bottle type fireextinguishers, similar to S.R.I model. | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 4 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |
| G.3 | Wall bracket for wall mounting for fire extinguishers | No. | 8 | |
| **H.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| H.1 | *Equipment Signages* | | | |
| | Fire extinguisher, and fire-escape related signage, | Lot | 1 | |
| | as per requirements of BS 5499, to be fixed on wall, | | | |
| | doors, etc. to indicate presence of firefighting equipment, with | | | |
| | photoluminescent characteristics | | | |
| H.2 | *Fire Escape route indicators to BS 5499-4:2013* | | | |

| SBM Service Unit: | SSRNH | | | | |
|---|---|---|---|---|---|
| **System** | **Location** | **Description/Make/ Model** | **Serial No** | **Qty** | **Comments** |
| Air Conditioning | | MIDEA AIR-CONDITIONING 36K BTU CEILING | 3415395950283060160039 | 1 | Maintenance by others |
| | CSR Counter | MIDEA AIR-CONDITIONING 36K BTU CEILING | 341595950283060160017 | 1 | Maintenance by others |
| | | TRANE AIR-CONDITIONING 12K BTU CEILING | 2403878550177120120038 | 1 | Maintenance by others |
| | Meeting Room | TRANE AIR-CONDITIONING 12K BTU CEILING | 2403878550377150120029 | 1 | Maintenance by others |
| Generator | | GENERATOR FGW P11_SAE_ATS | FGWPEP41EMW004898 | 1 | Maintenance by others |
| Distribution Board | | | | | |
| Earthing/Lightning Protection System | Kitchen | Critec - Proline SRF 363 | EEMELEQU001614 | 1 | |
| Line Voltage Monitor | | | | | |
| Lighting | ATM Area (external) | Recess fitting c/w cover - PL econo bulb | | 1 | |
| | ATM room (internal) | Lighting fitting -2ft fluorescent tube | | 1 | |
| | External Areas | Hublot type lighting diffuser with E27 lighting fitting | | 1 | |
| | Entrance Lobby | Hublot type lighting diffuser with E27 lighting fitting | | 2 | |
| | Banking Hall | Lighting fitting -5ft fluorescent tube | | 8 | |
| | Back Office (CSR & Teller) | Lighting fitting -5ft fluorescent tube | | 2 | |
| | Kitchen | Lighting fitting - econo type bulb | | 1 | |
| | Meeting Room | Lighting fitting -5ft fluorescent tube | | 2 | |
| | Stationary Room | Lighting fitting -5ft fluorescent tube | | 1 | |
| | Toilet Area | Lighting fitting - econo type bulb | | 3 | (1 in toilet corridor) |
| | Vault | | | | |
| UPS | | UPS 6KVA POWERWARE PW9120 | RW132A0076 | 1 | |
| Power System (UPS socket) | ATM room (internal) | 16A socket outlet (French type) | | 1 | |
| | Teller Counters | 16A socket outlet (French type) | | 6 | |
| | CSR Areas | 16A socket outlet (French type) | | 12 | |
| | Back Office (Supervisor) | 16A socket outlet (French type) | | 3 | |
| | Computer Room | 16A socket outlet (French type) | | 4 | |
| | Meeting Room | 16A socket outlet (French type) | | 2 | |
| Power System (General Sockets) | ATM room (internal) | 13A socket outlet (British type) | | 1 | |
| | Teller Counters | 13A socket outlet (British type) | | 2 | |
| | CSR Areas | 13A socket outlet (British type) | | 3 | |
| | Back Office (Supervisor) | 13A socket outlet (British type) | | 1 | |
| | Corridor behind Teller & CSR | 13A socket outlet (British type) | | 2 | |
| | Kitchen | 13A socket outlet (British type) | | 1 | |
| | Toilet Area | 13A socket outlet (British type) | | 2 | |
| Alarm System | | | | | |
| Fire Fighting | | Fire Extinguisher (Co2 - 2.5Kg) | | 2 | |
| CCTV System | | | | | |
| Sign Board | External Area | POST MOUNTED ATM SIGN | | | |
| | | SBM CASH - CONVEX SIGN | | | Located on LHS |
| | | SBM NEON LETTERINGS | | | |
| Microwave | | MICROWAVE 20lt - WESTPOINT | | 1 | |
| Hand Dryer | | INDA | | 1 | |
| Plumbing & Public Health Systems | Toilet Area | WC set | | 2 | |
| | | Wash basin | | 1 | |
| | Kitchen | Sink | | 1 | |
| | Water Tank | | | | |
| Power Distribution unit | Non essential panel | Main isolator 63A - 4P | | 1 | |
| | | Circuit breaker 16A - 2P | | 1 | A/C unit |
| | | Circuit breaker 32A - 2P | | 2 | A/C units |
| | | Circuit breaker & Timer 25A | | 1 | External light |
| | Essential panel | Circuit breaker 38A - 2P | | 1 | Supply to UPS |
| | | Circuit breaker 16A - 2P | | 2 | Office lighting |
| | | Circuit breaker 16A - 2P | | 2 | |
| | UPS panel | Input Circuit breaker 32A - 2P | | 1 | |
| | | Output Circuit breaker 25A - 2P | | 1 | |
| | | Circuit breaker 16A - 2P | | 4 | |
| | | Circuit breaker 10A - 2P | | 2 | |
| | | Circuit breaker 6A - 2P | | 1 | |
| | | Circuit breaker 10A - 2P | | 2 | For CCTV |

**SBM STANLEY BRANCH**
**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - IEE Wiring Regulations – Eighteenth Edition published by the British Standards Institution. This document shall serve as a reference throughout the duration of the agreement . | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, Up/Voltage Protection Level 1.0kV and complete with in built fuse & enclosure. Include for all cables, circuit breakers/fuses and accessories for "Short" connection of the above (as per manufacturer's recommendations) to the MDB. | No. | 1 | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class III Type 2 (For UPS) | No. | 1 | |
| A.3 | Surge Reduction Filter 1Ø 230V 10A Class III Type 3 (Fire Alarm Panel, Burglar Alarm, Access Control & CCTV) | No. | 4 | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, contactors, cabling accessories, distribution blocks, outgoing terminals, busbars and engraved labels. All DBs to be are as per on site schematic drawings and specifications and include 30% spare capacity. | | | |
| C.1 | MDB | No. | 1 | |
| C.2 | SDB 1F | No. | 1 | |
| C.3 | DB UPS IN | No. | 1 | |
| C.4 | DB UPS OUT | No. | 1 | |
| C.5 | SDB UPS | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes For concealed or surface<br>(b) wires to connect terminal points below and to their respective electrical panels. | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **2C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand dryer points** | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point (Ground floor + Basement) | No. | 66 | |
| F.1.2 | Switch point | No. | 9 | |
| F.1.3 | PIR detector point | No. | 3 | |
| F.1.4 | Socket point | No. | 89 | |
| F.1.5 | Split AC unit point | No. | 9 | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 69 | |
| F.2.2 | Switch point | No. | 10 | |
| F.2.3 | PIR detector point | No. | 7 | |
| F.2.4 | Socket point | No. | 51 | |
| F.2.5 | Split AC unit point | No. | 7 | |
| F.2.7 | Hand Dryer point | No. | 2 | |
| F.2.8 | Fan point | No. | 1 | |
| F.2.9 | HDMI Cabling<br>HDMI cabling from TV Screen in meeting rooms to meeting table. | No. | 1 | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Electrical accessories, proprietary back boxes, clip-on brackets, support frames, cover plates and other accessories required For recessed/surface mounting where applicable. | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.1.9 | PIR Presence Detector (Proposed EE815) | No. | 2 | |
| G.1.6 | PIR Motion Detector with dual technology (Proposed EE805) | No. | 1 | |
| G.2 | **First Floor** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| G.2.9 | PIR Presence Detector (Proposed EE815) | No. | 4 | |
| G.2.6 | PIR Motion Detector with dual technology (Proposed EE805) | No. | 3 | |
| (ii) | **On Trunking** | | | |
| G.3 | **Ground Floor** | | | |
| G.3.1 | Switch 1 gang 1 way, 10A | No. | 1 | |
| G.3.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.4 | **First Floor** | | | |
| G.4.1 | Switch 1 gang 1 way, 10A | No. | 5 | |
| G.4.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.4.3 | Switch 3 gang 1 way, 10A | No. | 1 | |
| G.5.1 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS**<br>Accessories (clip-on support, frames, etc.) for mounting power sockets onto trunkings, blockwall & partition. | | | |
| (i) | **On Partition** | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 3 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.1.4 | Socket 2 gang 13 Amps | No. | 1 | |
| I.1.5 | Socket 2 gang 16 Amps | No. | 1 | |
| I.1.7 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 1 | |
| I.2 | **First Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 1 | |
| I.2.4 | Socket 2 gang 13 Amps | No. | 1 | |
| I.2.5 | Socket 2 gang 16 Amps | No. | 1 | |
| I.2.6 | Socket 2 gang RJ45 Cat 6a | No. | 1 | |
| I.2.10 | HDMI Socket | No. | 2 | |
| (iii) | **On Trunking** | | | |
| I.3 | **Ground Floor** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 35 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 20 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 23 | |
| I.6 | **First Floor** | | | |
| I.6.1 | Switched Socket 1 gang 13 Amps | No. | 15 | |
| I.6.2 | Socket 1 gang 16 Amps | No. | 10 | |
| I.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 11 | |
| (iv) | **Above False Ceiling** | | | |
| I.9 | **Ground Floor** | | | |
| I.9.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 9 | |
| I.9.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.9.6 | Socket RJ45, Cat 6a, 1 gang for WiFi Access Point | No. | 2 | |
| I.9.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| I.10 | **First Floor** | | | |
| I.10.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 7 | |
| I.10.3 | Switched Socket 1 gang 13 Amps for extractor Fan | No. | 1 | |
| I.10.6 | Socket RJ45, Cat 6a, 1 gang for WiFi Access Point | No. | 2 | |
| **J.** | **LUMINAIRES**<br>**Supply, install, test & commission the luminaires.** | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.2 | Type 2 | No. | 7 | |
| J.1.3 | Type 3 (a) | No. | 32 | |
| J.1.4 | Type 3 (b) | No. | 4 | |
| J.1.5 | Type 4 (a) | No. | 8 | |
| J.1.6 | Type 5 | No. | 2 | |
| J.1.7 | Type EM-1 | No. | 6 | |
| J.1.8 | Type EM-2 | No. | 2 | |
| J.1.10 | Type EM-4 | No. | 4 | |
| J.1.11 | Type EM-5 | No. | 1 | |
| **J.2** | **First Floor** | | | |
| J.2.1 | Type 1 (a) | No. | 5 | |
| J.2.2 | Type 2 | No. | 2 | |
| J.2.3 | Type 3 (a) | No. | 41 | |
| J.2.4 | Type 3 (b) | No. | 8 | |
| J.2.5 | Type 4 (a) | No. | 5 | |
| J.2.7 | Type EM-1 | No. | 3 | |
| J.2.8 | Type EM-2 | No. | 5 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out) to the new technical room. | Lot | 1 | |
| 1. | **Changeover panel 4P125A** | No. | 1 | |
| | **External Lights, Signages and Roller shutters** | | | |
| 2. | **Conduit and wiring**<br>a) external light point<br>b) Signages and Totem | No.<br>No. | 20<br>3 | |
| 3. | **External Luminaire**<br>a) Fumagalli- Model: UrbertaPOWER: 11 WLuminous intensity: 1300lm COLOR TEMP: 4000 KINGRESS PROTECTION (IP): 65 | No. | 3 | |
| | b)ROBUS-Cavan _ DL2 | No. | 15 | |
| | c) Square frame- 14W Graphite LED for Vault | No. | 3 | |
| | d) Floodlight 30W- Robust | No. | 2 | |
| 4. | **Additional power points and switchgears for 2 roller shutters** | | | |
| 4.1 | RCBO 1P +N 16A -30mA | Lot | 2 | |

## FIRE ALARM INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL - Inspection and report any faults to third part contractor** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, 72 hr battery backup, on board printer,etc... | No. | 1 | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | (i) all wireways complete with proprietary accessories.<br>(ii) 2.5 mm² fire retardant cables to connect the following Field devices to the corresponding loop/zone.<br>(iii) Fire alarm accessories complete with proprietary mounting bases. | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 9 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 9 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 1 | |
| B.2.4 | Electronic Sounder | No. | 1 | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of fire** | | | |
| C.1 | Providing all necessary attendance to the Fire services during their inspections/visits on site. | Lot | 1 | |

## Air Conditioning and Ventilation Installations

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **FRESH AIR INTAKE** | | | |
| A.1 | **Basement /Vault**<br>2 Nos Aluminum transfer grille to be installed at vault wall for pressure equalization, dimension 200x100, fins to be angled to block visibility. Intermediate duct and plenum to be installed in reinforced concrete wall. Transfer grille s/t ALDES AC10ZD Series | Lot | 1 | |
| **B.** | **TOILET EXTRACTION** | | | |
| (i) | **FIRST FLOOR** | | | |
| B.1 | Disc valve, circular type with adjustable centre cone fixed to false ceiling, capacity per disc valve = 60m³/h<br>Ø 160 mm diffuser with Ø 100mm inlet (Similar to ALDES SR 149) | No. | 5 | |
| B.2 | Circular G/S Ducts (Spiro Type)<br>(i) 100 mm<br>(ii) 160 mm | <br>m<br>m | <br>8<br>14 | |
| B.3 | Ducts fittings wyes, tees, reducer sections, elbows & transition for circular g/s ducts (All Dimensions) including accessories | Lot | 1 | |
| B.4 | Mupro type Supports, saddles and hangers at ceiling for complete support of whole duct installation | Lot | 1 | |
| B.5 | In-line fan, Mixvent axial type, GS casing with ABS plastic impellers, 230V/50Hz, integral thermal protection, IP44 mounted on anti-vibration mountings, power socket provided near fan at ceiling. Low Noise (similar to Aldes Inline XPRO Series) Fan Capacity :-<br>(i) 420 m³/hr at 120 Pa | No. | 1 | |
| B.6 | Flexible ducting, aluminium on steel helix at disc valves | | | |
| B.6.1 | Ø 100mm | m | 5 | |
| B.7 | Circular aluminium grille with horizontal fins c/w G/S duct connection to fan. (Similar to Aldes AR 637 SERIES, anodised aluminium finish) Dimensions: | | | |
| B.7.1 | Ø 250mm | No. | 2 | |
| **C.** | **SPLIT AC UNIT** | | | |
| (i) | **GROUND FLOOR** | | | |
| C.1 | DC inverter wall mounted type split air conditioning system c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, silent type, wireless remote control. Outdoor unit to have G/S casing, black epoxy painted condenser fins.<br>Single Phase: 230 V 50Hz | | | |
| C.1.1 | 5.3 kWc | No. | 2 | |
| C.2 | 4 way cassette type DC inverter type split air conditioning system c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, silent type, wireless remote control. Outdoor unit to have G/S casing, black epoxy painted condenser fins.<br>Single Phase: 230 V 50Hz | | | |
| C.2.2 | 5.3kWc | No. | 2 | |
| (ii) | **FIRST FLOOR** | | | |
| C.3 | 4 way cassette type DC inverter type split air conditioning system c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, silent type, wireless remote control. Outdoor unit to have G/S casing, black epoxy painted condenser fins.<br>Single Phase: 230 V 50Hz | | | |
| C.3.1 | 5.3kWc | No. | 2 | |
| C.3.3 | 5.3kWc | No. | 2 | |
| (iii) | **GROUND & FIRST FLOOR** | | | |
| **D.** | **EXISTING FUNCTIONING SPLIT UNITS** | | | |
| (i) | **GROUND FLOOR & FIRST FLOOR** | | | |
| D.2 | Relocate existing, functioning split AC units.<br>Review existing split AC unit Piping,trunking and insulation<br>Supply and install damaged Piping,trunking and insulation if any.<br>Hot dipped G/S supports, hangers, rawl bolts, cable trays, thick rubber vibration isolators (all similar to MUPRO) for holding all indoor and outdoor units and pipings. | | | |
| D.2.2 | Ceiling/Floor Mounted split unit | No. | 3 | |

