

PART 4: BILLS OF QUANTITIES

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 1: PRELIMINARY AND GENERAL**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1.	PRELIMINARY AND GENERAL					
	Amount allowed for all expenses, regarding the following					
1.1	PROJECT RELATED COST					
1.1.1	Nett price for the fulfilment of the Tender Requirements, Conditions of Contract regarding all Insurance cost and indemnification, etc	Sum	1			
1.1.2	Determining and locating of existing services	Sum	1			
1.1.3	Allowance to work in close proximity to existing services eg main gas pipes, water lines and electric cables.	Sum	1			
1.1.4	Notice board.	Sum	1			
1.1.5	Submit samples of all equipment for approval	Sum	1			
1.1.6	As built drawings & manuals.	Sum	1			
1.1.7	Cleaning of the site, removal of all refuse, rubble, rock etc prior to handing over	Sum	1			
2.	TIME RELATED COST					
2.1	Performance Bonds	Sum	1			
2.2	Machinery-hire purchase cost, transport cost to and from site, depreciation	Sum	1			
2.3	Material-store cost and special delivery cost	Sum	1			
2.4	Subcontractors cost.	Sum	1			
2.5	Complying with Occupational Health and Safety Act, 85, 1993 (OHSA).					
2.6.1	Appointment of Safety Officer	Sum	1			
2.6.2	Adherence to Construction Regulations of the OHSA	Sum	1			
2.6.3	Compile a Health and Safety Plan (H & S Plan)	Sum	1			
2.6.4	Compile a Risk Assessment for activities (RA)	Sum	1			
2.6.5	Periodically reviewing of H & S Plan and RA	Sum	1			

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 2: LV NETWORK**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1.	LV CABLES					
	Supply, delivery, installation and commissioning of the following LV cable with Cu conductor as specified in Clause 18 of Document 12.					
1.1	95 mm ² , 4 core PVC cable	m	110			
1.2	25 mm ² , 4 core PVC cable	m	70			
1.3	16 mm ² , 4 core PVC cable	m	330			
1.4	10 mm ² , 4 core PVC cable	m	150			
1.5	6 mm ² , 4 core PVC cable	m	102			
1.6	70 mm ² BCEW	m	110			
1.7	16 mm ² BCEW	m	70			
1.8	10 mm ² BCEW	m	330			
1.9	6 mm ² BCEW	m	150			
1.10	4 mm ² BCEW	m	102			
2.	LV CABLE ENDS					
	Supply, delivery, making off and commissioning of LV cable ends. Measured per set					
2.1	95 mm ² , 4 core PVC cable	No	4			
2.2	25 mm ² , 4 core PVC cable	No	2			
2.3	16 mm ² , 4 core PVC cable	No	12			
2.4	10 mm ² , 4 core PVC cable	No	4			
2.5	6 mm ² , 4 core PVC cable	No	8			
2.6	70 mm ² BCEW	No	4			
2.7	16 mm ² BCEW	No	2			
2.8	10 mm ² BCEW	No	12			

**BERGVILLE JUSTICE DEPARTMENT
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 LIST 2: LV NETWORK**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
2.9	6 mm ² BCEW	No	4			
2.10	4 mm ² BCEW	No	8			
3.	LV CABLE JOINTS Supply, delivery, making off and commissioning of LV cable joints as specified in Clause 11 of Document 12					
3.1	95 mm ² , 4 core PVC cable	No	1			
3.2	25 mm ² , 4 core PVC cable	No	1			
3.3	16 mm ² , 4 core PVC cable	No	1			
3.4	10 mm ² , 4 core PVC cable	No	1			
3.5	6 mm ² , 4 core PVC cable	No	1			
3.6	4 mm ² , 4 core PVC cable	No	1			
3.7	95 mm ² BCEW	No	1			
3.8	25 mm ² BCEW	No	1			
3.9	16 mm ² BCEW	No	1			
3.10	10 mm ² BCEW	No	1			
3.11	6 mm ² BCEW	No	1			
3.12	4 mm ² BCEW	No	1			
4	DANGER TAPE Supply and installation of danger tape to a depth of 300 mm	m	200			
5	SLEEVES					
5.1	Supply and install 110 mm dia PVC sleeves as per drawings and as entry to distribution boards	m	350			
5.2	Supply and install 110 mm diameter slow bend as entry to distribution boards	No	6			

