



SPEC. NO : 2212 - 05

REV. NO : 01

2212

SPECIFICATION FOR PPE

05. INDUSTRIAL SAFETY HELMET

1. The Helmet shall be made of Fiber Glass Di-electric material with narrow brim.
2. The surface of the shell shall be natural finish and Yellow/White colour.
3. It shall have an adjustable Head band equipped with sweat resisting Lining. The width shall not be less than 30mm.
4. Inner cushioning which is flexible and non absorber of water shall be provided between the Head band and the shell.
5. It shall have Ventilation gap of 10mm to 20mm
6. Inside, the dimension of the Head band in the longitudinal direction shall be 20 to 25% greater than the inside dimension of the cross wise direction.
7. The shell shall have clearance of less than 30mm. between the inside of the top of the Crown and top of the wearer's head.
8. The wearing height shall not be less than 80mm.
9. The Head band shall be fitted with at least four Crown straps each extending from one side of the Head band to the other. The width of the Crown strap shall be 20mm.
10. It shall have the Leather Chin strap as IS 2925-1975.
11. It must with stand the penetration Resistance Test and shock Absorption Test as per IS : 2925-1975.

PREPARED BY

L PRABHU SHANKAR
Sr. Safety Officer
Date: 18-10-05

APPROVED BY

H ANIL KUMAR
Addl. General Manager
Date: 18-10-05



SPEC. NO : 2212 - 12

REV. NO : 01

2212

SPECIFICATION FOR PPE

12. NYLON SAFETY BELT

1. It shall be made of nylon webbing of width of 45mm
2. It shall be provided with friction buckles and semi-triangular black ring
3. It shall be provided with life line (nylon rope) of 2.5ft. length and 10mm dia
4. The nylon rope with one end directly spliced to the back and the other end shall be thimble and spliced with hook
5. Test certificate shall be compulsorily produced
6. It shall confirm to IS - 3521

PREPARED BY

L PRABHU SHANKAR
Sr. Safety Officer
Date: 18-10-05

APPROVED BY

H ANIL KUMAR
Addl. General Manager
Date: 18-10-05



SPEC. NO : 2212 - 144

REV. NO : 01

2212

SPECIFICATION FOR PPE

14. ASBESTOS HAND GLOVES

1. It shall be made of K-21 turner asbestos cloth
2. It shall have five fingers type of clute pattern
3. It shall withstand a temperature of about 500 °C

PREPARED BY

L PRABHU SHANKAR
Sr. Safety Officer
Date: 18-10-05

APPROVED BY

H ANIL KUMAR
Addl. General Manager
Date: 18-10-05



SPEC. NO : 2212-30

REV. NO : 00

Date : 11.02.2019



2212

SPECIFICATION FOR PPE

30. 3M 6000 SERIES HALF FACEPIECE RESPIRATOR

1. The Respirator's Harness should provide good comfort for the user
2. The Harness should be of replaceable type
3. Exhalation Valve should be of low breathing Resistance
4. The connection type must be of "BAYONET" type
5. The Respirator's Material shall be of Thermoplastic Elastomer (TPE)
6. The Respirator must be of cartridge replaceable type

PREPARED BY

SARAVANAN G
Asst. Engineer Safety & HSE
Date: 11.02.2019

APPROVED BY

L PRABHU SHANKAR
Sr. Manager & MR (HSE)
Date: 11.02.2019



SPEC. NO: 2212-31

REV. NO: 00

Date: 11.02.2019



2212

SPECIFICATION FOR PPE

31. 3M PARTICULATE FILTER P100

1. The Type of Filter must be Aerosol type (oil & Non-oil)
2. The Filter shall protect from both Gas & vapor particulates
3. The connection type must be of "BAYONET" type
4. The size of the filter shall be approximately 4.3 inches diameter
5. Filters shall be light weight and not cause in convenience to the user

