

IN LIGHT

Be seen Be Safe

“All India First BIS Licensee for
Flame Retardant Garments” confirming
to IS 15748:2022

PROTECTIVE
CLOTHING
& ACCESSORIES

3M Scotchlite™
Reflective Material





ABOUT US

We would like to introduce our company **M/s STAR SAFETY HUB**, as **exclusive manufacturer of FR and Non-FR Protective Clothing & Workwear, Jacket, Shirt-Trouser and Reflective Safety Vest** based at Faridabad, India. We are into this filed for more than 30 years now.

We proudly present ourselves as the All India First BIS Licensee to be granted **ISI** certification as per **IS 15809:2017 & IS 15748:2022** standard across the country. Our product also conforms to **EN ISO 20471:2013 & EN ISO 11612:2015**

We are Authorised Convertors for **3M Scotchlite Reflective material**.

"IN LIGHT" is India's leading manufacturing brand and our brand has been an established and popular name in the world of protective workwear. Our track record in terms of **service and quality** has been excellent throughout.

We have been serving since 1988 and have created a tremendous reputation in the market. The forte of the company is the customization and designing of garments as per the client's needs.

Our salient point is that we have all types of materials, reflective tapes, logos, zip, collar and everything related to the fabrication of jackets.

To maintain the secrecy of the client's details, all the logos are printed in-house.

We are well equipped with all the various techniques used for logo printing such as Screen Printing, Heat Transfer Printing, Embroidery and Digital Printing.

We are dealing with private as well as government organizations through GeM.

The quality of our raw material and craftsmanship are unmatched in this industry.

We have a well-qualified staff, which enable us to deliver even quality of products, thus ensuring same quality every time to our clients.

The main motto of our company is **customer satisfaction**, which we attain through customized products as per client's requirement at very competent prices.

A construction worker wearing a green hard hat and a high-visibility yellow-green safety vest is working on a building structure. The worker is focused on the task, with his hands on a metal railing or framework. The background shows a grid-like structure of a building under construction. The overall image has a dark, slightly desaturated tone, with a bright green and yellow diagonal graphic element in the bottom right corner.

BRIEF ABOUT IN LIGHT

IN LIGHT” is India's leading manufacturing brand and our brand has been an established and popular name in the world of protective workwear. Our track record in terms of service and quality has been excellent throughout.

Striving for continuous product improvement and state-of-the-art infrastructure has helped in reaching where it is today.

Our USP

1 QUALITY PRODUCTS:

The products are prepared under the supervision of well trained and qualified personnel so as to ensure quality end products. The products are customized in such a way that it satisfies the customer's needs .

2 CERTIFIED PRODUCT:

Our Safety garments are EN ISO 20471:2013 & EN ISO 11612:2015 and **BIS** approved IS 15809:2017 & IS 15748:2022 certified. Authenticated test report and certificates are provided with the material.

3 TIMELY DELIVERY:

Our production capacity is adequate to deliver the material timely and efficiently, as we have collaborated with the world best logistics company.

4 BRANDING:

We are also providing branding facilities to our clients, who can advertise there company's name and logo on safety jackets through screen printing on reflective strips or heat transfer labels or embroidered patches.



