



कार्यालय स्वास्थ्य, सुरक्षा एवं पर्यावरण विभाग,

बी.एच.ई.एल.- हीप, रानीपुर, हरिद्वार- उत्तराखण्ड-249403

S.N.- HSE/HEEP/2017-18/PQR/Plain glass

दिनांक- 20.12.2017

PRE-QUALIFICATION REQUIREMENT FOR VENDORS FOR PURCHASE OF PLAIN GLASS FOR ARC WELDING, INDENT NO. – 20172604

The Vendors meeting following criterions would only be considered:-

1. Vendor should be MSE as per the item no. 129 of List of Items Reserved for Purchase from Small Scale Industries Units issued by Development Commissioner (MSME), Ministry of Micro, Small & Medium Enterprises, dtd. Feb. 24, 2016.
2. Vendor/Suppliers shall submit Notarized MSE certificate along with technical offer.

Deen Dayal
Deen Dayal
A.E. (HSE)
20-12-17

Sr. Manager (HSE)

Head/AGM (HSE)

20-12-17

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**PLANT PURCHASING SPECIFICATION
HEEP – HARDWAR**

SIGN. & DATE:

SUPERSEDES
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PLAIN GLASS FOR ARC WELDING

1.0 Scope

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

2.0 Compliance with Standards

It shall comply with IS: 5983 - 1980 Reaffirmed 1997 & IS 1179 – 1967, 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. It shall be of size 105mm X 80mm +4/-0 mm suitable to fit in the welding shield.

4.0 Sample

Sample shall be supplied along with technical offer for approval.

5.0 Packing

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

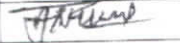
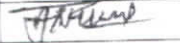
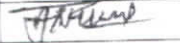
SIGN &
DATE

	NAME	DESIGNATION	SIGNATURE	DATE
WORKED	ABHAI SINGH	SAFETY OFFICER / DY. MANAGER		22-11-11
CHECKED	JAGAT NARAIN	SAFETY OFFICER / SR. MGR.		22-11-11

INVENTORY NO.

REF: CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT FACE PROTECTION		APPROVED BY V. K. SAXENA DGM (HSE)	
Revision No.	PAGE NO	ITEM CODE ISXW00200875	DATE OF ISSUE
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SUPERSEDES INVENTORY NO.		6.0 Inspection Inspection will be carried out at our works with reference to the accepted sample and test reports. 7.0 Guarantee Certificate Guarantee certificate to be given for any manufacturing defects along with its consignment for free replacement with in Six months from the date of receipt at stores.																		
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PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

BHEL/HEEP/HSE/11/05

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COMBINATION UNIT OF SAFETY SHOWER AND EYE WASHER

1. Scope

This standard covers the requirement of Combination unit of Safety shower and Eye Washer.

2. Compliance with Standards

It shall comply with the IS 10592-1982 standards.

3. Technical Requirement

1. The safety shower should be able to wash the entire body surface with large volumes of water in the shortest time.
2. Eye washer must be provided with a pair of eyewash heads and a receptacle for collection and drainage of spilled water.
3. The unit should confirm Basic Design as per the clause 4.1 & 5.1 of IS 10592-1982.
4. The emergency shower should deliver a pattern of water with a diameter of at least 50.8 cm (20 inches) at 152 cm (60 inches) atmospheric pressure.
5. Shower head should be between 208.3 and 243.8 cm (82-96 inches) from the floor.
6. The minimum volume of spray should be 75.7 liters / minute (20 gallons / minute) for a minimum time of 15 minutes.
7. The shower should be designed in such a way so that it can be activated in less than 1 second, and it remains operational without the operator's hand on the valve (or lever, handle, etc.).
8. The valve should not be more than 173.3 cm (69 inches) in height.

NAME	DESIGNATION	SIGNATURE	DATE
WORKED ABHAI SINGH	SAFETY OFFICER / DY. MGR		07/08/09
CHECKED V.K. SAXENA	CHIEF SAFETY OFFICER/SR.MGR		07/8/09
APPROVED BY			
		AJEET KUMAR SHARMA DGM (HSE)	
Revision No.	Page No.	ITEM CODE ISXW00200018	DATE OF ISSUE

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PLANT PURCHASING SPECIFICATION HEEP – HARDWAR

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9. Eyewash stations should be designed to spray water on both eyes simultaneously at a volume of not less than 1.5 liters / minute (0.4 gallons / minute) for 15 minutes.
10. The spray should not be at a velocity which may injure the eyes.
11. The complete unit should be made from corrosion resistant materials.
12. The unit should confirm the performance as per clause 7.1 of IS 10592-1982.
13. The unit must be tested as per clause 4.4 & 5.4 of IS 10592-1982 for Shower and Eye Washer.

5.0 Test Certificate

The supplier shall furnish two sets of ink signed, original test certificates of the equipment as per requirements of relevant Indian standard 10592-1982. One set of test certificates will be required along with dispatch documents and the other along with supply of the equipment.