## Plumbing & Fire-Fighting Installations

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| **C.** | **EXTERNAL WASTE AND SEWER** | | |
| | Inspect, maintain and clean | | |
| C.1 | uPVC PN10 pipe | | |
| (i) | Ø75mm (waste pipe) (From building to gully trap) | m | 2 |
| (ii) | Ø110mm (sewer pipe) (From buildings to manholes) | m | 3 |
| C.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid underground between sewer manholes) Ø160mm | m | 14 |
| | (Note: All existing sewer manholes on site are in concrete by MC. Plumbing contractor to liaise with MC for laying of underground pipes) | | |
| **D.** | **COLD WATER SUPPLY** | | |
| | Inspect, maintain and clean | | |
| D.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | |
| (i) | Ø32/25mm | m | 14 |
| (ii) | Ø25/20mm | m | 10 |
| (iii) | Ø20/15mm | m | 15 |
| D.2 | Quarter turn valve in DR Brass, for 20/15 pipe at mains tapoff | No. | 1 |
| D.3 | Quarter turn valve in DR Brass, for 25/20 pipe at mains tapoff | No. | 1 |
| D.4 | Quarter turn valve in DR Brass, for 32/25 pipe at mains tapoff | No. | 4 |
| D.9 | Chrome plated angle valve ½"connection (High Quality ) (WC/WHB/SINK) | No. | 3 |
| D.10 | Flexible pipes (150 / 200mm long) ½" connection (High Quality ) | No. | 7 |
| **E.** | **WATER TANKS** | | |
| E.1 | Above ground PE water tank (volume 1000L) c/w fittings and accessories as specified in drawing | Lot | 1 |
| E.2 | Distribution pipes in uPVC PN 16 | | |
| (i) | Ø 32/25mm (from CWA to Water Tank to pump) | m | 12 |
| **F.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | |
| | Supply and install the Following | | |
| F.1 | Domestic water pump set, consisting of 1 Nos. centrifugal pumps connected in parallel, horizontal type, , pre-piped, pre-wired, Fully Factory assembled,c/w Control panel, pressure vessel, 2 Nos. stop valves, 1 Nos. non-return valves. Operating in sequential and cascade mode. Stainless steel parts, c/w Anti-vibration mounting pads. Power Supply: 3 phase, 400V, 50 Hz IP55 Class F Capacity per pump = 3m³/h @ 25m Pressure | Set | 1 | |
| | vessel (c/w manometer) = 50L | | | |
| F.2 | Float level switch for dry running control of pump set, non-mercury type, 230V, 50Hz c/w power & control cabling and PVC sleeves | Lot | 1 | |
| F.3 | Quarter-turn valve, 3/4" (Ø 25/20 mm connection) at Pressure vessel | No. | 1 | |
| **G.** | **WASTE AND SEWER** | | | |
| G.1 | uPVC pipe, solvent welded, diameter | | | |
| G.1.1 | 40mm PN6 (WHB Discharge) | m | 7 | |
| G.1.2 | 50mm PN10 (Sink & Floor drain discharge) | m | 11 | |
| G.1.3 | 63mm and 75mm PN10 | m | 15 | |
| G.1.4 | 110mm PN6 (Sewer) | m | 9 | |
| G.1.5 | 50mm PN6 (venting) | m | 8 | |
| G.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| G.6 | PVC Vent cowl | No. | 2 | |
| G.7 | L shape Side-drain wall corner drain in Stainless steel (high quality to Architect's approval) DN 50 outlet | No. | 5 | |
| **H.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| H.2.1 | WC, c/w Flush valve, flushing cistern mechanism, pan adaptor, jet washer | No. | 3 | |
| H.2.2 | WHB, c/w tap, flexible pipes | No. | 2 | |
| H.2.3 | Kitchen sink, c/w tap, flexible pipes | No. | 2 | |
| H.2.4 | Janitor, c/w tap, flexible pipes | No. | 1 | |
| **I.** | **FIRE EXTINGUISHERS** | | | |
| | Bottle type fire extinguishers(similar to S.R.1 model: | | | |
| I.2 | **Ground Floor** | | | |
| I.2.1 | 6.8 kg CO2 type (similar to S.R.1 model) | No. | 4 | |
| I.2.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |
| I.3 | **First Floor** | | | |
| I.3.1 | 6.8 kg CO2 type (similar to S.R.1 model) | No. | 4 | |
| I.3.2 | 4.0 kg ABC Dry chemical powder type | No. | 4 | |
| **J.** | **SAFETY & FIRE ESCAPE SIGNAGES** | | | |
| *J.1* | *Equipment Signages* | | | |
| | Fire extinguisher and Fire-escape related signage, as per requirements of BS 5499, to be Fixed at strategic locations to indicate presence of Firefighting equipment, with photoluminescent characteristics | Lot | 1 | |

**SBM SURINAM**

**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the agreement. | | | |
| | | | | |
| | | | | |
| **A.** | **SURGE PROTECTION** | | | |
| | | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. Include for all cables, circuit breakers/fuses and | | | |
| | accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer´s recommendations) to the MDB. | | | |
| | | | | |
| A.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| | | | | |
| A.3 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 0 | |
| | Panel, Burglar Alarm, Access Control & CCTV) | | | |
| | | | | |
| **B.** | **EARTHING** | | | |
| | | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| | | | | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | MDB GF | No. | 1 | |
| C.2 | SDB FF | No. | 1 | |
| C.3 | DB UPS IN | No. | 1 | |
| C.4 | DB UPS OUT | No. | 1 | |
| C.5 | SDB UPS | No. | 1 | |
| C.6 | 3 PHASE CHANGEOVER PANEL | No. | 1 | |
| C.7 | ISOLATOR FOR PUMP | No. | 1 | |
| | | | | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets & hand dryer points** | | | |
| | | | | |
| F.1 | **Ground Floor** | | | |
| F.1.1 | Light point | No. | 80 | |
| F.1.2 | Switch point | No. | 13 | |
| F.1.3 | PIR detector point | No. | 3 | |
| F.1.4 | Socket point | No. | 58 | |
| F.1.6 | Split AC unit point | No. | 6 | |
| | | | | |
| F.1.8 | HDMI Cabling | | | |
| | Allow for HDMI cabling from TV Screen in meeting rooms to | No. | 1 | |
| | meeting table. | | | |
| | | | | |
| F.2 | **First Floor** | | | |
| F.2.1 | Light point | No. | 68 | |
| F.2.2 | Switch point | No. | 11 | |
| F.2.3 | PIR detector point | No. | 6 | |
| F.2.4 | Socket point | No. | 50 | |
| F.2.5 | USB socket point | No. | 0 | |
| F.2.6 | Split AC unit point | No. | 5 | |
| F.2.7 | Hand Dryer point | No. | 2 | |
| F.2.8 | Fan point | No. | 1 | |
| | | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| **(I)** | **Recessed Installation** | | | |
| | | | | |
| G.1 | **Ground Floor** | | | |
| G.1.1 | Switch 1 gang 1 way, 10A | No. | 2 | |
| G.1.5 | PIR Presence Detector | No. | 2 | |
| G.1.6 | PIR Motion Detector with dual technology | No. | 1 | |
| | | | | |
| G.2 | **First Floor** | | | |
| G.2.1 | Switch 1 gang 1 way, 10A | No. | 8 | |
| G.2.5 | PIR Presence Detector | No. | 4 | |
| G.2.6 | PIR Motion Detector with dual technology | No. | 2 | |
| | | | | |
| **(II)** | **On Trunking** | | | |
| | | | | |
| G.3 | **Ground Floor** | | | |
| G.3.1 | Switch 1 gang 1 way, 10A | No. | 9 | |
| G.3.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.4 | **First Floor** | | | |
| G.4.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| G.4.2 | Switch 1 gang 2 way, 10A | No. | 3 | |
| G.5.1 | Hand Dryer | No. | 2 | |
| | | | | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| | | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 10 | |
| I.1.2 | Socket 1 gang 16 Amps | No. | 2 | |
| I.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.1.10 | HDMI Socket | No. | 2 | |
| | | | | |
| I.2 | **First Floor** | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 7 | |
| I.2.2 | Socket 1 gang 16 Amps | No. | 4 | |
| I.2.3 | Socket RJ45 Cat 6a, 1 gang | No. | 5 | |
| **(II)** | **On Blockwall** | | | |
| | | | | |
| | | | | |
| I.3 | **Ground Floor** | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 2 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 1 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.3.5 | HDMI Socket | No. | 1 | |
| I.3.6 | Plexo Box with socket points for event lights | No. | 1 | |
| | | | | |
| I.4 | **First Floor** | | | |
| 1.4.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| **(III)** | **On Trunking** | | | |
| | | | | |
| I.5 | **Ground Floor** | | | |
| I.5.1 | Switched Socket 1 gang 13 Amps | No. | 25 | |
| I.5.2 | Socket 1 gang 16 Amps | No. | 17 | |
| I.5.3 | Socket RJ45 Cat 6a, 1 gang | No. | 19 | |
| I.5.5 | HDMI Socket | No. | 1 | |
| | | | | |
| I.6 | **First Floor** | | | |
| I.6.1 | Switched Socket 1 gang 13 Amps | No. | 21 | |
| I.6.2 | Socket 1 gang 16 Amps | No. | 10 | |
| I.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 15 | |
| **(IV)** | **On Meeting Table** | | | |
| | | | | |
| **(V)** | **At False Ceiling Level** | | | |
| | | | | |
| I.9 | **Ground Floor** | | | |
| I.9.1 | Double pole switch 20 Amps | No. | 4 | |
| I.9.2 | Double pole switch 45 Amps | No. | 2 | |
| I.9.5 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.9.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.9.7 | Switched Socket 1 gang 13 Amps for WIFI Access Point | No. | 2 | |
| I.9.8 | Socket 1 gang 16 Amps for WIFI Access Point | No. | 2 | |
| I.9.9 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 3 | |
| I.9.10 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 2 | |
| I.9.11 | Switched Socket 1 gang 13 Amps for Motorised Awning | No. | 1 | |
| | | | | |
| I.10 | **First Floor** | | | |
| I.10.1 | Double pole switch 20 Amps | No. | 3 | |
| I.10.2 | Double pole switch 45 Amps | No. | 2 | |
| I.10.4 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| I.10.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| I.10.7 | Switched Socket 1 gang 13 Amps for WIFI Access Point | No. | 2 | |
| I.10.8 | Socket 1 gang 16 Amps for WIFI Access Point | No. | 2 | |
| I.10.9 | Socket RJ45, Cat 6a, 1 gang for access control | No. | 2 | |
| I.10.11 | Switched Socket 1 gang 13 Amps for micro computer for digital screen | No. | 2 | |
| I.10.12 | Socket RJ45, Cat 6a, 1 gang for access control for micro computer | No. | 2 | |
| | for digital screen. | | | |
| | | | | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| | | | | |
| **J.1** | **Ground Floor** | | | |
| J.1.2 | Type 2 | No. | 7 | |
| J.1.3 | Type 3 (a) | No. | 49 | |
| J.1.4 | Type 3 (b) | No. | 7 | |
| J.1.5 | Type 4 (a) | No. | 6 | |
| J.1.7 | Type EM-1 | No. | 2 | |
| J.1.8 | Type EM-2 | No. | 5 | |
| J.1.10 | Type EM-4 | No. | 1 | |
| J.1.11 | Type EM-5 | No. | 3 | |
| | | | | |
| **J.2** | **First Floor** | | | |
| J.2.1 | Type 1 (a) | No. | 11 | |
| J.2.2 | Type 2 | No. | 6 | |
| J.2.3 | Type 3 (a) | No. | 37 | |
| J.2.5 | Type 4 (a) | No. | 6 | |
| J.2.7 | Type EM-1 | No. | 4 | |
| J.2.8 | Type EM-2 | No. | 4 | |
| J.1.10 | Type EM-4 | No. | 2 | |
| | | | | |
| **K.** | **UPS** | | | |
| | | | | |
| K.1 | UPS rated 6 kVA (single phase in, single phase out) to the new technical room | Lot | 1 | |
| | | | | |
| | Additional Installations | | | |
| 1.0 | wall-mounted light fittings | | | |
| 2.0 | floodlight for roof standby generator set lighting | | | |
| 3.0 | power supply to Totem & Main Signage | | | |
| 4.0 | Additional Earthing | | | |
| 5.0 | power point for access control | | | |
| 6.0 | power points for Fresh Air Fan & Dehumidifier | | | |
| 7.0 | universal sockets on partition | | | |
| 10.0 | Power point for ATM signage | | | |
| 11.0 | microwave socket | | | |
| | **FIRE ALARM INSTALLATIONS** | | | |
| | | | | |
| | | | | |
| **A.** | **FIRE ALARM PANEL - Inspection and report on faults** | | | |
| | | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, 72 hr battery backup, on board | No. | 1 | |
| | printer,etc… | | | |
| | | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm$^2$ fire retardant cables to connect the following field devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| | | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 11 | |
| B.1.2 | Heat Detector | No. | 0 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| | | | | |
| B.2 | **First Floor** | | | |
| B.2.1 | Smoke detector | No. | 10 | |
| B.2.2 | Heat Detector | No. | 1 | |
| B.2.3 | Manual call point | No. | 1 | |
| B.2.4 | Electronic Sounder | No. | 1 | |
| | | | | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during application of fire certificate** | | | |
| | | | | |
| C.1 | Providing all necessary attendance to the Fire services during their inspection/visits on site. | Lot | 1 | |
| | | | | |

## SBM BRANCH TRIOLET

### ELECTRICAL INSTALLATIONS

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS | | | |
| | 7671: 2018 - IEE Wiring Regulations - Eighteenth Edition published | | | |
| | by the British Standards Institution. This document shall serve as a | | | |
| | reference throughout the duration of the agreement. | | | |
| | | | | |
| **B.** | **SURGE PROTECTION** | | | |
| | | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | UpVoltage Protection Level 1.0KV and complete with in built | | | |
| | fuse & enclosure. Include for all cables, circuit breakers/fuses | | | |
| | and accessories for "Shunt" connection of the above (as per | | | |
| | manufacturer´s recommendations) to the MDB. | | | |
| | | | | |
| B.2 | Surge Reduction Filter 1Ø 230V 40A Class II/ Type 2 (For UPS) | No. | 1 | |
| | | | | |
| B.3 | Surge Reduction Filter 1Ø 230V 10A Class III/ Type 3 (Fire | No. | 4 | |
| | Alarm Panel, Burglar Alarm, Access Control & CCTV) | | | |
| | | | | |
| **C.** | **EARTHING** | | | |
| | Inspection and testing of the main Earthing System | | | |
| | Earth resistance < 2.5 Ω. | | | |
| **E.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| | | | | |
| E.1 | DB CHANGEOVER | No. | 1 | |
| E.2 | MDB | No. | 1 | |
| E.3 | DB ISOLATOR,4P 100A | No. | 1 | |
| E.4 | DB 1F | No. | 1 | |
| E.5 | DB UPS IN | No. | 1 | |
| E.6 | DB UPS OUT | No. | 1 | |
| E.7 | SDB UPS | No. | 1 | |
| E.8 | SDB VRF ROOF | No. | 1 | |
| | | | | |
| E.10.2 | 2P 25A (For Domestic Water Pump Control Panel) | No. | 1 | |
| | | | | |
| **H.** | **CONDUITS & WIRING** | | | |
| | | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring as follows:** | | | |
| (a) | **3X1C x 1.5mm2 PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3X1C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| (c) | **3X1C x 2.5mm2 or 4.0mm2 PVC/PVC Cu cable for AC DP switch** | | | |
| | | | | |
| **H.1** | **Basement** | | | |
| H.1.1 | Light Point | No. | 12 | |
| | | | | |
| **H.2** | **Ground Floor** | | | |
| H.2.1 | Light point | No. | 55 | |
| H.2.2 | Switch point | No. | 5 | |
| H.2.3 | PIR point | No. | 5 | |
| H.2.4 | Socket point | No. | 37 | |
| H.2.5 | Split AC unit point | No. | 6 | |
| H.2.6 | Hand Dryer point | No. | 1 | |
| | | | | |
| **H.3** | **First Floor** | | | |
| H.3.1 | Light point | No. | 52 | |
| H.3.2 | Switch point | No. | 2 | |
| H.3.3 | PIR point | No. | 1 | |
| H.3.4 | Socket point | No. | 42 | |
| H.3.5 | Split AC unit point | No. | 7 | |
| | | | | |
| **H.4** | **Roof** | | | |
| H.4.1 | Light point | No. | 7 | |
| H.4.2 | Socket point | No. | 1 | |
| H.4.3 | Plexo Box for Event lighting | No. | 3 | |
| | | | | |
| **H.5** | **External** | | | |
| H.5.1 | Light Point | No. | 12 | |
| | | | | |
| **I.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Electrical accessories, proprietary back boxes, clip- | | | |
| | on brackets, support frames, cover plates and other accessories | | | |
| | required for recessed/surface mounting where applicable. | | | |
| | | | | |
| **(I)** | **Recessed Installation** | | | |
| | | | | |
| I.1 | **Ground Floor** | | | |
| I.1.1 | Switch 1 gang 2 way, 10A | No. | 1 | |
| I.1.2 | Switch 1 gang 6 way, 10A | No. | 1 | |
| I.1.3 | Double pole switch 20 Amps with LED indicator for AC | No. | 1 | |
| I.1.4 | PIR Presence Detector | No. | 2 | |
| I.1.5 | PIR Motion Detector with dual technology | No. | 3 | |
| | | | | |
| I.2 | **First Floor** | | | |
| I.2.1 | Switch 1 gang 1 way, 10A | No. | 2 | |
| I.2.2 | Switch 1 gang 8 way, 10A | No. | 1 | |
| I.2.3 | Double pole switch 20 Amps with LED indicator for AC | No. | 1 | |
| I.2.4 | PIR Presence Detector | No. | 1 | |
| | | | | |
| I.3 | Take delivery, Install, test and commission the following complete | | | |
| | with all accessories: | | | |
| | | | | |
| I.3.1 | Hand Dryer | No. | 1 | |
| | | | | |
| **K.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | | | | |
| | Accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| K.1 | **Ground Floor** | | | |
| K.1.1 | Switch 1 gang 1 way, 10A | No. | 3 | |
| K.1.2 | Socket 1 gang 13 Amps | No. | 3 | |
| K.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| K.2 | **First Floor** | | | |
| K.2.2 | Socket 1 gang 13 Amps | No. | 2 | |
| K.2.4 | Socket 2 gang 16 Amps | No. | 2 | |
| | | | | |
| **(II)** | **On Blockwall** | | | |
| | | | | |
| K.3 | **Ground Floor** | | | |
| K.3.1 | Switched Socket 1 gang 13 Amps | No. | 7 | |
| K.3.2 | Socket 1 gang 13 Amps | No. | 3 | |
| K.3.3 | Socket 2 gang 13 Amps | No. | 11 | |
| K.3.4 | Socket 1 gang 16 Amps | No. | 6 | |
| K.3.5 | Socket 2 gang 16 Amps | No. | 3 | |
| K.3.6 | Socket RJ45 Cat 6a, 1 gang | No. | 4 | |
| | | | | |
| K.4 | **First Floor** | | | |
| K.4.1 | Switched Socket 1 gang 13 Amps | No. | 8 | |
| K.4.2 | Socket 1 gang 13 Amps | No. | 2 | |
| K.4.3 | Socket 2 gang 13 Amps | No. | 5 | |
| K.4.4 | Socket 1 gang 16 Amps | No. | 3 | |
| K.4.6 | Socket RJ45 Cat 6a, 1 gang | No. | 5 | |
| | | | | |
| K.5 | **Roof** | | | |
| K.5.1 | Universal Socket(Waterproof Type IP66) | No. | 1 | |
| | | | | |
| **(III)** | **On Trunking** | | | |
| | | | | |
| K.6 | **Ground Floor** | | | |
| K.6.1 | Socket 1 gang 13 Amps | No. | 16 | |
| K.6.2 | Socket 1 gang 16 Amps | No. | 24 | |
| K.6.3 | Socket RJ45 Cat 6a, 1 gang | No. | 16 | |
| | | | | |
| K.7 | **First Floor** | | | |
| K.7.1 | Socket 1 gang 13 Amps | No. | 20 | |
| K.7.2 | Socket 1 gang 16 Amps | No. | 20 | |
| K.7.3 | Socket RJ45 Cat 6a, 1 gang | No. | 20 | |
| | | | | |
| **(IV)** | **Above False Ceiling** | | | |
| | | | | |
| K.8 | **Ground Floor** | | | |
| K.8.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 5 | |
| K.8.2 | Switched Socket 1 gang 13 Amps for extractor wall fan | No. | 1 | |
| K.8.3 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| K.8.4 | Socket 2 gang 13 Amps & 16 Amps for WIFI Access point | No. | 2 | |
| K.8.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| K.8.6 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 3 | |
| K.8.7 | Switched Socket 1 gang 13 Amps for Air Curtain | No. | 2 | |
| | | | | |
| K.9 | **First Floor** | | | |
| K.9.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 6 | |
| K.9.4 | Socket 2 gang 13 Amps & 16 Amps for WIFI Access point | No. | 2 | |
| K.9.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| | | | | |
| **L.** | **LUMINAIRES** | | | |
| | | | | |
| **L.1** | **Basement** | | | |
| L.1.1 | Type 7 | No. | 12 | |
| | | | | |
| **L.2** | **Ground Floor** | | | |
| L.2.1 | Type 1 | No. | 16 | |
| L.2.2 | Type 2 | No. | 4 | |
| L.2.3 | Type 3(a) | No. | 18 | |
| L.2.4 | Type 4 | No. | 8 | |
| L.2.5 | Type EM-1 | No. | 4 | |
| L.2.6 | Type EM-2 | No. | 3 | |
| L.2.9 | Type EM-5 | No. | 1 | |
| | | | | |
| **L.3** | **First Floor** | | | |
| L.3.1 | Type 1 | No. | 13 | |
| L.3.2 | Type 2 | No. | 2 | |
| L.3.3 | Type 3(a) | No. | 18 | |
| L.3.4 | Type 4 | No. | 10 | |
| L.3.5 | Type EM-1 | No. | 4 | |
| L.3.6 | Type EM-2 | No. | 3 | |
| L.3.7 | Type EM-3 | No. | 1 | |
| | | | | |
| **L.4** | **Roof** | | | |
| L.4.1 | Type 6 | No. | 7 | |
| | | | | |
| **L.5** | **External Lighting** | | | |
| L.5.1 | Type 5 | No. | 3 | |
| L.5.2 | Type 8 | No. | 4 | |
| L.5.3 | Type 9 | No. | 5 | |
| | | | | |
| **M.** | **UPS** | | | |
| | | | | |
| M.1 | 6 kVA UPS | No. | 1 | |
| | | | | |

