

GUIDELINES FOR THE DESIGN SUPPLY, AND INSTALLATION OF AN ELECTRONIC SURVEILLANCE AND ACCESS CONTROL SYSTEM AT THE DEPARTMENT OF MINERAL PETROLEUM RESOURCES RUSTENBURG REGIONAL OFFICE.

1. The installation will include the following critical infrastructure:

	Item description	Quantity
1	High-Definition IP Dome cameras (4K)	15
2	High-Definition IP Bullet cameras (4MP)	03
3	High-Definition IP Fisheye cameras (4MP)	01
4	Network Video Recorder/s (16 Channel NVR 6TB HDD)	02
5	40-inch LED surveillance monitors	02
6	Access controlled doors to be equipped with <u>biometric readers</u> (reader in and reader out) with full POE compatibility, magnetic lock sets, door closers, emergency break-glass exit units, door status monitors, etc.	04 Doors
7	Access controlled doors to be equipped with <u>biometric reader in</u> and <u>button out</u> (no touch button). with full POE compatibility, magnetic lock sets, door closers, emergency break-glass exit units, door status monitors, etc.	02 doors
8	Electronic Equipment for Emergency doors to be equipped with magnetic locks, door closers, emergency break-glass exit units, sound bombs, door status monitors, etc. (Doors are already installed)	05 doors
9	4U Server Rack	01
10	Mifare DESfire EV2/EV3 Cards	100
11	Access Card Printer compatible with the Access Control Solution including Access Cards to be supplied	01
12	Card Reader (For Mifare DESfire EV2/EV3 Cards enrollment)	01
13	Manual Override Key Switch	01

14	Client PC (Operators' workstation) 17" LED monitor, Gen10 2.3GHz 16-cores, 32 GB upgradable, 1TB Storage pre-installed with Windows 2016 Operating System, Surveillance software with license and a licensed MacAfee anti-virus	01
15	Client PC (Access Control/Security Administrator's workstation) 19-inch LED monitor, i7, 16GB upgradable with 1TB HDD, pre-installed with Windows 10 Operating System, Access Control and Surveillance software with license (cards and biometric) and a licensed MacAfee anti-virus.	01
16	Un-interrupted Power Supply (UPS) - the system shall have back-up power which can run for at least 120 minutes in case of power failure.	01
17	Emergency Exit Push Bar	05

NB:

- The rest of the equipment/components/units/accessories and other sundries required or necessary for delivering a complete and functional integrated Surveillance and Access Control system will be determined, supplied and installed according to the design architecture and Manufacturer's standards.
- ALL network and electrical cabling will be supplied and installed in compliance with relevant standards, i.e Pure Copper CAT 6 cable, Mylar Shielded Cable.
- The system will run on its own dedicated network that must be designed and installed by the successful service provider; it will NOT be integrated into the Department's IT infrastructure.
- An architectural network design of the of the system should be provided with all the information such as, IP addresses, Floors, card readers, CCTV

surveillance cameras and all other equipment to be installed to be indicated on the design plan.