6.0 Marking & Packing

Marking and packing should be as per clause 8 of IS 10592-1982. Marking should be deep and adequate in size for clear vision.

7.0 Inspection

Inspection will be carried out at our works with reference to test report, BHEL will inspect at the works wherever required.

8.0 Guarantee Certificate

The supplier shall furnish guarantee against any design /manufacturing defect and performance guarantee of Combination unit as per quoted performance parameters for a period of 12 months from the date of acceptance of the equipment at our end.

SIGN &
DATE

INVENTORY NO.

	NAME	DESIGNATION	SIGNATURE	DATE
WORKED	ABHAI SINGH	SAFETY OFFICER / DY. MGR	<i>Abhai Singh</i>	07/08/09
CHECKED	V.K. SAXENA	CHIEF SAFETY OFFICER/SR.MGR	<i>V.K. Saxena</i>	07/8/09

APPROVED BY

Ajeet Kumar Sharma
AJEET KUMAR SHARMA
DGM (HSE)

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ITEM CODE
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PLANT PURCHASING SPECIFICATION **HEEP – HARDWAR**

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9.0 Operation, Maintenance & Spares:

- a. The supplier has to clearly mention periodic maintenance schedule for various components.
- b. The supplier must quote separately for recommended spares and consumables required for 3 years operations of the equipment and the offer should be valid for at least 12 months from the date of acceptance of the instrument at our end.

10.0 Document and Literature:

Four copies of descriptive leaflets, technical literature, operation and maintenance manual are to be supplied along with each equipment.

11.0 Users:

The supplier shall give a list of users of similar equipment supplied by them in India, along with their contact details. The contact details should contain name, address, department, telephone number, e-mail address, model of equipment, year of supply etc.

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CHECKED	V.K. SAXENA	CHIEF SAFETY OFFICER/SR.MGR	<i>V.K. Saxena</i>	07/8/09

INVENTORY NO.

APPROVED BY

Ajeet Kumar Sharma
AJEET KUMAR SHARMA
DGM (HSE)

Revision No.

Page No.

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DATE OF
ISSUE

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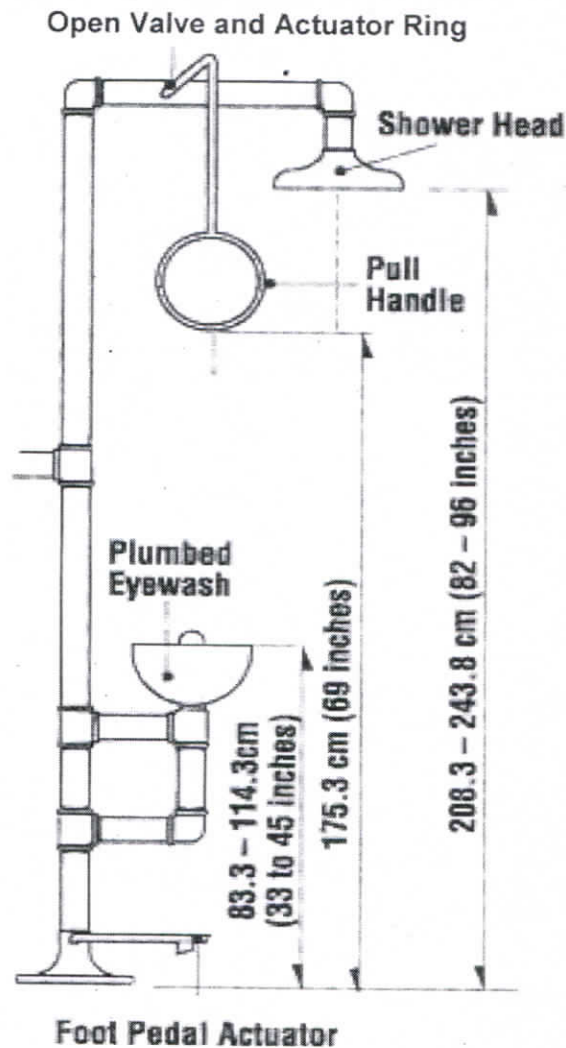
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PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

FIG.: COMBINATION UNIT OF SAFETY SHOWER AND EYE WASHER



SIGN &
DATE

WORKED

NAME
ABHAI SINGH

DESIGNATION

SAFETY OFFICER / DY. MGR

SIGNATURE

Abhai Singh

DATE

07/08/09

CHECKED

V.K. SAXENA

CHIEF SAFETY OFFICER/SR.MGR

V.K. Saxena

07/8/09

INVENTORY NO.

APPROVED BY

Ajeet Kumar Sharma
AJEET KUMAR SHARMA
DGM (HSE)

Revision No.

Page No.

