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INDUSTRIAL SAFETY HELMETCORPORATE STANDARD PPE
SPECIFICATION MANUAL

Rev. No.: 01

Rev. dt.: 30/05/2012

SCOPE

This standard covers the requirements of Industrial safety Helmets.

COMPLIANCE WITH STANDARDS

It shall comply with IS 2925-1984. And EN 397 and ANSI Z 89.1 2009 with additional Conformance to Heat Resistance and Electrical Insulation 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.

TECHNICAL REQUIREMENT

1) The helmet shall be made from strong, rigid, HDPE, Fiberglass, High-Density Polystyrene, dielectric material Type-class C, G & E.

The mass of the helmet shall not exceed 400 gms.

**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.

(** This condition does not apply to helmets for use in electrical services).

2) The helmet shall be provided with Harness including Headband, Cradle and Nape Strap, chin strap, ventilation holes and peak.

3) HARNESS:

- 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

REVISIONS:

Approved by:

CORPORATE PPE STANDARDISATION COMMITTEE

PPE Rev. No.:

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Reaffirmed:

Prepared by:

Issued by:

Issue date:

Date:

Date:

Year:

Corporate HSE

Corporate Office

25.08.2006



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HEAD PROTECTION

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to the shell and crown straps. The headband shall be readily adjustable.

c) The headband shall be flitted 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 b/w 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.

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
a)	SMALL	500 - 540 MM
b)	MEDIUM	540 - 590 MM
c)	LARGE	590 - 640 MM

SAMPLE

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

TEST CERTIFICATE

1) The supplier shall submit the test certificate along with the bulk supply as per IS and/or EN as may be specified in the enquiry.

2) The test certificate shall also indicate Batch No. & Date.

PACKING

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			CORPORATE PPE STANDARDISATION COMMITTEE		
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The helmet shall be supplied, packed individually for protection from dust & damage

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.

INSPECTION

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

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.

ENQUIRY SPECIFICATION

The PI and Enquiry shall have the latest copy of the specification as "INDUSTRIAL SAFETY HELMET" as per BHEL Corporate standard

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