

NIRLON		KNOWLEDGE PARK	
Particulars of Phase I Development of IT Park Project			
Space	Phase 1		810000 Sq. Ft
	Block B 1		230000 Sq. Ft
	Block B 2		270000 Sq. Ft
	Block B 3		310000 Sq. Ft
	Phase 2		340000 Sq. Ft
	Block B 7		340000 Sq. Ft
Configuration	Block B 1		2B+G +7F
	Block B 2		2B+G +8F
	Block B 3		2B+G +9F
	Block B 7		2B+G +8F
Designation for Floors	<i>for B1, B2 & B3</i>		
	2 Basements		Car Parking
	Ground Floor		Entrance Lobby, Common amenities, Services, Unloading dock, Parking & Utilities.
<i>(B=basements; G=Ground Floor; F = higher Floors)</i>			
	Higher Floors		Office use
	<i>for B7</i>		
	2 Basements		Car Parking
	Ground Floor		Entrance Lobby, Common amenities, Services, Unloading dock & Utilities.
	Higher Floors		Office use
Slab to Slab Height	Basements:		3.5 Metres
	Ground Floor *		4.2 Metres
	Higher Floors		4.2 Metres
	<i>* GF of B 7 in 2 levels</i>		
Recommended Distance	True to False Ceiling	<i>max</i>	750 mm
	Slab levelling screed	<i>max</i>	75 mm
	Raised Floor (only in Office areas as permitted)	<i>max</i>	300 mm
Floor Live Load	AHU areas(designated)		600 kgs/sq M
	Critical		1000 kgs/sq M
	General Areas		400 kgs/sq M
Minimum Passage	Width any area		1150 mm

Toilets	Gentlemen		One Cluster per floor	
<i>(as per MCGM Approval Norms)</i>	Ladies		One Cluster per floor	
	Special Abilities		One HWC per floor	
FireEscapes & Stairs	Staircases		Four per floor (1 / 2 shared with adjoining block in case of B1, B2 & B3)	
Fire Refuge Space	Floor		6th	
	PARKING & UTILITIES BLOCK (MLCP 1)			
Space designation	Lower Basement		Utilities/TSS	
	Upper Basement		Two Wheeler parking	
	Ground Floor		Utilities/DG Sets & Elect. Panels	
	Floors First to Ninth		Car Parking	
	Terrace		Utilities/Chillers	
Elevators - Office Blocks:	Passenger			6 per block
			(ground to topmost floor)	
	Specs:(each)		20 pax (1360 kgs) with speed of 2.5 M /sec	
	Service			2 per block
			(lower basement to topmost floor)	
	Specs:(each)		1600 kgs freight lift with speed of 1.75 M /sec	
	Features		Auto recall	
			Braille & audio enabled	
			Auto Rescue device	
Elevators - Utility& MLCP Block:	Service		4	in MLCP-I
	Specs:(each)		700 kgs service cum passenger lifts with speed of 1.75 M /sec	
Power	Supply Provider:		Reliance Energy Ltd (REL)	
			(as per MERC guidelines)	
	HT / LT		available from REL	
	Metering		Floorwise / Consumerwise	
	Cabling , Infrastructure & load assumption		for 0.90 kva per 100 sq ft carpet area (assuming 60W/SqM for Office area	

			(upgradation at Client cost)	
	DG Power		as per Client connected load	
	Distribution		Cabling and / or rising mains	
	DG Configuration		7x 2mva DG sets for Common services & Client loads including HVAC pumps	
			(DGs are configured for Blocks B1, B2, B3 & B7)	
	Fuel Storage		2 x 15 kl licensed underground storage tanks serving 8 x 2mva DGs	
HVAC	High Side		350TR 9 nos. Air-cooled Screw Chillers with TSS backup.	
			Primary & Secondary chilled water pumps.	
	Supplemental	For Peak loads & back up	11000 TRHr Capacity Thermal Energy Storage System, recharged during off peak periods	
	Low Side		Client scope & costs	
			Specified AHUs with Heat Recovery Wheels	
Security			24 x 7 Manual Patrolling & CCTV for Complex & common areas	
Communication			Intercom & EPABX for Utilities, Services & common areas	
			PA system for emergency, announcements	
			Visual Displays & Signages	
Access Control	Vehicles		at Park level by Stickers	
			at Parking areas by boom barriers	
	Pedestrian		Access control for each block & service areas	
			Floor access control by client	
Sewage Treatment Plant			810 cum/day	(for all phases)
			Reuse water for Gardening, Flushing etc.	
Rain Water Harvesting			By percolation pits & wells	

Solid Waste Management	Bio - degradableables		treated in Organic Waste Convertor	
	Inerts		Disposal through authorized agency	
	Hazardous waste		Disposal through authorized agency	
	Recyclables		Licensee responsibility	
	E-Wastes		Licensee responsibility	
Fire Control / Suppression				
	Sprinklers		Wet sprinklers in common areas & basements.	
	Fire Extinguisher		Portable extinguisher & Carbon Dioxide type for strategic locations in common area	
	Fire Hydrant		External hydrants provided along the building periphery with Fire Brigade inlet connection.	Fire Pumps: 1 NFPA compliant 2850 LPM diesel driven positive suction fire water pump along with 1 Electric Fire Pump of same capacity, backed by DG power. Supported by booster pumps
			Internal hydrants provided with flexible hoses at all landings.	
	Smoke & Heat detectors		Connected to IBMS system.	
Fire Alarm			Analog addressable Fire Alarm System	
Water Supply	Fire		200000 Litres	underground
			7nos. X 30000 Litres	overhead storage
	Domestic		210000 Litres	
	Flushing		Borewell & reuse water	
			Cap: 262500 Litres	
	Irrigation		Borewell & reuse water for drip irrigation	
LEEDs (Green Building) Compliance				
	Lighting uniformity		As per IESNA	
	Lighting efficiency		T5 / CFL	
	Light fittings with electronic ballasts		less than 10% THA	

	Sustainable site planning			
	Safeguarding water and water efficiency			
	Conservation of materials & resources			
Structural				
	Floor Slabs		Post Tensioned Flat Slabs	
	Super Structure		Monolithic Framed RCC Structure	
	MLCP1		14m long post tensioned beams with post tension slab.	
	Wind Pressure		120 kg/sq M	
	Earthquake Load		Seismic Zone 3 Standards as per IS - 1893 - 2002	
Wiring				
	IS:732		IEE Regulation	
	Conduits		in PVC conduits and through RCC shafts	
Illumination				
	Substation & utility areas		150 to 250 Lux	
	Parking		70 - 100 Lux	
	Stores		100 - 150 lux	
	Corridors, Lobbies		70 - 100 Lux	
	Office area		350 Lux	
Sewage Treatment	Latest MBR Technology		Water reuse for Flushing, Irrigation & Cooling Tower needs	