

Technical Evaluation Criteria for SAP Item 0728544 – SF6 Optical Gas Camera

Evaluation Methodology

The evaluation will be performed by the Eskom evaluating representatives. It begins at Level 1 followed by Level 2 and then proceeds to Level 3.

Level 1 will include the desktop evaluation of the mandatory criteria. Submissions failing to meet the requirements at Level 1 will be deemed non-responsive and will be immediately disqualified and removed from further evaluation. Submissions meeting the requirements will proceed to Level 2.

Level 2 will include a desktop evaluation of the functional criteria. The submissions will be evaluated and scored. Submissions failing to meet the stipulated threshold at Level 2 will be deemed non-compliant and will be immediately disqualified and removed from further evaluation.

The Level 2 threshold is set at 80%.

Evidence required for Level 1 and Level 2 evaluations must be submitted by the tender closing date.

Submissions meeting the requirements will proceed to Level 3.

Level 3 is the sample evaluation. The Level 3 threshold is 100%. Failure to meet the threshold of 100% will be deemed non-compliant.

Deviations or deficiencies identified during functional evaluation and/or sample evaluation must be addressed prior to contract award.

Level 1 - Mandatory Criteria and Returnable

No	Criterion	Returnable
1	The product offered performs sulphur hexafluoride (SF6) gas detection in real-time.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.
2	The product offered is hand-held and freely mobile (i.e. not tethered)	
3	The detector is suitable for outdoor use.	

Level 2 - Functional Criteria and Returnable

The functional threshold is set at 80%. Submissions failing meet the threshold will not proceed further.

Part marks will be allowed as indicated in the scoring column of the criteria table.

The total available points = 100%.

No	Criterion	Returnable	Scoring
• Detector Camera Requirements			
1	Must meet a minimum resolution of 320 x 240 pixels	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	10%
2	Must allow for manual and autofocus.		5%
3	Gas sensitivity must be suitable for leak detection in outdoor and indoor environments from safe working distances i.e. at 1m away from apparatus.		10%
4	Must allow up to 8 times continuous, digital zoom.		10%
• Screen Requirements			
5	The product offers an onboard screen for real-time detection.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	10%
6	The onboard screen can be rotated to allow for effective scanning.		5%
7	A graphical user interface is included via an onboard touch screen.		5%
• Features			
8	Records GPS location, date and time.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	5%
9	Includes capability for detection of other gases		5%
10	Includes capability for temperature range measurement in degrees Celsius		5%
11	Minimum battery life is 2 hours		10%
• Data and Storage			
12	Format of images must be JPEG as a minimum.	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be signed by the relevant OEM representative.	5%
13	Data will be stored on a removable SD card that can be downloaded to the user's laptop.		5%
• Components			
14	The following components are included with the detector: 1. Battery 2. Charger with South African plug 3. Hand and Neck Strap 4. Transport bag/case 5. SD Card 6. Download cables	A product brochure confirming this requirement or letter from the OEM if the required information is not contained on existing brochures. Note the letter must be on the OEM's letterhead and must be	Total = 10% 1% per item

	7. Required tools 8. Lens cap 9. Operation manual 10. Software licence for 3 Users	signed by the relevant OEM representative.	
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Level 3 - Sample Criteria and Returnable

The functional threshold is set at 100%. Submissions failing meet the threshold will not proceed further.

No part marks are allowed.

Eskom reserves the right to allow concessions related to deviations at this stage.

Note – due to the high cost of the item, Eskom reserves the right to perform the sample evaluation over MS Teams or in person, in a manner that effectively demonstrates the compliance of the product offered. The supplier will be allowed to be present to perform the required demonstrations.

No	Criterion	Returnable	Scoring Model
1	All components and parts stated in the evidence at stage 2 are supplied with the sample.	Detector along with: 1. Battery 2. Charger with South African plug 3. Hand and Neck Strap 4. Transport bag/case 5. SD Card 6. Download cables 7. Required tools 8. Lens cap 9. Operation manual 10. Software licence	25%
2	Detector effectively identifies SF6 gas leak in real-time.	Demonstration	50%
3	Leak is recorded with GPS data, date and time stamp and stored on the SD card for future retrieval.	Demonstration	25%