# SBM TAMARIN/RIV NOIRE

## Electrical Installations

| Sr. No | Description | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **B.** | **SURGE PROTECTION** | | | |
| B.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, UpVoltage | No. | 1 | |
| | Protection Level 1.0KV and complete with in built fuse & enclosure. | | | |
| | | | | |
| **C.** | **EARTHING** | | | |
| C.1 | UL listed copper bonded earth rods 3.0mL x 16mm dia for each of the | | | |
| | following :- | | | |
| C.1.1 | Main Earthing for MDB | Lot | 1 | |
| | Terminate at a main earth bar in technical room using bare copper cable | | | |
| | 16mm². | | | |
| C.1.2 | Main Earthing for Generator Neutral | Lot | 1 | |
| | Terminate at an earth bar in generator room using bare copper cable | | | |
| | 6mm². | | | |
| C.2 | **Earth Cables** | | | |
| C.2.1 | Copper cable 16 mm2 from main earth bar in technical room for MDB. | Lot | 1 | |
| C.2.2 | Copper cable 6 mm2 from generator frame to main earth bar in electrical | Lot | 1 | |
| | room. | | | |
| C.3 | Bonding of cable trays, fire-fighting pipes with proprietary clamps, to the | Lot | 1 | |
| | nearest earth system, using PVC insulated 6mm2 earth cable. | | | |
| C.4 | Transient earth clamps between earth stations. | Lot | 1 | |
| C.5 | Engraved identification plates at all earth terminals. | Lot | 1 | |
| | | | | |
| **D.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| D.1 | DB Changeover | No. | 1 | |
| D.2 | MDB MEZZ | No. | 1 | |
| D.3 | SDB GF | No. | 1 | |
| D.4 | DB UPS IN | No. | 1 | |
| D.5 | DB UPS OUT | No. | 1 | |
| D.6 | DB UPS MEZZ | No. | 1 | |
| D.7 | SDB UPS GF | No. | 1 | |
| | | | | |
| **G.** | **CONDUITS & WIRING** | | | |
| G.1 | **GF & FF** | | | |
| G.1.1 | Light point | No. | 206 | |
| G.1.2 | Switch point | No. | 21 | |
| G.1.3 | PIR detector point | No. | 15 | |
| G.1.4 | Socket point | No. | 115 | |
| G.1.5 | Split AC unit point | No. | 1 | |
| G.1.6 | VRF Indoor AC unit point | No. | 15 | |
| G.1.7 | Hand Dryer point | No. | 2 | |
| G.1.8 | Fan point | | | |
| | | | | |
| **H.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| **(I)** | **Recessed Installation** | | | |
| H.1.1 | Switch 1 gang 1 way, 10A | No. | 17 | |
| H.1.2 | Switch 1 gang 2 way, 10A | No. | 8 | |
| H.1.3 | PIR Presence Detector | No. | 12 | |
| | | | | |
| (i) | Hand Dryer | No. | 2 | |
| | | | | |
| **J.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| **(I)** | **On Partition** | | | |
| J.1.1 | Switched Socket 1 gang 13 Amps | No. | 10 | |
| J.1.3 | Socket RJ45 Cat 6a, 1 gang | No. | 11 | |
| J.1.4 | Universal Socket | No. | 3 | |
| **(II)** | **On Blockwall** | | | |
| J.2.1 | Switched Socket 1 gang 13 Amps | No. | 17 | |
| J.2.2 | Socket 2 gang 13 Amps | No. | 1 | |
| J.2.4 | Socket 2 gang 13/16 Amps | No. | 3 | |
| J.2.5 | Socket RJ45 Cat 6a, 1 gang | No. | 19 | |
| J.2.6 | Universal Socket | No. | 1 | |
| | | | | |
| **(III)** | **On Trunking** | | | |
| J.4.1 | Socket 1 gang 13 Amps | No. | 18 | |
| J.4.2 | Socket 1 gang 16 Amps | No. | 18 | |
| J.4.3 | Socket RJ45 Cat 6a, 1 gang | No. | 14 | |
| | | | | |
| **(V)** | **Above False Ceiling** | | | |
| J.5 | **Ground Floor** | | | |
| J.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 16 | |
| J.5.3 | Switched Socket 1 gang 13 Amps for extractor fan | No. | 1 | |
| J.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| J.5.5 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 4 | |
| J.5.6 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 4 | |
| J.5.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 4 | |
| | | | | |
| **K.** | **LUMINAIRES** | | | |
| K.1 | **Ground Floor** | | | |
| K.1.1 | Type 1 | No. | 55 | |
| K.1.2 | Type 2 | No. | 16 | |
| K.1.3 | Type 3 (a) | No. | 101 | |
| K.1.4 | Type 4 | No. | 6 | |
| K.1.5 | Type EM-1 | No. | 10 | |
| K.1.6 | Type EM-2 | No. | 12 | |
| K.1.7 | Type EM-3 | No. | 6 | |
| K.1.8 | Type EM-4 | No. | 2 | |
| | | | | |
| | | | | |
| **L.** | **UPS** | | | |
| L.1 | 6 kVA UPS (single phase in, single phase out). | Lot | 1 | |
| | **SOCKETS FOR ADDITIONALTABLES AT MEZZANINE** | | | |
| 2 | 16A socket | No. | 4 | |
| 3 | 13A socket | No. | 4 | |
| | **Fire Alarm Installations** | | | |
| **A.** | **FIRE ALARM PANEL** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | No. | 1 | |
| | supply, 72 hr battery backup, on board printer,etc… | | | |
| | | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Field Devices and accessories | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 11 | |
| B.1.2 | Heat Detector | No. | 1 | |
| B.1.3 | Manual call point | No. | 2 | |
| B.1.4 | Electronic Sounder | No. | 2 | |
| B.2 | **Mez Floor** | | | |
| B.2.1 | Smoke detector | No. | 12 | |
| B.2.2 | Heat Detector | No. | 0 | |
| B.2.3 | Manual call point | No. | 2 | |
| B.2.4 | Electronic Sounder | No. | 2 | |
| | | | | |
| | **AC & Ventilation Installations** | | | |
| **A.** | **TRANSFER GRILLE AT VAULT** | | | |
| A.1 | 2 Nos Aluminium transfer grille | Lot | 1 | |
| | | | | |
| **B.** | **TOILET EXTRACTION** | | | |
| B.1 | Inline extract Fan | | | |
| B.3 | Circular G/S ducts (Spiral Type) | | | |
| | (i) 100mm | m | 20 | |
| | (ii) 160mm | m | 25 | |
| B.4 | Ducts fittings wyes, tees, reducer sections, elbows & transition for | Lot | 1 | |
| | circular g/s ducts (All Dimensions) including accessories | | | |
| B.5 | Mupro type Supports, saddles and hangers at ceiling for complete | Lot | 1 | |
| | support of whole duct | | | |
| B.6 | Disc valve, circular type with adjustable centre cone fixed to false | No. | 8 | |
| | ceiling, complete with flexible, capacity per disc valve @ 80m³/h, | | | |
| | Ø100 mm diffuser (Similar to Aldes SR 149) | | | |
| B.7 | Flexible ducting, aluminium on steel helix at disc valves, Φ100mm | m | 8 | |
| B.8 | Circular External Grille in plain anodized aluminium, with insect net | | | |
| (i) | Dia 200mm | No. | 1 | |
| | | | | |
| **C.** | **VRF INDOOR UNITS AND ACCESSORIES** | | | |
| C.1 | **VRV air conditioning unit:** | | | |
| C.1.2 | 4 way cassette 3.6kW | No. | 9 | |
| C.1.3 | 1 way cassette 3.6kW | No. | 2 | |
| C.1.4 | 4 way cassette 7.1kW | No. | 3 | |
| | | | | |
| **D.** | **VRF OUTDOOR UNITS AND ACCESSORIES** | | | |
| | Multi V5 Pro Outdoor unit | | | |
| D.1 | 69.3kW | No. | 1 | |
| | | | | |
| **H.** | **CONDENSATE DRAIN PIPING AND ACCESSORIES** | | | |
| H.1 | uPVC pipe PN6, solvent welded joints and fittings c/w reduction | | | |
| | sections, elbows, tees etc. (Complete installations) c/w with 9mm | | | |
| | armaflex insulation | | | |
| H.1.1 | (25 mm) from each indoor unit | m | 50 | |
| H.1.2 | (40 mm) from collection of indoor units | m | 35 | |
| | | | | |
| **I.** | **SPLIT AC DC INVERTER TYPE AT SERVER / ATM ROOMS** | | | |
| I.1 | Wall mounted DC inverter type split air conditioning system | | | |
| I.1.2 | 5.6 kW | No. | 1 | |
| I.2 | All interconnecting refrigerant piping | Lot | 1 | |
| I.3 | Condensate uPVC drain pipe 25 mm, slope 1% and accessories | Lot | 1 | |
| I.4 | All 3 core x 2.5 mm² flexible cabling between indoor and outdoor | m | 25 | |
| | units | | | |
| I.5 | PVC trunking /G/s Tray for routing of refrigerant pipings and | Lot | 1 | |
| I.6 | Hot dipped G/S supports, hangers, rawl bolts, cable trays, | Lot | 2 | |
| | thick rubber vibration isolators (all similar to MUPRO) for holding | | | |
| | all indoor and outdoor units and pipings. | | | |
| | | | | |
| | **Plumbing & Fire-Fighting Installations** | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 5 | |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 2 | |
| B.5 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | | | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | Lot | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | | |
| B.6 | Saddles, hangers and all other holding accessories to pipes | | | |
| B.8 | Chrome plated angle valve ½"connection (High Quality) | No. | 9 | |
| B.09 | Chome plated double angle valve 1/2" connection | No | 6 | |
| B.9 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 16 | |
| | | | | |
| **E.** | **WASTE AND SEWER** | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| E.1.2 | 50mm (Sink & floor drain discharge) | m | 25 | |
| E.1.4 | 110mm PN6 | m | 25 | |
| E.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | | | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | Lot | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for | | | |
| | COMPLETE INSTALLATION of sewer and waste pipes | Lot | | |
| E.4 | P traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.6 | PVC Vent cowl | | | |
| E.6.1 | Dia 110mm on sewer pipe | No. | 1 | |
| E.6.2 | Dia 75mm on main waste pipe | No. | 1 | |
| E.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 2 | |
| | approval) | | | |
| | | | | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| F.1.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 4 | |
| | washer | | | |
| F.1.2 | WHB, c/w tap,, flexible pipes | No. | 4 | |
| F.1.3 | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| F.1.4 | Mop sink at Janitor, c/w tap, flexible pipes | No. | 2 | |
| F.1.5 | Bib Tap with SS Handle (Supply and Fix) (1/2") (External) | No. | 1 | |
| | | | | |
| **G.** | **FIRE EXTINGUISHERS** | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |
| | **Plumbing & Fire-Fighting Installations** | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 5 | |
| B.3 | Quarter turn valve in DR Brass,for 25/20 pipe at mains tapoff | No. | 2 | |
| B.5 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | | | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | Lot | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | | |
| B.6 | Saddles, hangers and all other holding accessories to pipes | | | |
| B.8 | Chrome plated angle valve ½"connection (High Quality) | No. | 9 | |
| B.09 | Chome plated double angle valve 1/2" connection | No | 6 | |
| B.9 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 16 | |
| | | | | |
| **E.** | **WASTE AND SEWER** | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| E.1.2 | 50mm (Sink & floor drain discharge) | m | 25 | |
| E.1.4 | 110mm PN6 | m | 25 | |
| E.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, | | | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | Lot | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for | | | |
| | COMPLETE INSTALLATION of sewer and waste pipes | Lot | | |
| E.4 | P traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.6 | PVC Vent cowl | | | |
| E.6.1 | Dia 110mm on sewer pipe | No. | 1 | |
| E.6.2 | Dia 75mm on main waste pipe | No. | 1 | |
| E.7 | Floor Traps 100 x 100 PVC with SS cover (high quality to Arch | No. | 2 | |
| | approval) | | | |
| | | | | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| F.1.1 | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 4 | |
| | washer | | | |
| F.1.2 | WHB, c/w tap,, flexible pipes | No. | 4 | |
| F.1.3 | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| F.1.4 | Mop sink at Janitor, c/w tap, flexible pipes | No. | 2 | |
| F.1.5 | Bib Tap with SS Handle (Supply and Fix) (1/2") (External) | No. | 1 | |
| | | | | |
| **G.** | **FIRE EXTINGUISHERS** | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |
| | | | | |