PREPARED BY

SARAVANAN G
Asst. Engineer Safety & HSE
Date: 11.02.2019

APPROVED BY

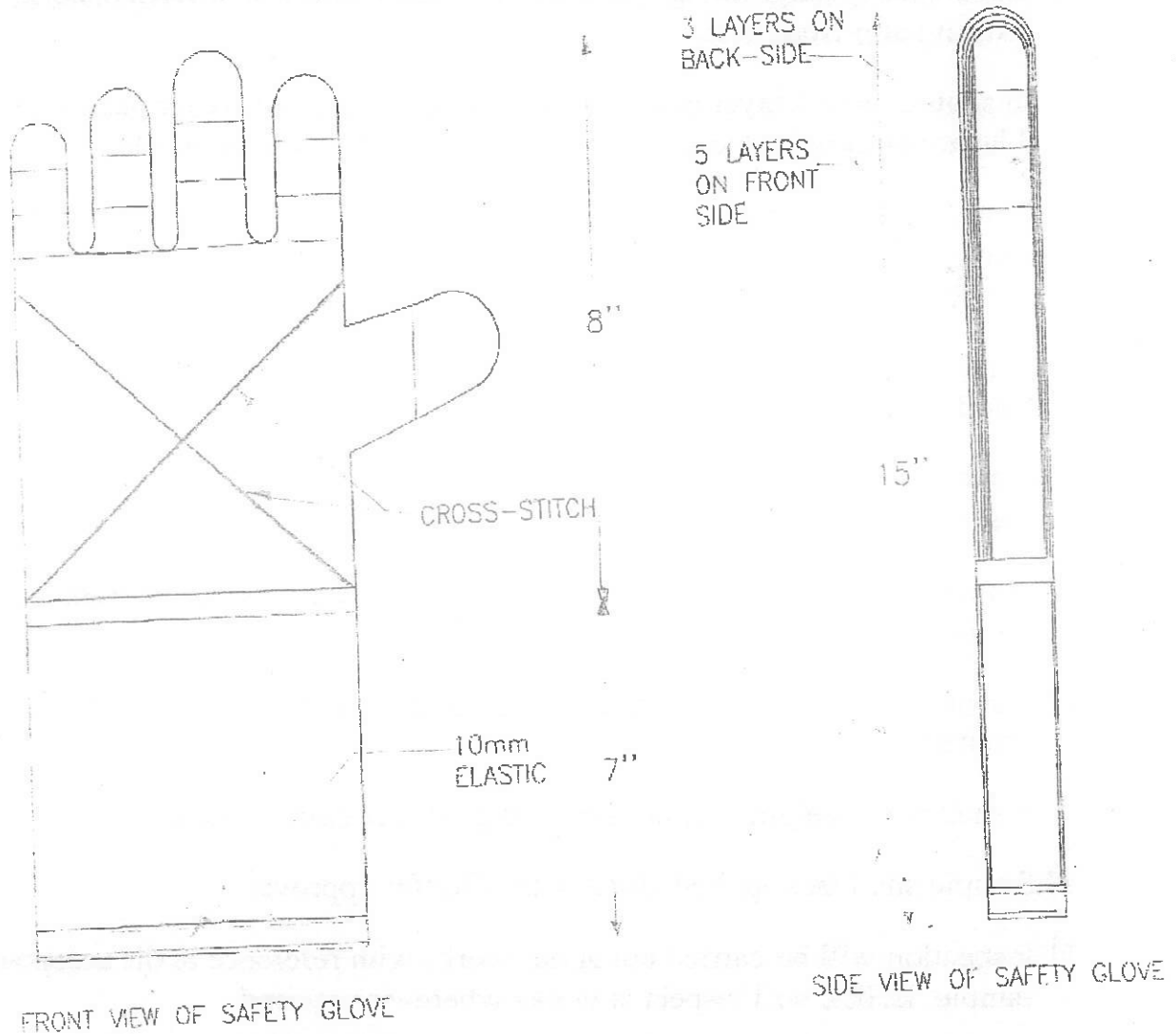
L PRABHU SHANKAR
Sr. Manager & MR (HSE)
Date: 11.02.2019



