



**PRICE SUMMARY BILL- DE AAR AREA AND SURROUNDING: MAINTENANCE AND REPAIRS OF LOW VOLTAGE
INSTALLATION OF 36 MONTHS TERM CONTRACT**

ITEM	DESCRIPTION	TOTAL AMOUNT
Bill No. 1	Preliminary & General	
Bill No. 2	LV Switchgears and Distribution Boards	
Bill No. 3	Mains Cabling & Cable Sleeves	
Bill No. 4	General Lighting	
Bill No. 5	Luminaires	
Bill No. 6	Small Power	
Bill No. 7	Area/Perimeter Lighting	
Bill No. 8	Day Work and Non-Schedule Items	
SUB-TOTAL		
ADD VAT@15%		
TOTAL		

BILL NO-01 PRELIMINARY AND GENERALS

ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			YEAR THREE			TOTAL AMOUNT A+B+C
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	
	BILL NO. 1: PRELIMINARY AND GENERAL Conditions of Contract: Compliance with all contractual requirements and obligations in terms of GCC 2010, 2nd edition.											
1.1	FIXED CHARGES											
1.1.1	Site Establishment Removal of Site Establishment and Equipment to DPWI	Sum	1			1						
1.1.2	workshop-Kimberley	Sum	1			1						
1.1.3	Extent of Fixed-charge Obligations	Sum	1			0						
1.1.4	Provision for Health & Safety File in Compliance with occupational Health & Safety Act	Sum	1			0						
1.1.5	Rubbish and Waste Management Plan	Sum	1			0						
1.1.6	(Please Specify)											
1.2.1	Provision of Sureties	Sum	1			0						
1.2.2	Insurance: Public Liability	Sum	1			0						
1.2.3	Provision of Record Drawings	Sum	1			0						
1.2.4	Other Value Related Obligations	Sum	1			0						
1.2.5	(Please Specify)											
1.2.6												
1.2.7												
1.2.8												
1.2.9												
1.3	TIME-RELATED ITEMS											
1.3.1	Contractual Requirements											
	Insurance: Special Risk(SASRIA)	Months	12			12						
	Insurance: Occupational Compensation(COID)	Months	12			12						
	Programme of Works	Months	1			1						
	Progress of the Works	Months	12			12						

TOTAL CARRIED FORWARD TO THE NEXT PAGE											
TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
1.3.2	Operation and Maintenance of Site Establishment Admin facilities: Instructions books/Records, communication and etc	Months	12			12			12		
1.3.3	Supervision for the Duration of Contract										
	Access Control & Identity of staff	Months	4			4			4		
	First Aid Kit: Supply & Maintain	Sum	1			1			1		
1.4	EPWP PROGRAMME The provision of remuneration is based on official labour rate(R21,69/hr) as the amount agreed by NMW from the Minister of Labour. The tender shall include full compensation for all costs associated with the employment of two(2) workers, and complying with the conditions of EPWP and of contract. The cost for the training shall be excluded from this item. This is based on 24 months period, but employment is based on year one and year two. Electrical students are recommended for this opportunity for training purposes and skills transfer. Allowance of R3600.00/mnth per student is calculated based on R21.69*8hrs*21days.										
1.4.1	Allowance of R7200 for 2 student per/month	Months	12			12			12		
1.4.2	Profit and Attendance to the above item Provision for complete branded EPWP PPE for 2 student	%		R0,00	R0,00	%			%		
1.4.3	Footwear-Safety Shoe	each	2			2			2		
1.4.4	Reflective Jacket as per SANS 1866 -	each	2			2			2		
1.4.5	Reflective Trouser as per SANS 1866 -	each	2			2			2		
1.4.6	Supply basic electrician tool box	Sum	2			0			0		
TOTAL BILL NO.1 CARRIED OVER TO SUMMARY OF BILLS											