| | | | | |
|---|---|---|---|---|
| | **SBM Tribeca Branch** | | | |
| | **Electrical Installations** | | | |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | **REMARKS** |
| | All parts of the installation shall conform in all respects to BS 7671: 2018 - | | | |
| | IEE Wiring Regulations - Eighteenth Edition published by the British | | | |
| | Standards Institution. This document shall serve as a reference throughout | | | |
| | to determine acceptability of materials, techniques and workmanship. | | | |
| | | | | |
| **A.** | **EARTHING - Inspection and Testing of the Earthing system** | | | |
| | | | | |
| A.1 | Main Earthing for Communication Equipment | | | |
| | | | | |
| | | | | |
| **B.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, contactors, cabling | | | |
| | accessories, distribution blocks, outgoing terminals, busbars and engraved labels. All DBs | | | |
| | are as per schematic drawings and specifications and include 30% spare capacity. | | | |
| | | | | |
| B.1 | MDB | No. | 1 | |
| B.2 | DB UPS IN | No. | 1 | |
| B.3 | DB UPS OUT | No. | 1 | |
| B.4 | SDB UPS | No. | 1 | |
| | | | | |
| **D.** | **CONDUITS & WIRING** | | | |
| | | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | | | | |
| | **Wiring to be as follows:** | | | |
| (a) | **3C x 1.5mm$^2$ PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm$^2$ PVC/PVC Cu cable for sockets, USB sockets &** | | | |
| | **hand dryer points** | | | |
| (C) | **3C x 2.5mm$^2$ PVC/SWA/PVC Cu cable for external light points.** | | | |
| | | | | |
| D.1 | Light point | No. | 34 | |
| D.2 | Switch point | No. | 10 | |
| D.3 | PIR detector point | No. | 1 | |
| D.4 | Socket point | No. | 50 | |
| D.5 | Split AC unit point | No. | 3 | |
| D.6 | VRF Indoor AC unit point | No. | 2 | |
| | | | | |
| D.8 | **External** | | | |
| D.8.1 | Light point | No. | 2 | |
| | | | | |
| **E.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | | | | |
| | Electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required for | | | |
| | recessed/surface mounting where applicable. | | | |
| E.1 | **Recessed Installation** | | | |
| | | | | |
| E.1.1 | Switch 1 gang 1 way, 10A | No. | 10 | |
| E.1.2 | PIR Presence Detector | No. | 1 | |
| | | | | |
| **G.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS & PARTITIONS** | | | |
| | | | | |
| | Allow for suitable accessories (clip-on support, frames, etc.) for mounting | | | |
| | power sockers onto trunkings, blockwall & partition. | | | |
| | | | | |
| **(I)** | **On Partition** | | | |
| | | | | |
| G.1 | Switched Socket 1 gang 13 Amps | No. | 6 | |
| G.2 | Socket RJ45 Cat 6a, 1 gang | No. | 4 | |
| G.3 | Universal Socket | No. | 1 | |
| | | | | |
| **(II)** | **On Blockwall** | | | |
| | | | | |
| G.4 | Switched Socket 1 gang 13 Amps | No. | 20 | |
| G.5 | Socket 2 gang 13 Amps | No. | 5 | |
| G.6 | Socket 2 gang 16 Amps | No. | 3 | |
| G.7 | Socket 2 gang 13/16 Amps | No. | 1 | |
| G.8 | Socket RJ45 Cat 6a, 1 gang | No. | 6 | |
| G.9 | Universal Socket | No. | 1 | |
| G.10 | Floor Socket-double | No. | 2 | |
| | | | | |
| **(III)** | **On Trunking** | | | |
| | | | | |
| G.11 | Socket 1 gang 13 Amps | No. | 12 | |
| G.12 | Socket 1 gang 16 Amps | No. | 12 | |
| G.13 | Socket RJ45 Cat 6a, 1 gang | No. | 44 | |
| | | | | |
| **(V)** | **Above False Ceiling** | | | |
| | | | | |
| G.14 | Double pole switch 20 Amps with LED indicator for AC | No. | 2 | |
| G.15 | Socket 2 gang 13/16 Amps for WIFI Access point | No. | 2 | |
| G.16 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 2 | |
| G.17 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| G.18 | Switched Socket 1 gang 13 Amps for Motorised Awning | No. | 1 | |
| | | | | |
| **H.** | **LUMINAIRES** | | | |
| | | | | |
| | Supply, install, test & commission the luminaires. | | | |
| H.1 | Type 1 - Recessed LED Panel | No. | 2 | |
| H.2 | Type 1(a) - Surface LED Panel | No. | 3 | |
| H.3 | Type 3 - Recessed LED Downlight | No. | 21 | |
| H.4 | Type 4 - Linear Pendant Light | No. | 1 | |
| H.5 | Type 6 - Recessed LED Strip Light in floor | Lot | 1 | |
| H.6 | Type 7 - Cove Light | Lot | 1 | |
| H.7 | Type EM-1 | No. | 2 | |
| H.8 | Type EM-2 | No. | 4 | |
| I.1 | Type 2 - Circular Pendant Light | No. | 2 | |
| I.2 | Type 5 - Recessed Magnetic Track Light | No. | 5 | |
| | | | | |
| **J.** | **UPS** | | | |
| J.1 | Double online conversion 6 kVA UPS (single phase in, single phase out). Allow for all | Lot | 1 | |
| | necessary interconnecting cables. | | | |
| | **Fire Alarm Installations** | | | |
| **A.** | **FIRE ALARM PANEL** | | | |
| | | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power | | | |
| | supply, 72 hr battery backup, on board printer,etc… | | | |
| | | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting bases. | | | |
| | | | | |
| B.1 | **Ground Floor** | | | |
| B.1.1 | Smoke detector | No. | 5 | |
| B.1.2 | Heat Detector | No. | 1 | |
| B.1.3 | Manual call point | No. | 1 | |
| B.1.4 | Electronic Sounder | No. | 1 | |
| | | | | |
| **C.** | **LIAISON WITH FIRE SERVICES - Only during the application of fire certificate** | | | |
| | | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |
| | | | | |
| | **AC & Ventilation Installations** | | | |
| **I.** | **SPLIT AC DC INVERTER TYPE AT SERVER / ATM ROOMS** | | | |
| | | | | |
| | Note: A 2P, 20A DP Switch will be provided near indoor unit unit by | | | |
| | the electrical contractor. All interconnection between the indoor and | | | |
| | outdoor units shall be in the scope of the air conditioning contractor. | | | |
| | | | | |
| I.1 | Wall mounted DC inverter type split air conditioning system | | | |
| | c/w indoor and and outdoor units R410a refrigerant, 3 fan speed, | | | |
| | silent type, wireless remote control. Outdoor unit to have G/S | | | |
| | casing, black epoxy painted condenser fins. | | | |
| | Single Phase: 230 V 50Hz | | | |
| I.1.1 | 3.5 kW | No. | 2 | |
| I.1.2 | The remaiming units have been installed by the mall and under a separate maintenance | | | |
| | agreement.However, monthly filter cleaning is required | No. | 5 | |
| | **Plumbing & Fire-Fighting Installations** | | | |
| **A.** | **COLD WATER SUPPLY** | | | |
| | | | | |
| | | | | |
| A.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| A.1.2 | Ø20/15mm | m | 2 | |
| | | | | |
| A.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 1 | |
| | | | | |
| A.3 | uPVC pressure fittings, rated to PN16. Solvent welded. Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc | | | |
| | | | | |
| | | | | |
| A.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| | | | | |
| | | | | |
| A.5 | Chrome plated angle valve ½"connection (High Quality) | No. | 1 | |
| | (WC/WHB/SINK/provision for water dispenser and janitor) | | | |
| | | | | |
| A.6 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 2 | |
| | | | | |
| **B.** | **WASTE AND SEWER** | | | |
| | | | | |
| | Inspection and cleaning | | | |
| | | | | |
| B.1 | 50mm PN10 (Sink discharge) | m | 2 | |
| | | | | |
| B.2 | uPVC fittings, rated to PN6 and PN8. Solvent welded. Reducers, Tees, Elbows, | Lot | 1 | |
| | Y-Tees, Rodding Eyes, etc. | | | |
| | | | | |
| B.3 | Supports, saddles, screws, rawl bolts and all sundries for sewer and waste pipes | Lot | 1 | |
| | | | | |
| B.4 | P traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 1 | |
| | | | | |
| **C.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| | | | | |
| C.2 | Kitchen sink, c/w tap, flexible pipes | No. | 1 | |
| C.3 | Tap with SS Handle | No. | 1 | |
| C.4 | Bottle traps | No. | 1 | |
| | | | | |
| **D.** | **FIRE EXTINGUISHERS - 6 monthly servicing and issue of fire certificate** | | | |
| | Bottle type fire extinguishers, similar to S.R.I | | | |
| | model: | | | |
| D.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 1 | |
| D.2 | 4.0 kg ABC Dry chemical powder type | No. | 1 | |

**SBM VACOAS BRANCH**

**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| | All parts of the installation shall conform in all respects to BS 7671: | | | |
| | 2018 - IEE Wiring Regulations - Eighteenth Edition published by the | | | |
| | British Standards Institution. This document shall serve as a reference | | | |
| | throughout the duration of the agreement. | | | |
| **A.** | **SURGE PROTECTION** | | | |
| A.1 | Surge Protection Device 'SPD' with surge rating Imax = 100 KA, | No. | 1 | |
| | Up Voltage Protection Level 1.0KV and complete with in built fuse & | | | |
| | enclosure. | | | |
| **B.** | **EARTHING** | | | |
| B.1 | Inspection and testing of the existing earthing system. | Lot | 1 | |
| **C.** | **ELECTRICAL DISTRIBUTION BOARD** | | | |
| | Wall-mounted distribution boards c/w main isolator, switchgears, | | | |
| | contactors, cabling accessories, distribution blocks, outgoing | | | |
| | terminals, busbars and engraved labels. All DBs are as per on site | | | |
| | schematic drawings and specifications and include 30% spare | | | |
| | capacity. | | | |
| C.1 | ML/VP | No. | 1 | |
| C.2 | DB GF | No. | 1 | |
| C.3 | DB UPS IN | No. | 1 | |
| C.4 | DB UPS OUT | No. | 1 | |
| C.5 | SDB UPS 1 | No. | 1 | |
| C.6 | DB AC | No. | 1 | |
| C.7 | DB Pump | No. | 1 | |
| C.8 | DB Basement | No. | 1 | |
| C.9 | Enclosure for Incoming CEB Breaker and Isolator | | | |
| | MCCB complete with waterproof enclosure (IP55). | | | |
| C.9.1 | Isolator 4P 32A (For VRV Outdoor Unit) | No. | 2 | |
| C.9.2 | Isolator 4P 20A (For basement extraction system) | No. | 1 | |
| **F.** | **CONDUITS & WIRING** | | | |
| | (a) conduits and proprietary boxes for concealed or surface | | | |
| | (b) wires to connect terminal points below and to | | | |
| | their respective electrical panels. | | | |
| | **Wiring as follows:** | | | |
| (a) | **3C x 1.5mm² PVC/PVC Cu cable for lighting.** | | | |
| (b) | **3C x 2.5mm2 PVC/PVC Cu cable for sockets, USB sockets** | | | |
| | **& hand dryer points** | | | |
| F.1 | Light point | No. | 263 | |
| F.2 | Switch point | No. | 36 | |
| F.3 | PIR detector point | No. | 18 | |
| F.4 | Socket point | No. | 173 | |
| F.5 | USB socket point | No. | 3 | |
| F.6 | Split AC unit point | No. | 4 | |
| F.7 | VRV AC Indoor Unit point | No. | 28 | |
| F.8 | Fan point | No. | 3 | |
| F.9 | Hand Dryer point | No. | 2 | |
| F.10 | HDMI Cabling | | | |
| F.10.1 | HDMI cabling from TV Screen in meeting rooms to meeting | No. | 1 | |
| | table. | | | |
| **G.** | **WIRING EQUIPMENT AND ACCESSORIES** | | | |
| | Electrical accessories, proprietary back boxes, clip- on | | | |
| | brackets, support frames, cover plates and other accessories required | | | |
| | for recessed/surface mounting where applicable. | | | |
| | Recessed Installation | | | |
| G.1 | Switch 1 gang 1 way, 10A | No. | 7 | |
| G.2 | Switch 1 gang 2 way, 10A | No. | 1 | |
| G.3 | Switch 2 gang 1 way | No. | 3 | |
| G.4 | Switch 2 gang consisting of 1 No. 1 way and 1 universal push button dimmer | No. | 1 | |
| G.5 | Switch Panel. | | | |
| G.5.1 | Reinforced polyester enclosure with lock/key and 24 Nos | Lot | 1 | |
| | switches 1 gang 1 way with corresponding indicator lights. | | | |
| G.5.2 | Switch 1 gang, 1 way, 10 Amps | No. | 23 | |
| G.6 | Hand Dryer | No. | 2 | |
| **I.** | **SOCKETS ONTO TRUNKINGS, BLOCKWALLS &** | | | |
| | **PARTITIONS** | | | |
| | Accessories (clip-on support, frames, etc.) for | | | |
| | mounting power sockers onto trunkings, blockwall & partition. | | | |
| I.1. | On Partition | | | |
| I.1.1 | Switched Socket 1 gang 13 Amps | No. | 9 | |
| I.1.2 | Socket RJ45 Cat 6a, 1 gang | No. | 1 | |
| I.1.3 | Socket 2 gang 13 Amps | No. | 6 | |
| I.1.4 | Socket 2 gang 16 Amps | No. | 1 | |
| I.2 | On Blockwall | | | |
| I.2.1 | Switched Socket 1 gang 13 Amps | No. | 4 | |
| I.2.2 | Socket RJ45 Cat 6a, 1 gang | No. | 2 | |
| I.2.3 | Socket 2 gang 13 Amps | No. | 2 | |
| I.2.4 | Socket 2 gang 16 Amps | No. | 2 | |
| I.2.5 | Socket 2 gang 13 Amps & RJ45 Cat 6a | No. | 5 | |
| I.3 | On Trunking | | | |
| I.3.1 | Switched Socket 1 gang 13 Amps | No. | 69 | |
| I.3.2 | Socket 1 gang 16 Amps | No. | 54 | |
| I.3.3 | Socket RJ45 Cat 6a, 1 gang | No. | 57 | |
| I.3.4 | USB Socket | No. | 3 | |
| I.5 | Above False Ceiling | | | |
| I.5.1 | Double pole switch 20 Amps with LED indicator for AC | No. | 32 | |
| I.5.4 | Switched Socket 1 gang 13 Amps for automatic sliding door | No. | 1 | |
| I.5.5 | Socket RJ45, Cat 6a, 1 gang for WIFI Access Point | No. | 4 | |
| I.5.6 | Switched Socket 1 gang 13 Amps for access control | No. | 8 | |
| I.5.7 | Switched Socket 1 gang 13 Amps for Roller Shutter | No. | 1 | |
| **J.** | **LUMINAIRES** | | | |
| | **Supply, install, test & commission the luminaires.** | | | |
| J.1 | Type 1 | No. | 79 | |
| J.2 | Type 2 | No. | 2 | |
| J.3 | Type 3 | No. | 139 | |
| J.4 | Type 4 | No. | 22 | |
| J.5 | Type EM-1 | No. | 9 | |
| J.6 | Type EM-2 | No. | 12 | |
| J.7 | Type 3b - refer to asmade drawings | No. | 6 | |
| J.8 | Type 6 - refer to as-made | No. | 3 | |
| J.9 | Type 8-refer to as-made | No. | 6 | |
| **K.** | **UPS** | | | |
| K.1 | UPS rated 20 kVA (Three phase in, Three phase out) | Lot | 1 | |
| | **ADDITIONAL ELECTRICAL INSTALLATIONS** | | | |
| **1** | **Electrical installations for Basement Parking** | | | |
| 1.1 | switch 2g2w | No. | 2 | |
| 1.2 | switch 1g2w | No. | 2 | |
| 1.3 | LED tube 4 ft - Dietal City Eco 19W 4FT 8402300 | No. | 22 | |
| **2** | **External Lighting** | | | |
| 2.1 | floodlight - Philips ref. BUP161LED26/cw30w | m | 3 | |
| 2.2 | bulkhead - Dietal Hubli -260mm Dia | No. | 11 | |
| 2.3 | G/S Square Frame for Dietal Hubli | No. | 11 | |
| 2.4 | Spike Spot light - Fumagalli Tommy | No. | 4 | |
| 2.5 | Spot light - Fumagalli Tommy | No. | 4 | |
| **3** | **Cleaning Sockets** | | | |
| 3.1 | Switchgears_ MCB 1P+N 20A (2 nos.) for cleaning socket | Lot | 1 | |
| 3.2 | Multistandard Socket - Legrand Arteor for cleaning socket | No. | 2 | |
| **4** | **Power point for Air Curtain & Awning** | | | |
| 4.1 | Switchgears_ RCD 2P40A-30mA (3 nos.) | Lot | 1 | |
| 4.3 | Switched socket 1 gang 13A for air curtain and awning | No. | 3 | |

**FIRE ALARM INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **FIRE ALARM PANEL - Inspect and report any faults to third party** | | | |
| | **contractor** | | | |
| A.1 | 2-loop addressable type fire alarm panel c/w associated power supply, | No. | 1 | |
| | 72 hr battery backup, on board printer,etc... | | | |
| **B.** | **WIREWAYS, WIRING & ACCESSORIES** | | | |
| | Allow for: | | | |
| | (i) all wireways complete with proprietary accessories. | | | |
| | (ii) 2.5 mm² fire retardant cables to connect the following field | | | |
| | devices to the corresponding loop/zone. | | | |
| | (iii) fire alarm accessories complete with proprietary mounting | | | |
| | bases. | | | |
| B.1 | Smoke detector | No. | 23 | |
| B.2 | Heat Detector | No. | 1 | |
| B.3 | Manual call point | No. | 2 | |
| B.4 | Electronic Sounder | No. | 2 | |
| **C.** | **LIAISON WITH FIRE SERVICES-Only during application of fire** | | | |
| C.1 | Providing all necessary attendance to the Fire services during | Lot | 1 | |
| | their inspection/visits on site. | | | |