2212

SPECIFICATION FOR PPE

Cotton hosiery hand gloves with padded



NOTE: SKECH IS NOT TO SCALE

PREPARED BY

RAMACHANDRAIAH G P
Engineer- Safety, HSE, Pdy & IE
Date: 12.11.2014

APPROVED BY

K VENKATESH REDDY
Sr. Manager-WEX & MR(HSE)
Date: 12.11.2014

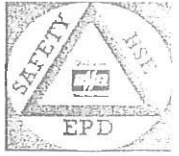


2212

SPEC. NO : 2212-18

REV. NO : 03

Date : 06.10.2018



SPECIFICATION FOR PPE

18. KNITTED TYPE COTTON HAND GLOVES 8" & 10"

1. The glove shall be made of good quality knitted cotton yarn.
2. Knit construction should allow comfort stretch for excellent fit and allow air to circulate to keep hands dry, comfortable and easy to wear
3. It shall provide protection and safety to palms from cuts, friction, abrasion and heat during industrial use as well as an emergency adverse condition
4. It shall be easy to wear and shall avoid soiling of hands
5. It shall have wrist cuff knitted so as to absorb perspiration, temperature protection and proper fit
6. It shall be available in sizes such as 8 inch & 10 inch (minimum 80 grams and 100 grams per pair respectively) to suit to the shop requirement
7. Glove colour shall be either in black or any other dark colour

PREPARED BY

RAMACHANDRAIAH G P
Sr. Safety & HSE Officer
Date:- 06.10.2018

APPROVED BY

L PRABHU SHANKAR
Chief Safety Officer & MR (HSE)
Date:-06.10.2018

SPECIFICATION FOR PPE

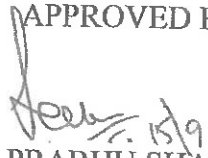
28. CUT RESISTANT GLOVE

1. The glove shall be made of good quality knitted yarn.
2. The glove shall be Nitrile dipped on the palm and fingers.
3. The glove shall be easily washable for re-use.
4. It shall have wrist cuff knitted of minimum 70mm length.
5. The length of glove should not be less than 240mm and more than 250mm including wrist cuff.
6. The glove shall have following mechanical performance as per EN388 and IS standards
 - a. Abrasion resistance - 3
 - b. Blade cut resistance - 2
 - c. Tear resistance - 3
 - d. Puncture resistance - 1
7. Supplier shall submit guarantee certificate along with its consignment for free replacement in case any manufacturing defects within Six months from the date of receipt at BHEL Stores.
8. The gloves shall be packed with individual pair to protect it from dust and damage.
9. Sample shall be supplied along with Offer for Technical evaluation.

PREPARED BY


RAMACHANDRAIAH G P
Safety & HSE Officer
Date: 14.09.2017

APPROVED BY


L PRABHU SHANKAR
Chief Safety & HSE Officer
Date: 14.09.2017



22.12 : 01

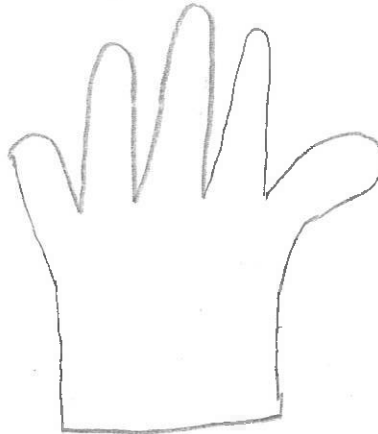
SPEC. NO : 2212-20

REV. NO : 02

SPECIFICATION FOR PPE

20. COTTON HAND GLOVES 12" & 18"

1. It shall be made of good quality, thick cotton canvas cloth
2. It shall be five finger type with reversible pattern
3. It shall have stitches of 2.5mm with the end of all stitching securely back stitched
4. Sewing thread No. 23 shall be used for stitching
5. The sizes shall be 12" or 18" as specified and shall give protection against dirt, dust, oil, grease, cuts, heat, etc., during general industrial use
6. Sample shall be supplied along with offer for evaluation



