

| | Information | Guidance Notes |
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| Company Name | | TALENS CC Properties (Pty)Ltd |
| Contact Information | | |
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| Facility Information | | A large Nodal Office Park incorporating a Data Centre Complex |
| Facility Address | | Kuils River, Cape Town. South Africa |
| Building Overview | | Data Centre Complex with 3 separate Data Centres or 1 larger Data Centre with additional Office space on other floor levels for operators and customer use. |
| Sizes | | |
| Size of site in hectares | | 3.6 ha |
| Gross Building Size Total Nodal Development | | 72 000 Sq m |
| Gross Data Centre Complex Building Size Total Data Centre Complex | | 8 400 Sq m |
| Gross Data Centre Complex Building Size Data Centre A | | 3 800 Sq m |
| Data Centre A TCI Tier Specifications | | Tier 3 |

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| Max Net Technical | <p>Phase 1</p> <ul style="list-style-type: none"> -- 520m² Data Centre rack space -- 100m² Carrier Hotel -- 80m² NOC -- 400m² Energy Centre -- 300m² Entrance, Security, Staging and Storage <p>Phase 2</p> <ul style="list-style-type: none"> -- 650m² Data Centre rack space -- 50m² Staging and Storage | Data Centre A (DCA) |
| Availability Fully Fitted | Phase 1 | 1400 Sq m |
| Availability Shell & Core | Rackable Space Phase 1 | 520 Sq m |
| Power | | |
| Power Supplier | ESKOM Current MVA to site | 3 MVA |
| MVA to Site (Current) | DCA Phase 1 & Phase 2 Eskom 3 MVA HT ring power feed to 3 MVA transformer | - Comprehensive Power monitoring and recording from HT down to cabinet level |
| MVA to Site (Max planned) | | 25 MVA |
| Power to Floor (per sq m) | 3kVA Per cabinet | <ul style="list-style-type: none"> - Power cascaded down to row end A/B distribution boards - All racks supplied with A & B power feeds - Rack PDU's manage power down to socket level via remote WEB interface |
| UPS Systems | Four 550kVA online UPS systems in a 2N+1 configuration | UPS systems are modular 825kVA units to provide 2N+1 redundancy |
| Generator Capacity | Four 1.5mVA diesel generators provide 2N backup power to DC all areas | |
| Diesel on site | On site (Physically separated from DC and Plant Room areas) diesel fuel provided to run the diesel generators for in excess of 72 hours at full load. | 60 000 Liters diesel in two separate tanks with emergency access to another 30 000 liters tank. Consumption Metered and diesel is circulated |
| Additional Diesel Tank in Energy Centre | Tank with stand by diesel | 2000 liter |
| Cooling | | |

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| Density to floor (per sq m) | - Total 1,782kW in DC Phase 1 & 2 and Carrier Hotel | <ul style="list-style-type: none"> - Multiple DUAL CIRCUIT CRAC units in all areas - CRAC's configured to N+1 in all areas - Cold Aisle containment implemented in all areas - Highly filtered positive pressure system ensures a dust and contaminant free environment |
| Relative Humidity | Humidity controlled at 50% +/-5% | - Temperature and humidity separately monitored in all areas and voids |
| Environmental Temperature | Temperature controlled at 23°C +/- 4°C | - Temperature and humidity separately monitored in all areas and voids |
| Carriers within the local area | Carrier Hotel provided in DC Phase 1 & 2 to accommodate all SA carriers | Neotel SA (Tata Communications), Telkom SA, Dark Fibre Africa, City of Cape Town Metro Fibre Network access |
| Fibre Capacity and Speed | DC access to all major network operators resident within the Carrier Hotel | 10 Gb/s upgradeable to 100GB/s redundant network supply to Tier 3 specifications |
| Tenure | | Lease, outright freehold/sectional title purchase option available |
| | | Generally 10 to 15 Lease periods, negotiable |
| Additional Information | | |
| Raised Floor | Solid Feel Snap-Loc stringer system raised to 800mm in all areas of DC Phase 1 & 2 | <ul style="list-style-type: none"> - Pressed steel type floor panels with light weight cement filler in the cavity. - The 600 x 600 fully interchangeable panel is mounted on an adjustable steel under structure consisting of adjustable pedestals with heads and stringers. - All bases are fixed to the slab |
| Floor Covering | Anti-static high pressure scratch resistant laminate | - The surface of the panel is clad with a high pressure grey starlight scratch resistant laminate with beveled edges. |
| Cable Tray System | Separate Power, UTP and Fibre wire ways (galvanized) provided to all areas of the DC | |

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| Security | Comprehensive perimeter and building access control and surveillance with intruder detection monitored by 24/7 manned onsite security control room | <ul style="list-style-type: none"> - Pre-authorization of all visitors and service personnel required for entry into the DC and Plant Room areas. - Pre-authorized visitor identification confirmed visually and by biometric fingerprint - Plant room areas physically separate from Data Centre - Access to cold aisle restricted by biometric reader conformation - 24/7 video surveillance of all zones and cabinets - All of the above backed up by comprehensive audit logs and recordings |
| BMS system | Comprehensive BMS system with 24/7 real time monitoring of all Power and Air Conditioning plant in all areas | |
| Fire Protection | Comprehensive Fire Detection and Prevention system with 24/7 real time monitoring of all areas | <ul style="list-style-type: none"> - Very Early Smoke Detection Alarm (VESDA) system provided in all areas of the facility - “Double Nok” Addressable detection prevention system installed in the Data Centre, Energy Centre and Plant Rooms. - All voids monitored and protected by gaseous suppressant agent – Under Floor, Room and Ceiling |
| Racks | 600 x 1,200 19” 43U equipment racks allowing adequate space for access, wiring and air flow. | <ul style="list-style-type: none"> - 1,200 Wide corridors allows for adequate access to equipment racks from both Cold and Hot aisles - Unique locks to all cabinets ensure that only approved personnel have access - Perforated front and back doors allows for unrestricted (86%) air flow through the cabinets |
| Rack Capacity | Total - 660 Racks. | 660 Racks |
| Office Space | | - Generally can accommodate 2 to 3 floors of office space above DCs. |