

SIGN & DATE

SUPERSEDES INVENTORY NO.

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PRODUCT STANDARD TURBOGENERATOR ENGINEERING

TG 60436

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BASED ON OWN EXPERIENCE

PORTABLE GAS ANALYSER

1.0 SCOPE

This specification covers the requirement of portable gas analyser alongwith accessories for detection of H2 gas concentration in Hydrogen cooled Turbogenerators. This item is proprietary in nature.

2.0 DESIGNATION

Portable gas analyser shall be designated as below:

2.1 ON DRAWING AND INDENTS

(a) Material specification column: TG60436

(b) Description column : PORTABLE GAS ANALYSER

(c) Material code column : W90415000114

2.2 ON ENQUERIES AND PURCHASE ORDERS

In addition to incorporating the above infomation, a copy of gas analyser shall be enclosed.

3.0 TECHNICAL DETAILS

3.1 The copy of gas analyser shall be Exoteetor G634P

Accessories :

(i) Leather core - 1no Art no.1600209

(ii) Shoulder strap with probe - 1no
holder Art no.1000201

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JRY NO.	4809	01 REAFFIRMED 27. 04 - 2005			APPROVED (A)	C. ARON) G GM (TGE)	GR. NO 197 8.10
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अ	W. Carrier	TURBOGENERATOR ENGINEERING	Page 7	of 3					
COPY RIGHT & CONFIDENTIAL ment is the property of BHARAT HEAVY ELECTRICALS LIMITED, y or indirectly in and way detrimental to the interest of the company.	3.3.3 3.3.4 3.3.5	(iii)Universal charger - lno 230v,50Hg Art no.1600211 (iv) Telescopic probe 1.36m - lno complete with 50cm sampling line Art no.1000205 (V) Tranport case made of - lno Aluminium Art no.1600216 The gas analyser shall be explosion proof for hydrogen gas application. TECHNICAL DATA Gas supply: Built in sampling pump & diffusion. Detection Principle: a) Catalytic combustion(upto LEL) b) Thermal conductivity (LEL100 vol %) Detection range Range(i) 0-100% LEL of H2 Range(ii) 0-5000 ppm of H2 Display: Analog scale 45mm with range switch. Operational temperature: Upto 55°c.							
COP Gooument	<u>4.0</u>]	INSPECTION & TESTING		<i>,</i>					
on on this	4.1	Supplier shall indicate in his offer det carried out on the instrument.	tails	of tests					
formatic	carried out on the instrument. 4.2 Minimum following tests shall be carried out instrument. (i) Functional test								
The in									
	(ii) Accuracy test								
Sign & Date (25.1.8)	5.0 GUARANTTEE The instrument shall be generated for a trouble free service of minimum period of 18 months for the date of despatch.								
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PRODUCT STANDARD

TURBOGENERATOR ENGINEERING

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6.0 DOCUMENTATION

6.1 AT THE TIME OF OFFER

- (i) 2 Copies of detailed catalogue
- (ii) 2 copies of operating & maintenance instrument mannual

6.2 AFTER PLACEMENT OF ORDER

- (i) Operation & maintenance instruction manual
- 3 copies each
- (ii) Test certificates for test at 4.2(i)&(ii)
- 3 copies each
- (iii)Type test certificate
 for explosion Proofness
 of instrument
- 3 copies each
- (iv) Guarantee certificate

7.0 SUPPLIER.S NAME & ADDRESS

GESEELLSCHAFT FUR GERATEBAU mBH, KLONNESTRASSE 99-44143 DORTMUND GERMANY.

WORKED BY K.B.M.

CHECKED BY R.L.V.

P. 608 4

Sign & Date