03 About Us

04 Brief About IN LIGHT

05 Our USP

08 EN ISO 11612:2015
IS 15748:2022

10 EN ISO 11611:2015
IS 16655:2017

TABLE OF

CONTENTS

Jacket & Trouser

12

Coverall

13

EN ISO 20471:2013
IS 15809:2017

14

Economical Vest

16

Executive Vest

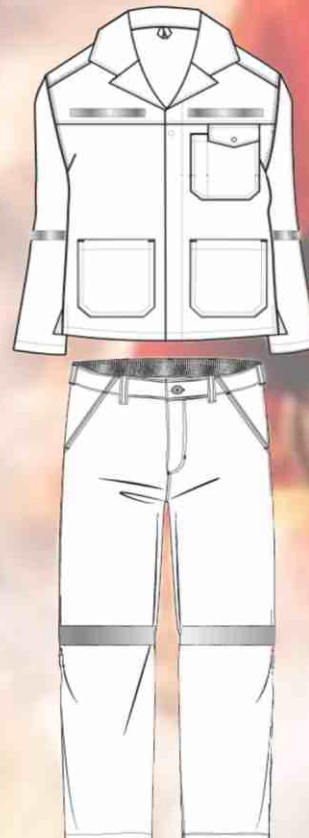
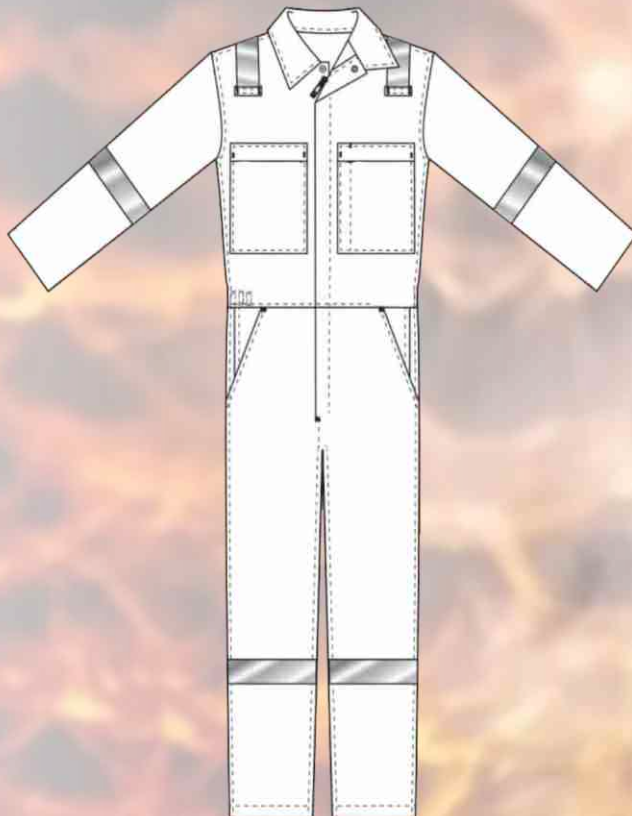
18



EN ISO 11612 : 2015 IS 15748 : 2022

REQUIREMENTS FOR FABRIC AND MATERIALS FOR PROTECTIVE CLOTHING FOR HEAT AND FLAMES & Molten Metals

The EN ISO 11612 : 2015 and IS 15748 : 2022 standard analyses protective properties of garments, their materials (protective fabrics) and accessories when presented with heat and flames. In addition, this standard analyses whether resistance, shrinkage and useful life meet minimum levels.



Performance as per Indian and International standard

Performance Required		
CODE LETTER	DESCRIPTION	RATING
A	LIMITED FLAME SPREAD	A1 And A2
B	CONVECTIVE HEAT	B1 , B2 , B3
C	RADIANT HEAT	C1 , C2 , C3 , C4
D	MOLTEN ALUMINIUM SPLASH	D1 , D2 , D3
E	MOLTEN IRON SPLASH	E1 , E2 , E3
F	CONTACT HEAT	F1 , F2 , F3

SECTORS WHERE EN ISO 11612 : 2015 OR IS 15748 : 2022 APPLIED



IRON
FOUNDRY



COOPER
FOUNDRY



ALUMINIUM
FOUNDRY



ZINC
FOUNDRY



GLASS
FOUNDRY



CATENARIES



ELECTRIC
COMPANIES



OIL
PLATFORMS



AUTOMOTIVES



SHIPBUILDING



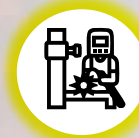
UTILITIES
AND
SUBCONTRACTOR



INDUSTRIAL
LAUNDRIES



GAS INDUSTRY



WELDING





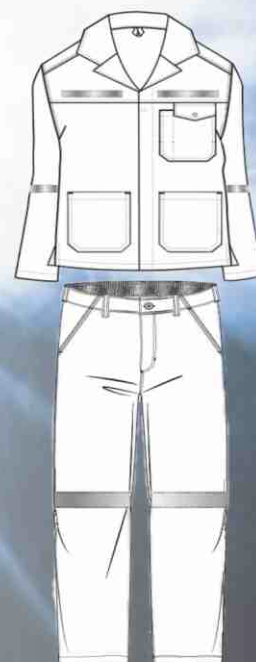
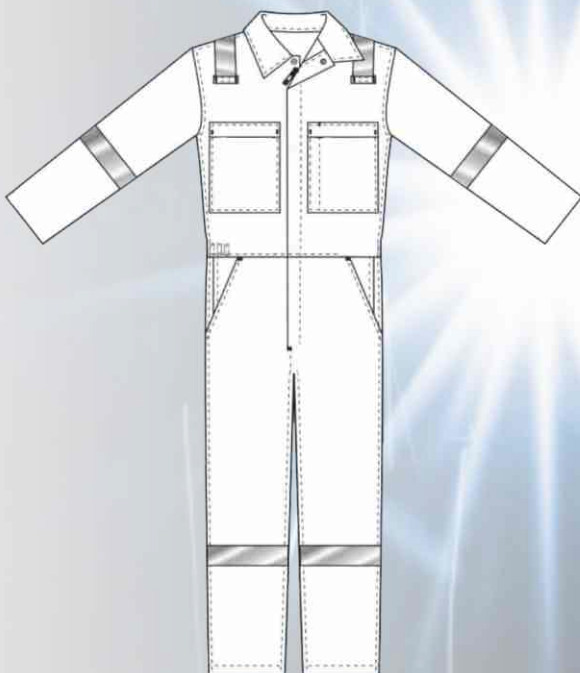
EN ISO 11611:2015 IS 16655 : 2017

