



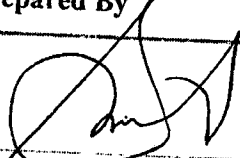
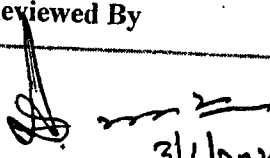
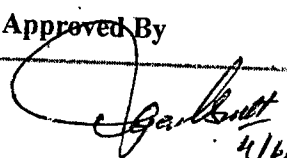
Sui Southern Gas Company Limited
Technical Services Division
LPG - Air Mix Plant Department
Specifications for UPS Batteries

Doc. No. 026

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SSGC/LP/EPADS/32/208/500

**TECHNICAL SPECIFICATIONS FOR THE PROCUREMENT OF UPS
BATTERIES FOR LPG AIR MIX PLANTS AT KOT GHULAM MUHAMMAD,
NUSHKI, SURAB AND GAWADAR**

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1. REQUIREMENT

S. No.	Description	Required for Location	Quantity Required
1	UPS Batteries	KGM, Nushki, Surab and Gawadar	40 Nos.

2. SPECIFICATIONS OF UPS BATTERIES

Capacity (25°C)	20HR(10.5V)	9Ah
	10HR(10.5V)	8.4Ah
	1HR(9.60V)	5.4Ah
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 19m Ω
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining Capacity: 91%
	6 months	Remaining Capacity: 82%
	12 months	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage (25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage (25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		2.7A
Maximum discharge current		135A (5 sec.)
Designed floating life (20°C)		5 years





3. INSPECTION AND TESTING REQUIREMENTS

- a. The Batteries should be factory tested in accordance with the applicable codes.
- b. The Batteries shall be inspected and tested for the following items as minimum requirement and in accordance with applicable codes and manufacturer's inspection and quality control program.
 - Appearance Inspection (Workmanship)
 - Visual Inspection
- c. Batteries shall be new and of good quality. If it prove unsatisfactory during inspection it shall be rejected.

4. DOCUMENTS & CERTIFICATES

- d. The supplier should provide at least one-year guarantee/warranty applicable from the date of purchase.

5. PACKING

1. The Batteries packaging should be intact and the package should be properly sealed.
2. Packaging materials must not interact physically or chemically with a packaged article in a manner that causes its safety, identity, strength, quality, or purity to fail to conform to established requirements.

