



CapitaLand DC ITPB, Bangalore

42 MW

CapitaLand Data Centre Bangalore 1 will be situated within International Tech Park Bangalore (ITPB) located in Whitefield, Bangalore.

We have adopted sustainable design principles and green building standards with the aim to achieve LEED Gold certification. The data centre will include features such as high efficiency chillers and water economization, intelligent energy and infrastructure management and solar panels.

ITPB is one of the first integrated IT parks in India spread over 69 acres with several multinational corporations as its tenants.

Location	<ul style="list-style-type: none"> Whitefield, Bangalore, India
Facility	<ul style="list-style-type: none"> 1 data centre building 42 MW power capacity 12 data halls
Data Halls	<ul style="list-style-type: none"> IT power capacity per data hall - 2.0MW and 2.5MW DC Hall floor loading – 2,000 kg / sq mt Slab-to-slab height - 7.3 metres Rack height - up to 52U Rack capacity - 4,500 nos. Option for hard or raised floor of up to 1.0 metre Dedicated clean earth for IT racks
Security and Monitoring	<ul style="list-style-type: none"> 3 metres perimeter walls Min. 7-layers security system 24/7 onsite security personnel CCTV surveillance with intrusion detection Min. 60 days of recorded footage 24/7 NOC monitoring critical infrastructure
IT Power Capacity	<ul style="list-style-type: none"> N+N redundant UPS for IT load with 8 minutes EOL battery backup at full load per UPS Dual power distribution with option for single or 3 phase power source per rack as per requirement
Cooling	<ul style="list-style-type: none"> N+2 redundant air-cooled chillers N+2 redundant CRAC units per data hall Dedicated UPS system for CRACs and chiller pumps 7 minutes backup for thermal runaway at full load Option for hot/cold aisle containment Option for liquid cooling
Utility Power and Generators	<ul style="list-style-type: none"> N+1 power backup with dual sync panel Fuel backup - up to 48 hours on site
Connectivity	<ul style="list-style-type: none"> Carrier neutral 4 diversified fiber entry points and routes 2 MMR per DC floor 2 dedicated data shafts
Fire Protection	<ul style="list-style-type: none"> Inergen gas-based fire suppression system in all data halls and technical support rooms UL listed intelligent multi-sensor detectors and addressable fire alarm panels VESDA at data halls and technical support rooms
Logistics	<ul style="list-style-type: none"> 2 x 4 tons service elevators along with scissor lifts at dedicated loading bay Full rack height for elevators, doors and corridors Secure loading bays Shared and dedicated staging and storage Shared seating, dedicated office space and meeting rooms