**BERGVILLE JUSTICE DEPARTMENT
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 LIST 2: LV NETWORK**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
6	GENERATOR Supply, install and commission 100kVA, three phase, diesel generator in a sound damping box/ silent canopy/structure Complete with an automatic changeover switch (ATS), maintenance free batteries and trickle charge Generator to have integrated fuel tank, lockable doors, automatic and manual start options	No	1			
7	MANHOLES Supply and installation of 600 x 600 x 600 mm manhole with checker cover plates and appropriate handles					
7.1	Electrical service including 600 x 600mm heavy duty cast iron lid	No	2			
8	COMMISSIONING Commission of LV Network and issuing of a Certificate of Compliance according to SANS 10142-1:2017	Sum	1			
TOTAL CARRIED FORWARD TO SUMMARY OF BILL OF QUANTITIES						

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 3: AREA LIGHTING**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1.	LV CABLES Supply, delivery, installation and commissioning of the following LV cable with Cu conductor as specified.					
1.1	10 mm ² , 4 core PVC cable	m	270			
2.	LV CABLE ENDS Supply, delivery, making off and commissioning of LV cable ends as specified					
2.1	10 mm ² , 4 core PVC cable	No	72			
3.	LV CABLE JOINTS Supply, delivery, making off and commissioning of LV cable joints as specified					
3.1	10 mm ² , 4 core PVC cable	No	1			
4	DANGER TAPE Supply and installation of danger tape to a depth of 300 mm	m	210			
5	SLEEVES					
5.1	Supply and install 110 mm dia PVC sleeves at all road crossings	m	100			
5.2	Cut surface with angle grinder, backfill with soilcrete and repair surface with tarmacadam/cemen according to clients specifications	m	0			
5.3	Remove paving, backfill with soilcrete and reinstate paving according to the clients specification	m	0			
5.4	Supply and install 110 mm diameter slow bend as entry to distribution boards	No	5			
6	AREA LIGHTING Supply, delivery, installation and commissioning of the following area lights					
6.1	Type PT: 40W LED Pole Mount, IP66 Street Light with Die-Cast Housing 4000 Lumen, with SABS/SANS mark of compliance, installed on a 3.6m fibreglass pole complying to SANS 1749, Mounting Height 3m above Natural Ground Level	No	43			
7	COMMISSIONING Commission of LV Network and issuing of a Certificate of Compliance according to SANS 10142-1:2017	Sum	1			
TOTAL CARRIED FORWARD TO SUMMARY OF BILL OF QUANTITIES						

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 4: DISTRIBUTION BOARDS**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1.	ELECTRICAL DISTRIBUTION BOARDS Supply, installation and commissioning of complete distribution board with architrave and equipment in the positions as indicated on the drawings, including the connection of all conduiting and termination of all wiring to necessary equipment. Drawings of distribution boards to be submitted for approval					
1.1	DB-MAIN (IP65, Outdoor, Floor standing)	No	1			
1.2	DB-A (flush mounted)	No	1			
1.3	DB-B (flush mounted)	No	1			
1.4	DB-C (flush mounted)	No	1			
1.5	DB-D (flush mounted)	No	1			
1.6	DB-E (flush mounted)	No	1			
1.7	DB-G (flush mounted)	No	1			
1.8	DB-U1 (flush mounted)	No	1			
1.9	DB-U2 (flush mounted)	No	1			
2.	ELECTRICAL DISTRIBUTION BOARDS Supply and install warnings, notices and labelling in accordance with SANS 10142-1	No	9			
3.	FACTORY ACCEPTANCE TESTS (FAT) Provision for three (3) Engineers, three (3) Employer Representatives and one (1) Contractor Representative to witness FAT at manufacturer as specified					
3.1	All DB's as specified in Item 1.	Sum	1			
4.	ELECTRONIC DISTRIBUTION BOARDS Supply, installation and commissioning of complete distribution board with architrave and equipment in the positions as indicated on the drawings, including the connection of all conduiting and termination of all wiring to necessary equipment. Drawings of distribution boards to be submitted for approval					
4.1	DB (600 x 600 Flush Mounted with door).	No	3			
5	ELECTRONIC DISTRIBUTION BOARDS Supply and install warnings, notices and labelling as specified	No	3			