PROTECTIVE CLOTHING FOR USE IN WELDING AND RELATED PROCESSES

The EN ISO 11611 : 2015 and IS 16655 : 2017 standard specifies the minimum basic security requirements and test methods for protective clothing and processes related to comparable risks.

This kind of protective clothing is dedicated to protecting the wearer against splashes (small molten metal splashes), short flame contact time, radiant heat from an electric arc used for welding, and related processes. It also minimises the potential for electric shock due to a short circuit (accidental, short-brief contact with electrical conductors at voltages of up to about 100 V).

Sweat, dirt or other contaminants may affect the expected level of protection against accidental, brief contact with live electrical conductors at this voltage.



Performance as per Indian and International standard

DESCRIPTION	Performance Required	
	CLASS 1	CLASS 2
Flame Spread	A1 And A2	A1 And A2
Impact of metal splatter	15 Drops	25 Drops
Heat Transfer (Radiation)	RHTI 24 > 7.0	RHTI 24 > 16.0
Electrical Resistance	> 10 ⁵ Joule	> 10 ⁵ Joule

SECTORS WHERE EN ISO 11611 : 2015 OR IS 16655 : 2017 APPLIED



GAS INDUSTRY



UTILITIES AND
SUBCONTRACTORS



AUTOMOTIVES



WELDING



SHIPBUILDING



CATENARIES



INDUSTRIAL
LAUNDRIES



OIL
PLATFORMS



CHEMICAL
INDUSTRY



REFLECTIVE WORKWEAR GARMENTS

MENS LONG SLEEVE 2TONE SHIRTS



100% COTTON FABRIC

- ◆ PLAIN FABRIC (200 , 250 GSM)
- 3M, 2" Glass Bead Fabric Tape with 2H Pattern
- Seven Button Placket
- Two Chest Pocket
- Two piece contrast coloured structural collar
- Full Gusset Sleeve Cuff
- Left Pocket with Pen division
- Half PLACKET

Colour Pattern



COTTON TROUSERS

100% COTTON FABRIC

- ◆ PLAIN FABRIC (200 , 250 GSM)
- 3M, 2" Glass Bead Fabric Tape
- Reflective tape - Around lower and Upper Leg
- Two angled side pockets
- Two back patch pockets
- Single front pleats
- Seven reinforced belt loops
- YKK zipper

COLOURS





REFLECTIVE WORKWEAR GARMENTS

COVERALLS

REFLECTIVE LIGHTWEIGHT COVERALL

100% COTTON FABRIC

- ◆ PLAIN FABRIC (200 , 250 GSM)
- 3M, 2" Glass Bead Fabric Tape with 2H Pattern
- Nylon Press stud front and sleeve cuff closure
- Chest Pocket on right hand side
- Chest Pocket with tool division on left hand side
- Two angled side pockets with Opening to body
- Back Patch Pocket and Ruler pocket on right side
- Double layered knee for Durability

Colour Pattern



REFLECTIVE LIGHTWEIGHT COVERALL

100% COTTON FABRIC

- ◆ PLAIN FABRIC (200 , 250 GSM)
- Nylon Press stud front and sleeve cuff closure
- Chest Pocket on right hand side
- Chest Pocket with tool division on left hand side
- Two angled side pockets with Opening to body
- Back Patch Pocket and Ruler pocket on right side
- Double layered knee for Durability

