



CSU & FP

PLANT PURCHASE SPECIFICATION

FABRICATION PLANT

DEPARTMENT: PRODUCTION

NO.: BHEL/FP/TS/29

REV NO : 02

REV. DT : 05.06.2015

Sheet 1 of 2

DISPOSABLE RESPIRATOR FOR WELDING FUMES

1.0 SCOPE

This standard covers the requirement of disposable Respirator for welding fumes.

2.0 Compliance with standards

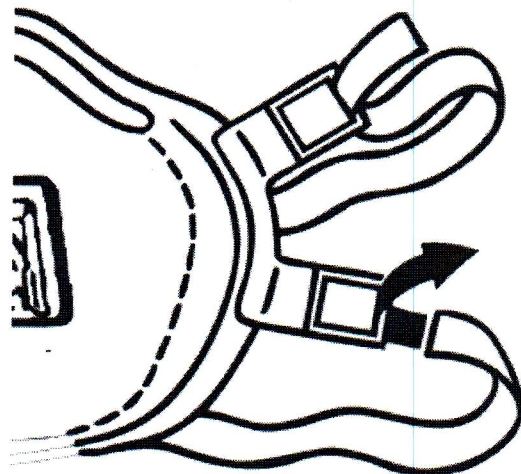
It shall comply with IS: 9473-2002, IS: 14746-1999/EN-149/NIOSH Standards-N95.

3.0 Technical Requirements

- I. Molded cup/Oval shape construction to be provided along with high performance exhalation valve at center having poly isoprene diaphragm having cantilever operation.
- II. It shall be suitable to prevent the harmful welding fumes and particulate dusts.
- III. It should have filter composed of electrostatic filter media.
- IV. It shall have minimum 95 % filtration efficiency against the welding fumes and particulate Dust.
- V. It shall have two head bands made of elastic/ polyisoprene fully adjustable straps, comfortable foam face seal & should not cause irritation to the wearer.
- VI. It shall have adjustable aluminum nose clip, so as to conform to the nasal contours of the wearer and can be wear comfortably inside welding helmet.
- VII. It should have hypo allergenic foam under aluminum nose clip.
- VIII. The respirator shall be comfortable to wear so that the wearers show no undue sign of strain.
- IX. Respirators should provide respiratory protection against ozone as well as offering relief from nuisance odours.



Sketch -1



Sketch-2

	Prepared By	Checked by	Approved By
Signature :			
Name :	V K Choudhary, Sr. Engr.	Atul Verma, Sr. Engr	R. Singh, Manager
Date of Issue :	05.06.2015		



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4.0 Sample

Sample shall be supplied along with technical offer for approval.

5.0 Test Certificate

5.1 Suppliers shall submit the test certificates for Filtering efficiency.

5.2 The supplier shall submit documentary proof to confirm that product supplied by him comply with IS/EN/NIOSH standard.

6.0 Packing

The Respirator shall be packed suitably to protect from dust and damage.

7.0 Marking.

The Respirators shall be marked with IS/EN/NIOSH mark and Manufacturer Identity.

8.0 Inspection.

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

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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FABRICATION PLANT

DEPARTMENT: PRODUCTION

NO.: BHEL/FP/TS/28

REV NO : 01

REV .DT : 27.11.14

Sheet 1 of 1

DISPOSABLE FOAM EAR PLUG

1.0 Scope

This standard covers the requirements of disposable foam ear plug.

2.0 Compliance with Standards

It shall comply with IS 9167 - 1979 Reaffirmed 2002 and IS 6229 - 1980 Reaffirmed 1995.

3.0 Technical Requirement

- I. The earplug shall be made out of Polyurethane foam.
- II. It shall be insertion type.
- III. It shall be suitable to fit into the ear canal of the user to effectively attenuate noise.
- IV. It shall attenuate the noise level by 25 - 30 dB
- V. The earplugs shall be conical in shape.
- VI. It shall be easy to squeeze & should expand automatically to fit in to the ear.
- VII. Both the earplugs shall be fastened to a cotton cord.

4.0 Sample

Sample shall be supplied along with technical offer for approval.

5.0 Test Certificate

The supplier shall submit the test certificate along with the bulk supply as per IS for

1. Material Quality
2. Noise attenuation

6.0 Packing




The earplug shall be packed in individual Hygienic box.

7.0 Inspection

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

8.0 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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PLANT PURCHASE SPECIFICATION

FABRICATION PLANT

DEPARTMENT: PRODUCTION

NO.: BHEL/FP/TS/30

REV NO : 01

REV .DT : 27.11.2014

Sheet 1 of 1

DUST MASK

1.0 SCOPE

This standard covers the requirement of Disposable Respirator (Dust mask).

2.0 Compliance with standards

It shall comply with relevant Indian standard, if any.

3.0 Technical Requirements

- I. It shall be made-up of Polyester fiber cloth of disposable type of 0.4 mm thick (± 0.1 mm), light green/blue in colour and should be suitable for protection from Dust.
- II. It shall be rectangular in shape and size should be 100mm X 180 mm (± 5 mm) with three over lapping fold each 20 mm wide (length wise) at breathing zone. It shall be machine stitched at all four side.
- III. The mask should filter 5 microns size particles with 70% efficiency and low breathing resistance.
- IV. It should have two number 5mm wide elastic band of sufficient strength & good quality for holding mask in position without discomfort on ears.
- V. It should have one number adjustable aluminum nose clip of length 100mm (± 5 mm), width 5mm (± 0.5 mm) and thickness 0.5 mm (± 0.05 mm) so as to conform to nasal contours of the wearer and to provide comfort & secured seal.

4.0 Sample

Sample shall be supplied along with technical offer for approval.

5.0 Test Certificate

Supplier shall submit the test certificates along with the bulk supply for Filtering efficiency.

6.0 Packing:


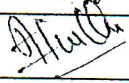

The mask shall be packed & supplied in polythene cover for protection from dust and damage.

7.0 Inspection

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

8.0 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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