

C/6/90/259/1140/F

Annexure - A

**कार्यालय -स्वास्थ्य सुरक्षा एवं पर्यावरण विभाग ,  
बी.एच.ई.एल , हीप हरिद्वार**

S.N-HSE/HEEP/PQR/2019-20

Dated – 18/06/2019

PRE-QUALIFICATION REQUIREMENT (PQR) FOR VENDORS FOR PURCHASE OF  
ITEMS IN MPR NO -20190232

The Vendors meeting following criterion would be considered :-

1. Vendor should be Manufacturer Or their authorized dealer, Distributer ,  
supplier of Items Welding head shield, welding hand shield , face shield  
or welding accessories or safety products.
2. Authorized dealer, Distributer, Supplier should submit the  
authorization letter from their concerned Manufacturer

Head/AGM (HSE)

  
Kamal Kulshrestha  
Safety Officer

Item No- 1



# PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

 FORM DG 49  
 BHEL/HEEP/HSE/D/  
 03  
 Rev. No. 01 ✓

PAGE 1 OF 3

SIGN &amp; DATE

SUPERSEDES  
INVENTORY NO.WELDING HEAD SHIELD**1.0 Scope**

This standard covers the requirement of welding head shield.

**2.0 Compliance with Standards**

It shall comply with standards IS - 1179-1967 Reaffirmed 1997, & IS - 5983-1980 Reaffirmed 1997.

**3.0 Technical Requirement**

1. It shall be of strong vulcanized Fibre sheet having thickness not less than 1.0mm with clear finish.
2. It shall have the window as shown in the sketch.
3. It shall have the 4mm wing Nut with spring attachment for easy positioning.
4. It shall have an adjustable Head band made of PVC provided with soft Cellulose sponge at the front side of the Head band which must be covered by Rexene cloth.
5. It shall have a provision to allow the head shield to drop gradually and have stopper to arrest the fall.
6. It shall have a clamp to fit the lenses in the shield as shown in the sketch made of spring steel material. One spare clamp to be provided along with the shield.
7. The Head shield shall be in Black/brown colour and the construction as per our Drawing.
8. The total weight of the Head shield shall not exceed 380 gms.

**4.0 Sample**

Sample should be got Approved before bulk supply.  
~~Sample shall be supplied along with technical offer for approval.~~

10/17/19  
 10/17/19

SIGN &  
DATE

|         | NAME         | DESIGNATION                  | SIGNATURE    | DATE     |
|---------|--------------|------------------------------|--------------|----------|
| WORKED  | ABHAI SINGH  | SAFETY OFFICER / DY. MANAGER | Abhai Singh  | 24/11/11 |
| CHECKED | JAGAT NARAIN | SAFETY OFFICER / SM          | Jagat Narain | 24/11/11 |

INVENTORY NO.

REF:  
CORPORATE STANDARD FOR  
PERSONAL PROTECTIVE EQUIPMENT  
FACE PROTECTION

APPROVED BY

V.K. SAXENA  
DGM(HSE)

Revision No.

PAGE NO

ITEM CODE

DATE OF  
ISSUE

00

19

ISXW00201863

10/17/19  
 (Kamal Kulkarni)  
 Safety officer

10/17/19  
 (N. K. Saxena)  
 AGM/Head (HSE)/CSO



# PLANT PURCHASING SPECIFICATION HEEP – HARDWAR

PAGE 2 OF 3

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SUPERSEDES  
INVENTORY NO

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## 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

5.2 The test certificate shall also indicate the following.  
a. P.O. Number

## 6.0 Packing

The welding shield shall be supplied, packed in individually for protection from damage.

## 7.0 Marking

The welding shield shall be marked with the following information

- BHEL Logo.
- Supplier Identity/manufacture's name/brand name.
- 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.

SIGN &  
DATE

INVENTORY NO.

|                                                                                    |              | NAME    | DESIGNATION                  | SIGNATURE                                                                                                        | DATE             |
|------------------------------------------------------------------------------------|--------------|---------|------------------------------|------------------------------------------------------------------------------------------------------------------|------------------|
| WORKED                                                                             | ABHAI SINGH  |         | SAFETY OFFICER / DY. MANAGER |                             | 24/11/11         |
| CHECKED                                                                            | JAGAT NARAIN |         | SAFETY OFFICER / SM          |                                                                                                                  | 24/11/11         |
| REF:<br>CORPORATE STANDARD FOR<br>PERSONAL PROTECTIVE EQUIPMENT<br>FACE PROTECTION |              |         | APPROVED BY                  | <br>V.K. SAXENA<br>DGM(HSE) |                  |
| Revision No.                                                                       |              | PAGE NO | ITEM CODE                    |                                                                                                                  | DATE OF<br>ISSUE |
| 00                                                                                 |              | 20      | ISXW00201863                 |                                                                                                                  |                  |

