

PRE-QUALIFICATION REQUIREMENT forArgon Gas UHP (Grade-1)02.08.2023

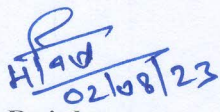
Ref. – Indent no.-20230195

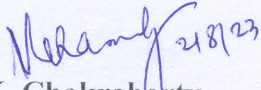
Item- UHP Argon Gas (Grade-1)

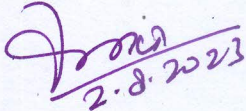
Qty. of Indent- 40000 CuM

PRE-QUALIFICATION REQUIREMENT:

- 1) The participated vendor must have **supplied** minimum 4000 CuM of UHP Argon gas (Grade-1) with Argon purity 99.999% min in one financial year within a period of last five years from the date of opening tender.
- 2) As a supporting document to Point (1) following has to be provided:
  - a) **Proof of Order:** copy of Purchase Orders/Purchase Agreements etc.
  - b) **Proof of Supply:** Copy of Invoice/ any other document to confirm supply of material against above Purchase Order.
  - c) **Proof of Quality:** Copy of Test Certificate required (if Argon purity is not mentioned in PO/ Invoice copy)

  
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Sr Manager (SMS)

  
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SDGM (QM)

  
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AGM (SMS & SC)



## COMPRESSED ARGON GAS

### 1. SCOPE

This specification governs the quality of Compressed Argon Gas.

### 2. APPLICATION

Used for Vacuum Spectrometer and purging of liquid steel.

### 3. CONDITION OF DELIVERY

The gas shall be supplied compressed in cylinders.

### 4. COMPLIANCE WITH NATIONAL STANDARDS

The material should conform to Indian Standard specification  
IS : 5760-1998 Grade : 1

### 5. FREEDOM FROM CONTAMINATION

The Argon gas shall have no extraneous contamination.

### 6. PROPERTIES :

The argon gas should be of **ultra high purity** grade. The argon gas shall conform to the following characteristics when it is analyzed in accordance with IS: 5760-1998 Grade : 1.

Characteristic	MIN (PPM)	MAX (PPM)
Oxygen	-	0.5
Nitrogen	-	2.0
Hydrogen	-	1.0
Water Vapour	-	0.5
CarbonDioxide	-	0.5
CarbonMonoxide	-	0.5
Hydrocarbon	-	0.2

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RMI	S.N.GHOSH	<i>[Signature]</i>	WORKED BY	M.K.SAHU	<i>[Signature]</i>
MPIC	SHYAM BABU	<i>[Signature]</i>	CHECKED BY	RANJAN	<i>[Signature]</i>
CHAIRMAN CPSC	K.B.SUBRAMANYAM	<i>[Signature]</i>	SUPERVISED BY	S.V.S.NARAYANA	<i>[Signature]</i>
APPROVED : <b>PLANT STANDARDS COMMITTEE</b>					
			PREPARED : SMS TECH	ISSUED : Steel Melting Shop	DATE : 07-09-09



## 7. INSPECTION

- CFFP reserves the right to witness the testing of the material at supplier works and therefore the supplier shall notify the readiness of the material in advance.
- CFFP may, at its discretion, test the material after receipt and acceptance of the material will be based on the CFFP's test results.
- For any deviation from this specification prior approval shall be taken by the supplier.
- For result of analysis and properties of material the decision of CFFP shall be final and binding on the supplier.
- If the material is not conforming to this specification, it is liable to be rejected and the supplier shall replace the same.

## 8. TEST CERTIFICATES

One Original and three copies of Test Certificate from the **original manufacturer** containing the following information should be provided.

- Manufacturer's Name
- Name of the material
- Batch/Lot No.
- Quantity.

Note:

- A manufacturer supplying directly to BHEL should include BHEL's P.O. No. and Challan No. also in the TC.
- Any other supplier should provide a covering letter along with **original Manufacturer's TC** as above mentioning BHEL'S P.O. No. and Challan No.

