Eskom Gauteng Cluster Video Management System							
Item	reference Doc	Description	Comments	UoM	Quantit	Rate	Total
VMS Software & Hardware							
1.1	240-91190304	Design a scalable, intelligent enterprise VMS System with software, Hardware, cabinets and all peripherals in accordance to Eskom Standards and as per scope of works. VMS servers should be able to store recording for atleast 30 days. The design shall incorporate detailed Cyber Security Protection measures that will enable adequate protection to OT and IT infrastructure		each	1		
1.2	240-91190304	Supply & Present detail design with presentations, documents, drawings for OT/IT governance approval		each	1		
1.3	240-91190304	Supply a scalable, intelligent enterprise VMS System with software, Hardware, cabinets and all peripherals in accordance to Eskom Standards and as per scope of works. VMS servers should be able to store recording for atleast 30 days		each	1		
1.4	240-91190304	Install a scalable, intelligent enterprise VMS System with software, Hardware, cabinets and all peripherals in accordance to Eskom Standards and as per scope of works to ensure a complete VMS operating system is implemented. VMS servers should be able to store recording for atleast 30 days.		each	1		
1.5	240-91190304	Supply, wire & Install DMZ(with Firewalls) in accordance to Eskom's specs		each	2		
1.6		Supply & Install DMZ switches		each	2		
Video Wall							
2.1	240-91190304 & EPSUIP-606253	Design a Video Wall(including screens, cabling, frame and cooling) as per Eskom Standards		each	1		
2.2	240-91190304 & EPSUIP-606253	Supply a Video Wall(including screens, cabling, frame, cooling,etc) as per Eskom Standards		each	1		

2.3	240-91190304 & EPSUIP-606253	Install a Video Wall(including screens, cabling, frame and cooling,etc) as per Eskom Standards		each	1		
		Existing VMS					
3.1	240-91190304	Relocate existing VMS including hardware & Screens from Eskom Simmerpan		each	1		
3.2	240-91190304	Install existing VMS including all Hardware at the new Alpha Control Server room at EAL		each	1		
		Commissioning & Testing of VMS System					
4.1	240-91190304	Commission and test new VMS System		each	1		
4.2	240-91190304	Commission and Test integration of existing VMS with new VMS at EAL		each	1		
		Server Room					
5.1	240-91190304	Design the server room in accordance to Eskom Standards and SANS Standards including the fire suppression,electrical works, extraction, cooling, cabling, biometric access, cameras, etc		each	1		
5.2	240-91190304	Supply all equipment and material for the fire suppression,electrical works, extraction, cooling, cabling, biometric access, cameras, etc.		each	1		
5.3	240-91190304	Install the fire suppression,electrical works, extraction, cooling, cabling, biometric access, cameras, etc		each	1		
5.4	240-91190304	Demolish partitioning between two walls, close of one access door to the new server room by installing drywalling.		each	1		
5.5	240-91190304	Supply and install anti-static flooring for the server room.		each	1		
		UPS					
6.1	240-91190304; 240-118870219	Design a UPS system, including batteries, in accordance to Eskom Standards to supply the control room, including emergency lighting, and server room to ensure continuity of supply.		each	1		

6.2	240-91190304; 240-118870219	Supply a UPS system, together with batteries, in accordance to Eskom Standards to supply the control room and server room to ensure continuity of supply.		each	1		
6.3	240-91190304; 240-118870219	Install a UPS system, together with batteries, in accordance to Eskom Standards to supply the control room and server room to ensure continuity of supply.		each	1		
		Control Room					
7.1	240-91190304	Design the Biometric access for all doors into the control room and video camera's for the control room.					
7.2	240-91190304	Supply Biometric access and video camera's		each	1		
7.3	240-91190304	Install Biometric access and video camera's in the control room		each	1		
7.4	240-91190304	Supply all furniture as per proposed layout in accordance to Eskom's standards		each	1		
7.5	240-91190304	Install Furniture in accordance to Eskom requirements		each	1		
7.6	240-91190304	Supply all cabling, including electrical cabling.		each	1		
7.7	240-91190304	Install all cabling, including electrical cabling, to all equipment to ensure a fully wired and complete VMS System.		each	1		
7.8	240-91190304	Close off access to kitchen by supplying and installing drywalling		each	1		
7.9	240-91190304	Replace the double doors with secure doors.		each	1		
		CCTV Surveillance System with Artificial Intelligence Capabilities- POC					
8.1	240-91190304; 240-86738968	Design CCTV surveillence system for a Substations Site. NVR at station should be able to store atleast 30 days of footage		each	4		
8.2	240-91190304; 240-86738968	Supply CCTV surveillence system for Substation site		each	4		
8.3	240-91190304; 240-86738968	Install CCTV surveillence systems for Substation Site		each	4		
8.4	240-91190304; 240-86738968	Test & Commission the CCTV systems sites to the Regional Control Centre		each	4		

		Warrantee & Training					
9.1	240-91190304	Fixed once of Licence for VMS system and camera's		each	1		
9.2	240-91190304	3 year replacement warrantee on all equipment		each	1		
9.3	240-91190304	3 year maintenance contract on all equipment		each	1		
9.4	240-91190304	Training on the design, installation, maintenance, diagnostics, repairs and functioning of system over a period of 1 year on an ad-hoc basis		each	1		