

PASCHIM GUJARAT VIJ COMPANY LIMITED

Specification for Rubber Hand Gloves for Electrical purpose

Sr. No.	Particular	Specification
1	Certification	EN 60903 with latest amendments.
2	Class of gloves	Class 1
3	Working Voltage	7.5 KV
4	Test Voltage	10 KV AC
5	Colour	Colour of Rubber Hand Gloves (Class I - for 11 KV) should be Natural (Ivory)
6	Material	Natural or Synthetic Rubber or combination of both Length: - 360 mm
7	Thickness	1.5 mm
8	Tensile strength	As per above standard
9	Elongation at break percent	As per above standard
10	Puncture resistance	As per above standard
11	Qty/Size	As per requirement
12	Marking on Gloves	1) Markings as per clause No. 5.7 of EN 60903 2) Embossed Company Logo. "PGVCL" 3) Markings for use for 11 KV. 4) PGVCL Logo on Packing bag
13	Warranty	One year

➤ The bidder has to submit following along with bid.

- (1) Authorized Dealership letter from OEM.
- (2) Confirmation letter for Guarantee/Warranty certificate from OEM at the time of delivery of the material.
- (3) Test Certificate of various tests as per Clause No. 8 : General Testing of EN - 60903 from approved lab.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	

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- Following test/s are to be carried out at ERDA on tender sample as per the clause No. 5.3 (Electrical Requirements) of EN 60903.

Sr No.	For use in	Class	Thickness	Proof Test (KV -rms)	Leakage Current at Proof Voltage	Working Voltage (rms)	Withstand voltage (KVrms)	L. Current at Working Voltage
1	11 KV	I	1.5mm	10KV	16mA	7500V	20 KV	8000 micro Amp.

However, PGVCL reserves right to carry out any other test/s as per relevant IS/Specification on tender sample.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	

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Specification for Safety Helmet (Electrical)

Sr. no	Particular	Specification
	Certification	As per IS 2925:1984 & approved under ANSI Z89.1.2009 type I class E tested at 20 KV
1	Material property	Made from UV stabilized virgin highest quality Polyethelene HDPE material
2	Design	Stylish, robust design with optimal impact performance
3	Weight	370 gms (Light in weight)
4	Size	Head size 52 to 62 cm
5	Suspension/Harness	Complete with 4 point adjustable big ratchet suspension with chin strap. Textile suspension for comfort.
6	Sweat Band	Perforated sweat band should be swen to the headband and fit arround the forehead and temples. The pad and foam backing should be such that the body heat and perspiration should penetrate for evaporative cooling. Replaceable sweat band.
7	Strap	Double webbing crown straps for wearing height adjustment.
	Class	Class-E (Electrical Ratings & G (General) approved for high electric strength)
	Accessory slot	Built in accessory slot- 30 mm adaption of various accessories like face shield and ear muffs
8	Colour	White
9	Others	Shells with glossy finish, All parts replaceable
10	Marking	Each item having respective DISCOM's logo
11	Warranty	Two years

➤ The bidder has to submit following along with bid.

- (1) Test certificate of various tests as per IS 2925 :1984 from approved lab.
- (2) 20 KV with stand test certificate as per ANSI Z89.1.2009 from approved lab.

➤ Following tests are to be carried out on tender sample.

- (1) Shock Absorption Resistance Test(As per clause no. 8.1 of IS 2925:1984)
- (2) Penetration Resistance Test (As per clause no.8.2. of IS 2925:1984)
(Above tests is to be carried out on tender sample at Central labour Institution, Mumbai)
- (3) 20 KV with stand test (As per ANSI Z89.1.2009)
(Above test is to be carried out on tender sample as per ANSI Z89.1.2009 at ERDA)

However, PGVCL reserves right to carry out any other test/s as per relevant IS/Specification on tender sample.

For Indian manufacturers, valid BIS license is must with ISI marking & for Foreign manufacturers, ANSI marking is must for helmet as per ANSI Z89.1.2009 type I Class E.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	

PASCHIM GUJARAT VIJ COMPANY LIMITED

Specifications of Jacketed Safety Belt Harness with Lanyard

Sr. No.	Particular	Specification
	Certification	IS 3521:1999
1	Material of Jacketed Safety Belt	Half jacket made out of 320 gsm water resistant/repellent, high strength fabric with 1" high reflective tapes(should be as per EN-471:2003 or equivalent Standard) on front & back should be Antistatic cotton fabric. Relevant antistatic and reflective tape certificate to be enclosed with bid.
2	Stitching	Stitched with high denier "Para Aramid Thread"- natural Colour Threads. The thread certificate should be attached with bid
3	Front	Front closing must be provided with high tensile metal buckles.
4	Harness	IS Certified full body harness encompassed inside the jacket.
5	Inner	Each inner loops encompassing the harness must be done through wide loops.
6	Seat Strap	FBH must be provided with seat strap which is ergonomically positioned for more comfort. FBH must be made of good quality tested polyamide high tenacity webbing for strength & safety with a dual bright color scheme of no fading type webbing to differentiate shoulder & thigh straps which must be adjustable to suit different body shapes / sizes.
7	D rings / Buckles etc.	All D rings / Buckles, metal parts must be made up of good quality material with rust proof coating exceeding 140 hrs. of salt spray test for all weather conditions.
8	Numbering	Unique number on each Anchorage device must be provided for traceability.
9	Harness	Harness must be certified to IS 3521:1999 or equivalent standard.
10	Marking	Each item having respective DISCOM's logo
11	Anchoring Lanyard	A Lanyard of 1.8 Mtrs. With Shock Absorber Device, Having one side scaffold hook & other side Carabiner to attach the Jacket harness. Anchoring Lanyard material should be "Polymide" material for strength & durability
12	Warranty	One Year

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	

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- The bidder has to submit the test certificate of various tests as per IS 3521:1999 from approved lab. [Clause No.5 : "Design & Construction" of IS 3521:1999]
- Following tests are to be carried out at "Central Labour Institution" Mumbai / approved lab on tender sample.
 - (1) Performance Test - Clause No. 5.3.2.1 of IS 3521:1999
 - (2) Static Load Test - Clause No. 5.3.3. of IS 3521:1999
 - (3) Dynamic Load Test - Clause No. 5.3.4 of IS 3521:1999

However, PGVCL reserves right to carry out any other test/s as per relevant IS/Specification on tender sample.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	