BILL NO:2 SWITCHGEARS AND DISTRIBUTION BOARDS											
ITEM	DESCRIPTION	YEAR ONE			YEAR TWO			YEAR THREE			TOTAL AMOUNT A+B+C
		UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	
	BILL NO.2: LV SWITCHGEARS AND DISTRIBUTION BOARD Supply,maintain,repair and commission complete switchgears and distribution boards where necessary, including all busbars and din-rails as specified to relevant sections below with their standard specification. PLEASE NOTE: Labour/Install rate is measured somewhere										
	LV SWITCHGEARS										
2.1	Miniature Circuit Breakers (MCB) As per SANS 556-1/IEC 60947-2, with a fault level current 2.5 to 10KA. C curve and D curve.										
2.1.1	Single Pole MCB (2Amps to 32Amps)	Unit	20			20			20		
	Supply										
2.1.2	Single Pole MCB (40Amps to 125Amps)										
	Supply	unit	10			10			10		
2.1.3	Double Pole MCB (2Amps to 32Amps)										
	Supply	unit	5			5			5		
2.1.4	Double Pole MCB (40Amps to 125Amps)										
	Supply	unit	5			5			5		
2.1.5	Triple Pole MCB (6Amps to 40Amps)										
	Supply	unit	5			5			5		
2.1.6	Triple Pole MCB (50Amps to 125Amps)										
	Supply	unit	2			2			2		
2.2	Earth Leakage Protection Unit As per IEC/EN 60898, with sensitivity tripping current 30mA And fault level current 6KA										
2.2.1	Double Pole Unit (25Amps to 63Amps)										
	Supply	Unit	10			10			10		
2.2.2	Triple Pole Unit +Neutral (63Amps)										
	Supply	unit	3			3			3		
TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE												
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT
2,3	Surge Protection											
2.3.1	Three pole and neutral 275v with indication, surge protection device class 2 lmax 10kA.											
	Supply	unit	5			5			5			
	Three pole and neutral 275v with indication, surge protection device class 2 lmax 40kA.											
2.3.2	Supply	unit	5			5			5			
	One pole and neutral 275v with indication, surge protection device class 2 lmax 10kA.											
2.3.3	Supply	unit	5			5			5			
2,4	DISTRIBUTION BOARDS											
	DB's will differ with dimension on domestic and commercial type.											
	Domestic Distribution Boards											
2.4.1	Flush Adjustable Distribution Boards - All Colours											
	Metal pre-fitted for din or samite complete with metal chassis and tray.											
	Supply	unit	2			2			2			
2.4.2	Surface Mounted Distribution Boards - All colours											
	Metal pre-fitted for din or samite											
	Supply	unit	3			3			3			
2,5	Commercial Distribution Boards											
2.5.1	Flush Architrave Distribution Boards with Door - All colours											
	Complete with metal push handle,metal hinges. Pre-fitted for samite or din											
	Supply	unit	3			3			1			
2.5.2	Surface Cabinet Distribution Board with Door - All colours											
	Metal pre-fitted for samite or din											
	Supply	unit	2			2			2			
	Floor Standing Cabinet distribution Board with Doors-All colours											
	Metal pre-fitted for samite or din	unit	2			1			1			
2.5.3	Kiosks (Metal or Fibreglass)											
	Supply	unit	3			3			2			

TOTAL CARRIED FORWARD TO THE NEXT PAGE											R	-
TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											R	-
ITEM/DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT	
2,6 Distribution Board - Painting and Lockers Allowance for painting with similar colour and Lockers Profit and attendance on above												
	Sum	1	R 8 000,00	R 8 000,00	1	R8 400,00	R 8 400,00	1	R8 904,00	R 8 904,00	R25 304,00	
	%											
TOTAL BILL NO.2 CARRIED OVER TO SUMMARY OF BILLS												

BILL NO.3: MAINS CABLING											
ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			YEAR THREE		
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
3	BILL NO.3: MAINS CABLING AND CABLE SLEEVES										
3.1	CABLE SLEEVES Solid or flexible PVC cable sleeves chased or surfaced onto brickwork or laid in the open trench or under concrete floor including couplings, backfilling and compacting <i>NOTE: Sleeves for future use to be sealed at both ends</i> <i>Rate for labour is measured somewhere</i>										
3.1.1	50mm diameter (kabelflex sleeve) Supply	m	15			10			10		
3.1.2	45 degrees slow bends for 50mm dia.sleeve Supply	each	5			5			5		
3.1.3	32mm diameter (kabelflex sleeve) Supply	m	10			10			10		
3.1.4	45 degrees slow bends for 32mm dia.sleeve Supply	each	5			5			5		
TOTAL CARRIED FORWARD TO THE NEXT PAGE											TOTAL AMOUNT +B+C