**HVAC Installations**

| ITEM | Description | Unit | Qty | Remarks |
|---|---|---|---|---|
| **2.1 Roof** | | | | |
| **Variable refrigerant volume - GMV Outdoor Units** | | | | |
| 2.1.1 | GMV-400WMB-X | No | 1 | Roof |
| 2.1.2 | GMV-615WMB-X | No | 1 | Roof |
| **2.2 Ground Floor** | | | | |
| **GMV Indoor Units** | | | | |
| 2.2.1 | GMV-ND36T/B-T | No | 1 | Acceuil No.2 |
| 2.2.2 | GMV-ND36T/B-T | No | 1 | Banking Hall |
| 2.2.3 | GMV-ND45T/B-T | No | 1 | SME |
| 2.2.4 | GMV-ND45T/B-T | No | 1 | SME |
| 2.2.5 | GMV-ND45T/B-T | No | 1 | Loan Officers |
| 2.2.6 | GMV-ND45T/B-T | No | 1 | Waiting Area |
| 2.2.7 | GMV-ND45T/B-T | No | 1 | Privilege Banking 1 |
| 2.2.8 | GMV-ND45T/B-T | No | 1 | Desk/Notice Board |
| 2.2.9 | GMV-ND45T/B-T | No | 1 | I.S |
| 2.2.10 | GMV-ND45T/B-T | No | 1 | Desk/Notice Board |
| 2.2.11 | GMV-ND45T/B-T | No | 1 | Tellers |
| 2.2.12 | GMV-ND45T/B-T | No | 1 | Tellers |
| 2.2.13 | GMV-ND45T/B-T | No | 1 | SME |
| 2.2.14 | GMV-ND45T/B-T | No | 1 | Meeting Room |
| 2.2.15 | GMV-ND36T/B-T | No | 1 | Meeting Room |
| 2.2.16 | GMV-ND56T/B-T | No | 1 | Messroom/Kitchen |
| 2.2.17 | GMV-ND36T/B-T | No | 1 | Acceuil No.1 |
| 2.2.18 | GMV-ND36T/B-T | No | 1 | Engagement Area |
| 2.2.19 | GMV-ND45T/B-T | No | 1 | Waiting Area |
| 2.2.20 | GMV-ND45T/B-T | No | 1 | Privilege Banking 2 |
| 2.2.20 | GMV-ND22T/B-T | No | 1 | Meeting Room |
| 2.2.20 | GMV-ND36T/B-T | No | 1 | CSR |
| 2.2.20 | GMV-ND22T/B-T | No | 1 | CSR |
| 2.2.20 | GMV-ND36T/B-T | No | 1 | CSR |
| 2.2.20 | GMV-ND22T/B-T | No | 1 | CSR |
| 2.2.26 | GMV-ND22T/B-T | No | 1 | H.V.C Teller |
| 2.2.27 | GMV-ND45T/B-T | No | 1 | Messenger |
| 2.2.28 | GMV-ND22T/B-T | No | 1 | PB Support |
| **SPLIT AC Units** | | | | |
| 2.2.29 | Wall | No | 1 | IT Server Room |
| 2.2.30 | Ceiling | No | 1 | ATM Entrance |
| 2.2.31 | Ceiling | No | 1 | ATM Back |
| **Fresh Air Fan / Extractor Fan** | | | | |
| 2.2.32 | Fresh Air X Silent 315 | No | 1 | |
| 2.2.33 | Fresh Air X Silent 160 | No | 1 | |
| 2.2.34 | Extractor Fan DECO 100 | No | 1 | Washrooms |
| **3** | **Supply & Installation of Air Curtain** | | | |
| 3.1 | FM 3509- L/VSS- 3 feet air curtain - ATM entrance | No. | 1 | |
| 3.2 | FM 3512- L/VSS- 4 feet air curtain - Main entrance | No. | 2 | |

**PLUMBING & FIRE-FIGHTING INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| **A.** | **EXTERNAL PLUMBING** | | | |
| A.1 | uPVC PN10 pipe | | | |
| (i) | Ø50mm (waste pipe) (from building to gully trap) | m | 4 | |
| (ii) | Ø110mm (sewer pipe) (from buildings to manholes) | m | 4 | |
| A.2 | uPVC SN8 push fit rubber ring type sewer pipes (to be laid | m | 7 | |
| | underground between sewer manholes & to septic tank) Ø160mm | | | |
| **B.** | **COLD WATER SUPPLY** | | | |
| B.1 | uPVC pressure pipe rated to PN16, solvent welded fittings | | | |
| (i) | Ø20/15mm | m | 24 | |
| (i) | Ø25/20mm | m | 5 | |
| B.2 | Quarter turn valve in DR Brass,for 20/15 pipe at mains tapoff | No. | 4 | |
| B.3 | uPVC pressure fittings, rated to PN16, Solvent welded, Reducers, | Lot | 1 | |
| | Tees, Elbows, Unions, male adaptors, female adaptors, transition | | | |
| | fittings, threaded sockets at all valves and flexible pipes, etc. | | | |
| B.4 | Saddles, hangers and all other holding accessories to pipes | Lot | 1 | |
| B.7 | Chrome plated angle valve ½"connection (High Quality) | No. | 9 | |
| | (WC/WHB/SINK) | | | |
| B.8 | Flexible pipes (150 / 200mm long) ½" connection (High Quality) | No. | 7 | |
| **D.** | **DOMESTIC WATER PUMP AND ACCESSORIES** | | | |
| D.1 | Domestic water pump set (factory assembled) pressurised type, | No | 1 | |
| | comprising of 2 VSD centrifugal pumps in parallel, pre-piped, with | | | |
| | automatic operation and constant pressure (3 bar) complete with | | | |
| | electrical control panel, with pressure vessel 50L , 4 Nos stop valves, | | | |
| | 2 Nos non-return valves, ready for connection, operating | | | |
| | sequentially and cascade (output pressure adjustable) single phase, | | | |
| | 230V, 50Hz. Fixed Speed Drive type. Minimum IE3 rated. | | | |
| | Capacity per pump = 1.5m³/h at 40m Head | | | |
| | Total capacity = 3.0m³/h at 40m Head | | | |
| **E.** | **WASTE AND SEWER** | | | |
| E.1 | uPVC pipe, solvent welded, diameter | | | |
| (i) | 40mm PN6 (WHB Discharge) | m | 3 | |
| (ii) | 50mm PN10 (Sink & floor drain discharge) | m | 20 | |
| (iv) | 110mm PN6 (Sewer) | m | 5 | |
| (v) | 50mm PN6 (venting) | m | 4 | |
| E.2 | uPVC fittings, rated to PN6 and PN8, Solvent welded, Reducers, | Lot | 1 | |
| | Tees, Elbows, Y-Tees, Rodding Eyes, etc. | | | |
| E.3 | Supports, saddles, screws, rawl bolts and all sundries for | Lot | 1 | |
| | sewer and waste pipes | | | |
| E.4 | Bottle traps (vertical inlet, horizontal outlet), 50 mm at sink | No. | 2 | |
| E.5 | Bottle traps (vertical inlet, horizontal outlet) 40mm at WHB | No. | 3 | |
| E.6 | PVC Vent cowl | No. | 1 | |
| **F.** | **PLUMBING CONNECTIONS TO SANITARY WARES** | | | |
| (i) | WC, c/w flush valve, flushing cistern mechanism, pan adaptor, jet | No. | 2 | |
| | washer | | | |
| (ii) | WHB, c/w tap, flexible pipes | No. | 3 | |
| (iii) | Kitchen sink, c/w tap, flexible pipes | No. | 2 | |
| **G.** | **FIRE EXTINGUISHERS- 6 Monthly servicing and issue of fire** | | | |
| | Bottle type fire extinguishers similar to S.R.I model. | | | |
| G.1 | 4.5 kg $CO_2$ type (similar to S.R.I model). | No. | 6 | |
| G.2 | 4.0 kg ABC Dry chemical powder type | No. | 6 | |
| **H.** | **FIRE HOSE REEL PUMP** | | | |
| H.1 | ***Booster pump set & Accessories*** | | | |
| | Booster pump (fully factory assembled) pressurised type, | Set | 1 | |
| | comprising 2 nos. centrifugal, self priming pumps in parallel, | | | |
| | pre-piped, pre-wired, complete with electrical control panel, | | | |
| | pressure vessel, 4 Nos stop valves 2 Nos non-return valves, ready | | | |
| | for connection, operating sequentially and in cascade. Rating: 3 | | | |
| | phase,400V, 50Hz | | | |
| | Capacity per pump = 4.5 m³/h at a head of 65 m. | | | |
| | **Pump operating on dedicated standby generator** | | | |
| | Pressure vessel = 100 litres (inclusive of 1 No. QT valve) | | | |
| | **HORIZONTAL TYPE PUMPS, self priming with appropriate** | | | |
| | **negative suction capabilities >3m, HIGH EFFICIENCY IE3 RATING** | | | |
| | C/W Anti-vibration isolators for pump set Pump set to be supplied | | | |
| | pre-painted in RED colour. | | | |
| H.2 | ***Level Float Switch*** | | | |
| | Low level float switch for dry running control of pump set 230V, | Lot | 1 | |
| | 50Hz, non-mercury type c/w control cabling to control panel. | | | |

| SBM SERVICE UNIT: | SBM Medcor | Other Premises | | | |
|---|---|---|---|---|---|
| **SYSTEM** | **LOCATION** | **MANUFACTURER** | **MODEL** | **DESCRIPTION** | **QTY** |
| UPS | SERVER ROOM | UPS EATON PW 9355 40 KVA | 29321 | | 3 |
| AIR COND SYSTEM | PRINTING ROOM | TOP COOL VRV CASSETE TYPE | 17021 | | 5 |
| FIRE EXTINGUISHER | PRINTING ROOM | CARBON DIOXIDE 5 KG | 51121 | | 2 |
| | | CARBON DIOXIDE 2 KG | 51421 | | 2 |
| LIGHTING SYSTEM | PRINTING ROOM | 600 X 600 RECESS | 35421 | | 34 |
| | PRINTING ROOM | EMERGENCY LIGHT | 50721 | | 11 |
| | MANAGER OFFICE | 600 X 600 RECESS | | | 2 |
| | | EMERGENCY LIGHT | | | 1 |
| | | SPOT LIGHT | | | 6 |
| | OFFICE 2 | 600 X 600 RECESS | | | 2 |
| | | EMERGENCY LIGHT | | | 1 |
| | | SPOT LIGHT | | | 6 |
| | VAULT | 4 FT FLUORESCENT TUBE | | | 3 |
| | | EMERGENCY LIGHT | | | 1 |
| | ENTRANCE | 600X 600 RECESS | | | 2 |
| | | EMERGENCY LIGHT | | | 1 |
| | KITCHEN | DOUBLE FITTING 2FT WATER PROOF TYPE | | | 1 |
| | STORE | 600X 600 RECESS | | | 2 |
| | PUMP ROOM | HUBLOT ROUND LIGHT | | | 2 |
| | ELECTRIC RISER | FLUORECENT TUBE 4 FT | | | 1 |
| | | EATON SURGE DIVERTER SPD 3200 | | | 1 |
| | | | | | |

**Asset Register**

**Offsite ATM  Port Louis Waterfront**

**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Projected | | | | 1 | |
| | Canopy | | | | 1 | |
| | Indicative sign on ATM | OK | | | | |
| | Signage on ATM | 24Hr Banking by SBM | | | 1 | |
| **Lighting system** | External light | Recess diffuser - PL econo type bulb | | | 2 | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 2 | |
| **A/C System** | Air conditioning | Trane - 24KBTU | | | 1 | Maintenance to be catered |
| **UPS** | Single phase UPS - 3KVA | Powerware | PW9120 | | 1 | |
| **Main DB** | Main breaker 63A - 2P | | | | 1 | |
| | Circuit breaker 10A - 2P | | | | 5 | Lighting system & cleaners' socket |
| | Fuse 2A | | | | 1 | |
| | Contactor 25A - 2P | | | | 1 | Ext light |
| **UPS Panel** | Circuit breaker 10A - 2P | | | | 2 | Input & Output breaker |
| | Circuit breaker 10A - 2P | | | | 2 | Socket outlets |
| | Circuit breaker 10A - 2P | | | | 1 | ATM |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 8 | |
| | 13A Socket outlet (British type) | | | | 3 | |

**Asset Register**

**Offsite ATM: Registrar**

**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Projected | SBM Cash | | | 1 | |
| | Canopy | SBM | | | 1 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | Recess diffuser - PL econo type bulb | | | 2 | |
| | Internal light | | | | N/A | |
| **UPS** | Capacity: 3KVA | EATON | DX3000H | 081014-21930003 | 1 | |
| **Main DB** | Main Circuit breaker 40A | | | | 1 | |
| | Circuit breaker 20A - 2P | | | | 1 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Circuit breaker 10A - 2P | | | | 1 | |
| | Contactor & Timer 32A - 2P | | | | 1 | |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 2 | |
| | 13A Socket outlet (British type) | | | | 2 | |

**Asset Register**

**Offsite ATM: Winners T.Rouge**

**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Canopy | | | | **1** | |
| | Indicative sign on ATM | | | | | |
| | Signage on ATM | | | | | |
| **Lighting system** | External light | Lighting fitting - PL econo type bulb (Recess type) | | | 2 | |
| | Internal light | 2 xlighting fitting - 4ft fluo tube c/w diffuser | | | 1 | |
| **A/C System** | Air conditioning | Trane 18KBTU | | **2403878550277190 150019** | 1 | **Maintenance by others** |
| **UPS** | Single phase UPS - 3KVA | Powerware | PW 9120 | RY 504A0074 | 1 | |
| **Main DB** | Circuit breaker 32A - 2P | Main Circuit breaker | | | 1 | |
| | Circuit breaker 32A - 2P | A/C unit | | | 1 | |
| | Circuit breaker 16A - 2P | | | | 2 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 5 | |
| | | | | | | |

# Asset Register

**Offsite ATM: Pte aux Sables**

**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Projected | SBM Cash | | | 1 | |
| | Post mounted | SBM Cash signage | | | 1 | |
| | Indicative sign on ATM | | | | | OK |
| | Signage on ATM | 24Hr Banking by SBM | | | 1 | |
| **Lighting system** | External light | | | | | |
| | Internal light | 2xlighting fittings - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Split type - 12KBTU | HAIER | HSU-12CA03 | | 1 | |
| **UPS** | Single phase UPS 3KVA | Powerware | 9120 | RW025A0100 | 1 | |
| **Main DB** | Circuit breaker 32A - 2P | Main | | | 1 | |
| | Circuit breaker 16A - 2P | Supply to UPS | | | 1 | |
| | Circuit breaker 20A - 2P | Supply to a/c | | | 1 | |
| | Circuit breaker 10A - 2P | ATM Light | | | 1 | |
| | Contactor 20A - 2P | Input & Output UPS | | | 1 | |
| **UPS Panel** | Circuit breaker 20A - 2P | | | | 2 | |
| **Socket outlets** | ATM being fed from separate circuit breaker 20A - 2P | | | | | |
| | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 2 | |

**Offsite ATM: Cascavelle**

**Type of ATM: Lobby Type**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | SBM | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | Lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Split type a/c unit | Mc Quay | | | 1 | Landlord equipment |
| **UPS** | Single phase UPS - 3KVA | EATON | | GD 136A06531 | 1 | |
| **Main DB** | Cicuit breaker 40A - 2P | | | | 1 | |
| | RCD 40A - 2P | | | | 1 | |
| | Circuit breaker 10A - 2P | Input UPS | | | 1 | |
| | Circuit breaker 25A - 2P | A/C | | | 1 | |
| **UPS power dist in Main DB** | Circuit breaker 16A - 2P | Output UPS | | | 1 | |
| | Circuit breaker 16A - 2P | Socket outlet | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 5 | |
| | 13A socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM:**
**Pasadena**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Projected Signage | SBM Cash | | | 1 | Signage dirty |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | 24Hr Banking by SBM | | | | |
| **Lighting system** | External light | | | | | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 1 | |
| | | Lighting fitting - 2ft fluo tube | | | 1 | |
| **A/C System** | Split type - 12KBTU | Mc Quay | MWM010F - AFAH | | 1 | |
| **UPS** | Single phase UPS - 1.5KVA | Powerware | PW 9120 | RT 452AO171 | 1 | |
| **Main DB** | Circuit breaker 32A | Legrand | | | 1 | |
| | Circuit breaker 20A | Legrand | | | 1 | |
| | Circuit breaker 10A | Legrand | | | 2 | |
| | Timer 16A | Legrand | | | | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 2 | |
| | 13A socket outlet (British type) | | | | 1 | |

**Asset Register**

**Offsite ATM: Palm Square**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Post mounted | | | | **1** | |
| | Canopy | **SBM Cash** | | | **1** | |
| | Indicative sign on ATM | ok | | | | |
| | Signage on ATM | 24 Hr Banking by SBM | | | | |
| **Lighting system** | External light | | | | | |
| | Internal light | 4 x lighting fitting 2ft fluo tube c/w diffuser | | | 1 | |
| | | Lighting fitting - 2ft fluo tube | | | 1 | |
| **A/C System** | Air conditioning | Airwell 12KBTU | AWSI-HGF024-N11 | | 1 | |
| | Air curtain | Nedfon | | | | |
| **UPS** | Single phase UPS - 2KVA | Eaton DX 2000 | | 100908-2958001 | 1- | |
| **Main DB** | Circuit breaker 32A - 2P | Legrand | | | 1 | |
| | RCD 40A - 2P | Legrand | | | 1 | |
| | Circuit breaker 10A - 2P | Legrand | | | 2 | |
| | Circuit breaker 16A - 2P | Legrand | | | 1 | |
| | Timer & contactor 16A - 2P | Legrand | | | 1 | |
| | Circuit breaker 25A - 2P | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 3 | |
| | | | | | | |

# Asset Register

**Offsite ATM: Ebene - Intermart**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Canopy | SBM Cash | | | 2 | |
| | Indicative sign on ATM | | | | | OK |
| | Signage on ATM | 24Hr Banking by SBM | | | 1 | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | Split type - 18KBTU | Trane | | **2403878550477180 120003** | 1 | Maintenance by others |
| **UPS** | Single phase UPS - 3KVA | Powerware | PW 9120 | RT 492A0222 | 1 | |
| **Main DB** | Main Circuit breaker 32A - 2P | Main | | | 1 | |
| | Circuit breaker 16A - 2P | Input UPS | | | 1 | |
| | Circuit breaker 16A - 2P | Output UPS | | | 1 | |
| | Circuit breaker 10A - 2P | | | | 4 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 8 | |
| | 13A socket outlet (British type) | | | | 2 | |

**Asset Register**

**Offsite ATM: Tang Wai**
**Type of ATM: In-Lobby**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage System** | Projected | SBM Cash signage at ext area | | | 1 | |
| | | Small SBM Cash panel at int area | | | 1 | |
| | Signage on ATM | 24Hr Banking by SBM | | | | |
| **UPS** | Single phase UPS - 1.5KVA | Liebert | GXT 1500 | 002030009AF4T1 | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | | |
| | 13A socket outlet (British type) | | | | | |

# Asset Register

**Offsite ATM - Trianon**
**Type of ATM: In-Lobby**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Indicative sign on ATM | OK | | | | |
| | Signage on ATM | 24 Hr Banking by SBM | | | | |
| **Lighting system** | External light | N/A | | | | |
| | Internal light | N/A | | | | |
| **A/C System** | Air conditioning | N/A | | | | |
| **UPS** | Single phase UPS - 3KVA | Eaton - Powerware | DX 3000 | 110617-34910005 | | |

