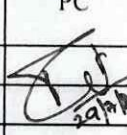




भारत हेवी इलेक्ट्रिकल लिमिटेड
BHARAT HEAVY ELECTRICALS LIMITED
पारेषण व्यापार अभियांत्रिकी प्रबंधन (TBEM)
नोएडा / TBG, NOIDA

DOCUMENT No.	TB-375-316-900	Rev 00	Prepared	Checked	Appd
TYPE OF DOC.	TECHNICAL SPECIFICATION	NAME	PC	VK	VK
SF6 GAS PORTABLE LEAK DETECTOR		SIGN			
		DATE			
		GROUP	TBEM		
		W.O. No	84004		
CUSTOMER/CONSULTANT	Gujarat State Electricity Corporation Limited, Vadodara, Gujarat/ Development Consultants Pvt. Ltd., Kolkata				

PROJECT	400kV GIS for 1x800 MW Wanakbori Thermal Power Station Extn. Unit-8
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SECTION 1

SCOPE, SPECIFIC TECHNICAL REQUIREMENTS AND QUANTITIES

1.0 SCOPE:

1.0.0 This technical specification covers the requirements of packing, dispatch, transportation to site of SF6 gas portable leak detector, complete with all accessories. No deviation from the requirements specified in Annexure-I shall be allowed.

1.1.0

Name of Customer : Gujarat State Electricity Corporation Limited, Vadodara, Gujarat

Name of Project : 400kV Switchyard (extn.) & 400kV GIS for 1x800 MW
Wanakbori Thermal Power Station Extn. Unit-8

Name of Consultant: Development Consultants Pvt. Ltd., Kolkata

2.0 SPECIFIC TECHNICAL REQUIREMENT:

2.1.1 The technical requirement shall be as per Annexure-I.

2.1.2 Bidder shall submit the valid test certificate for the quoted equipment for review by BHEL in the event of order before offering the respective item for inspection/dispatch.

3.0 BILL OF QUANTITY:

Description of item	Quantity	Unit
SF6 Portable Leak Detector (Make: DILO; Model-3-033-R002)	3	Nos.

4.0 TECHNICAL PRE QUALIFYING REQUIREMENTS:

Bidder shall be OEM for the respective equipment or Bidder shall provide the 'Authorized Distributor Certificate' from the manufacturer/OEM of the offered equipment.

For quick tracing of small SF₆ leaks

3-033-R002

SF₆-LeakPointer

The cordless battery-operated device measures in six sensitivity levels within a very short response time. The device switches automatically to the next higher level of sensitivity for detection of larger leaks. It is possible to switch over the device to the most sensitive measuring range by simply pressing the corresponding key.

The SF₆ concentration is displayed next to the indication of the measuring range by an LED bar display and an audible signal.



- Quick response time
- Low "Recovery" time
- Automatic switching over to levels of sensitivity
- Detection of leaks of up to 5 g / year
- Single-handed operation
- Battery-operated
- Temperature-compensated

SF₆ gas detectors

3-033-R002

SF₆-LeakPointer**Technical data:**

Dimensions with case: W 300 mm, H 75 mm, D 230 mm
Weight with case and accessories: 1160 g
Power supply: 3 x 1.5 V alkaline batteries C LR14
Sensitivity: 5 g SF ₆ / year
Operating temperature: -20 °C to +50 °C
Ambient moisture: up to 90 % relative moisture, non condensing during operation
Measuring principle: high voltage ionisation
Response time T90: approx. 1s
Recovery time: approx. 1s
Indication: 8 segment bar display + 7 LED measuring range indication + acoustic signal
Sensor length: 385 mm

Standard equipment:

Carrier case
Three 1.5 V alkaline batteries
Spare sensor
1 operating manual (multilingual) on CD-ROM

Optional accessories at an extra charge:

Spare sensor	5008743
Carrier case (for replacement)	5008963
Additional operating manual on CD-ROM	6-0004-R213

Packing:

Packing for 3-033-R002	6-0004-R039
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