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											TOTAL AMOUNT
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
3.1.5	Cleaning and maintaining including paint of LV room service trench with cross bracing for LV Panel, chequor plate covers and the whole interior of lv room.										
	Allowance amount per facility	m ²	10			10			5		
3.1.6	Drawn into conduit or sleeve 1,6mm galvanised draw wire										
	Supply	kg	50			10			10		
3.1.7	P9000 in roof space for light, power cables and power conductors complete with cover strips										
	Supply	m	30			10			5		
3.1.8	P220 wire basket in roof space for power cables complete with cover strips										
	Supply	m	10			10			10		
3.1.9	150mm wide medium duty cable tray including hangers and fixing										
	Supply	m	15			10			5		
3.2	LOW VOLTAGE CABLES Supply cable where needs to be serviced through cable sleeve in trench or on cable trays and sleeves										
TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
3.2.1	70mm ² x 4 core ECC										
	Supply	m	20			20			10		
3.2.2	Termination for 70mm ² x 4 core cable										
	Supply	each	6			4			4		
3.2.3	50mm ² x 4 core ECC										
	Supply	m	10			10			10		
3.2.4	Termination for 50mm ² x 4 core cable										
	Supply	each	6			6			6		
3.2.5	35mm ² x 4 core ECC										
	Supply	m	20			20			20		
3.2.6	Termination for 35mm ² x 4 core cable										
	Supply	each	6			6			6		
3.2.7	25mm ² x 4 core ECC										
	Supply	m	50			50			20		
3.2.8	Termination for 25mm ² x 4 core cable										
	Supply	each	6			6			6		
TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE												
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT
3.2.9	16mm ² x 4 core ECC	m	50			20			20			
3.2.10	Supply											
	Termination for 16mm ² x 4 core cable											
	Supply	each	6			6			6			
3.2.11	16mm ² x 3 core ECC											
	Supply	m	50			20			10			
3.2.12	Termination for 16mm ² x 3 core cable											
	Supply	each	6			6			6			
3.2.13	10mm ² x 3 core ECC											
	Supply	m	50			50			50			
3.2.14	Termination for 10mm ² x 3 core cable											
	Supply	each	6			6			6			
3.2.15	6mm ² x 3 core ECC											
	Supply	m	50			50			50			
3.3	Cable Tape											
	Laid in an open trench and 150mm											
	above a cable 150mm wide 800 gauge											
	cable marker tape.											
	Supply	m	10						10			
TOTAL BILL NO.3 CARRIED OVER TO SUMMARY OF BILLS												



BILL NO.4: GENERAL LIGHTING												
ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			YEAR THREE			TOTAL AMOUNT A+B+C
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	
4.1	BILL NO.4: GENERAL LIGHTING											
	CONDUIT											
	The supply of PVC conduit. Install is measured elsewhere Prices to include cutting, draw boxes, fixing materials tees, bends, saddles, etc.											
4.1.1	20mm dia conduit											
	Supply	m	100			100			50			
4.1.2	32mm dia conduit											
	Supply	m	10			10			10			
	Galvanised metal conduit chased into brickwork, cast in concrete or fixed on trusses in ceiling void including cutting, bending, reaming, setting, joining, draw boxes and fixing material (average).											
4.1.3	20mm dia conduit											
	Supply	m	100			100			100			
4.1.4	32mm dia conduit											
	Supply	m	10			10			10			
4.2	SWITCHES											
4.2.1	16/20A single lever, one way flush mounted rocker or similar type switch (White in colour)											
	Supply	each	30			30			30			
4.2.2	16/20A single lever, two way flush mounted rocker or similar type switch (White in colour)											
	Supply	each	20			20			10			
	TOTAL CARRIED FORWARD TO THE NEXT PAGE											



TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE												
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT
4.2.3	BROUGHT FORWARD 16/20A two lever, one way flush mounted rocker or similar type switch (White in colour) Supply											
		each	15			15			15			
4.2.4	16/20A three lever, one way flush mounted rocker or similar type switch with classic range coverplates (White in colour) Supply											
		each	5			5			5			
4.2.5	16/20A four lever, one way flush mounted rocker or similar type switch with classic range coverplates (white in colour) Supply											
		each	3			3			3			
4.2.6	16/20A single lever, one way surface mounted weatherproof switch Supply											
		each	5			5			5			
4.2.7	Photo Cell- Day/night Switch Type ZS 20A National photo electric cell Supply											
		each	40			30			20			
4.2.8	Dimmer switch - 1000w (one lever, two way) diamond range coverplates(White in colour) Supply											
		each	3			3			5			
	Industrial switch-12A or 20A with 2 to 5 position stepping	each	10			10			10			
	TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE												
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT
4,3	CONDUCTORS The supply of PVC insulated single core stranded copper conductors drawn into conduits. Installation is measured elsewhere											
4.3.1	2. 5mm ² PVC black and red											
	Supply	m	600			600			500			
4.3.2	1. 5mm ² PVC green / yellow earth wire											
	Supply	m	250			250			250			
4.3.3	2. 5mm ² round surfix and earth wire											
	Supply	m	500			200			100			
TOTAL BILL NO.4 CARRIED OVER TO SUMMARY OF BILLS												

BILL NO. 5: LUMINAIRES											
ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			YEAR THREE		
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
	BILL NO. 5: LUMINAIRES										
5,1	Maintain all luminaires that are surface mounted or recessed on a ceiling, or on brickwork including lamps and fixing material. Replace luminaire with similar or equal to the existing NOTE: See contract document for detailed technical specifications										
	Open channel fluorescent 18 to 36W Light fitting										
5.1.1	Supply	each	10			10			10		
	Closed Channel: Tamper proof screws hold the diffuser in place and must be removable with special tool. The diffuser shall be standard 8mm high impact acrylic with opal . The body must be manufactured from 1mm stainless steel powder coated . The luminaire must be approved by department of correctional services. The luminaire to be compactable to LED lamp tubes										
5.1.2	Supply	each	20			20			20		
	Resected luminaire: 1200mmx600mm. Luminaire must be ideal for retrofit solution for ceiling up to 3.5m. Opal optc diffuser. LED lighting										
5.1.3	Supply	each	10			10			10		
	Bulkhead: Square or round with aluminium body opal polycarbonated diffuser epoxy coated. The luminaire must be anti corrosion IP65 rating. . Wall mounted or ceiling mounted. Body shape either round or square										
5.1.4	Supply	each	20			20			20		
TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE													
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT	
5.1.5	BROUGHT FORWARD Surface mounted closed channel, body rolled mild steel with epoxy coated powder finish. Anti iridescent matt aluminium louvre. Luminaire to be compactable for three tubes lamp Or either 2 tube lamps. Replace with similar to what is existing.												
		each	10			10			10				
5.1.6	Recessed Luminaire: 3 or 4 tubes high quality luminaire the louvre is fixed with the body. Rolled steel body with epoxy powder coated finish either with panels or parabolic louvre												
		each	5			5			5				
5.1.7	High bay Luminaire: Body finish with epoxy powder finish coated. Aluminium diffuser. Luminaire compactable to PL lamps												
		each	5			5			5				
5.1.8	Supply light fixture components												
		each	5			5			5				
		each	30			30			20				
	Ballast/choke												
		each	5			5			5				
		each	5			5			5				
	Control Gear												
		each	5			5			5				
		each	5			5			5				
	Diffusers												
		each	5			5			5				
		each	5			5			5				
	Capacitors												
		each	5			5			5				
5.1.9	Retrofitting: Removing part of existing fixture and install new components compatible with the existing wiring. Make certain that the lumen output is equal to the existing to avoid the compromising of the original lux level to the designer.												
	Compact Fluorescent lamp tubes (CFL) T5/T8/T9 to LED Compact Fluorescent (CFL) bulkhead light fittings PL9/18/20 to LED	each	30			30			20				
		each	30			30			20				
	Halogen Lights lamp to LED	each	30			30			20				
	2D Lights lamp to LED	each	30			30			20				
	Metal halide street light/flood light to LED	each	30			30			20				

