

# Mechanical and Electrical Specification

Main Feeder	Dry-type transformers: 8,950 kilovolt-amps (8.95 megavolt-amps)
Electrical Loading	Energize High Voltage 24 kilovolts (power distribution through meter 4,500 amps 24,000 volts/feeder) by MEA
Generator	Capacity 330 kilovolt-amps (500 - 600 amps 3 phases) supply power to emergency light which connected circuit through automatic transfer switch, supply 30% of light illuminance
Floor Pit	<p>Total power load for booths is 4,500 amps 3 phases</p> <ul style="list-style-type: none"> <li>• 55 floor pits total. Each is at every 9.60 x 9.60 meters (31.49 x 31.49 feet) on the grid               <ul style="list-style-type: none"> <li>198 Nos. 15 amps 1 phase</li> <li>99 Nos. 30 amps 1 phase</li> <li>99 Nos. 30 amps 3 phases</li> <li>33 Nos. 60 amps 3 phases</li> <li>16 Nos. 100 amps 3 phases</li> <li>1 Nos. 200 amps 3 phases</li> </ul> </li> <li>• Electrical load center consists of 22 sets of load center 100 amps 3 phases and 11 sets of load center 200 amps 3 phases</li> <li>• 11 sets of telephone supply boxes (Each has 20 pairs)</li> <li>• 15 units of cold water and drainage (Each consists of control valve Ø ¾" and drain pipe Ø 3")</li> </ul>
Air Conditioning System Exhibition Hall (Level 2) Concourse Sapphire 201 - 206 Grand Diamond Ballroom Corridor Main Entrance	Water-cooled chilled water air conditioning system (Maximum capacity of 1,800 tons) <ul style="list-style-type: none"> <li>948 tons</li> <li>208 tons</li> <li>246 tons</li> <li>168 tons</li> <li>46 tons</li> <li>64 tons</li> </ul>
Compressed Air	Available to all booths upon request via booth pits
Water Supply	Cold water tank 650 cubic meters (maximum of 1-day stand by) Pressure 40 – 60 pounds Direct Connection is available
Drainage Point	Direct Connection is available
Lighting System	Metal Halide Lamp 400 watts, High Bay type, Par 300 watts, Par 120 watts in ceiling for meeting room with 300 luxes average illuminance