PREPARED BY

L PRABHU SHANKAR

Manager

Date: 15-07-11

APPROVED BY

PURUSHOTHAM C N

Dy. General Manager

Date: 15-07-11



SPEC. NO : 2212 - 02

REV. NO : 01

2212

SPECIFICATION FOR PPE

02. SPECTACLE TYPE SAFETY GOGGLES

1. The Frame should be of conventional type used with good quality cellulose Acetate material with reinforcement on the sides and opaque (black in colour)
2. The Toughened Lens should be an imported on (English, White Toric, plain, Opticaly Neutral) and should withstand the steel- ball Impact Test as per IS : 7524 (Part I)
3. The thickness of the Lens shall be 2.8 mm.
4. The Hinged – type Foldable Wire mesh side – pieces with good Rivets shall be provided.
5. Good, durable, Screws and Hinges on the side – legs with good workmanship must be ensured.
6. There should not be any defect either in the frame, or in the Lens, and the Goggles should be of smooth and fine surface quality.
7. The size of the goggles is to be marked with Nos. 48, 50 & 52 respectively on the inner side of one side- leg.
8. The initials of the Maker shall be embossed on the inner side of the other Leg, to identify the firm.
9. The goggles should be packed in a good, Safety Case, completely enclosing the goggles with a cleaner.
10. If any defective goggles are supplied, they have to be replaced, free of cost.

PREPARED BY

L PRABHU SHANKAR
Sr. Safety Officer
Date: 18-10-05

APPROVED BY

H ANIL KUMAR
Addl. General Manager
Date: 18-10-05



2212

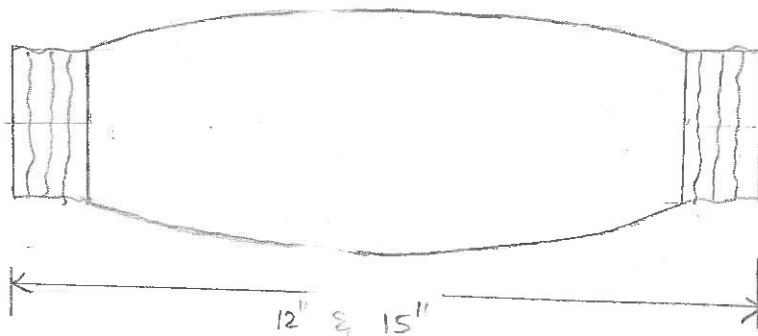
SPEC. NO : 2212-19

REV. NO : 01

SPECIFICATION FOR PPE

19. KNITTED TYPE COTTON ELBOW SLEEVES

1. It shall be made of Knitted Cotton Yarn (Heavy type – 6C)
2. It shall be available in Elbow type with elastic material at both ends for holding in position
3. It shall be available in the range of 12" and 15" total length in normal condition
4. Knit construction should allow comfort stretch for excellent fit, allow air to circulate and shall be easy to wear
5. Sleeves shall be finished with external configurations such as pebbling or crinkling to prevent discomfort due to sweating
6. It shall provide protection and safety to Elbow from cuts, friction, abrasion and heat during industrial use as well as adverse conditions
7. It shall be available in sizes such as M(medium), L(large) and XL(extra large) to suit to the shop floor requirement



PREPARED BY.