# Asset Register

**Offsite ATM:**
**Peerbhai**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Projected signage | SBM Cash signage | | | 1 | |
| | Fascia | SBM signage | | | 1 | |
| | Indicative sign on ATM | OK | | | | |
| | Signage on ATM | 24Hr Banking by SBM | | | 1 | |
| **Lighting system** | External light | Lighting fitting - 4ft fluo tube | | | 1 | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | 9KBTU - Split type a/c unit | Panasonic | CU-PC9GKH | | 1 | |
| **UPS** | Capacity: 3KVA | Powerware | PW 9120 | RT 492A0223 | 1 | |
| **Main DB** | Main Circuit breaker 40A | | | | 1 | |
| | RCD 40A | | | | 1 | |
| | Circuit breaker 20A - 2P | | | | 1 | |
| | Circuit breaker 16A - 2P | | | | 2 | |
| | Circuit breaker 10A - 2P | | | | 1 | |
| | Contactor & Timer 16A - 2P | | | | 1 | |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 6 | |
| | 13A Socket outlet (British type) | | | | 4 | |

# Asset Register

**Offsite ATM: OrchardType of ATM: Lobby Type**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | SBM Cash | | | 2 | |
| | Indicative sign on ATM | OK | | | | |
| | Signage on ATM | 24 Hr Banking by SBM | | | 2 | |
| **Lighting system** | External light (Lobby) | PL type econo bulbs | | | 13 | |
| | Internal light | PL type econo bulb | | | 1 | |
| **A/C System** | Split type - 24KBTU | Midea | CS-PC24JKH | 24141984905798 0150017 | 1 | Maintenance by others |
| | Air curtain | Nedfon | | | 1 | |
| **UPS** | Single phase UPS - 3KVA | Eaton | DX 3000 | 080114-21930006 | 1 | |
| **Line Protection** | Single phase surge protector | SRF Proline 163 | | | 1 | |
| **Main DB** | Main isolator 63A - 2P | | | | 1 | |
| | Circuit breaker 63A - 2P | | | | 1 | |
| | Circuit breaker 16A - 2P | | | | 2 | |
| | Circuit breaker 32A - 2P | | | | 1 | For a/c unit |
| | Circuit breaker 10A - 2P | | | | 2 | |
| **UPS Panel** | Circuit breaker 32A - 2P | | | | 1 | |
| | Circuit breaker 25A - 2P | | | | 3 | |
| | Circuit breaker 10A - 2P | | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 9 | |
| | | | | | | |

**Asset Register**

**Offsite ATM - Super U - B. Rose**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | SBM Cash signage | | | | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | | |
| **Lighting system** | External light | N/A | | | | |
| | Internal light | N/A | | | | |
| **A/C System** | Air conditioning | N/A | | | | |
| **UPS** | Single phase UPS - 3KVA | Powerware | 9120 | RY504A0075 | 1 | |
| **Main DB** | Circuit breaker 20A | Legrand | | | 4 | |
| | Circuit breaker 10A | Legrand | | | 1 | |
| | Timer Legrand 10A | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 2 | |
| | 13A socket outlet (British type) | | | | 1 | |

**Offsite ATM: Helvettia**
**Type of ATM: In-Lobby**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | | | | **1** | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | | | | N/A | |
| **A/C System** | Air conditioning | | | | N/A | |
| **UPS** | Single phase UPS | Eaton | DX 2000 | 110617-34910005 | 1 | |

# Asset Register

**Offsite ATM: Bagatelle**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Fascia | Led illuminated - SBM signage cash signage | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | N/A | | | 1 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Mc Quay 24KBTU | | | 1 | |
| **UPS** | Single phase UPS - 2KVA | Eaton | DX 2000 | GD 136A0647 | 1 | |
| **Main DB** | RCD 63A - 2P | | | | 2 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Contactor & Timer 25A | | | | 1 | External lighting |
| | Circuit breaker 16A - 2P | | | | 1 | A/C unit |
| | Circuit breaker 16A - 2P | | | | 2 | Input & Output UPS |
| **Socket outlets** | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 1 | |

**Offsite ATM: VIP - Flacq**
**Type of ATM: In-Lobby**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | | | | **N/A** | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | | | | N/A | |
| **A/C System** | Air conditioning | | | | N/A | |
| **UPS** | Single phase UPS | Eaton | DX 2000 | | 1 | |

# Asset Register

**Offsite ATM: London Vacoas**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | | | | 1 | |
| | Indicative sign on ATM | | | | 1 | |
| | Signage on ATM | 24 Hr Banking by SBM | | | 1 | |
| **Lighting system** | External light | Lighting fitting - 2ft fluo tube | | | 2 | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | Air conditioning | Trane | Wall 18kBTU | 24038785502771 90150034 | 1 | Maintenance by others |
| **UPS** | Single phase UPS - 3KVA | Powerware | 9120 | RV231A0121 | 1 | |
| **Main DB** | Circuit breaker 63A - 2P | Legrand | | | 1 | |
| | Circuit breaker 10A - 2P | Legrand | | | 4 | |
| | Circuit breaker 16A - 2P | Legrand | | | 1 | |
| | Circuit breaker 20A - 2P | Legrand | | | 1 | |
| **UPS Panel** | Circuit breaker 20A - 2P | Legrand | | | 1 | |
| | Circuit breaker 16A - 2P | Legrand | | | 1 | |
| | Circuit breaker 10A - 2P | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 9 | |
| | 13A socket outlet (British type) | | | | 2 | |

**Asset Register**

**Offsite ATM: Mauritius Post - Glen Park**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Post mounted | | | | 1 | |
| | Fascia | | | | 1 | |
| | Indicative sign on ATM | | | | N/A | |
| | Signage on ATM | | | | SBM | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | | | | N/A | |
| **A/C System** | Air conditioning | | | | N/A | |
| **UPS** | Single phase UPS - 2KVA | Eaton | DX 2000 | 110121-49570005 | 1 | |
| **Main DB** | Main Circuit breaker 40A - 2P | Schneider | | | 1 | |
| | Circuit breaker 16A - 2P | Schneider | | | 4 | |
| | Circuit breaker 10A - 2P | Schneider | | | 1 | |
| | Timer 10A | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 5 | |
| | 13A socket outlet (British type) | | | | 2 | Double socket |

# Asset Register

**Offsite ATM: Winners Reunion Vacoas**
**Type of ATM: Thru' the Wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Post mounted | SBM Cash | | | 1 | |
| | Fascia | | | | 1 | |
| | Indicative sign on ATM | | | | N/A | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | 2 x Lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Yamatsu | 9KBTU | | 1 | |
| **UPS** | Single phase UPS - 2KVA | Eaton | | | 1 | |
| **Main DB** | Circuit breaker 63A - 2P | Legrand | | | 1 | |
| | Circuit breaker 16A - 2P | Legrand | | | 2 | |
| | Circuit breaker 32A - 2P | Legrand | | | 1 | |
| | Timer 16A - 2P | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 3 | |
| | 13A socket outlet (British type) | | | | 2 | |

# Asset Register

**Offsite ATM: Winners St Paul**
**Type of ATM: Thru' the Wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Post mounted | SBM Cash | | | 1 | |
| | Fascia | | | | 1 | |
| | Indicative sign on ATM | | | | N/A | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | 2 x Lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Yamatsu | 9KBTU | | 1 | |
| **UPS** | Single phase UPS - 2KVA | Eaton | (E series DX 2000) | 100908-29580010 | 1 | |
| **Main DB** | Circuit breaker 63A - 2P | Legrand | | | 1 | |
| | Circuit breaker 16A - 2P | Legrand | | | 2 | |
| | Circuit breaker 32A - 2P | Legrand | | | 1 | |
| | Timer 16A - 2P | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 3 | |
| | 13A socket outlet (British type) | | | | 2 | |

**Offsite ATM: Kinnoo Square**
**Type of ATM: In-Lobby**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Indicative sign on ATM | OK | | | | |
| | Signage on ATM | 24 Hr Banking by SBM | | | | |
| **Lighting system** | External light | N/A | | | | |
| | Internal light | N/A | | | | |
| **A/C System** | Air conditioning | N/A | | | | |
| **UPS** | Single phase UPS - 3KVA | Eaton - Powerware | DX 3000 | | | |

# Asset Register

**Offsite ATM: Souillac**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Projected | SBM Cash | | | 1 | |
| | Fascia | SBM | | | 1 | |
| | Indicative sign on ATM | | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | Recess type - lighting fitting | | | | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | | |
| **A/C System** | Split type - 12KBTU | Airwell | AWSI-HGF012-N11 | | | |
| **UPS** | Single phase UPS - 3KVA | Eaton | E-series DX | | | |
| **Main DB (Schneider)** | Main isolator 40A - 2P | Schneider electric | | | 1 | |
| | RCD 40A - 2P | Schneider electric | | | 1 | |
| | Circuit breaker 32A - 2P | Schneider electric | | | 1 | UPS input |
| | Circuit breaker 32A - 2P | Schneider electric | | | 1 | UPS output |
| | Circuit breaker 32A - 2P | Schneider electric | | | 1 | Supply to a/c unit |
| | Circuit breaker 16A - 2P | Schneider electric | | | 3 | |
| | Timer 16A - 2P | Legrand | | | 1 | |
| | Contactor 25A - 2P | Legrand | | | 1 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 5 | |
| | 13A socket outlet (British type) | | | | 1 | Double socket |

# Asset Register

**Offsite ATM: London Mahebourg**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Post mounted | | | | 1 | |
| | Projected | | | | 1 | |
| | Indicative sign on ATM | | | | | |
| | Signage on ATM | | | | 1 | |
| **Lighting system** | External light | | | | | Landlord |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | Split type - 18KBTU | Trane | | 24038785502771 90150009 | 1 | Maintenance by others |
| **UPS** | Single phase UPS - 3KVA | Powerware | PW 9120 | RW494A0515 | 1 | |
| **Main DB** | Main circuit breaker 63A - 2P | Legrand | | | 1 | |
| | Circuit breaker 20A - 2P | Legrand | | | 1 | |
| | Circuit breaker 16A - 2P | Legrand | | | 3 | |
| | Circuit breaker 10A - 2P | Legrand | | | 2 | |
| | Timer & contactor 16A | Legrand | | | | |
| **UPS Panel** | Circuit breaker 16A - 2P | Legrand | | | 2 | UPS input/Output |
| | Circuit breaker 10A - 2P | Legrand | | | 3 | |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 6 | |
| | 13A Socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM: Lolo Hypermarket**
**Type of ATM: Thru' the Wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Canopy Signage | SBM Cash | | | 1 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | N/A | | | | |
| **Lighting system** | External light | Recess - 2 x PL econo bulbs | | | 2 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | Split type - 18KBTU | Trane | | 2403878550477180 120005 | 1 | Maintenance by others |
| **UPS** | Single phase UPS - 3KVA | Powerware | 9120 | RB 353A0226 | 1 | |
| **Main DB** | Circuit breaker 32A - 2P | ABB | | | 1 | |
| | Circuit breaker 63A - 2P | ABB | | | 1 | |
| | Circuit breaker 20A - 2P | Legrand | | | 1 | A/C unit |
| | Circuit breaker 10A - 2P | Legrand | | | 2 | Lighting |
| **UPS Panel** | Circuit breaker 16A - 2P | Legrand | | | 2 | UPS input/output |
| | Circuit breaker 10A - 2P | Legrand | | | 3 | |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 2 | |
| | 13A Socket outlet (British type) | | | | 2 | |

# Asset Register

**Offsite ATM: Winners Pereybere**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Post mounted | SBM Cash | | | 1 | |
| | Fascia signage | SBM Cash | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | | | | | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | Split type - 18KBTU | Midea | | 2403878550277190150036 | 1 | Maintenance by others |
| **UPS** | Single phase UPS - 2KVA | Eaton | 9130 | GD235A0509 | 1 | |
| **Main DB** | Circuit breaker 40A - 4P | Legrand | | | 1 | Main |
| | Circuit breaker 25A - 2P | Legrand | | | 1 | |
| | Circuit breaker 10A - 2P | Legrand | | | 1 | |
| | Contactor 25A - 2P | Schneider | | | 1 | |
| | Timer 25A - 2P | Schneider | | | 1 | |
| **UPS Panel** | Circuit breaker 16A - 2P | Schneider | | | 2 | UPS input/output |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 1 | |
| | 13A Socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM: Super U - G. Baie**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Super U - G. Baie** | Fascia | SBM Cash | | | 1 | |
| | Indicative sign on ATM | | | | 1 | |
| | Signage on ATM | 24Hr Banking by SBM | | | 1 | |
| **Lighting system** | External light | | | | | |
| | Internal light | Lighting fitting - 4ft fluo tube | | | 1 | |
| **A/C System** | Split type - 9KBTU | Panasonic | CS-PC9GKH | | 1 | |
| **UPS** | Single phase UPS - 1.5KVA | Powerware | PW 9120 | RT 452A01068 | 1 | |
| **Main DB** | ELCB 40A - 2P | Schneider | | | 1 | |
| | Circuit breaker 6A - 2P | | | | 1 | |
| | Circuit breaker 32A - 2P | | | | 3 | |
| | Timer 16A - 2P | | | | 1 | |
| **Automatic Change over system** | SDMO | | | | 1 | Landlord equipment |
| **Socket outlets** | 16A Socket outlet (French type) | | | | 2 | |
| | 13A Socket outlet (British type) | | | | 2 | |

**Offsite ATM: Mauritius Telecoms**
**Type of ATM: In-Lobby**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | | | | **N/A** | |
| **Lighting system** | Internal Light | | | | N/A | |
| | External Light | | | | N/A | |
| **A/C System** | Air-conditioning | | | | N/A | |
| **UPS** | Single phase UPS | Eaton | DX 2000 | | 1 | |

**Offsite ATM: Winners F.Side**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| Signage items | Post mounted | | | | | |
| | Projected | | | | | |
| | Indicative sign on ATM | | | | | |
| | Signage on ATM | | | | | |
| Lighting system | External light | | | | | |
| | Internal light | Tubes 2 x 4" + fittings | | | 2 | Landlord |
| | | Emergency lgt | | | 1 | Landlord |
| | Electrical | Lighting swt - 2 x 1 g - 1w | | | 2 | Landlord |
| A/C System | Split type - 12KBTU | Midea | | 241476540057B110 120021 | 1 | Maintenance by others |
| | DP Swt | | | | 1 | |
| UPS | Single phase UPS - 3KVA | Powerware | 9120 | RT492A0223 | 1 | |
| Main DB | CB - 32A - 4 Poles - Legrand | Separate box | | | 1 | |
| | CB - 32A - 2 Poles - Legrand | Main | | | 1 | |
| | CB - 20A - 2 Poles - Legrand | Socket no. 1 | | | 1 | |
| | CB - 16A - 2 Poles - Legrand | Spare 2 | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Sign (Signage*) | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Fuse | | | 1 | |
| | CB - 16A - 2 Poles - Legrand | Timer (CTL FOR CMI) | | | 1 | |
| | CB - 16A - 2 Poles - Legrand | Input UPS -= 1.5 KVA | | | 1 | |
| | CB - 25A - 2 Poles - Merlin Gerin | Contactor (CTI) | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Output UPS - 1.5 KVA | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | ATM | | | 1 | |
| UPS Panel | CB - 10A - 2 Poles - Legrand | Data Cabinet | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Spare 3 | | | 1 | |
| Socket outlets | 16A Socket outlet (French type) | | | | 1 | Landlord |
| | 13A Socket outlet (British type) | | | | | |

# Asset Register

**Offsite ATM: Jumbo Riche Terre**
**Type of ATM: Thru-the-wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage system** | Fascia | SBM Cash | | | **1** | |
| | Indicative sign on ATM | | | | OK | |
| | Signage on ATM | SBM | | | OK | |
| **Lighting system** | External light | | | | N/A | |
| | Internal light | Lighting fitting - econo type bulb | | | 2 | |
| **A/C System** | Split type - 12KBTU | Acson | | | 1 | |
| **UPS** | Single phase UPS - 3KVA | Eaton | PW9120 | RT513A0107 | 1 | |
| **Main DB** | Circuit breaker 32A - 2P | ABB | | | 1 | |
| | Circuit breaker 16A - 2P | Hallmark | | | 2 | |
| | Circuit breaker 16A - 2P | ABB | | | 1 | |
| | Circuit breaker 16A - 2P | ABB | | | 2 | |
| | Timer 16A - 2P | Legrand | | | 1 | |
| | Contactor 20A - 2P | ABB | | | 1 | |
| **Sub Panel** | Circuit breaker 32A - 2P | Hallmark | | | 1 | |
| | Circuit breaker 16A - 2P | Hallmark | | | 2 | |
| | Circuit breaker 10A - 2P | Hallmark | | | 3 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 9 | |

# Asset Register

**Offsite ATM: La Croisette**
**Type of ATM: Thru-the-wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| Signage items | Post mounted | | | | | |
| | Fascia | | | | 2 | |
| | Indicative sign on ATM | | | | | |
| | Signage on ATM | | | | 1 | |
| Lighting system | External light | | | | | |
| | Internal light | Tubes 2 x 4" + fittings | | | 2 | Landlord |
| | | Emergency lgt | | | 1 | Landlord |
| | Electrical | Lighting swt - 2 x 1 g - 1w | | | 2 | Landlord |
| A/C System | Split type - 18KBTU | Acson - OFF | | | 1 | |
| | DP Swt | | | | 1 | |
| UPS | Single phase UPS - 3KVA | Powerware | 9120 | RT492A0223 | 1 | |
| Main DB | CB - 32A - 4 Poles - Legrand | Separate box | | | 1 | |
| | CB - 32A - 2 Poles - Legrand | Main | | | 1 | |
| | CB - 20A - 2 Poles - Legrand | Socket no. 1 | | | 1 | |
| | CB - 16A - 2 Poles - Legrand | Spare 2 | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Sign (Signage*) | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Fuse | | | 1 | |
| | CB - 16A - 2 Poles - Legrand | Timer (CTL FOR CMI) | | | 1 | |
| | CB - 16A - 2 Poles - Legrand | Input UPS -= 1.5 KVA | | | 1 | |
| | CB - 25A - 2 Poles - Merlin Gerin | Contactor (CTI) | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Output UPS - 1.5 KVA | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | ATM | | | 1 | |
| UPS Panel | CB - 10A - 2 Poles - Legrand | Data Cabinet | | | 1 | |
| | CB - 10A - 2 Poles - Legrand | Spare 3 | | | 1 | |
| Socket outlets | 16A Socket outlet (French type) | | | | 1 | Landlord |
| | 13A Socket outlet (British type) | | | | | |

