



कार्यालय स्वास्थ्य, सुरक्षा एवं पर्यावरण विभाग,

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

S.N.- HSE/HEEP/2017-18/PQR/Helmet

दिनांक- 25.11.2017

PRE-QUALIFICATION REQUIREMENT FOR VENDORS FOR PURCHASE OF SAFETY HELMET INDENT NO. – 20173152

The Vendors meeting following criterions would only be considered:-

1. Vendor should be manufacturer of HELMET.
2. The offer of Micro and Small Enterprises shall be considered as per the item no. 147 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.
3. Vendor/Suppliers shall submit Notarized MSE certificate along with technical offer.

Deer Dayal
A.E. (HSE)

Sr. Manager (HSE)

Head/AGM (HSE)



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 **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 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 & DATE	WORKED	ABHAI SINGH	SAFETY OFFICER / MGR	SIGNATURE	DATE
	CHECKED	JAGAT NARAIN	SAFETY OFFICER/SR.MGR		10/6/13
INVENTORY NO	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,		

V K SAXENA
DGM. (HSE)



PLANT PURCHASING SPECIFICATION **HEEP – HARDWAR**

SIGN & DATE

SUPERSEDES
INVENTORY NO

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3.4 CHIN STRAP, NAPE STRAP:

- The helmet shall be provided with chinstrap & nape strap made of sweat resistant & non irritating material.
- The chinstrap shall be of at least 19 mm wide with an adjustment device to maintain tension.
- 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

- The supplier shall submit the test certificate along with the bulk supply as per IS and/or EN.
- 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

- Relevant ISI, EN, ANSI marks
- Batch No., Month and year of manufacturing.
- 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.

SIGN &
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 <i>V K Saxena</i> V K SAXENA DGM (HSE)	
Revision No. 00	PAGE NO 02	ITEM CODE ISXW00202401 – GREEN COLOUR, ISXW00202410 – YELLOW COLOUR, ISXW00202428 – BLUE COLOUR, ISXW00202436 – WHITE COLOUR,	DATE OF ISSUE

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