L PRABHU SHANKAR
Sr. Safety Officer
Date: 12-03-08

APPROVED BY

PRABHAKAR NAYAK
Sr. Dy. General Manager
Date: 12-03-08



2212

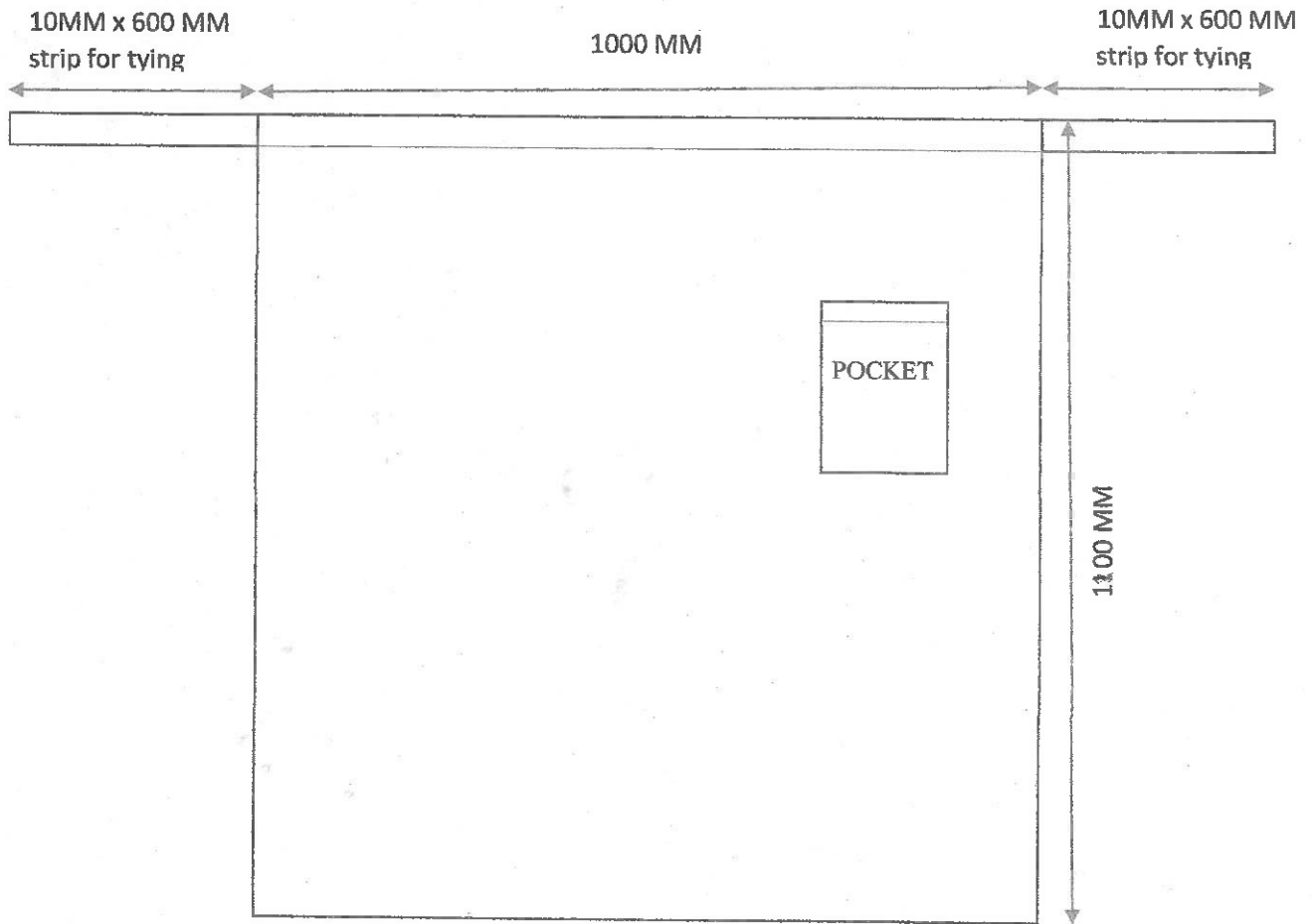
BHEL – SBD
SPECIFICATION FOR PPE

SPEC.No: 2212-32
REV.No : 00
DATE : 25-03-2022



COTTON APRON

1. Material should be of Good Quality and Wrinkle free Cotton.
2. Colour of the Apron - Ash colour.
3. 10 MM X 600 MM Strip neatly Stitched in Same cloth both side for tying.
4. Pocket should be in left side when wear. Size 150 MM X 170 MM



PREPARED BY

SARAVANAN G
Safety Officer

APPROVED BY

VIDYADHAR M GANIGI
Sr. DGM – SAFETY & HSE