*10/7/19*

(Kamal Kulkarni)  
Safety officer

*10/7/19*

(V.K. Saxena)  
AGM/Head(HSE)/CSO



# PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

FORM DG 49  
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Rev. No. 01

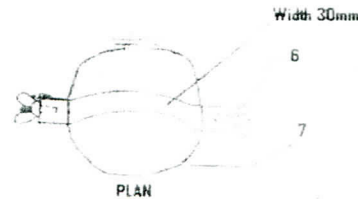
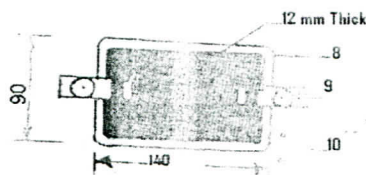
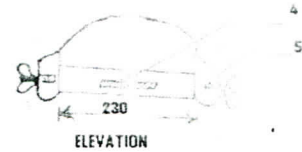
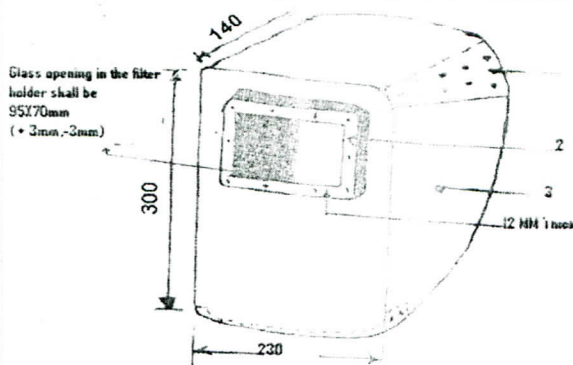
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SUPERSEDES  
INVENTORY NO.

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1. Rivets at joints.
2. Window for fitting 2 nos. Plain glasses with 1 no. Filter glass in between. (Outer frame size of window 130mm X 110mm)
3. Fiber sheet of 1.5mm thick.
4. Adjustable fiber head band screw type.
5. Spring.
6. 4 mm wing nut with spring attachment for easy positioning.
7. Sweat-proof lining.
8. Coloured filter glass of size 105mm X 80mm.
9. 10mm screw type holder to hold glasses and filter glass.
10. Rivets.

Total Wt : 380 gms (approx.)  
Material: Fiber  
Colour: Black  
Window: Suitable to hold 2 nos. Plain glasses & 1 no. Filter glass inside it.

## WELDING HEAD SHIELD

| SIGN & DATE   | NAME                                                                 |              | DESIGNATION                                   | SIGNATURE           | DATE     |
|---------------|----------------------------------------------------------------------|--------------|-----------------------------------------------|---------------------|----------|
|               | WORKED                                                               | ABHAI SINGH  | SAFETY OFFICER / DY. MANAGER                  | <i>Abhai Singh</i>  | 24/11/11 |
| INVENTORY NO. | CHECKED                                                              | JAGAT NARAIN | SAFETY OFFICER / SM                           | <i>Jagat Narain</i> | 24/11/11 |
|               | REF:                                                                 |              | APPROVED BY                                   |                     |          |
|               | CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT FACE PROTECTION |              | <i>V.K. Saxena</i><br>V.K. SAXENA<br>DGM(HSE) |                     |          |
|               | Revision No.                                                         | PAGE NO      | ITEM CODE                                     | DATE OF ISSUE       |          |
|               | 00                                                                   | 21           | ISXW00201863                                  |                     |          |

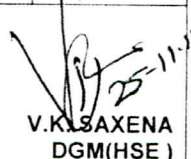
*10/7/11*  
(Kamal Kulkarni)  
Safety officer

*10/7/11*  
(V.K. Saxena)  
Agm / Hwd (HSE) / CSO

C/6190/2019/1140F

Item No-2.

