

	<b>CORPORATE PURCHASING SPECIFICATION</b>	AA54401
		Rev No. 02
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## COMPRESSED ARGON GAS – GRADE 3

### 1 GENERAL

This specification governs the quality requirements of compressed Argon Gas, Grade 3.

### 2 APPLICATION

Used for welding and other technological purposes.

### 3 COMPLIANCE WITH NATIONAL STANDARDS

The material shall comply with the requirements of the following national standard and also meet the requirements of this specification:

IS 5760 : 1998, Gr.:3: COMPRESSED ARGON GAS

### 4 TEST SAMPLES

The gas cylinders shall be selected at random from the lot for testing Oxygen and water vapour content as per Appendix B of IS 5760.

### 5 PROPERTIES

When tested as per the test methods shown against each, the gas shall show the following properties:

#### 5.1 Oxygen (Appendix A-1 of IS 5760)

Shall not exceed 10 ppm.

#### 5.2 Water Vapour (Appendix A - 4 of IS 5760)

Shall not exceed 7 ppm by volume at 1 atmosphere.

### 6 TEST CERTIFICATES

Three copies of test certificates shall be supplied along with each consignment, giving the following information.

In addition, the supplier shall ensure to enclose one copy of the test certificate along with the despatch documents to facilitate quick clearance of the material.

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BHEL Order No.

Batch / Lot No.

Supplier's/ Manufacturer's Name & Grade

Test values obtained for compliance with Grade 3 of IS 5760

<b>Revisions:</b> As per clause 44.5 a) of MOM of MRC-CPO+NM			<b>APPROVED:</b> INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(CPO+NM)		
Rev No.02	Amd No.	Reaffirmed	Prepared HPBP, Trichy	Issued Corp.R&D	Dt. of 1 <sup>st</sup> Issue 01-01-1990
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## 7 PACKING AND MARKING

The gas shall be supplied compressed in cylinders. The design of cylinders, pressure of gas in cylinders, packing, marking, painting, labelling and transport of cylinders shall be in accordance with the 'Gas Cylinder Rules - 1940' of the Government of India with such modifications as may be ordered from time to time by the Chief Inspector of Explosives, Government of India or other duly constituted authority.

The cylinder shall be painted with peacock blue colour (Colour code No. 103 of IS 5).

The cylinders shall also be marked with the BIS certification mark.

All cylinders shall be securely tagged with the following information:

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BHEL Order No.

Suppliers / Manufacturer's Name & Grade

No. of Cylinders

Net and Gross weight

## 8 ENVIRONMENTAL REQUIREMENTS

The supplier shall furnish Material Safety Data Sheet (MSDS) covering all information relating to human safety and environmental impacts of the hazardous materials particularly during their transportation, storage, handling and disposal along with each supply.

Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable.

## 9 REFERRED STANDARDS (Latest Publications Including Amendments)

- 1) IS 5