

PASCHIM GUJARAT VIJ COMPANY LIMITED

Specification for 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 having fluorescent yellow color 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 Color 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 like PG-21-XXXXX 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 on backside of size not less than 6 X 4 Inches.
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

- 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]

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

PASCHIM GUJARAT VIJ COMPANY LIMITED

Specification for Jacketed Safety Belt Harness with Lanyard

- 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.

- Also, following tests are to be carried out on tender sample / audit sample for conforming compliance to the technical specification.
 - (1) Fabric weight (GSM)
 - (2) Water resistance/repellent antistatic fabric
 - (3) Para Aramid Thread Test
 - (4) Coefficient of retro reflection
 - (5) Identification of material of Anchoring Lanyard as per clause no. 11 of specification

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:	