**BERGVILLE JUSTICE DEPARTMENT
BILL OF QUANTITIES
LIST 5: ELECTRICAL SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1.	CONDUITING AND TRUNKING					
	The supply and installation of conduiting for lighting and power circuits, including ends, joints, ferrules, locknut cutting, threading reaming, bending and setting, where required					
1.1	20 mm dia PVC (installed in ceiling).	m	375			
1.3	20 mm dia PVC (chased in wall).	m	300			
2.	POWER SKIRTING AND ACCESSORIES					
	The supply, delivery, installation and connecting of 3 channel / compartment steel power skirting complete with all accessories to Cabstrut P803 type as specified in Clause 21.7 of Document 12.					
2.1	3 Compartment steel power skirting complete with covers	m	130			
2.2	3 Compartment steel end cap.	No	40			
2.3	3 Compartment steel flat elbow.	No	20			
2.4	3 Compartment steel flat tee.	No	0			
2.5	3 Compartment steel internal elbow.	No	18			
2.6	3 Compartment steel external elbow.	No	4			
2.7	3 Compartment steel standard tee.	No	0			
4.	CABLE TRAY AND ACCESSORIES					
	The supply, delivery, installation and connecting of cable trays complete with all accessories for suspension from concrete slabs, against walls, against roof trusses where required and supported as per manufacturers specifications including cable clamps					
4.1	Medium duty cable tray, welded wire mesh, 200mm x 50mm (Pitch 100 x 50mm) complete with all accessories and mounting brackets	m	80			
4.2	Medium duty cable tray, welded wire mesh, 200mm x 50mm (Pitch 100 x 50mm) horizontal bend 90°	No	12			
4.3	Medium duty cable tray, welded wire mesh, 200mm x 50mm (Pitch 100 x 50mm) internal elbow	No	2			
4.4	Medium duty cable tray, welded wire mesh, 200mm x 50mm (Pitch 100 x 50mm) external elbow (dropper)	No	2			
4.5	Medium duty cable tray, welded wire mesh, 200mm x 50mm (Pitch 100 x 50mm) tee.	No	6			
4.6	Medium duty cable tray, welded wire mesh, 200mm x 50mm (Pitch 100 x 50mm) 4 way crossover.	No	2			

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 LIST 5: ELECTRICAL SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
5.	UNDER SCREED FLOOR DUCT					
	Supply, installation and commissioning of the following floor duct complete with all accessories to fix it to the floor where required					
5.1	3F Floor Duct.	m	5			
5.2	FD3 Pedestal including all accessories and blanking plates	No	4			
6.	DRAW BOXES					
	The supply and installation of flush mounted, multi-way draw boxes, including the termination of conduit with ferrules and locknuts to same:					
6.1	60 mm dia PVC 20 mm, round, multi-way for electrical service.	No	40			
6.2	60 mm dia Steel 20 mm, round, multi-way for electrical service.	No	0			
6.6	60 mm dia PVC blank cover plate.	No	40			
6.7	60 mm dia Steel blank cover plate.	No	0			
6.8	100 x 50 blank cover plate.	No	5			
6.9	100 x 100 blank cover plate.	No	5			
6.10	200 x 200 blank cover plate.	No	0			
7.	CONDUCTORS					
	The supply, delivery, installation in conduit and connecting up to equipment of stranded copper conductors as specified.					
7.7	2,5 mm ² PVC insulated for electrical service	m	3000			
7.8	1,5 mm ² Bare or Green/Yellow for electrical service	m	3000			
7.13	4 mm ² PVC insulated for electrical service.	m	442			
7.14	2.5 mm ² Bare or Green/Yellow for electrical service	m	442			

