



# PLANT PURCHASING SPECIFICATION

## HEEP - HARDWAR

### INDUSTRIAL SAFETY HELMET

#### 1.0 Scope

This standard covers the requirements of Industrial Safety Helmet.

#### 2.0 Compliance with Standards

It shall comply with IS 2925-1984/EN 397/ANSI Z 89.1 2009 with additional Conformance to Heat Resistance Test.

- Authenticated photo copies of the latest test certificates (from OEMs, National Accredited Test Laboratories) to be submitted along with the offer.
- Vendor/bidder to furnish authorization letter from Principal/OEM against the enquiry quoted.
- Vendor/bidder to submit along with the offer, authenticated copy of latest certificate of product conformity to relevant IS/EN/ANSI standards.
- For each PPE specification, the Vendor/Bidder shall confirm their acceptance to the BHEL specifications by Signing and Stamping on it.

#### 3.0 Technical Requirement

- 3.1 The helmet shall be made from strong, rigid, HDPE, Fiberglass, High-Density Polystyrene material and the mass of the helmet sho not exceed 400 gms.
- 3.2 The helmet should be provided with 3 or 4 rect./square ventilation holes built into the mould, on either sides (total aggregate area of holes, on either sides = 180 sqr mm (min.) distance between edges of adjacent holes = 15mm) For fibre glass helmets round holes not more than 6mm dia. shall be provided.
- 3.3 **HARNES:**
- a) The material for harness shall be sweat resistant and non-irritant.
  - b) The headband shall be not less than 30 mm in width and securely fixed to the shell and crown straps. The headband shall be readily adjustable.
  - c) The headband shall be fitted with anti-concussion tapes of not less than 19 mm width, secured at least at 6 anchoring points, forming the cradle.
  - d) The straps shall ensure a clearance of at least 30 mm between top of wearers head and inside top of helmet crown at smallest size adjustment and a wearing height of not less than 80 mm at max. size adjustment of the headband.
  - e) **Tightening of the head band shall be possible through high quality, non slip ratchet arrangement at the back of head.**

SIGN. &amp; DATE

SUPERSEDES INVENTORY NO.

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SIGN &amp; DATE

INVENTORY NO.

	NAME	DESIGNATION	SIGNATURE	DATE
WORKED	ABHAI SINGH	SAFETY OFFICER / MGR	<i>Abhai Singh</i>	10/6/13
CHECKED	JAGAT NARAIN	SAFETY OFFICER/SR.MGR	<i>Jagat Narain</i>	10/6/13
REF:	CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT HEAD PROTECTION		APPROVED BY	
Revision No.	PAGE NO	ITEM CODE		DATE OF ISSUE
00	01	ISXW00202401 - GREEN COLOUR, ISXW00202410 - YELLOW COLOUR, ISXW00202428 - BLUE COLOUR, ISXW00202436 - WHITE COLOUR,		

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SUPERSEDES  
INVENTORY NO.**3.4 CHIN STRAP, NAPE STRAP:**

- a) The helmet shall be provided with chinstrap & nape strap made of sweat resistant & non irritating material.
- b) The chinstrap shall be of at least 19 mm wide with an adjustment device to maintain tension.
- c) The nape strap shall be either integral or as an attachment to the headband and adjustable.

**SIZE RANGE OF HEADBAND ADJUSTMENT**

SIZE	RANGE OF THE HEADBAND ADJUSTMENT
SMALL	500 - 540 MM
MEDIUM	540 - 590 MM
LARGE	590 - 640 MM

**4.0 Sample**

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

**5.0 Test Certificate**

- 1) The supplier shall submit the test certificate along with the bulk supply as per IS and/or EN.
- 2) The test certificate shall also indicate Batch No. & Date.

**6.0 Packing**

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

**7.0 Marking**

The helmet shall be embossed with

- a) Relevant ISI, EN, ANSI marks
- b) Batch No., Month and year of manufacturing.
- c) BHEL emblem shall be embossed at the front side of the helmet in size 40mm x 30mm.

**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 within Six months from the date of receipt at stores.

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