Annexure - C

|                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |                                                                                                                  |                                                      |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------|
| SIGN. & DATE                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>PLANT PURCHASING SPECIFICATION</b><br><b>HEEP - HARDWAR</b> |                                                                                                                  | FORM DG 49                                           |               |
|                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |                                                                                                                  | BHEL/HEEP/HSE/D/02 ✓<br>Rev. No. 01 ✓<br>PAGE 1 OF 3 |               |
| SUPERSEDES INVENTORY NO.                                                                                                                                                                                  | <b><u>WELDING HAND SHIELD</u> ✓</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                |                                                                                                                  |                                                      |               |
| COPYRIGHT & CONFIDENTIAL<br>The information on this document is the property of Bharat Heavy Electrical Ltd. It must not be used directly or indirectly in any way detrimental to the interest of the co. | <b>1.0 Scope</b><br>This standard covers the requirement of welding hand shield.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |                                                                                                                  |                                                      |               |
|                                                                                                                                                                                                           | <b>2.0 Compliance with Standards</b><br>It shall comply with IS 1179-1967 Reaffirmed 1997, IS - 5983-1980 Reaffirmed 1997.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                |                                                                                                                  |                                                      |               |
|                                                                                                                                                                                                           | <b>3.0 Technical Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |                                                                                                                  |                                                      |               |
|                                                                                                                                                                                                           | 1. The hand shield shall give protection during welding to the eyes, ears, face, neck and part of the head of the user against exposure to radiation, heat, sparks and splatters of hot metal.<br>2. The body shall be of made out of Fiber glass / fibre sheet opaque material in black/brown colour not less than 1.0mm thick, uniform, smooth & clear finish.<br>3. It shall have the window and other construction as shown in the sketch<br>4. It shall have the wooden / fiber handle with no sharp edges as shown in the sketch.<br>5. It shall have a clamp to fit the lenses in the shield as shown in the sketch made of spring steel material. One spare clamp to be provided along with the shield.<br>6. The total weight of the Hand Shield shall not exceed 350 gms. |                                                                |                                                                                                                  |                                                      |               |
| <b>4.0 Sample :</b> Sample should be got approved before bulk supply.<br>Sample shall be supplied along with technical offer for approval.                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |                                                                                                                  |                                                      |               |
| SIGN & DATE                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NAME                                                           | DESIGNATION                                                                                                      | SIGNATURE                                            | DATE          |
|                                                                                                                                                                                                           | WORKED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ABHAI SINGH                                                    | SAFETY OFFICER / DY. MANAGER                                                                                     | Abhai Singh                                          | 24/11/11      |
|                                                                                                                                                                                                           | CHECKED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JAGAT NARAIN                                                   | SAFETY OFFICER / SM                                                                                              | Jagat Narain                                         | 24/11/11      |
| INVENTORY NO.                                                                                                                                                                                             | REF:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                | APPROVED BY                                                                                                      |                                                      |               |
|                                                                                                                                                                                                           | CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT FACE PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                | <br>V.K. SAXENA<br>DGM(HSE) |                                                      |               |
|                                                                                                                                                                                                           | Revision No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PAGE NO                                                        | ITEM CODE                                                                                                        |                                                      | DATE OF ISSUE |
|                                                                                                                                                                                                           | 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16                                                             | ISXW00201871                                                                                                     |                                                      |               |

  
 (Kamal Kulshastha)  
 Safety officer

  
 (V.K. Saxena)  
 Head (HSE)



# PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

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Rev. No. 01

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## 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

5.2 The test certificate shall also indicate the following.  
a. P.O. Number

## 6.0 Packing

The welding shield shall be supplied, packed in individually for protection from damage.

## 7.0 Marking

The welding shield shall be marked with the following information

- BHEL Logo.
- Supplier Identity/manufactures name/brand name.
- 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.

SIGN &  
DATE

|         | NAME         | DESIGNATION                  | SIGNATURE | DATE     |
|---------|--------------|------------------------------|-----------|----------|
| WORKED  | ABHAI SINGH  | SAFETY OFFICER / DY. MANAGER |           | 24/11/11 |
| CHECKED | JAGAT NARAIN | SAFETY OFFICER / SM          |           | 24/11/11 |

INVENTORY NO.

REF:  
CORPORATE STANDARD FOR  
PERSONAL PROTECTIVE EQUIPMENT  
FACE PROTECTION

APPROVED BY

V.K. SAXENA  
DGM(HSE)

Revision No.

PAGE NO

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17

ISXW00201871

20.06.19  
(Kamal Kulshrestha)  
Safety Officer

20.6.19  
(V.K. Saxena)  
Head (HSE)



# PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

FORM DG 49

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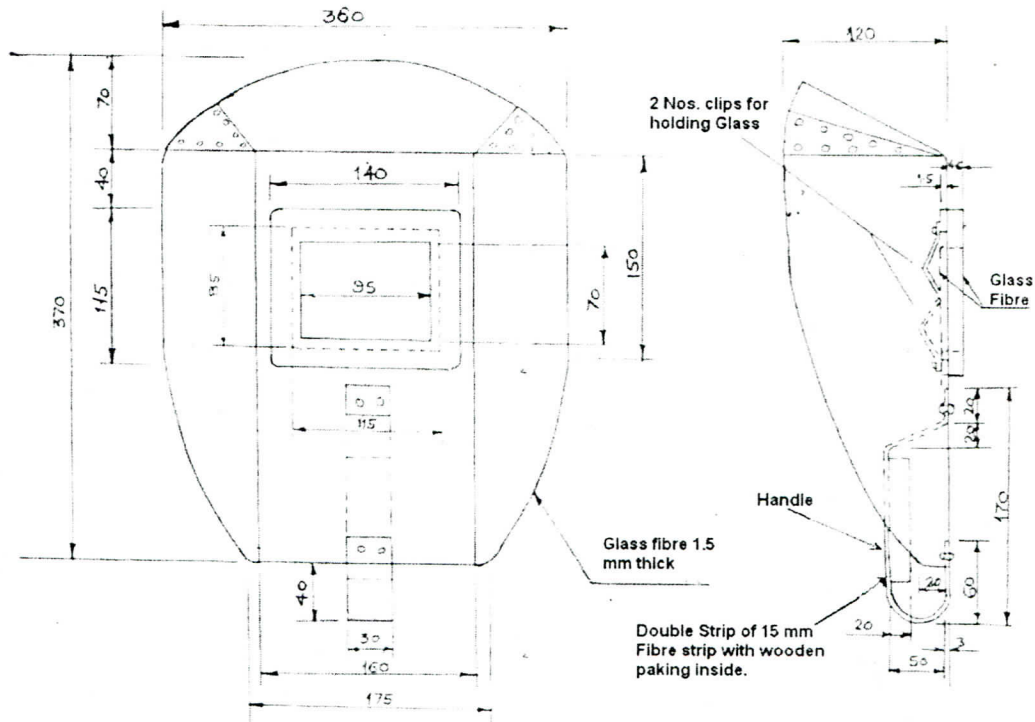
SIGN. &amp; DATE

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INVENTORY NO.

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## WELDING HAND SHIELD

SIGN &  
DATE

NAME

DESIGNATION

SIGNATURE

DATE

WORKED

ABHAI SINGH

SAFETY OFFICER / DY. MANAGER

Abhai Singh

24/11/11

CHECKED

JAGAT NARAIN

SAFETY OFFICER / SM

Jagat Narain

24/11/11

INVENTORY NO.

REF:

CORPORATE STANDARD FOR  
PERSONAL PROTECTIVE EQUIPMENT  
FACE PROTECTION

APPROVED BY

V.K. SAXENA  
DGM(HSE)

Revision No.

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DATE OF  
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18

(Kamal Kishore Singh)  
Safety Officer

(V.K. Saxena)  
Head (HSE)

45



# PLANT PURCHASING SPECIFICATION

## HEEP - HARDWAR

### PLASTIC FACE SHIELD ✓

#### 1.0 Scope

This specification covers the requirements of Plastic Face Shield for protection from flying objects in Grinding applications and against Chemical Splashes.

#### 2.0 Compliance with Standards

It shall comply with IS 8521 - 1977 (Part -1) or Relevant Standard.

#### 3.0 Technical Requirement

3.1. Face Shield should cover full face (That is, the front of the head including forehead, eyes, cheeks, nose, mouth and chin) & protect the wearer from the splashing of chemicals and other flying particles.

3.2. Face Shield shall be Type -2, Class -1 as per IS 8521-1977(Part-1) with clear, transparent. Colorless visor.

3.3. Visor shall be of Size Number "A" as per IS 8521-1977(Part-1)

4.0 **Sample:** sample should be got approved before bulk supply. Sample shall be supplied along with technical offer for approval. *20.06.19*

#### 5.0 Test Certificate

5.1 The supplier shall submit the test certificate along with the bulk supply for Material Quality, Scratch Resistance, Visible Transmittance & Impact Resistance

5.2 The test certificate shall also indicate the Batch No. & date. *20.06.19*

#### 6.0 Packing

The Face Shield shall be supplied, packed individually for protection from dust & damage.

#### 7.0 Marking

The Face Shield shall be marked with IS, Supplier identity/manufacture name/brand name

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

9.0 **Guarantee Certificate** to be given for free replacement of consignment within six months from the date of receipt at stores if any manufacturing defects is found out.

| SIGN & DATE   | NAME                                                                      |                   | DESIGNATION               | SIGNATURE          | DATE          |
|---------------|---------------------------------------------------------------------------|-------------------|---------------------------|--------------------|---------------|
|               | WORKED                                                                    | KAMAL KULSHRESTHA | SAFETY OFFICER            | <i>[Signature]</i> | 14.05.18      |
| CHECKED       | SIDDHARATH KUMAR                                                          | SAFETY OFFICER    | <i>[Signature]</i>        | 14.05.18           |               |
| INVENTORY NO. | REF: CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT FACE PROTECTION |                   | APPROVED BY               |                    | DATE OF ISSUE |
|               |                                                                           |                   | V.K. SAXENA AGM (HSE)/CSO |                    |               |
|               | Revision No.                                                              | PAGE NO           | ITEM CODE                 |                    |               |
|               | 02                                                                        | 13                | ISXW00202231              |                    | 14.5.18       |

*20.06.19*  
(Kamal Kulshrestha)  
Safety Officer

*20.06.19*  
(V.K. Saxena)  
Head (HSE)