Kimberley and Surrounding Area Low Voltage

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	QTY	RATE	AMOUNT	QTY	RATE	AMOUNT C
6.2	CONDUCTORS The supply of PVC insulated stranded single core copper conductors drawn into conduits and ducting										
6.2.1	2.5mm ² PVC black and red										
	Supply	m	500			200			200		
6.2.2	4mm ² PVC black and red										
	Supply	m	500			200			200		
6.2.3	2.5mm ² PVC insulated green/yellow earth wire										
	Supply	m	500			200			200		
6.3	SOCKET OUTLETS AND ISOLATORS										
6.3.1	16A 3 pin single switch socket outlets complete with range coverplates										
	Supply	each	100			100			100		
6.3.2	16A 3 pin double switch socket outlets complete with range coverplates										
	Supply	each	50			20			20		
TOTAL CARRIED FORWARD TO THE NEXT PAGE											

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE													
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT	
6.3.3	16A 3 pin double pedestal switch socket outlets complete with range coverplates Supply												
		each	5			5			5				
6.3.4	Cluster unit with 2 pin,2 essential switched socket outlets with data and telephone point in diamond range cover or similar Supply												
		each	5			5			5				
6.3.5	5A switchless socket outlets Supply												
		each	30			30			30				
6.3.6	60 Ampere, triple pole isolator for Hot water cylinder, including diamond range cover Supply												
		each	20			10			10				
6.3.7	40 Ampere double pole for Stove Isolator including diamond range or similar cover Supply												
		each	5			5			5				
6.3.8	25 Ampere, one lever surface weatherproof isolator for cassette room airconditioner Supply												
		each	10			10			10				
6.3.9	30 Ampere, triple pole isolator Supply												
		each	50			50			50				
TOTAL CARRIED FORWARD TO THE NEXT PAGE													

TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
6.4	POWER SKIRTING AND POWER TRUNKING The supply of modular pre-galvanised 2 compartment power skirting or power trunking complete with 2 separate clip on steel full length covers colour hospital grey or similar .Endcap/top end, Inside Bend, OutsideBend, Corner Riser, Mid Point "TEE" Riser etc. 6.4.1 2 compartment P802 power ducting complete with 55mm cover Supply	m	50			50			50		
6.4.2	16A 3 pin round socket outlet Supply	each	10			10			10		
6.4.3	16A 3 pin flat dedicated socket outlet Supply	each	30			30			30		
TOTAL BILL NO.6 CARRIED OVER TO SUMMARY OF BILLS											

BILL NO.7: AREA/PERIMETER LIGHTING												
ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			YEAR THREE			TOTAL AMOUNT A+B+C
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	
7.1	BILL NO.7: AREA/PERIMETER LIGHTING LOW VOLTAGE CABLE Maintain, Provide, test and commission the following 1 000V ECC/SWA/ECC copper cable.											
7.1.1	6mm ² x 3 core ECC supply	m	50			60			60			
	Termination	each	20			10			10			
7.1.2	2.5mm ² x 3 core ECC supply	m	50			60			60			
	Termination	each	10			10			10			
7.3	LUMINAIRES Maintain, provide ,install and connect completely the following light fittings as described and light accessories. Light fittings shall be complete with lamps and shall be SANS approved.											
7.3.1	similar type post top luminaires to provide area lighting along the parking area. Police Blue indicator light. Written POLICE. The luminaire consists of a spigot base, optical compartment with integral control gear and top cover and is designed to operate LEDs of up to 54W											
	Supply	each	15			10			10			
	similar type post top luminaire to provide lighting along the area. The luminaire shall have a housing with a spigot base, top cover, glare -shield. Marine grade high pressure die cast aluminium, protected by high impact acrylic . The luminaire shall have IP rating of 65 with high impact acrylic. The entry shall be at the bottom. Equal or similar to bekashine											
7.3.2	Supply	each	10			10			10			

TOTAL CARRIED FORWARD TO THE NEXT PAGE											
TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE											
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C
	Similar Post top:The luminaire consists of a spigot base. The luminaire must be designed to operate LEDs up to 54 watts .The high-impact non-discolouring acrylic diffuser bowl is hexagonal in shape and is smooth on the outside, but has internal prismatic to reduce the direct glare component.										
7.3.3	Supply	each	10			8			8		
	LED Flood light. The body is high pressure die cast aluminium finished. The luminaire to be powered with LED modules. Power of 220v to 240v and must have a surge protection										
7.3.4	Supply	each	15			8			8		
	Floodlight: The body must of high pressure cast aluminium and the control housing as well. The diffuser must be tempered glass. The luminaire must be able to use with metal halide or HPS (High pressure sodium)										
7.3.5	Supply	each	5			5			5		
	Streetlight: The body, gear compartment lid, and bulkhead must be manufactured from high pressure UV stabilised. The gasket between the diffuser and the body must be silicone.The luminaire clips and the diffuser must be stainless steel.										
7.3.6	Supply	each	10			5			5		
	Bulkhead luminaire: The diffuser must be designed for glare control and high impact protection. The housing must be high pressure die cast aluminium and corrosion resistant and suitable to install in coastal areas. The luminaire must be able to operate LED lights and retrofit of 70watt-100watt HPS and mercury vapour.										
7.3.7	Supply	each	10			10			10		
7.3.8	4.5m Fiber glas pole or similar for post top luminaire										
	Supply	each	4			3			3		