COLOURS



COLOUR PATTERNS



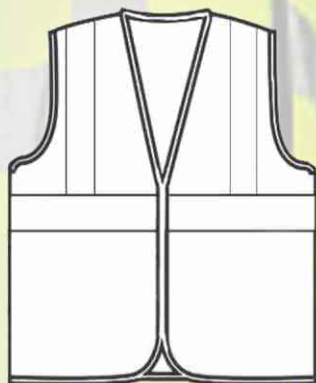


EN ISO 20471:2013 IS 15809 : 2017

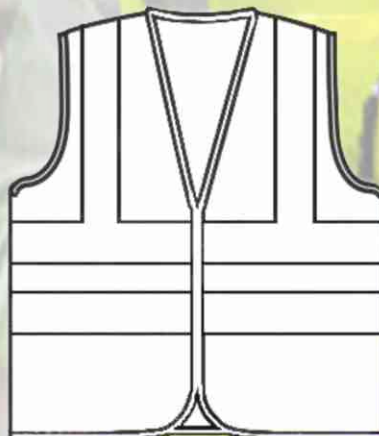
FABRIC AND MATERIAL REQUIREMENTS FOR HIGH-VISIBILITY IN PROTECTIVE CLOTHING

The EN ISO 20471 standard specifies the requirements for high-visibility protective clothing that is capable of visually signalling the presence of the wearer. High-visibility clothing is made to make the wearer visible under any kind of light, to be seen by drivers of vehicles or other mechanised equipment in daylight and when illuminated by lamps in darkness.

Requirements for colour and retro-reflection features are checked, as well as those related to minimum area and availability of the materials used in the protective clothing.



2V+1H





2V+2H



2H

User guidelines as per Indian and International standard

CLASS 2 (TYPE 1)		
Conspicuity Level	Examples of Workers	Images
<ul style="list-style-type: none"> greater visibility is desired during inclement weather condition vehicle of moving equipment speeds exceeds 40km/h 	<ul style="list-style-type: none"> toll gate personnel survey crews school crossing guards utility workers 	

CLASS 3 (TYPE 2)		
Conspicuity Level	Examples of Workers	Images
<ul style="list-style-type: none"> workers are exposed to traffic speeds exceeding 80km/h. pedestrian worker and vehicle operator have high task loads. 	<ul style="list-style-type: none"> emergency response personnel roadway construction workers 	

SECTORS WHERE EN ISO 20471 OR IS 15809 IS APPLIED



SHIPBUILDING



CATENARIES



CEMENT PLANTS



ELECTRIC COMPANIES



OIL PLATFORMS



POLICE AND MILITARY



AUTOMOTIVES



INDUSTRIAL LAUNDRIES



▶ HI-VISIBILITY Reflective vest | ECONOMICAL

IL-SSH01

FRONT OPENING TYPE

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (60 GSM)
- ◆ MESH FABRIC (70 GSM)
- 1" PVC MICRO PRISMATIC TAPE
- 1" GLASS BEAD FABRIC TAPE

COLOUR OPTIONS



IL-SSH02 / IL-SSH03 FRONT OPENING TYPE

IL-SSH03

IL-SSH02



100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (60 GSM)
- ◆ MESH FABRIC (70 GSM)
- 2" PVC MICRO PRISMATIC TAPE (IL-SSH02)
- 2" GLASS BEAD FABRIC TAPE (IL-SSH03)

COLOUR OPTIONS



▶ HI-VISIBILITY Reflective vest | **ECONOMICAL**

IL-SSH04 / IL-SSH05
CROSS BELT TYPE

IL-SSH05



IL-SSH04



100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (60 GSM) with inner Bukram
- ◆ CHEST STRAP
- ◆ DOUBLE STITCHING
- 2" PVC MICRO PRISMATIC TAPE (IL-SSH04)
- 2" GLASS BEAD FABRIC TAPE (IL-SSH05)

COLOUR OPTIONS



IL-SSH06 / IL-SSH07
3 SIDE OPEN (MULTI OPEN)

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (60 GSM)
- ◆ MESH FABRIC (70 GSM)
- ◆ BLACK BINDING
- 2" PVC MICRO PRISMATIC TAPE (IL-SSH06)
- 2" GLASS BEAD FABRIC TAPE (IL-SSH07)

COLOUR OPTIONS



IL-SSH07



IL-SSH06



IL-1016

FRONT OPEN V-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) / MESH FABRIC (130 GSM)
- 3" Fabric Strip / 3M, 2" Glass Bead Fabric Tape [2V + 2H] Retro Reflective Pattern
- Black colour binding with YKK zipper enclosure .
- Transparent pocket for ID Card
- 2 lower 3D Pocket with flap.
- 1 Upper Pen + 3D Mobile Flap Pocket

COLOUR OPTION



IL-1002

FRONT OPEN V-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) MESH FABRIC(130 GSM)
- 2" Glass bead fabric Tape
- [2V + 2H] Retro Reflective Pattern
- Green colour binding with velcro enclosure.
- Dual colour Fabric combination

COLOUR OPTION





IL-1003

FRONT OPEN V-NECK



100% POLYESTER FABRIC

◆ PLAIN FABRIC (120 GSM) / MESH FABRIC (130 GSM)

