



# PLANT PURCHASING SPECIFICATION

## CFFP – HARDWAR

FORM DG 49

CFFP/ISX/6.1.A

PAGE 1 OF 2

### 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 /OE 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, Fiber glass, High-Density Polystyrene material and the mass of the helmet shod 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 edge so adjacent holes=15mm) for fiber 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 head band shall be not less than 30 mm in width and securely fixed to the shell and crown straps. The head band shall be readily adjustable.
- c) The head band shall be fitted with anti-concussion tapes of not less than 19mm width, secured at least at 6 anchoring points, forming the cradle.
- d) The straps shall ensure a clearance of atleast 30mm between top of wearers head and inside top of helmet crown at smallest size adjustment and wearing height of not less than 80 mm at max. size adjustment of the head band.
- e) Tightening of the head band shall be possible through high quality, non Slip ratchet arrangement at the back of head.

	NAME	DESIGNATION	SIGNATURE	DATE
WORKED	DINESH CHANDRA	ENGINEER (SAFETY)		06.02.15
CHECKED	N.K. GARG	SR. MANAGER (SAFETY)		06/02/2015
REF: CORPORATE STANDARD FOR PERSONAL PROTECTIVE EQUIPMENT HEAD PROTECTION		APPROVED BY  SURENDRA KUMAR Sr. DGM (HSE)		
Revision No.	PAGE NO	ITEM CODE		Rev No- 00
00	01	FF7788000094- GREEN CLOUR FF7788000116- WHITE CLOUR FF7788000108- YELLOW CLOUR		Date- 06.02.15



SIGN &amp; DATE

SUPERSEDES  
INVENTORY NO.

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PAGE 2 OF 2

### 3.4 CHIN STRAP, NAPE STRAP:

- The helmet shall be provided with chin strap & nape strap made of sweater resistant & Non irritating material.
- The chin strap shall be of at least 19mm wide with an adjustment device to maintain Tension.
- The nape strap shall be either integral or as an attachment to the head band and Adjustable.

### SIZE RANGE OF HEAD BAND ADJUSTMENT

Sl. No	SIZE	RANGE OF THE HEAD BAND ADJUSTMENT
01.	SMALL	500 – 540 MM
02.	MEDIUM	540 – 590 MM
03.	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 40 mmx 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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