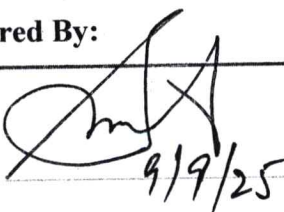
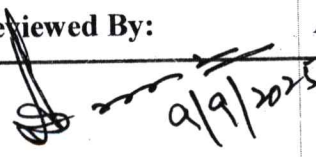
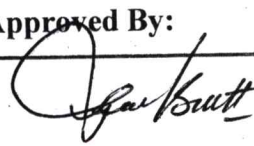




Sui Southern Gas Company Limited
Technical Services Division
LPG - Air Mix Plant Department
True-RMS AC/DC Clamp Meter

Doc. No. 033

PROCUREMENT OF TRUE-RMS AC/DC CLAMP METER

Date	Prepared By:	Reviewed By:	Approved By:
09-September-2025	 9/9/25	 9/9/2025	

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1 TERMS OF REFERENCE

1.1 INTRODUCTION

SSGC intends to procure 03 No. True-RMS AC/DC Clamp Meters that can perform true RMS measurement of current, simply by clamping it around a circuit. In addition to current, it must show voltage measurement, frequency measurement, inrush current measurement, resistance measurement, diode measurement, capacitance measurement, temperature measurement, voltage detection, and DC power measurement.

Technical specifications of the same are also attached with this document, which would be considered as the evaluation criterion for selection of the material.

1.2 SCOPE OF WORK

The scope of work for contractor / vendor / supplier includes:

- a) Provision of 03 No. True-RMS AC/DC Clamp Meters at SSGC KT (Karachi Terminal) Store in Karachi.

1.3 ITEM DELIVERY TIMELINES

The contractor / vendor shall be obliged to deliver the package / item within **08 weeks** after issuance of Purchase Order.

1.4 TENDERING MODE

The tender shall be processed under single stage single envelope bidding procedure.

1.5 PAYMENT SCHEDULE

The payment to the contractor / vendor / supplier shall be processed after inspection of the material post to delivery of material in the KT Store.





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1.6 BILL OF QUANTITY / SCHEDULE OF REQUIREMENT

Sr. No.	Description	Quantity (Nos.)	Unit Price	Total Price
1	True-RMS AC/DC Clamp Meter	03		





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1.7 SPECIFICATIONS OF TRUE-RMS AC/DC CLAMP METER

S#	Parameter	Range
1	Maximum Voltage (Between any terminal and earth ground)	1000 V
2	AC voltage	1000 V Accuracy: 1.5 % $\pm$ 5 digits (20 Hz to 500 Hz)
3	DC voltage	1000 V Accuracy: 1 % $\pm$ 5 digits
4	mV dc	500.0 mV Accuracy: 1 % $\pm$ 5 digits
5	AC current via jaw	1000 A Accuracy: 2 % $\pm$ 5 digits (10 Hz to 100 Hz)
6	DC current	1000 A Accuracy: 2 % $\pm$ 5 digits
7	Frequency via jaw	5.0 Hz to 500.0 Hz (Accuracy 0.5 % $\pm$ 5 digits)
8	Frequency via flexible current probe	5.0 Hz to 500.0 Hz (Accuracy 0.5 % $\pm$ 5 digits)
9	Resistance	60 k Ω (Accuracy 1% $\pm$ 5 digits)
10	Capacitance	1000 μ F (Accuracy 1% $\pm$ 4 digits)
11	Polarity	Automatic
12	Batteries Type	2 AA, NEDA 15A, IEC LR6
13	APO Timing (Automatic Power OFF)	Idle for 30 minutes
14	AC measurement method	True RMS measurement
15	Safety	• IEC 61010-1, Pollution Degree 2 • IEC 61010-2-032: CAT III 1000 V / CAT IV 600 V • IEC 61010-2-033: CAT III 1000 V / CAT IV 600 V





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16	IP rating	IEC 60529: IP30
17	Electromagnetic Compatibility (EMC)	International: IEC 61326-1: Portable, Electromagnetic Environment, IEC 61326-2-2 CISPR 11: Group 1, Class A
18	Operating temperature and humidity	-10°C to 50°C, 90% RH
19	Storage temperature and Humidity	-40°C to 60°C , 90% RH
20	Jaw Opening	Minimum 34 mm
21	Measurement category	CAT III 1000 V
22	Warranty	01 Year

1.8 STANDARD ACCESSORIES:

- i) One (01) Carrying case for each.
- ii) Two (02) Batteries for each, Total Six (06) Batteries.