- 3M 2" Glass bead fabric Tape
- [2V + 2H] Retro Reflective Pattern
- Black colour binding
- YKK (INLIGHT) Zipper

COLOUR OPTION



IL-1005

FRONT OPEN R-NECK

100% POLYESTER FABRIC

◆ PLAIN FABRIC (120 GSM)
MESH FABRIC(130 GSM)

- 3M, 2" Glass Bead Fabric Tape
- YKK (INLIGHT) Zipper
- Same colour binding
- 3 Horizontal Strips
- Transparent Pocket for ID Card
- + Indian COLLAR

COLOUR OPTION





IL-1008

FRONT OPEN V-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) / MESH FABRIC (130 GSM)
- Reflective Trim (3" Orange , 2" Green & 1" Glass Bead Fabric Tape)
- [2V + 1H] Retro Reflective Pattern
- Same colour binding
- Transparent pocket for ID Card
- YKK (INLIGHT) ZIPPER

COLOUR OPTION



IL-1011

FRONT OPEN V-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) / MESH FABRIC (130 GSM)
- 3M , 2" Glass bead fabric Tape
- [2V + 1] Retro Reflective Pattern
- YKK Green colour ZIPPER enclosure.
- Transparent pocket for ID Card
- 2 Lower Fabric Pocket

COLOUR OPTION



IL-1012

FRONT OPEN-V NECK



100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) / MESH FABRIC (130 GSM)
- 3" Orange Fabric strip / 3M 2" glass bead fabric tape
- [2V + 2H] Retro Reflective Pattern
- YKK Green colour Zipper
- Transparent Pocket for ID Card
- 2 lower fabric pocket

COLOUR OPTION



IL-1013

FRONT OPEN V-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) / MESH FABRIC (130 GSM)
- 3" Fabric strip / 3M, 2" Glass Bead Fabric Tape
- YKK (INLIGHT) Zipper
- Grey colour binding
- 2 upper flap pocket / 2 Lower Flap pocket

COLOUR OPTION





IL-1014

FRONT OPEN R-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) MESH FABRIC(130 GSM)
- 3M, 2" Glass Bead Fabric Tape with 2H Pattern
- Black Colour Zipper Closure
- 1 Upper Transparent PVC Pocket for ID Cards
- 1 Upper Mobile Pocket with Strip & Velcro
- Add-ons Chinese Collar
- Same Colour Binding

COLOUR OPTION



IL-1015

FRONT OPEN V-NECK

100% POLYESTER FABRIC

- ◆ PLAIN FABRIC (120 GSM) MESH FABRIC(130 GSM)
- 3M, 2" Glass Bead Fabric Tape with 2V+2H Pattern
- Same Colour YKK Zipper Closure
- 1 Upper Transparent Pocket for ID Card
- 1 Upper Pen + 3D Mobile Flap Pocket
- 2 Lower 3D Pockets with Flap
- Black Colour Binding

COLOUR OPTION



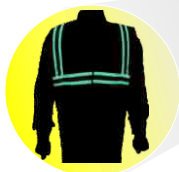
LED SAFETY VEST 3 SIDE OPEN



Type	: 3 Side Open (Multi Open) Type
Background Material	: 100% Polyester Net (130 GSM)
Retro Reflective Material	: 3" PVC Micro Prismatic Tape with 16 LED's
LED's	: Total 16 Nos. (8 Nos. in Front Side & 8 Nos. in Back Side)
Binding	: Same Colour
Visibility	: 800 meters
Water Proof	: Yes
Battery	: 2 Pencil Cell Type (Leak Proof)
Battery Backup	: 160 Hours Approx

AUTO GLOW SAFETY VEST FRONT OPEN V-NECK

Type	: Front Open Type (V-Neck)
Background Material	: 100% Polyester Fabric (120 GSM) as per EN 20471:2013 Certified
Retro Reflective Material	: 50.8 mm Micro Prismatic PVC Glowing Tape with 20.0 mm reflector
Retro Reflective Pattern	: 2 Vertical & 1 Horizontal
Binding	: Same Colour
Closure	: 2 Velcro (Fastener) of 2 x 2 inches



IN LIGHT[®]
Be seen Be Safe



MSME

MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम
OUR STRENGTH • हमारी शक्ति



STAR SAFETY HUB



I-31B , DLF Industrial Area,Phase-1,
Near NHPC Metro Station, Faridabad-
121003, Haryana



+91 129-4322566



+91 9899343296



inlight@reflectivesafetyjackets.in

www.reflectivesafetyjackets.in