

**SCOPE**

This standard covers the requirement of Spectacle Type Safety Goggles.

**COMPLIANCE WITH STANDARDS**

- It shall comply with the standards IS:5983 / EN:166/ ANZI Z87.1
- Authenticated photo copies of the latest test certificates (from OEM's, national Accredited Test Laboratories) to be submitted along with the offer.
- For each PPE specifications, the vendor/bidder shall confirm their acceptance to the BHEL specifications by signing and stamping on it.

**TECHNICAL REQUIREMENT**

- This is desired to be used in metal processing shops, construction areas and outdoor applications.
- The frame should be made up of nylon/plastic, should be of hinged type for folding.
- The material of the lens should be of high impact resistant optical class 1, zero power, polycarbonate hard-coated lens for scratch resistance.
- The lens shall be toughened and shall pass the mechanical impact resistance test and shall be non-fogging type.
- The thickness of the lens should be 1.5 mm(min) and 2.5 mm (max)
- Should be ergonomically designed and the nose bridge should be such as to provide wide coverage to protect complete eyes and be comfortable and fit for all day long use.
- Weight of the goggle should not be more than 30 grams.
- The goggle should be tested at elevated temperatures, resistant to corrosion, resistant to ignition and optically tested. It should also be tested for disinfection, increased robustness.

**TEST CERTIFICATE**

The supplier shall submit test certificate along with bulk supply should be as follows

**PACKING**

The goggles shall be supplied, packed in protective pack for protection from dust & damage.

**MARKING**

The goggle should be marked with Supplier identity/manufacturer's name/brand name and month & year of manufacturing

**SAMPLE**

Sample to be submitted along with technical bid for technical scrutiny & evaluation.

**INSPECTION**

Inspection of goggle will be carried out at our works with reference to provided dimensions and test certificate.

**GUARANTEE CERTIFICATE**

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

REV NO  
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ISSUE DATE  
29.11.22