

Hall 5-8 Mechanical and Electrical Specification

Main Feeder	Energize high voltage 24 kilovolts 2 feeders (power distribution through meter 4,500 Amps 24,000 volts/feeder) by Metropolitan Electricity Authority
Electrical Loading	Dry-type transformers: 6,400 kilovolt-Amps (6.40 megavolt-Amps)
Generator	Capacity 2 x 1,250 kilovolt-Amps (2 x 2,000 Amps 3 phases) supply power to emergency light connected circuit through automatic transfer switch, supply 30% of light illuminance
Floor Pit	<p>Total power load for booths is 6,400 Amps 3 phases</p> <ul style="list-style-type: none"> • 253 floor pits total. Each is at every 6.00 x 6.00 m. (19.68 x 19.68 ft.) on the grid <ul style="list-style-type: none"> 759 Units of 32 Amps 1 phase 253 Units of 32 Amps 3 phases 96 Units of 60 Amps 3 phases 64 Units of 100 Amps 3 phases 32 Units of 200 Amps 3 phases • Standard power pit consists of 16 Amps 1 phase; 32 Amps 1 phase; 32 amps 3 phases each • Standard telephone pit consists of 4/C and 0.50 millimeter each • Standard cold water and drainage pit (Each consist of control valve Ø½" and drain pipe Ø3")
Air Conditioning System Exhibition Area Lobby	<p>Water-cooled chilled water air conditioning system with maximum cooling capacity 2,250 tons of refrigeration</p> <p>Packaged water-cooled air conditioning system with maximum cooling capacity 300 tons of refrigerators distribution of AHU</p>
Compressed Air	Available to all booths upon request
Water Supply	<p>Cold water tank 1,050 cubic meters (maximum of 1-day stand by)</p> <p>Pressure 40 – 60 pounds</p> <p>Direct connection available to all booths (Typical Booth Layout)</p>
Drainage Point	Direct connection available to all booths (Typical Booth Layout)
Lighting System	LED High Bay 240 watts , with 300 luxes average illuminance
Broadcasting and Communication	<p>Cat5E cable with RJ-45 modular jack</p> <p>Connected to data/voice equipment rack</p>
Ventilation	Maximum up to 16 centrifugal fans
Fire Protection System	Fire sprinkler system, fire hose cabinet, fire extinguisher and fire alarm bell with manual station