**BERGVILLE JUSTICE DEPARTMENT
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LIST 5: ELECTRICAL SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
8.	SWITCHES					
	Supply, delivery, installation and connecting of flush mounted switches complete with switch modules yokes and white cover plates to Crabtree Classic Range (Steel)					
8.1	20 A, single lever, one-way (100 x 50 mm Draw Box)	No	10			
8.2	20 A, single level, two-way (100 x 50 mm Draw Box)	No	3			
8.3	20 A, single lever, intermediate (100 x 50 mm Draw Box)	No	0			
8.4	20 A, two lever, one-way (100 x 50 mm Draw Box)	No	2			
8.5	20 A, two level, one-way (x1) & two-way (x1) (100 x 50 mm Draw Box)	No	0			
8.6	20 A, two level, two-way (x2) (100 x 50 mm Draw Box)	No	2			
9.	ISOLATORS					
	Supply, delivery, installation and connecting of isolator complete with isolator modules, yokes and satir white cover plates to Crabtree Classic Range (Steel)					
9.1	30 A, double pole flush mounted	No	2			
9.2	30 A, double pole surface mounted including surface mounted box	No	0			
9.3	30 A, double pole surface mounted including surface mounted box (IP65)	No	21			
9.4	60 A, triple pole surface mounted including surface mounted box (IP65)	No	0			
9.5	200 A, triple pole surface mounted including surface mounted box	No	0			
10.	SOCKET OUTLETS					
	The supply, delivery, installation and connecting of socket outlets complete with white cover plat to Crabtree Classic Range (Steel).					
10.1	1 x 16A 3 pin flush mounted switched socket outlet (100 x 100)	No	0			
10.2	1 x 16A 3 pin & 1 x Euro Socket flush mounted switched socket outlet (100 x 100)	No	4			
10.3	2 x 16A 3 pin flush mounted switched socket outlet (100 x 100)	No	8			
10.4	1 x 16A 3 pin flush mounted dedicated switched socket outlet (Red - 100 x 100)	No	0			
10.5	1 x 5A 3 pin 60mm round with cover plate	No				

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 6: LUMINAIRES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1.	LUMINAIRES Supplying, installation and commissioning of the following luminaires complete with lam					
1.1	TYPE A: 16W LED SURFACE MOUNT, IP54 ROUND BULKHEAD WITH BLACK DIE-CAST BASE BASE AND HIGH IMPACT ACRYLIC DIFFUSER WITH TAMPER PROOF TORX SCREWS WIRED ECG COMPLETE WITH 3 PIN STUCCHI CONNECTOR AND 4m, 3 CORE CABTYRE 1400 Lumen	No	41			
1.2	TYPE B: 40W CFL SURFACE MOUNT, IP65 DECORATIVE OUTDOOR EYELID BULKHEAD WITH BLK DIE-CAST BASE AND HIGH IMPACT ACRYLIC DIFFUSER WITH TAMPE PROOF TORX SCREWS. WIRED ECG COMPLETE WITH 3 PIN STUCCHI CONNECTOR AND 4m, 3 CORE CABTYRE - 3500 Lumen	No	14			
1.3	VANDAL PROOF SURFACE MOUNT LUMINAIRE BATTEN TYPE, SUITABLE FOI MAXIMUM SECURITY APPLICATIONS, WITH 2 x 20W LED LAMPS, WITH CORROSION RESISTANT HIGH PRESSURE DIE CAST ALUMINIUM BODY, ONE PIECE INJECTION MOULDED CLEAR POLYCARBONATE DIFFUSER, PROTECTION CLASS IP65, WITH SABS MARK OR SANS MARK OF COMPLIANCE - 5500 Lumen	No	18			
1.5	TYPE C: 2 X 23W LED 1500MM SURFACE MOUNTED IP65 VAPOR PROOF WITH POLY-CARBONATE UV STABILIZED BASE AND DIFFUSER WITH 305 STAINLESS STEEL CLIPS. WIRED ECG COMPLETE WITH 4M 3 CORE CABTYRE.	No	67			
1.6	TYPE C: 64W LED FLUSH MOUNT HONEYCOMB PANEL, WIRED ECG COMPLETE WITH 3 PIN STUCCHI ADAPTOR & 4M 3 CORE CABTYRE - 6000 LUMEN, DRIVER LIFETIME 30000HRS, CCT 4000K, CRI 80	No	66			
1.7	TYPE FD: 1 X 40W LED FLOODLIGHT, IP65, CCT 4000K, DIE-CAST ALUMINIUM HOUSING, 4M 3 CORE CABTYRE, 90LM/WATT, DRIVER LIFETIME 30000HRS	No	68			
2.	EMERGENCY LUMINAIRS Supplying, installation and commissioning of the following luminaires complete with lamps specified					
2.1	Type EX: Surface mount LED Exit light. Complete with NiMH battery with no memory effect suitable for operation of at least 2 hours and a lifespan of 7 years equal Cosine Developments LE Single-sided Emergency Exit Sign	No	7			
TOTAL CARRIED FORWARD TO SUMMARY OF BILL OF QUANTITIES						