## 9. PACKING AND MARKING

The gas shall be supplied compressed in cylinders. The design of cylinders, pressure of gas in cylinders, packing, marking, painting, labeling and transport of cylinders shall be in accordance with the 'Gas Cylinder Rules - 1981' 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. It should be in the **original manufacturer's packing.**

All cylinders shall be securely tagged with the following information :

- Compressed Argon Gas Grade-1
- BHEL Order No-
- Supplier's/Manufacturer's Name & Grade :
- Net & Gross Weight

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

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WORKED BY	M.K.SAHU		07/09/09
CHECKED BY	RANJAN		07-09-09

**REVISION RECORD SHEET**

SN	Revision No.	Revision date	Nature of Changes
01.	01		-
02.	02	07.09.2009	-Clauses 8 and 9 revised incorporating requirement of manufacturer's packing and Test certificate. -Clause 6 modified, argon gas of grade 3 has been removed.

ISSUED BY:	SMS	WORKED	M.K.SAHU <i>MKS</i>
REVISION	02	DATE: 07.09.2009	CHECKED RANJAN <i>Ranjan</i>
AGREED	PLANT PUR. SPEC.COMMTTEE	APPROVED	P.P.S.C.

## Other Terms and conditions

1. Material shall be supplied as per attached specification as per Specification FF05039Rev 02.
2. Prices to be quoted on F.O.R. CFFP BHEL Haridwar basis.
3. Delivery period shall be as per GeM bid (On intimation basis).
4. Quantity tolerance will be  $\pm 5$  % of tendered quantity.
5. All the charges (Freight, insurance, cylinder charges, GST etc.) are inclusive in the quoted rate.
6. Ordered quantity is valid for 2 years of supply from contract date.
7. Intimation of Argon cylinders will be given approximately on Weekly basis.
8. Requirement of Argon gas per intimation shall be approx. 420 - 490 CuM / 60-70 filled Cylinders.
9. Argon cylinders are required to be delivered at CFFP within 2-3 days from date of intimation. However, BHEL reserves the right to call any no. of cylinders with mutual agreement.
10. Vendor has to keep stock of minimum 150 cylinders at CFFP, separate rent will not be paid for cylinders.
11. Maximum holding time for every cylinder at CFFP will be 6 months after delivery of cylinder at CFFP.
12. Oxygen and moisture shall be max. 2.00 ppm.
13. Argon Purity in the supply should be of UHP Grade-1 i.e. 99.999% purity.
14. Delivery Gas Pressure in supplied cylinder should be 135-150 Kg/cm<sup>2</sup>
15. PAYMENT TERMS: 100% payment will be made to the seller within 45/60/90 days (as per below mentioned) after receipt; subject to acceptance of material at CFFP / BHEL, Haridwar through e-payment by the Buyer.

Type of bidder Payment Term,	(Number of days)
Micro and Small Enterprises (MSEs, Only Manufacturers)	45 days
Medium Enterprises (Only Manufacturers)	60 days
Non MSME	90 days

Participating MSME bidders which are already registered with CFFP BHEL, need to ensure that their latest MSME status is updated with CFFP for getting above payment preference. Also, MSME bidders not registered with CFFP should provide copy of "previous financial year's audited balance sheet and P&L statement" along with UDYAM certificate for availing above mentioned payment preference.

16. RISK PURCHASE: In case of abnormal delays (beyond the maximum late delivery period as per LD clause) in supplies / defective supplies or non-fulfilment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be take

n as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract or under General Law.

17. PO delivery date is tentative in nature. However, Argon gas shall be delivered for the part quantity as and when requirement basis.
18. Cylinder repair & maintenance to be done by supplier. No separate cost will be paid by BHEL Haridwar. In case, any defective cylinder is found in supply, it will not be considered for material clearance.
19. Vendor has to ensure to provide safety caps /protection for cylinder valves.
20. The enquiry quantity is subjected to part delivery on as and when requirement basis. Thus there may be multiple lot of supply to complete enquiry/PO quantity.
21. All cylinders are required to be examined and tested periodically as per the Govt. rules, responsibility for compliance with these tests will be on the seller, who will carry out test as may be required.