TOTAL CARRIED FORWARD TO THE NEXT PAGE												
TOTAL BROUGHT FORWARD FROM THE PREVIOUS PAGE												
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C	TOTAL AMOUNT
7.3.9	9.5m Galvanized steel pole or similar for flood lights											
	Supply	each	3			3			3			
	Supply											
	Starters	each	15			10			10			
	Ballast/choke	each	10			10			10			
	Ignitor	each	10			10			10			
	Capacitors	each	10			10			10			
	Diffuser	each	10			10			10			
	Control gear housing	each	10			10			10			
7.3.10	Retrofitting: Removing part of existing fixture and install new components compatible with the existing wiring. Make certain that the lumen output is equal to the existing to avoid the compromising of the original lux level to the designer.											
	Compact Fluorescent lamp tubes (CFL) T5/T8/T9 to LED	each	30			20			20			
	Compact Fluorescent (CFL) bulkhead light fittings PL9/18/20 to LED	each	30			20			20			
	Halogen Lights lamp to LED	each	30			20			20			
	High pressure sodium street lights/flood light (HPS) to LED	each	40			25			25			
	Metal halide street light/flood lightto LED	each	40			25			25			
TOTAL BILL NO.7 CARRIED OVER TO SUMMARY OF BILLS												

BILL NO 8: DAY WORK (LABOUR/INSTALL AND TRANSPORT COSTS) NON SCHEDULED ITEMS																		
ITEM	DESCRIPTION	UNIT	YEAR ONE			YEAR TWO			YEAR THREE			TOTAL AMOUNT A+B+C						
			QTY	RATE	AMOUNT A	QTY	RATE	AMOUNT B	QTY	RATE	AMOUNT C							
8	BILL NO.8: DAY WORK (LABOUR/INSTALL AND TRANSPORT COSTS) AND NON-SCHEDULED ITEMS																	
8.1	DAY WORK																	
8.1.1	Normal Hours																	
	Artisan Electrician	Hour	300			200					100							
	Semi-skilled Labourer	Hour	300			200					100							
	General labourer	Hour	300			200					100							
8.1.2	Overtime Hours Overtime is subject ONLY when the breakdown or emergency occurs after 6PM. No general labour or supervisor shall benefit from overtime.																	
	Electrician	Hour	10			10					10							
	Semi-skilled labourer	Hour	10			10					10							
8.2	TRANSPORT COST All distance for inspection, repairs, maintenance and any Installation will be measure from reference location identified at Kimberley																	
8.2.1	Type A (1Ton) vehicle travelling rate	km	1600			###					1000							
8.2.2	Type B (2Ton) vehicle travelling rate	km	500			500					500							
8.2.3	Use of a self-propelled cherry picker	hr	20			10					10							
8.2.4	Use of TLB	hr	20			10					10							
8.3	ELECTRICAL COC's Testing and commissioning of electrical installation or provision of supplementary COC as per SANS 10142-1 and submit Certificate of Compliance.																	
8.3.1	Allowance amount for COC's	Sum	6			4					2							
8.4	NON-SCHEDULED ITEMS This item includes labour and material. Quotation to be submitted prior the commencement of works. No payment will be made without proof of payment and an instruction from the project leader.																	
8.4.1	Allowance for non-schedule items	Sum	1	R 100 000,00	R 100 000,00	1	R105 000,00	R 105 000,00	R 111 300,00	R 111 300,00	1	R 111 300,00						
	Profit & Attendance to the above item	%	%			%					%							
TOTAL BILL NO.8 CARRIED OVER TO SUMMARY OF BILLS																		