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 7: ELECTRONIC SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
1	CONDUITING AND TRUNKING The supply and installation of conduiting for lighting and power circuits, including ends, joints, ferrules, locknut cutting, threading reaming, bending and setting, where required					
1.1	25 mm dia PVC for access control/security services (installed in ceiling)	m	0			R -
1.2	25 mm dia PVC for access control/security services (chased in wall)	m	42			
1.3	25 mm dia STEEL for fire services (installed in ceiling)	m	150			
1.4	25 mm dia STEEL for fire services (chased in wall).	m	20			
2.	WIRING DUCT The supply, delivery, installation and connecting of wiring channel complete with all accessories for suspension from concrete slabs, against walls, against roof trusses where required and supported as per manufacturers specifications					
2.1	P9810 Wiring channel with covers and all fixing accessories	m	80			
2.2	P9810 Wiring channel end cap.	No	8			
2.3	P9810 Wiring channel radiused internal elbow.	No	2			
2.4	P9810 Wiring channel radiused external elbow.	No	2			
2.5	P9810 Wiring channel radiused horizontal elbow	No	12			
2.6	P9810 Wiring channel radiused 3 way tee.	No	6			
2.7	P9810 Wiring channel radiused 4 way crossover.	No	2			
2.8	P9810 Wiring channel radiused internal elbow	No	5			
2.9	P9810 Wiring channel radiused external elbow	No	5			
2.10	P9810 Wiring channel radiused horizontal elbow	No	5			
2.11	P9810 Wiring channel radiused 3 way tee	No	4			
2.12	P9810 Wiring channel radiused 4 way crossover	No	2			

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 7: ELECTRONIC SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
3	DRAW BOXES					
	The supply and installation of flush mounted, multi-way draw boxes, including the termination of conduit with ferrules and locknuts to same:					
4.1	60 mm dia PVC 25 mm, round, multi-way for telecom services	No	0			
4.2	100 x 50 x 50 mm galvanised steel for telecom services	No	20			
4.3	100 x 100 x 50 mm galvanised steel for telecom services	No	0			
4.4	60 mm dia PVC 25 mm, round, multi-way for data services	No	30			
4.5	100 x 50 x 50 mm galvanised steel for data service	No	0			
4.6	100 x 100 x 50 mm galvanised steel for data service	No	0			
4.10	60 mm dia Steel 25 mm, round, multi-way for CCTV services	No	30			
4.11	100 x 50 x 50 mm galvanised steel for CCTV service	No	0			
4.12	100 x 100 x 50 mm galvanised steel for CCTV service	No	0			
4.13	60 mm dia PVC 25 mm, round, multi-way for access control/security services	No	32			
4.14	100 x 50 x 50 mm galvanised steel for access control/security service	No	16			
4.15	100 x 100 x 50 mm galvanised steel for access control/security service	No	0			
4.16	60 mm dia Steel 25 mm, round, multi-way for fire services	No	0			
4.17	100 x 50 x 50 mm galvanised steel for fire service	No	20			
4.18	100 x 100 x 50 mm galvanised steel for fire service	No	20			
4.19	200 x 200 x 50 mm galvanised steel for electronic services	No	1			
4.20	60 mm dia blank cover plate	No	92			
4.21	100 x 50 blank cover plate	No	56			
4.22	100 x 100 blank cover plate	No	20			

