

**LIST OF APPROVED MAKES OF MATERIAL FOR HVAC WORK**

| <b>S. No.</b> | <b>Material / Item</b>                               | <b>Make</b>                         |
|---------------|------------------------------------------------------|-------------------------------------|
| 1.            | Chilled Water Machine                                | Daikin / Carrier/ York /Dunham Bush |
| 2.            | Hot Water Generator                                  | Rapidcool/ Emrald / KEPL            |
| 3.            | Pumps ( primary, secondary& Condenser)               | Armstrong / Grundfos / ITT          |
| 4.            | Cooling Tower                                        | Nihon Spindle/ Baltimore / Evapco   |
| 5.            | Air Handling Unit (AHU)                              | VTs / System Air / Flaktwood        |
| 6.            | Cooling Coil                                         | VTs / System Air / Flaktwood        |
| 7.            | Hydronic cassette unit                               | Carrier/ Bhutoria / Midea           |
| 8.            | UVGI system                                          | Ruks-Kleanwave / UV Air / Alfa      |
| 9.            | EC Fan & Plug Fan for AHU                            | System Air / VTs / Kruger           |
| 10.           | Air filter                                           | Mechmaark / Pyramid / Thermodyne    |
| 11.           | Electrostatic Filter                                 | Cleair / Kleanwave / Zeco Pureair   |
| 12.           | Variable Frequency Drive (VFD)                       | Danfoss / Siemens / LG              |
| 13.           | Exhaust Fan Section                                  | Kruger / Zeco Aircon / Balance Air  |
| 14.           | Ventilation Fan (Centrifugal / Axial)                | Kruger / System Air / Greenheck     |
| 15.           | Inline Fan                                           | Sphere / Kruger / Pineair           |
| 16.           | Propeller Fan                                        | Marathon / Khaitan / GEC            |
| 17.           | MS Pipe                                              | TATA / SAIL / Jindal (Hissar)       |
| 18.           | GI Pipe                                              | TATA / SAIL / Jindal (Hissar)       |
| 19.           | PUF Pipe Support                                     | Malanpur / Lloyd / Best Puf         |
| 20.           | Pressurized Expansion Tank & Air Separator           | Grundfos / ITT /Anergy              |
| 21.           | Butterfly Valve                                      | Advance / Audco/ Honeywell          |
| 22.           | Balancing Valve                                      | Advance / Audco/ Honeywell          |
| 23.           | Check Valve                                          | Advance / Audco/ Honeywell          |
| 24.           | Y – Strainer                                         | Rapidcool / Emerald /Castle         |
| 25.           | Pot Strainer                                         | Sant / Rapidcool / Emerald          |
| 26.           | PIBC Control Valve with Actuator, Motor & Thermostat | Danfoss / Siemens / Oventrop        |
| 27.           | Motorized Butterfly Valve                            | Advance / Danfoss / Zoloto          |

| S. No. | Material / Item                                   | Make                                                                                          |
|--------|---------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 28.    | Ball valve with & without strainer                | Audco / Castle / Betaflo                                                                      |
| 29.    | Thermometer / Pressure Gauge                      | Emerald / H-Guru / Anergy                                                                     |
| 30.    | Test Point                                        | Anergy / Rapidcool / Emerald                                                                  |
| 31.    | Flow Switch                                       | Siemens / Anergy / Honeywell                                                                  |
| 32.    | Flexible Pipe Connection                          | Resitoflex / Dunlop / Easyflex                                                                |
| 33.    | Auto Air Vent with Stop Valve                     | Anergy / Rapidcool / Emerald                                                                  |
| 34.    | Factory Fabricated Duct                           | ZecoAircon / Ductofab / Rolastar                                                              |
| 35.    | Flexible Duct                                     | Sphere / ATCO / U.P.Twiga                                                                     |
| 36.    | G.I. Sheet                                        | Jindal / TATA / Nippon / SAIL                                                                 |
| 37.    | Demand Ventilation Equipment                      | Kleanwave / Cynor / Pineair                                                                   |
| 38.    | CO Sensor / CO <sub>2</sub> Sensor                | Honeywell / Seimens / MSR                                                                     |
| 39.    | Modulating Motor                                  | Danfoss / Honeywell / Siemens                                                                 |
| 40.    | Fire Damper (UL Listed)                           | System Air / Ruskin / Trox                                                                    |
| 41.    | Actuator for Fire Damper                          | Siemens / Honeywell / Danfoss                                                                 |
| 42.    | Volume Control Damper, Fresh / Exhaust air louver | Pineair / System Air / Conaire/ Caryaire                                                      |
| 43.    | Grilles/ Diffuser                                 | Pineair / Greenair / Servex / Caryaire                                                        |
| 44.    | Nitrile rubber insulation                         | Armacell / Aflex / Supreme                                                                    |
| 45.    | Acoustic Insulation for Duct                      | UP Twiga/Owens conning                                                                        |
| 46.    | Fastener                                          | Hilti /Wurth / Fisher                                                                         |
| 47.    | Electrical Panel                                  | Tricolite / System Power Control / KEPL/ Adlec                                                |
| 48.    | Motor for AHU Fan                                 | Siemens / ABB / Crompton                                                                      |
| 49.    | Motor for Ventilation Fan                         | Siemens / ABB / Crompton                                                                      |
| 50.    | Starter                                           | Siemens / Schneider                                                                           |
| 51.    | Single Phase Preventer                            | Minilec / EAP, Bangalore                                                                      |
| 52.    | Current Transformer (Cast Resin)                  | AE / L&T / Kappa                                                                              |
| 53.    | Switch / Fuse Unit / HRC Fuse                     | L&T / Siemens / ABB                                                                           |
| 54.    | MCCB                                              | ABB(T-Max) / Siemens (Sentron-VL) / Merlin Gerin (Compact) / L&T (DNX Series) / Legrand (DPX) |
| 55.    | MCB                                               | Legrand (Lexic) / L&T (Hager) / Siemens (Betagard) / Schneider (Multi9) / ABB (S 270)         |

|     |                                                |                                                                        |
|-----|------------------------------------------------|------------------------------------------------------------------------|
| 56. | ACB ( with microprocessor release)             | Schneider-MVS / Siemens-3WL / L&T-U-power Omega / ABB-Emax             |
| 57. | Ammeter / Voltmeter (Digital Type)             | AE / L&T / Crompton Greaves/Siemens/Conserve                           |
| 58. | LED Indicating Lamp / Push Button              | Siemens / GE power / ABB / L&T / Schneider Electric                    |
| 59. | Selector Switch                                | AE / L&T / Kaycee                                                      |
| 60. | Relay / Timer / Contactor/Starter/ Push Button | Siemens / L&T / Schneider Electric / ABB / BIL                         |
| 61. | Power Cable                                    | Worldcab / Skytone / Polycab                                           |
| 62. | Termination Kit                                | Raychem / Densons / Xicon / ABB                                        |
| 63. | Perforated Cable Tray                          | B.E.C. / Apex / Indiana/ Steelway / OBO                                |
| 64. | Cable Gland                                    | Commet / Gripwel / Dowell / Raychem                                    |
| 65. | Solder less Lug                                | Dowell / Schneider Electric / Jainsons, Mumbai                         |
| 66. | Panel builder                                  | Dhillon Fabrications & Engineers/ Krypton Power control /Risha Control |
| 67. | Raceway and cable tray                         | MEM/ Indiana/BEC                                                       |