

Mechanical and Electrical Specification

Main Feeder	Energize high voltage 24 Kilovolts 2 feeders (power distribution through meter 4,500 Amps 24,000 volts/feeder)
Electrical Loading	Dry-Type transformers: 13,900 Kilovolt-Amps (13.90 Megavolt-Amps)
Generator	Capacity 2 x 350 Kilovolt-Amps (2 x 600 Amps 3 Phases) supply power to emergency light connected circuit through automatic transfer switch, supply 30% of light illuminance
Distribution Board	Total electrical load for exhibition booth is 5,000 Amps 3 Phases Total number of set of distribution boards: 52 sets (26 sets at the front and 26 sets at the back)
Service Trench	26 Full-Length hall trenches at 9 meters spacing (allowing direct access to typical booth layout)
Air conditioning system	Packaged water-cooled air conditioning system with maximum cooling capacity 2,600 tons of refrigerators distribution of air handling unit Hall 9-10 (46 sets) 1,078 tons Hall 11-12 (48 sets) 1,078 tons
Compressed Air	Available to all booth upon request via service trenches
Water Supply	Cold water tank 500 cubic meters (maximum of 1-day standby) pressure 40-60 pounds direct connection available to 33% of all booths (typical booth layout)
Drainage point	Direct connection available to 33% of all booths (typical booth layout)
Lighting System	LED High Bay 420 watts , LED High Bay 180 watts , with 300 luxes average
Broadcasting and Communication	Cat5E cable with RJ-45 modular jack Connected to data/ voice equipment rack
Ventilation	Maximum up 4 air changes/hour 36 roof ventilation and 16 centrifugal fans
Fire Protection System	Fire sprinkler system, fire house cabinet, fire extinguisher and fire alarm bell with manual station
PA System	<ul style="list-style-type: none"> - Paging and announcement system (Exhibition and Lobby Area) - Emergency line support
Security	Surveillance system