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 LIST 7: ELECTRONIC SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
4.23	200 x 200 blank cover plate	No	1			
4.24	60 mm dia steel blank cover plate	No	0			
4.25	100 x 50 blank steel cover plate	No	20			
4.26	100 x 100 blank steel cover plate	No	20			
5.	ELECTRONIC SERVICES CABLES The installation of electronic services cables.					
5.1	CAT 5 UTP unscreened solid conductor PVC cable (telecom services)	m	950			
5.2	CAT 6 UTP unscreened solid conductor PVC cable (data services)	m	1250			
5.3	AV Cable Cable (Audio/Visual services)	m	100			
5.4	Speaker cabling (Audio/Visual services)	m	100			
5.5	CAT 6 UTP unscreened solid conductor PVC cable (audio/viusal services)	m	100			
5.6	Microphone Patch leads	m	60			
5.7	CAT 6 UTP Unscreened Solid Conductor PVC Cable (CCTV Services)	m	700			
5.8	3pair 0.5mm Overall Foil Screen PVC Cable (Access Control/Security)	m	490			
5.9	0.5mm Ripcord (Access Control/Security Services)	m	150			
5.10	Alarm Cable (Access Control/Security Services)	m	0			
5.11	Fire Cable (Fire Alarm Services)	m	0			
5.12	Supply and install galvanised draw wire in conduit for all electronic service	m	212			
6.	SOCKET OUTLETS The supply, delivery, installation and connecting of outlets complete with satin chrome cover plat to Crabtree Diamond Range (Steel).					
6.1	Telephone outlet point with cover (Power Skirting)	No	35			

**BERGVILLE JUSTICE DEPARTMENT
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 LIST 7: ELECTRONIC SERVICES**

Item	Description	Unit	Qty	Unit Price		Total
				Unit Labour Rate	Unit Material Rate	
6.2	Data outlet point with cover (Power Skirting)	No	35			
7.	ANCILLARY EQUIPMENT					
7.1	42U Server rack - floor standing with perforated front and back door, 6 fans and 2 x vertical cable managers, 600mm x 1000mm deep.	No	1			
7.2	48-Port Gigabit Network Switch - Rack mountable, including power supply	No	2			
7.3	Rack Mount Server - Dual processor support, 2 x 8 Core, 3GHz CPU's included, 32GB DRAM DDR4 memory, RAID storage controller configured for RAID 5 with 100TB of storage.	No	1			
7.1	Enclosure for Access Control	No	2			
7.2	Access Control Controller	No	2			
7.2	Power Supply (Access Control/Security)	No	2			
7.3	Card Reader (Access Control/Security)	No	30			
7.3	Keypad (Access Control/Security)	No	30			
7.4	64 Channel NVR mounted in server rack, at least 40TB internal storage. Supports PoE	No	1			
7.5	22", 1920 x 1080p monitor for CCTV and Access Control monitoring	No	3			
7.6	CCTV Camera - Bullet type, rated for outdoor use (IP 65), PoE, 6mm Lens - 50° field of view.	No	15			
7.7	CCTV Camera - Bullet type, rated for outdoor use (IP 65), PoE, 4mm Lens - 90° field of view.	No	17			
7.8	CCTV Camera, Turret Mounted, Distinct Lens & Illuminator, PoE, 2.8mm Lens - 103° field of view	No	32			
7.9	Alarm back panel (Access Control/Security)	No	1			
7.10	Column mounted speakers	No	8			
7.11	X-Ray Baggage Scanner, Tunnel Dimensions of 615mm (W) x 410mm (H). Maximum load of 160kg even distributed on conveyor. Generator voltage of 140kV, display resolution of at least 1280 x 1024, sound level < 70dBA. To be 98/37/EWG & 89/336/EWG Compliant. To include basic operator training for 3 x persons	No	1			

**BERGVILLE JUSTICE DEPARTMENT
 BILL OF QUANTITIES
 SUMMARY**

LIST	DESCRIPTION	AMOUNT
LIST 1:	PRELIMINARY AND GENERAL	
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LIST 7:	ELECTRONIC SERVICES	
LIST 8:	PV SYSTEM	
SUBTOTAL A		
Plus: Contingency (10 %)		
SUBTOTAL B		
Plus: 15 % VAT		
TOTAL CONTRACT PRICE		