# Asset Register

**Offsite ATM: Super U Flacq**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Fascia | Led illuminated - SBM signage cash signage | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | N/A | | | 1 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Mc Quay 12KBTU | | | 1 | |
| **UPS** | Single phase UPS - 3KVA | Eaton | | | 1 | |
| **Main DB** | RCD 63A - 2P | | | | 2 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Contactor & Timer 25A | | | | 1 | External lighting |
| | Circuit breaker 16A - 2P | | | | 1 | A/C unit |
| | Circuit breaker 16A - 2P | | | | 2 | Input & Output UPS |
| **Socket outlets** | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM: SSMS Flacq**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Fascia | Led illuminated - SBM signage cash signage | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | N/A | | | 1 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Mc Quay 12KBTU | | | 1 | |
| **UPS** | Single phase UPS - 3KVA | Eaton | | | 1 | |
| **Main DB** | RCD 63A - 2P | | | | 2 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Contactor & Timer 25A | | | | 1 | External lighting |
| | Circuit breaker 16A - 2P | | | | 1 | A/C unit |
| | Circuit breaker 16A - 2P | | | | 2 | Input & Output UPS |
| **Socket outlets** | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM: Intermart Chebel**
**Type of ATM: Lobby Type**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Fascia | Led illuminated - SBM signage cash signage | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | N/A | | | 1 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | | | | N/A | |
| **UPS** | Single phase UPS - 3KVA | Eaton | | | 1 | |
| **Main DB** | RCD 63A - 2P | | | | 2 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Contactor & Timer 25A | | | | 1 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Circuit breaker 16A - 2P | | | | 2 | |
| **Socket outlets** | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM: So Flo**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Fascia | Led illuminated - SBM signage cash signage | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | N/A | | | 1 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Trane 12KBTU | | | 1 | |
| **UPS** | Single phase UPS - 3KVA | Eaton | | | 1 | |
| **Main DB** | RCD 63A - 2P | | | | 2 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Contactor & Timer 25A | | | | 1 | External lighting |
| | Circuit breaker 16A - 2P | | | | 1 | A/C unit |
| | Circuit breaker 16A - 2P | | | | 2 | Input & Output UPS |
| **Socket outlets** | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 1 | |

# Asset Register

**Offsite ATM: La Gaulette**
**Type of ATM: Thru' the wall**

| System | Description | Make | Model | Serial | Qty | Comments |
|---|---|---|---|---|---|---|
| **Signage items** | Fascia | Led illuminated - SBM signage cash signage | | | 2 | |
| | Indicative sign on ATM | N/A | | | | |
| | Signage on ATM | SBM | | | 1 | |
| **Lighting system** | External light | N/A | | | 1 | |
| | Internal light | 2 x lighting fitting - 4ft fluo tube c/w cover | | | 1 | |
| **A/C System** | Air conditioning | Mc Quay 12KBTU | | | 1 | |
| **UPS** | Single phase UPS - 3KVA | Eaton | | | 1 | |
| **Main DB** | RCD 63A - 2P | | | | 2 | |
| | Circuit breaker 16A - 2P | | | | 1 | |
| | Contactor & Timer 25A | | | | 1 | External lighting |
| | Circuit breaker 16A - 2P | | | | 1 | A/C unit |
| | Circuit breaker 16A - 2P | | | | 2 | Input & Output UPS |
| **Socket outlets** | 16A socket outlet (French type) | | | | 1 | |
| | 13A socket outlet (British type) | | | | 1 | |

## ELECTRICAL INSTALLATIONS - PLAISANCE MALL (NEW ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 12,000btu wall type split air conditioning units | No | 1 |
| 7 | Signage Works | | |
| | Illuminated signage overall size 1600 x 500 mm | No | 1 |

## ELECTRICAL INSTALLATIONS - NOUVELLE FRANCE SAVEMART (NEW ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 12,000btu wall type split air conditioning units | No | 1 |
| | | | |
| | | No | 1 |

## ELECTRICAL INSTALLATIONS - Bo Vallon Mall

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 12,000btu wall type split air conditioning units | No | 1 |
| | | | |
| | | No | 1 |

| Simla Way - Baie du Tombeau | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| ITEM | DESCRIPTION | UNIT | | RATE | AMOUNT |
| 1 | **Main distribution board** | Nos | 1 | | - |
| 2 | Isolator 2P 40A | Nos | 1 | | - |
| 3 | Breaker 2P 25A | Nos | 1 | | - |
| 4 | RCD 2P 25A(Lighting and general socket) | Nos | 1 | | - |
| 5 | Breaker 1P +N 10A for lighting | Nos | 1 | | - |
| 6 | Breaker 1P+ N 16A for General socket | Nos | 1 | | - |
| 7 | RCD 2P 25A 30mA for Air conditioning and spare socket | Nos | 1 | | - |
| 8 | Breaker 1P + N 20A for 18,000 Btu Air conditioning Unit | Nos | 1 | | - |
| 9 | Breaker 1P +N 20A For Spare socket | Nos | 1 | | - |
| 10 | Breaker 2P 16A feeder to UPS | Nos | 1 | | - |
| 11 | **UPS Panel** | Nos | 1 | | - |
| 12 | Breaker 2P 20A | Nos | 1 | | - |
| 13 | RCBO 2P 20A 30mA | Nos | 1 | | - |
| 14 | **Internal Lighting fixture fluorescent LED tube light** | Nos | 1 | | - |
| 15 | **Exterbal lighting** | lot | 1 | | - |
| 16 | Airconditioning Unit - 12kbtu Trane inverter split type | Nos | 1 | | - |
| 17 | **Signage system - Illuminated signage** | LOT | 1 | | **-** |
| | **12,000btu energy efficient air condiitoning unit** | **LOT** | **1** | | **-** |
| | | | | | |

| D SQUARE SOLFERINO thru the wall ATM | | | | |
|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | **REMARKS** |
| **1** | **Electrical panel comprising of switchgears for the proper running of the ATM.** | | | |
| | | | | |
| 1.1 | Main Isolator 2P 63A | No | 1 | |
| 1.2 | RCD 2P 25A/ 1 CB 1P+N10A Lights/ 1CB 1P+N16 CEB Sockets | No | 1 | |
| 1.3 | CB 1P+N10A / Fuse 2A/ 1 Timer Analogue | No | 1 | |
| 1.5 | RCD 2P25 A/ 1 CB 1P+N16 AC / | No | 1 | |
| 1.7 | CB 2P 16A Feeder UPS IN 6KVA | No | 1 | |
| | | | | |
| **2** | **UPS Out Enclosure** | | | |
| 2.1 | Main isolator 2P 40A | No | 1 | |
| 2.2 | RCD 25A / 2 CB 1P+N16 A Alarm + Data Cabinet | No | 1 | |
| 2.3 | RCBO 16A ATM Lobby | No | 1 | |
| 2.4 | RCBO 16A ATM TTW | No | 1 | |
| | | | | |
| **3** | **Accessories** | | | |
| 3.1 | Switch 1G 1W | No | 1 | |
| 3.2 | Plexo Boxes | No | 2 | |
| 3.3 | Sockets 13 A - CEB | No | 2 | |
| 3.4 | Sockets 16 A - CEB | No | 2 | |
| | | | | |
| **4** | **Light Fittings** | | | |
| 4.1 | Light in ATM Room | No | 1 | |
| 4.2 | Light outside ATM Room for Signage | No | 1 | |
| **5** | **UPS** | | | |
| 5.1 | UPS 6kVA double conversion Premium Type | No | 1 | |
| **6** | **Airconditioning Unit** | | | |
| 6.1 | 12000 btu inverter in working order with all necessary accessories, | No | 1 | |
| **7** | **Signage Works** | | | |
| 7.1 | SBM Signage at ATM | No | 1 | |
| 7.2 | Totem near Main Road | No | 1 | |

SBM

**ELECTRICAL INSTALLATIONS - BRABANT SPAR (New ATM)**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| 1 | **UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled.** | No | 1 | |
| | 1 Main isolator 2P 40A | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | |
| 2 | **Additional switchgears that will be used in existing main electrical distribution panel for the proper running of the ATM and other key electrical components.** | No | 1 | |
| | 1 RCD 2P 25A (30mA) New — 1 Circuit Breaker 1P+N20A for AC | | | |
| | 1 RCD 2P 25A (30mA) New — 1 Circuit Breaker 1P+N10A for Lighting | | | |
| | 1 RCD 2P 25A (30mA) New — 1 Circuit Breaker 1P+N10A for External Lighting | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | | |
| 3 | Wiring and Cable Ways | | | |
| | Wiring inclusive of cable ways for the proper running of the M&E system. | | | |
| 3.1 | Allow 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 | |
| | *Wire from Main Electrical Distribution Panel:* | | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 1 | |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 2 | |
| 3.4 | 3C1.5mm2 Cu Cable for Totem General Lighting Point outside ATM Room | No | 1 | |
| | *Wire from UPS Electrical Distribution Panel:* | | | |
| **3.5** | **Wiring to Data Cabinet** | No | 1 | |
| 3.6 | Wiring to Alarm and CCTV | No | 1 | |
| 3.7 | Wiring to terminate wiring to ATM Through The Wall (TTW) | No | 1 | |
| | | | | |
| **4** | **Light fittings on site** | | | |
| 4.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 | |
| 4.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 1 | |
| | | | | |
| **5** | **Signage works** | Lot | 1 | |
| | Illuminated signage-overall size 1200 x 400 mm | | | |
| **6** | **Airconditioning** | Lot | 1 | |
| | 18,000 Btu inverter type air conditioning unit | | | |

ELECTRICAL INSTALLATIONS - CARREFOUR PHOENIX (New ATM)

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | |
| | 1 Main isolator 2P 40A | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | |
| | | | | |
| | | | | |
| 2 | Wiring and Cable Ways | | | |
| | Wiring inclusive of cable ways for the proper running of the M&E system. | | | |
| 2.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 | |
| | *Wire from Main Electrical Distribution Panel:* | | | |
| 2.2 | 3C1.5mm2 Cu Cable for Suspended Ceiling Lighting Point inside the ATM Room | No | 2 | |
| 2.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 | |
| 2.4 | 3C1.5mm2 Cu Cable for Wall/Ceiling General Lighting Point outside ATM Room | No | 2 | |
| | *Wire from UPS Electrical Distribution Panel:* | | | |
| 2.5 | Wiring to Data Cabinet | No | 1 | |
| 2.6 | Wiring to Alarm and CCTV | No | 1 | |
| 2.7 | Wiring to ATM Through The Wall (TTW) | No | 1 | |
| | | | | |
| 3 | Appropriate mechanism and back box inclusive of sundries for a working order system. | | | |
| 3.1 | 1 No 1G1W Switch for Internal Light | No | 1 | |
| | | | | |
| 4 | light fittings on site | | | |
| 4.1 | Internal Lighting fixture Suspended Led Panel 600x600 Colour White (6000K) | No | 2 | |
| 4.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 1 | |
| 5 | Signage Works | | | |
| 5.1 | Supply and fix single sided illuminated signage as per ID's intent overall size 1600 x 500 mm | No | 1.0 | |
| 5.2 | Supply and fix double mounted illuminated projected signage of size 900 x 500 mm fixed on wall façade. | No | 1.0 | |
| 6 | Air conditioning Works | | | |
| | 12,000btu Wall mounted split type air conditioning units | No | 1 | |
| | | | | |

## ELECTRICAL INSTALLATIONS - MANHATTAN (EXISTING ATM)

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|
| 1 | Supply, install, test and commission UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | | | | | |
| | 1 Main isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | | |
| | | | | | |
| 2 | Supply, install, test and commission Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | | | | | |
| | 1 Main Isolator 2P 63A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer | | | | |
| | | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | | | |
| | 1 Circuit Breaker 1P+N16A Spare | | | | |
| | | | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | | | |
| | | | | | |
| | | | | | |
| 3 | Wiring and Cable Ways | | | | |
| | Supply, install, test and commission wiring inclusive of cable ways for the proper running of the M&E system. | | | | |
| 3.1 | Allow 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 | - | - |
| | *Wire from Main Electrical Distribution Panel:* | | | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 1 | - | - |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 | - | - |
| 3.4 | 3C1.5mm2 Cu Cable for Downlights on the false ceiling | No | 3 | - | - |
| 3.5 | 3C1.5mm2 Cu Cable for Ceiling Lighting Point inside ATM Room | No | 1 | | |
| | *Wire from UPS Electrical Distribution Panel:* | | | | |
| 3.6 | Allow to terminate Wiring to Data Cabinet | No | 1 | - | - |
| 3.7 | Wiring to terminate wiring to Alarm and CCTV | No | 1 | - | - |
| 3.8 | Wiring to terminate wiring to ATM Through The Wall (TTW) | No | 1 | - | - |
| | | | | | |
| 4 | Supply and install accessories with appropriate mechanism and back box inclusive of | | | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 | | |
| | | | | | |
| 4 | Supply and install light fittings on site | | | | |
| 4.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 | | |
| 4.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 1 | | |
| 4.3 | IP 55 Downlights for false ceiling | No | 3 | | |
| | | | | | |
| 5 | Allow cable management to existing wirings both within the ATM Room | Lot | 1 | | |
| | | | | | |
| 6 | Signage works | Lot | 1 | 15,000 | 15,000 |
| | Illuminated signage - overall size 1600 x 500 mm | No | 1.0 | | |
| | Double mounted projected illuminated signage of size 900 x 500 mm fixed on wall façade. | No | 1.0 | | |
| 7.00 | 18,000KBTU Airconditioning unit | | | | |

**Riverside - Riviere du Rempart**

| ITEM | DESCRIPTION | UNIT | QTY | REMARKS |
|---|---|---|---|---|
| 1 | **Supply and fix Main distribution board** | Nos | 1 | |
| 2 | Isolator 2P 40A | Nos | 1 | |
| 3 | Breaker 2P 25A | Nos | 1 | |
| 4 | RCD 2P 25A(Lighting and general socket) | Nos | 1 | |
| 5 | Breaker 1P +N 10A for lighting | Nos | 1 | |
| 6 | Breaker 1P+ N 16A for General socket | Nos | 1 | |
| 7 | RCD 2P 25A 30mA for Air conditioning and spare socket | Nos | 1 | |
| 8 | Breaker 1P + N 20A for 18,000 Btu Air conditioning Unit | Nos | 1 | |
| 9 | Breaker 1P +N 20A For Spare socket | Nos | 1 | |
| 10 | Breaker 2P 16A feeder to UPS | Nos | 1 | |
| 11 | UPS Panel | Nos | 1 | |
| 12 | Breaker 2P 20A | Nos | 1 | |
| 13 | RCBO 2P 20A 30mA | Nos | 1 | |
| 14 | External Lighting Fixture with timer - optional | Nos | 1 | |
| | Breaker 1P + N 10A with timer | Nos | 1 | |
| 15 | Internal Lighting fixture fluorescent LED tube light | Nos | 1 | |
| 16 | Cables | LOT | | |
| 17 | **Airconditioning Units** | LOT | | |
| | 12,0000BTU air conditioning outdoor unit, fully assembled unit | LOT | 1 | |
| | assembled unit R410A Refrigerant, | | | |
| | High Energy efficiency rating >A+, 230V, 1ph, 50 Hz, | | | |

**Super U Goodlands**

**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|
| 1 | Supply, install, test and commission Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | 1 Main Isolator 2P 63A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | | | |
| | 1 Circuit Breaker 1P+N16A Spare | | | | |
| | 1 Circuit Breaker 2P 40A for Feeder UPS IN 6kVA | | | | |
| 2 | Supply, install, test and commission UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | 1 Main isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | | |
| | 1 RCBO 2P 16A (30mA) for Through The Wall ATM | | | | |
| 3 | Wiring and Cable Ways | | | | |
| | Supply, install, test and commission wiring inclusive of cable ways for the proper running of the M&E system. | | | | |
| 3.1 | Allow 3C6mm2 Cu Cable from isolator panel to feed Main Electrical Distribution Panel | Lot | 1 | - | - |
| | *Wire from Main Electrical Distribution Panel:* | | | | |
| 3.2 | 3C1.5mm2 Cu Cable for Ceiling Lighting Point inside the ATM Room | No | 1 | - | - |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 | - | - |
| 3.4 | 3C1.5mm2 Cu Cable for Wall/Ceiling General Lighting Point outside ATM Room | No | 1 | - | - |
| 3.5 | 3C2.5mm2 Cu Cable for Totem Lighting Point at the entrance of the Mall | No | 1 | - | - |
| 3.6 | 3C2.5mm2 Cu Cable for Power Point for Cleaning sockets inside the ATM Room | No | 1 | - | - |
| 3.7 | 3C4mm2 Cu Cable for Power Point for inverter 12000 btu ac | No | 1 | - | - |
| 3.8 | 3C6mm2 Cu Cable for Power Point for UPS IN Feeder 6kVA | No | 1 | - | - |
| 3.9 | 3C6mm2 Cu Cable from UPS OUT to UPS Distribution Panel | Lot | 1 | - | - |
| | *Wire from UPS Electrical Distribution Panel:* | | | | |
| 3.10 | Wiring to Data Cabinet | No | 1 | - | - |
| 3.11 | Wiring to Alarm and CCTV | No | 1 | - | - |
| 3.12 | Wiring to ATM Through The Wall (TTW) | No | 1 | - | - |
| 4 | Supply and install accessories with appropriate mechanism and back box inclusive of sundries for a working order system. | | | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 | - | - |
| 4.2 | 1 No Double 13A Sockets (2x13A) for Cleaning Socket inside ATM Room | No | 1 | - | - |
| 4.3 | 1 No DP Switch 20A for AC | No | 1 | - | - |
| 4.4 | 1 No Double French Sockets (2x16A) for Data Cabinet (UPS Sockets) | No | 1 | - | - |
| 4.5 | 1 No Double French Sockets (2x16A) for Alarm/CCTV (UPS Sockets) | No | 1 | - | - |
| 4.7 | 1 No French Socket (1x16A) for ATM TTW (UPS Socket) | No | 1 | - | - |
| 5 | Supply and install light fittings on site | | | | |
| 5.1 | Internal Lighting fixture fluorescent LED tube light 36W | No | 1 | | |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 1 | | |
| 6 | Allow a contingency sum for unforeseen works. | Lot | 1 | | |
| | | | | | - |

