



EAR PROTECTION

EAR MUFFS-STEEL HEAD BAND TYPE (FOR GENERAL AREAS)

CORPORATE STANDARD PPE
SPECIFICATION MANUAL

Rev. No.: 01

Rev. dt.: 30/05/2012

SCOPE

This standard covers the requirements of ear muffs-steel head band type (for general areas).

COMPLIANCE WITH STANDARDS

It shall comply with International Standards - EN, ANSI S3.19-1974, in addition to Indian standards.

- 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) Padded wide headband for extended wear
- 2) Stainless steel headband wires with four point suspension
- 3) Simple height adjustment
- 4) Ear cups pivot for alignment and consistent fit
- 5) Wide ear cushions for comfort
- 6) Replaceable ear cushions
- 7) Dielectric muff
- 8) Ear cups with a double casing to minimize resonance in the holder casing which results in maximum high-frequency muffling.
- 9) An acoustic connection between the inner volume and the volume between the casings should provide maximum low-frequency muffling.
- 10) The sealing rings should be broad for the best fit and low contact pressure.

REVISIONS:

Approved by:

CORPORATE PPE STANDARDISATION COMMITTEE

PPE Rev. No.:

Amnd. No.:

Reaffirmed:

Prepared by:

Issued by:

Issue date:

Date:

Date:

Year:

Corporate HSE

Corporate Office

25.08.2006



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11) Weight: 285g, +/-5%.

12) The main performance shall be regarding:

- a) Attenuation
- b) Adjustability: The ability of the ear muffs to fit a range of head sizes.
- c) Headband Force
- d) Cushion Pressure
- e) Resistance to damage
- f) Ignitability

13) NOISE & FIT PARAMETERS :

The following to be confirmed by submitting adequate test certificate with Enquiry, by the vendor

- a) ATTENUATION : NRR 30 dB
- b) HEAD BAND PRESSURE : 10.6 N.

14) When not specified separately, vendor should quote for both the varieties of ear muffs, namely

- (i) Foam & Liquid filled ear cup sealing OR
- (ii) Liquid/jelly filled sealing ear cups

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 as per IS along with the bulk supply.

- a) Material quality
- b) Noise attenuation

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

PACKING

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The ear muff shall be supplied, packed individually for protection from damage and dust.

MARKING

The ear muffs shall be marked with the following information

- a) Relevant ISI, EN, ANSI marks
- b) Supplier identity
- c) Month & year of manufacturing

INSPECTION

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

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.

ENQUIRY SPECIFICATION

The PI and Enquiry shall have the copy of the latest specification as "EAR MUFFS-STEEL HEAD BAND TYPE (FOR GENERAL AREAS)" as per BHEL Corporate standard _____.

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