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PLANT PURCHASING SPECIFICATION HEEP – HARDWAR

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PANORAMA SAFETY GOGGLE

- 1.0 Scope**
This standard covers the requirements of panorama goggles for use against flying particles.
- 2.0 Compliance with Standards**
It shall comply with IS 5983 - 1980 Reaffirmed 1997.
- 3.0 Technical Requirement**
1. Its design should be such type that it could be worn over numbered (power) spectacles.
 2. The frame shall be made out of good quality cellulose acetate/Soft PVC material, unbreakable and light in weight.
 3. It shall have two polycarbonate oculars, non fogging, clear visors of thickness 1.0mm to 1.5mm.
 4. The visor shall be free from optical defects like spots, holes, scoring, scratches, bubbles and mould marks.
 5. It shall give protection from flying materials in to the eyes.
 6. It should have indirect ventilation system to prevent fog, liquids and dust.
 7. It shall have 15mm wide adjustable, good quality headband.
 8. It shall withstand elevated temperatures.
 9. It should have films/strips with clear polyester adhesive system which can avoid light diffusion & eliminates distortion.
- 4.0 Sample**
Sample shall be supplied along with technical offer for approval.
- 5.0 Test Certificate**
- 5.1** The supplier shall submit the test certificate along with the bulk supply as per IS for
1. Material Quality
 2. Optical Property
- 5.2** The test certificate shall also indicate the following.
- a. P.O. Number
 - b. Batch No. & date

SIGN & DATE		NAME	DESIGNATION	SIGNATURE	DATE
	WORKED	ABHAJ SINGH	SAFETY OFFICER / DY. MGR.	<i>Abha Singh</i>	27/1/12
	CHECKED	JAGAT NARAIN	SAFETY OFFICER / SR. MGR.	<i>Jagat Narain</i>	27-1-12
INVENTORY NO.	REF: CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT EYE PROTECTION		APPROVED BY		
			<i>V.K. Saxena</i> 27-1-12 V.K SAXENA DGM (HSE)		
	Revision No.	PAGE NO	ITEM CODE		DATE OF ISSUE
	00	26	ISXW00202258		

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PLANT PURCHASING SPECIFICATION

HEEP - HARDWAR

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6.0 Packing

The goggles shall be packed in individual Hygienic box/pack.

7.0 Marking

The goggles shall be marked with following information

- a). ISI/CE/ANSI mark
- b). Supplier identity/manufacture name/brand name
- c). Month & year of manufacturing.

8.0 Inspection

Inspection will be carried out at our works with reference to the accepted sample and test reports.

9.0 Guarantee Certificate

Guarantee certificate to be given for any manufacturing defects along with its consignment for free replacement with in Six months from the date of receipt at stores.

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NAME	DESIGNATION	SIGNATURE	DATE
WORKED ABHAI SINGH	SAFETY OFFICER / DY. MGR.	<i>Abhai Singh</i>	27/1/12
CHECKED JAGAT NARAIN	SAFETY OFFICER / SR. MGR.	<i>Jagat Narain</i>	27-1-12

REF: CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT EYE PROTECTION		APPROVED BY <i>V.K. Saxena</i> 27/1/12 V.K. SAXENA DGM (HSE)
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PLAIN SAFETY SPECTACLES

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1.0 Scope

This standard covers Spectacles designed to protect eye from flying objects.

2.0 Compliance with Standards

- I. It shall comply to IS 7524, ANSI Z87.1:2003 and EN 166:2001.
- II. Authenticated photo copies of the latest test certificates (from OEMs, National Accredited Test Laboratories) to be submitted along with the offer.
- III. Vendor to furnish authorization letter from Principal/OEM against the enquiry quoted.
- IV. Vendor to submit along with the offer, authenticated copy of latest certificate of product conformity to relevant IS/EN/ANSI standards.

5.0 Technical Requirement

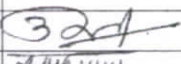
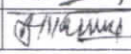
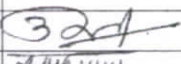
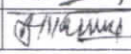
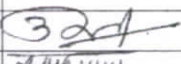
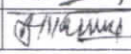
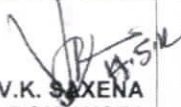
1. The frame shall be of good quality cellulose acetate/Light Weight Plastic material and shall have side shield/protection.
2. The Spectacle shall have clear polycarbonate lens of highest optical clarity.
3. The lens should withstand the steel-ball impact test as per the IS 7524 (Part-1)
4. The Lens shall have strong impact protection and shatter resistance and also lens have 99% UV protection.
5. The Spectacle shall have relevant markings on both lens & frame.
6. There should not be any defect either in the frame or in the Lens & both should be of smooth & fine surface quality.

6.0 Sample

Sample shall be supplied along with offer for approval. (Test certificate of sample to be submitted for approval)

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	WORKED	ABHAI SINGH	SAFETY OFFICER / DY. MGR		14/05/12
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SUPERSEDES INVENTORY NO.		5.0 Test Certificate Supplier shall submit the test certificates along with the bulk supply. 6.0 Marking The Spectacle shall be marked with the following information a) ISI/ CE/EN marks b) Supplier identity 7.0 Packing The Spectacle shall be packed & supplied in suitable cover for protection from dust, scratch and damage. 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. 10.0 Guarantee Certificate Guarantee certificate to be given for any manufacturing defects along with the consignment for free replacement within Six months from the date of receipt at our stores.																	
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