**VICTORIA URBAN TERMINAL - ZONE A**
**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|
| 1 | Supply, install, test and commission Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | | | | | |
| | 1 Main Isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A + 1 No Timer Digital | | | | |
| | | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | | | |
| | 1 Circuit Breaker 1P+N16A Spare | | | | |
| | | | | | |
| | 1 Circuit Breaker 2P 20A for Feeder UPS IN 3kVA | | | | |
| | | | | | |
| 2 | Supply, install, test and commission UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | | | | | |
| | 1 Main isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | | |
| | | | | | |
| | 1 RCBO 2P 16A (30mA) for Through The Wall ATM | | | | |
| | | | | | |
| 3 | Wiring and Cable Ways | | | | |
| | Supply, install, test and commission wiring inclusive of cable ways for the proper running of the M&E system. | | | | |
| 3.1 | Allow 3C6mm2 Cu Cable from isolator panel to feed Main Electrical Distribution Panel | Lot | 1 | - | - |
| | *Wire from Main Electrical Distribution Panel:* | | | | |
| 3.2 | 3C1.5mm2 Cu Cable for Ceiling Lighting Point inside the ATM Room | No | 1 | - | - |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 | - | - |
| 3.4 | 3C1.5mm2 Cu Cable for Wall/Ceiling General Lighting Point outside ATM Room | No | 1 | - | - |
| 3.5 | 3C2.5mm2 Cu Cable for Power Point for Cleaning sockets inside the ATM Room | No | 1 | - | - |
| 3.6 | 3C4mm2 Cu Cable for Power Point for inverter 12000 btu ac | No | 1 | - | - |
| 3.7 | 3C4mm2 Cu Cable for Power Point for UPS IN Feeder 3kVA | No | 1 | - | - |
| 3.8 | 3C4mm2 Cu Cable from UPS OUT to UPS Distribution Panel | Lot | 1 | - | - |
| | *Wire from UPS Electrical Distribution Panel:* | | | | |
| 3.9 | Wiring to Data Cabinet | No | 1 | - | - |
| 3.10 | Wiring to Alarm and CCTV | No | 1 | - | - |
| 3.11 | Wiring to ATM Through The Wall (TTW) | No | 1 | - | - |
| | | | | | |
| 4 | Supply and install accessories with appropriate mechanism and back box inclusive of sundries for a working order system. | | | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 | - | - |
| 4.2 | 1 No Double 13A Sockets (2x13A) for Cleaning Socket inside ATM Room | No | 1 | - | - |
| 4.3 | 1 No DP Switch 20A for AC | No | 1 | - | - |
| 4.4 | 1 No Double French Sockets (2x16A) for Data Cabinet (UPS Sockets) | No | 1 | - | - |
| 4.5 | 1 No Double French Sockets (2x16A) for Alarm/CCTV (UPS Sockets) | No | 1 | - | - |
| 4.6 | 1 No French Socket (1x16A) for ATM TTW (UPS Socket) | No | 1 | - | - |
| | | | | | |
| 5 | Supply and install light fittings on site | | | | |
| 5.1 | Internal Lighting fixture fluorescent LED tube light 36W | No | 1 | | |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 1 | | |
| | | | | | |
| 6 | Allow a contingency sum for unforeseen works. | Lot | 1 | 15,000 | 15,000 |
| | | | | | |
| | **Sub-Total** | | | | - |
| | **ADD VAT 15%** | | | | |
| | **TOTAL - INCLUSIVE OF VAT** | | | | |

**VICTORIA URBAN TERMINAL - ZONE B**
**ELECTRICAL INSTALLATIONS**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|
| 1 | Supply, install, test and commission Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | | | | | |
| | 1 Main Isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A + 1 No Timer Digital | | | | |
| | | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | | | |
| | 1 Circuit Breaker 1P+N16A Spare | | | | |
| | | | | | |
| | 1 Circuit Breaker 2P 20A for Feeder UPS IN 3kVA | | | | |
| | | | | | |
| 2 | Supply, install, test and commission UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 | - | - |
| | | | | | |
| | 1 Main isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | | |
| | | | | | |
| | 1 RCBO 2P 16A (30mA) for Through The Wall ATM | | | | |
| | | | | | |
| 3 | Wiring and Cable Ways | | | | |
| | Supply, install, test and commission wiring inclusive of cable ways for the proper running of the M&E system. | | | | |
| 3.1 | Allow 3C6mm2 Cu Cable from isolator panel to feed Main Electrical Distribution Panel | Lot | 1 | - | - |
| | *Wire from Main Electrical Distribution Panel:* | | | | |
| 3.2 | 3C1.5mm2 Cu Cable for Ceiling Lighting Point inside the ATM Room | No | 1 | - | - |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 | - | - |
| 3.4 | 3C1.5mm2 Cu Cable for Wall/Ceiling General Lighting Point outside ATM Room | No | 1 | - | - |
| 3.5 | 3C2.5mm2 Cu Cable for Power Point for Cleaning sockets inside the ATM Room | No | 1 | - | - |
| 3.6 | 3C4mm2 Cu Cable for Power Point for inverter 12000 btu ac | No | 1 | - | - |
| 3.7 | 3C4mm2 Cu Cable for Power Point for UPS IN Feeder 3kVA | No | 1 | - | - |
| 3.8 | 3C4mm2 Cu Cable from UPS OUT to UPS Distribution Panel | Lot | 1 | - | - |
| | *Wire from UPS Electrical Distribution Panel:* | | | | |
| 3.9 | Wiring to Data Cabinet | No | 1 | - | - |
| 3.10 | Wiring to Alarm and CCTV | No | 1 | - | - |
| 3.11 | Wiring to ATM Through The Wall (TTW) | No | 1 | - | - |
| | | | | | |
| 4 | Supply and install accessories with appropriate mechanism and back box inclusive of sundries for a working order system. | | | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 | - | - |
| 4.2 | 1 No Double 13A Sockets (2x13A) for Cleaning Socket inside ATM Room | No | 1 | - | - |
| 4.3 | 1 No DP Switch 20A for AC | No | 1 | - | - |
| 4.4 | 1 No Double French Sockets (2x16A) for Data Cabinet (UPS Sockets) | No | 1 | - | - |
| 4.5 | 1 No Double French Sockets (2x16A) for Alarm/CCTV (UPS Sockets) | No | 1 | - | - |
| 4.6 | 1 No French Socket (1x16A) for ATM TTW (UPS Socket) | No | 1 | - | - |
| | | | | | |
| 5 | Supply and install light fittings on site | | | | |
| 5.1 | Internal Lighting fixture fluorescent LED tube light 36W | No | 1 | | |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 1 | | |
| | | | | | |
| 6 | Allow a contingency sum for unforeseen works. | Lot | 1 | 15,000 | 15,000 |
| | | | | | |
| | **Sub-Total** | | | | - |
| | **ADD VAT 15%** | | | | |
| | **TOTAL - INCLUSIVE OF VAT** | | | | |

## ELECTRICAL INSTALLATIONS - WINNERS ROCHES BRUNES (EXISTING ATM)

| ITEM | DESCRIPTION | | UNIT | QTY |
|---|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | | No | 1 |
| | | | | |
| | 1 Main isolator 2P 40A | | | |
| | 1 RCD 2P 25A (30mA) | 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| | | | | |
| 2 | Additional switchgears as listed below for existing main electrical distribution panel for the proper running of the ATMs. | | No | 1 |
| | | | | |
| | 1 RCD 2P 25A (30mA) - New | Lighting | | |
| | | CEB Raw Power | | |
| | | External Lighting | | |
| | | | | |
| | 1 RCD 2P 25A (30mA) - New | AC | | |
| | | Spare | | |
| | | | | |
| 3 | Wiring and Cable Ways | | | |
| | Wiring inclusive of cable ways for the proper running of the M&E system. | | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | | No | 2 |
| | *Wire from UPS Electrical Distribution Panel:* | | | |
| 3.5 | Wiring to Data Cabinet | | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | | No | 1 |
| | | | | |
| 4 | light fittings on site | | | |
| 4.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) - 40W | | No | 1 |
| 4.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | | No | 3 |
| 5 | Signage Works | | | |
| | Illuminated signage as per ID's intent overall size 1600 x 500 mm | | No | 1 |
| 6 | Air conditioning Unit | | | |
| | 18,000BTU wall type air conditioning works | | No | 1 |
| | | | | |

SBM

**ELECTRICAL INSTALLATIONS - WINNERS VACOAS (REUNION) (EXISTING ATM)**

| ITEM | DESCRIPTION | | UNIT | QTY | REMARKS |
|---|---|---|---|---|---|
| 1 | Supply, install, test and commission UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | | No | 1 | |
| | | | | | |
| | 1 Main isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) | 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | |
| | | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | |
| | | | | | |
| 2 | Supply, install, test and commission additional switchgears as listed below for existing main electrical distribution panel for the proper running of the ATMs. | | No | 1 | |
| | 1 Main Isolator 2P 63A | | | | |
| | 1 RCD 2P 25A (30mA) | 1 Circuit Breaker 1P+N10A for Lighting | | | |
| | | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | | |
| | | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | | |
| | | | | | |
| | 1 RCD 2P 25A (30mA) | 1 Circuit Breaker 1P+N20A for AC | | | |
| | | 1 Circuit Breaker 1P+N16A Spare | | | |
| | | | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | | | |
| | | | | | |
| 3 | Wiring and Cable Ways | | | | |
| | Supply, install, test and commission wiring inclusive of cable ways for the proper running of the M&E system. | | | | |
| 3.1 | Allow 3C4mm2 Cu Cable from existing main panel to feed UPS panel | | Lot | 1 | |
| | *Wire from Main Electrical Distribution Panel:* | | | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | | No | 2 | |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | | No | 1 | |
| | *Wire from UPS Electrical Distribution Panel:* | | | | |
| 3.5 | Allow to terminate Wiring to Data Cabinet | | No | 1 | |
| 3.6 | Wiring to terminate wiring to Alarm and CCTV | | No | 1 | |
| 3.7 | Wiring to terminate wiring to ATM Through The Wall (TTW) | | No | 1 | |
| | | | | | |
| 4 | Supply and install light fittings on site | | | | |
| 4.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) - 40W | | No | 1 | |
| 4.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | | No | 2 | |
| | | | | | |
| 5 | New AC 12kbtu Inverter Wall Split Type A++ Energy Rated c/w outdoor unit fully assembled unit with R410A Refrigerant. | | No | 1 | |
| | | | | | |
| 6 | Signage Works | | | | |
| | Illuminated signage overall size 1600 x 500 mm | | No | 1 | |

| ELECTRICAL INSTALLATIONS - WINNERS COROMANDEL (New ATM) | | | | | |
|---|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | | **UNIT** | **QTY** | **Remarks** |
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | | No | 1 | |
| | | | | | |
| | 1 Main isolator 2P 40A | | | | |
| | 1 RCD 2P 25A (30mA) | 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | | |
| | | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | | |
| | | | | | |
| 2 | Additional switchgears that will be used in existing main electrical distribution panel for the proper running of the ATM and other key electrical components. | | No | 1 | |
| | | | | | |
| | 1 RCD 2P 25A (30mA) New | 1 Circuit Breaker 1P+N20A for AC | | | |
| | | 1 Circuit Breaker 1P+N10A for Lighting | | | |
| | | | | | |
| | 1 RCD 2P 25A (30mA) New | 1 Circuit Breaker 1P+N10A for External Lighting | | | |
| | | | | | |
| | | | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | | | |
| | | | | | |
| 3 | Wiring and Cable Ways | | | | |
| | Wiring inclusive of cable ways for the proper running of the M&E system. | | | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | | Lot | 1 | |
| | *Wire from Main Electrical Distribution Panel:* | | | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | | No | 1 | |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | | No | 2 | |
| | | | | | |
| | *Wire from UPS Electrical Distribution Panel:* | | | | |
| 3.4 | Terminate Wiring to Data Cabinet | | No | 1 | |
| 3.5 | wiring to Alarm and CCTV | | No | 1 | |
| 3.6 | wiring to ATM Through The Wall (TTW) | | No | 1 | |
| | | | | | |
| 4 | light fittings on site | | | | |
| 4.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | | No | 1 | |
| 4.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | | No | 1 | |
| | | | | | |
| 5 | Cable management to existing wirings both within the ATM Room and outside the atm room for the external light fittings. | | Lot | 1 | |
| 6 | Projected illuminated signage of size 900 x 500 mm fixed on wall façade. | | No | 1.0 | |

## ELECTRICAL INSTALLATIONS - WINDSOR BEAU BASSIN (EXISTING ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 18,000btu wall type split air conditioning units | No | 1 |
| 7 | Signage Works | | |
| | Double mounted projected type illuminated signage overall size 900 x 500 mm fixed on wall façade | No | 1 |

## ELECTRICAL INSTALLATIONS - ALLEE BRILLIANT (EXISTING ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 18,000btu wall type split air conditioning units | No | 1 |
| 7 | Signage Works | | |
| | Double mounted projected type illuminated signage overall size 900 x 500 mm fixed on wall façade | No | 1 |

## ELECTRICAL INSTALLATIONS - AIRPORT (EXISTING ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 18,000btu wall type split air conditioning units | No | 1 |
| 7 | Signage Works | | |
| | Double mounted projected type illuminated signage overall size 900 x 500 mm fixed on wall façade | No | 1 |

## ELECTRICAL INSTALLATIONS - LOLO VALENTINA(EXISTING ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 18,000btu wall type split air conditioning units | No | 1 |
| 7 | Signage Works | | |
| | Double mounted projected type illuminated signage overall size 900 x 500 mm fixed on wall façade | No | 1 |

## ELECTRICAL INSTALLATIONS - BEAU PLAN MAHOGANY(EXISTING ATM)

| ITEM | DESCRIPTION | UNIT | QTY |
|---|---|---|---|
| 1 | UPS electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. UPS electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main isolator 2P 40A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N16A for UPS CCTV & Alarm System | | |
| | 1 Circuit Breaker 1P+N16A for UPS Data Cabinet | | |
| 2 | Main electrical distribution panel comprising of the switchgears listed below for the proper running of the ATMs. Main electrical distribution panel enclosure to have at least 10% Spare Capacity and well labelled. | No | 1 |
| | | | |
| | 1 Main Isolator 2P 63A | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N10A for Lighting | | |
| | 1 Circuit Breaker 1P+N16A for CEB Raw Power | | |
| | 1 Circuit Breaker 1P+N10A for External Lighting + Fuse 2A + 1 No Power Contactor 2P 16A +1 No Timer Digital | | |
| | | | |
| | 1 RCD 2P 25A (30mA) — 1 Circuit Breaker 1P+N20A for AC | | |
| | 1 Circuit Breaker 1P+N16A Spare | | |
| | | | |
| | 1 Circuit Breaker 2P 25A for Feeder UPS IN 3kVA | | |
| | | | |
| | | | |
| 3 | Wiring and Cable Ways | | |
| | wiring inclusive of cable ways for the proper running of the M&E system. | | |
| 3.1 | 3C4mm2 Cu Cable from existing main panel to feed UPS panel | Lot | 1 |
| | *Wire from Main Electrical Distribution Panel:* | | |
| 3.2 | 3C1.5mm2 Cu Cable for IP 55 Surface Mounted Light outside the ATM Room | No | 2 |
| 3.3 | 3C1.5mm2 Cu Cable for Wall Façade Signage Lighting Point outside ATM Room | No | 1 |
| 3.4 | 3C1.5mm2 Cu Cable for Wall Lighting Point inside ATM Room | No | 1 |
| | *Wire from UPS Electrical Distribution Panel:* | | |
| 3.5 | Wiring to Data Cabinet | No | 1 |
| 3.6 | Wiring to Alarm and CCTV | No | 1 |
| 3.7 | Wiring to ATM Through The Wall (TTW) | No | 1 |
| | | | |
| 4 | Accessories with appropriate mechanism and back box inclusive of sundries for a working | | |
| 4.1 | 1 No 1G1W Switch for Internal Light | No | 1 |
| | | | |
| 5 | light fittings on site | | |
| 5.1 | Internal Lighting fixture Led Fluorescent Light White (6000K) | No | 1 |
| 5.2 | Surface Mounted Circular IP 55 Ceiling/ Wall LED Light outside ATM Room 18W | No | 3 |
| 6 | Airconditioning Units | | |
| | 18,000btu wall type split air conditioning units | No | 1 |
| 7 | Signage Works | | |
| | Double mounted projected type illuminated signage overall size 900 x 500 mm fixed on wall façade | No | 1 |