



**CORPORATE STANDARD FOR
PERSONAL PROTECTIVE EQUIPMENT**

HSE / PPE

Rev. No. 00

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h) PLAIN GLASS FOR ARC WELDING

1.0 Scope

This standard covers the requirement of plain glass protective cover for arc welding

2.0 Compliance with Standards

It shall comply with the standards IS : 5983 – 1980 Reaffirmed 1997

3.0 Technical Requirement

1. It shall be made of clear glass, and shall be free from optical defects, lens or prism defects and shall be of uniform surface.
2. It shall have transmission to visible light not less than 85%
3. The thickness shall be $2.0 + 0.5/-0$ mm
4. The size shall be $105 \times 80 +4/-0$ mm.

4.0 Sample

Sample shall be supplied along with offer for approval only for first time supplier and supplies made after 3 years.

5.0 Test certificate

5.1 The supplier shall submit the test certificate as per IS along with the bulk supply.

- a) Material quality
- b) Optical property
- c) Shatter proof quality

5.2 The test certificate shall also indicate the following

- 1) BHEL PO number
- 2) Batch No. & Date

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6.0 Packing
The glass shall be supplied with good quality box for protection from damage.

7.0 Marking

8.0 Inspection
Inspection will be carried out at our works with reference to the acceptable sample and test reports, BHEL will inspect at the works wherever required.

9.0 Guarantee Certificate
Guarantee Certificate to be given for any manufacturing defects along with its consignment for free replacement within six months from the date of receipt at stores

10.0 Enquiry specification
The PI and Enquiry shall have the latest copy of the specification as "Plain glass" as per BHEL Corporate standard _____".