

**Project:** Replacement of Diesel Generators at Kimberley Airport  
**Project No:** RA7764/2025/RFP  
**Date:** 2025/11/07  
**Revision:** 0


**BILL 1: PRELIMINARY AND GENERAL**

Item	Description	Unit	Quantity	Rate (Rands)	Amount (Rands)
<b>1</b>	<b>General Requirements and Provisions</b>				
<b>1.2</b>	<b>Fixed Obligations</b>				
1.2.1	Establishment of Construction site facilities & De-Establishment	Sum	1		
1.2.2	Risk Analysis and Safety Plan to comply with Health and Safety Specification	Sum	1		
1.2.3	Quality Assurance Obligation	Sum	1		
1.2.4	Location of underground services	Provisional Sum	1	R 20 000,00	
1.2.4(a)	Contractor's charges in respect of Item 1.2.4	%			
1.2.5	Provisional Sum for Airside Permit and security requirements - refer to Part C3 in the Contract document. Claim on proven cost at no mark-up.	Provisional Sum	1	R 20 000,00	
<b>1.3</b>	<b>Time related obligations</b>				
1.3.1	Operation/maintenance of facilities/site	month	5		
1.3.2	Contractor personnel travelling cost to/from site & Accommodation	month	5		
1.3.3	Compliance with OHS Act requirements	month	5		
1.3.4	Compliance with Environmental requirements	month	5		
1.3.5	Operate and maintain Quality Control and Quality Assurance System	month	5		
1.3.6	Provision of full time Construction Safety Officer	month	5		
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**BILL 2: PROFESSIONAL SERVICES (PROJECT MANAGEMENT, ENGINEERING SERVICES, SITE SUPERVISION & CLOSEOUT)**

No	Description	Unit	Qty	Rate	Total Cost
2.	<b>Professional Services (Design Phase &amp; Project Administration)</b>				
2.1	Provide Concept designs, Detail designs Including approved/ signed design report, drawings and project specification. Facilitate the acceptance of designs by ACSA and where applicable approval by local authority.	Sum	1		
2.2	Construction Works Supervision and attendance of monthly meeting.	Month	5		
2.3	Close-Out Documentation, Including As-Built Report (List of Assets) & Drawings, Operating, Instruction & Maintenance Manuals, Guarantees and Warrantees.	Sum	1		
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**BILL 3: MAIN SUBSTATION 2 x 500kVA GENERATORS**

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
<b>3</b>	<b>MAIN SUB: 2 x 500kVA Prime Rated Generators</b>				
3.1	Supply & Install Plant Room Door with Sound Attenuated Inlet & Outlet Louvres	Prov. Sum	1	R 10 000,00	
3.1(a)	Contractor's charges in respect of Item 3.1	%			
3.2	Refurbishment of existing concrete platform for the generators.	Prov. Sum	1	R 100 000,00	
3.2(a)	Contractor's charges in respect of Item 3.2	%			
3.3	Upgrade of the existing Day Tank, Bulk Diesel Tank, interconnecting pipework, fuel system, cable reticulation & connections. Supply, deliver, install, test and commission above ground self banded diesel tank adequate to offer 72 hours back up time – 6000 L. Note: The tank shall be installed outside the generator room. This includes decommissioning of the existing diesel tank.	Sum	1		
3.4	Bund wall to accommodate 6000L and be constructed that there is no leakage into the environment.	Sum			
3.5	Supply and install, deluge system for diesel tank protection	Sum			
3.6	Decommission & Disconnect the existing 1x 300kVA Standby Generator Set. Including Transportation to a designated ACSA storage and make provision for water proof covers. Including Removal and Safe Disposal of all other items.	Sum	1		
3.7	Supply and Install complete functional 2x 500 kVA generator system with diesel generator sets, associated auxiliaries, exhaust system, start-up system, fuel system, batteries, and charger, etc	Sum	2		
3.8	Disconnect & remove the existing LV Generator Control	Prov. Sum	1	R 5 000,00	
3.9	Supply & Install new LV Generator Control Panel, with the appropriate combination of Deep Sea "Auto Transfer Switch (ATS) control module" that has Load Sharing & Synchronising capabilities, Deep Sea "Auto Mains Failure (Utility) control modules" (AMF per generator), motorised circuit breakers, generator protection relays, etc - Refer to Tender Scope of Works	Prov. Sum	1	R 50 000,00	
3.10	Loading, Delivery & Offloading to Site	Sum	1		
3.11	Power and control cable runs between the alternator and Standby Generator Control panel	Sum	1		
3.12	Testing & Commissioning (including Diesel required for FAT & SAT) and all applicable compliance certificates.	Sum	1		
3.13	Travelling of appointed Engineer to observe & approve the Factory Tests of the generator sets and control panel at the premises of the manufacturer, if not situated within the Frances Baard District Municipality	Prov. Sum	1	R 10 000,00	
3.13(a)	Contractor's charges in respect of Item 3.13	%			
3.14	Supply and install SMA Fuel Save System to provide an interface between the two new 500 kVA Diesel Generators and the existing 500 kWp Solar Photovoltaic (PV) Plant	Prov. Sum	1	R 850 000,00	
3.14(a)	Contractor's charges in respect of Item 3.14	%			
3.15	4 Wire metering configuration and Time-of-use bulk meter	Sum	1		
3.16	Upgrade of SCADA System and Centralised Operating Desk with a modern system.	Prov. Sum	1	R 560 000,00	
3.16(a)	Contractor's charges in respect of Item 3.16	%			
3.17	Backup power supply to the fuel depot	Sum	1		
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**BILL 4: BUILDING WORKS TO ACCOMMODATE ADDITIONAL 500 kVA GENERATOR**

