

Group Commercial

Research, Testing and Development – R, T&D

Date:

15th October 2025

Enquiries:

TECHNICAL EVALUATION FOR THE SUPPLY AND DELIVERY OF SULPHUR DIOXIDE, NITROGEN DIOXIDE AND OZONE ANALYSER

Technical Criteria	Rating	Evaluation Returnable	Technical scoring
SO2 analyser Specifications of equipment should be as follows: Range: 0–10 ppm 0–25 mg/m3 Extended Ranges: 0–100 ppm 0–250 mg/m3 Lower Detection Limit: 2 ppb (10 second averaging time) 1 ppb (60 second averaging time) 0.5 ppb (300 second averaging time) Zero Drift: <1 ppm Span Drift: ±1% full-scale Response Time: 80 sec (30 seconds averaging time) 110 sec (60 second averaging time) 320 sec (300 second averaging time) Zero noise: 1.0 ppm RMS (10 second averaging time) 0.5 ppm RMS (60 second averaging time) 0.25 ppm RMS (300 second averaging time) Operating temperature: 15–35 °C (may be safely operated over the range of 0–45 °C) Applicability: for measuring sulphur dioxide levels in air, primarily for air quality monitoring applications	50%	Manual for the equipment the supplier is intending to supply	Submission of instrument manual specifying the following: Range: 0–10 ppm 0–25 mg/m3 Extended Ranges: 0–100 ppm 0–250 mg/m3 Lower Detection Limit: 2 ppb (10 second averaging time) 1 ppb (60 second averaging time) 0.5 ppb (300 second averaging time) Zero Drift: <1 ppm Span Drift: ±1% full-scale Response Time: 80 sec (30 seconds averaging time) 110 sec (60 second averaging time) 320 sec (300 second averaging time) Zero noise: 1.0 ppm RMS (10 second averaging time) 0.5 ppm RMS (60 second averaging time) 0.25 ppm RMS (300 second averaging time) Operating temperature: 15–35 °C (may be safely operated over the range of 0–45 °C) No submission of instrument manual specifying the following: Range: 0–10 ppm 0–25 mg/m3 Extended Ranges: 0–100 ppm 0–250 mg/m3 Lower Detection Limit: 2 ppb (10 second averaging time) 1 ppb (60 second averaging time) 0.5 ppb (300 second averaging time) Zero Drift: <1 ppm Span Drift: ±1% full-scale Response Time: 80 sec (30 seconds averaging time) 110 sec (60 second averaging time) 320 sec (300 second averaging time) Zero noise: 1.0 ppm RMS (10 second averaging time) 0.5 ppm RMS (60 second averaging time) 0.25 ppm RMS (300 second averaging time)

Chemiluminescence NOx analyser (220 – 240VAC) complete with the following			Operating temperature: 15–35 °C (may be safely operated over the range of 0–45 °C) - - No submission of instrument manual specifying the following: -Operating and maintenance manuals -220 – 240VAC pump -Teflon inlet sample filter holder -Analyser operating ranges 0 -0.5ppm and 0 –1.0ppm -US EPA or TUV approved - One consumable kit for one year's operation - Continuous analogue output (0 – 1VDC)
Ozone analyser			No submission of instrument manual specifying the following: -Ozone analyser (220 – 240VAC) - Operating and maintenance manuals - 220 – 240VAC pump - Teflon inlet sample filter holder - Analyser operating ranges 0 -0.5ppm and 0 – 1.0ppm - US EPA or TUV approved - One consumable kit for one year's operation -Continuous analogue output (0 – 1VDC) -Manual specification including submission of the brochure and data sheet- 50% -Submission of brochure and data sheet only – 30 -Submission of brochure only or data sheet only – 10% -Not meeting the specification- 0%

Ability to provide after sale support and maintenance.	30%	Submit letter of support from their suppliers.	Service providers who will be using local agents are required to submit letter of support from their suppliers. <i>Note: Service providers that have worked with Eskom before or currently have existing maintenance contracts will be scored based on their customer service satisfaction.</i> Submission of after sales support letter on maintenance repair, user guidance and supply of spare parts= 30% score Submission of support letter on maintenance and repair only- 20% score Submission of support letter of supply of spare parts only- 10% No submission of after sales support letter= 0% score
Guarantee Documented proof of guarantee provided	10%	Letter of Guarantee as per the quotation in PDF format	Provided letter of Guarantee on the quotation with: - 3-4 years = 10% - 1-2 years = 5% - <1 year = 0%
References of supply and delivery of gas analysers used for ambient air quality monitoring	10%	Proof of work done for a similar transaction such as purchase order or delivery note in pdf format N.B. the purchase order number will be verified	Submission of delivery notes: >6 references = 10% 3 to 5 references = 7% 1 to 2 references = 4% 0 references= 0%

The qualifying threshold for all the suppliers is 80%.