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
5	<b>SUBSTATION BUILDING REFURBISHMENT</b>				
5.1	Supply and Install all materials, labour and equipment for completion of the room to house the additional new 2x 500 kVA, in accordance with SANS 10400, SANS 204, local Municipal by-laws and the generator manufacturer specifications. Completion of all necessary compliance certificates to allow Client occupation of the building. Detailed BoQ to be provided by the contractor upon contract award.	Prov. Sum	1	R 1 500 000,00	
5.1(a)	Contractor's charges in respect of Item 5.0	%			
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**BILL 4: SUPPLY & INSTALLATION OF UNINTERRUPTED POWER SUPPLY EQUIPMENT**

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
5	<b>TERMINAL BUILDING SUBSTATION EXTENSION</b>				
5.1	Supply, deliver, install and commission 1x 50 kVA static UPS system for critical and sensitive loads. Note: The UPS specification included as part of the scope in the NEC3 ECC (Part C3) is provisional and must be validated and updated by the Contractor's appointed Electrical Engineer.	Sum	1		
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**BILL 6: RATES FOR DAYWORKS**

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
<b>6</b>	<b>DayWorks Rates</b>				
6.1	Foreman/ Supervisor				
(a)	Normal Working Hours	Hour	1		Rate Only
(b)	Overtime	Hour	1		Rate Only
(c.)	Sunday Time	Hour	1		Rate Only
6.2	Qualified Artisan		1		
(a)	Normal Working Hours	Hour	1		Rate Only
(b)	Overtime	Hour	1		Rate Only
(c.)	Sunday Time	Hour	1		Rate Only
6.3	Labourer		1		
(a)	Normal Working Hours	Hour	1		Rate Only
(b)	Overtime	Hour	1		Rate Only
(c.)	Sunday Time	Hour	1		Rate Only
6.4	Engineer				
(a)	Normal Working Hours	Hour	1		Rate Only
(b)	Overtime	Hour	1		Rate Only
(c.)	Sunday Time	Hour	1		Rate Only

\*Note: Dayworks rates will only be considered for additional work instructed by the Engineer/ ACSA not related to any aspect of the Specified Scope of Works

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**SUMMARY OF PRICING SCHEDULE FOR THE REPLACEMENT OF THE DIESEL GENERATOR AT KIMBERLEY AIRPORT**

ITEM	DESCRIPTION	TOTAL RAND
1.	BILL 1: PRELIMINARY AND GENERAL <i>(Carried forward)</i>	
2.	BILL 2: PROFESSIONAL SERVICES (PROJECT MANAGEMENT, ENGINEERING SERVICES, SITE SUPERVISION & CLOSEOUT) <i>(Carried forward)</i>	
3.	BILL 3: MAIN SUBSTATION 2 x 500kVA GENERATORS <i>(Carried forward)</i>	
4.	BILL 4: BUILDING WORKS TO ACCOMMODATE ADDITIONAL 500 kVA GENERATOR <i>(Carried forward)</i>	
5.	BILL 4: SUPPLY & INSTALLATION OF UNINTERRUPTED POWER SUPPLY EQUIPMENT <i>(Carried forward)</i>	
6.	DayWorks (Provisional Sum)	R 100 000,00
7.	Training of Client Staff (Sum)	
8.	<b>SUB-TOTAL 1 (EXCLUDING VAT)</b>	
9.	Contingency at 15% of Sub-Total 1	
10.	Add 15% VAT	
11.	<b>TOTAL FOR ELECTRICAL INSTALLATION (INCLUDING VAT) - Carry over to the C1.1 Form of Offer in the NEC3 ECC</b>	