



TITLE:

**SPECIFICATION FOR
PERSONAL PROTECTIVE
EQUIPMENT: Part 7: Eye
Protectors**

Doc. No.

KP1/3CB/TSP/01/003-7

Issue No.

1

Revision No.

0

Date of Issue

2012-12-27

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ANNEX B: **Designs of Eye Protectors**

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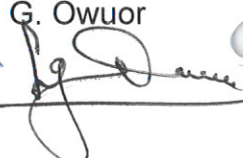
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0.1 Circulation List

NO.	COPY HOLDER
1	Research & Development Manager
2	Procurement Manager
3	Staff Benefits & Relations Manager
4	Safety, Health & Environment Manager
5	Kenya Electrical Trade & Allied Workers Union
Electronic copy (pdf) on Kenya Power Server (currently: Network→stima-fprnt-001→techstd&specs)	

0.2 Amendment Record

Rev No.	Date (YYYY-MM-DD)	Description of Change	Prepared by (Name & Signature)	Approved by (Name & Signature)
KP1/3CB/TSP/01/003-7 Issue 1 Rev 0	2012-12-27	Cancels and replaces KP1/3CB/TSP/01/003 Issue 3 Rev 0 dated 2011-08-08 and all previous issues.	S. Kimiti 	G. Owuor 

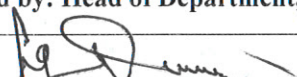
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FOREWORD

This specification has been prepared by the Research and Development Department in collaboration with the Benefits & Staff Relations Department, Distribution Division and Safety, Health & Environment Department all of The Kenya Power and Lighting Company Ltd (Kenya Power) and The Kenya Electrical Trade & Allied Workers Union. The specification lays down requirements for Eye Protectors. It is intended for use by Kenya Power in purchasing the items.

The supplier shall submit information which confirms satisfactory service experience with products which fall within the scope of this specification.

1.0 SCOPE

- 1.1 This specification is for Eye Protectors for use in Industrial Work (Electrical and Mechanical) by company employees.
- 1.2 The specification stipulates the minimum requirements for Eye Protectors acceptable for use in the company and it shall be the responsibility of the Supplier to ensure adequacy of the design, adherence to applicable standards, good workmanship and good engineering practice in the manufacture of the Eye Protectors for The Kenya Power & Lighting Company Ltd.

Note: Eye protectors for welders are covered by a separate specification (Number KP1/3CB/TSP/01/003-9)

2.0 REFERENCES

The following standard contains provisions which, through reference in this text constitute provisions of this specification. Unless otherwise stated, the latest editions (including amendments) apply.

EN 166: Specification for personal eye protection

3.0 TERMS AND DEFINITIONS

The definitions given in the reference standard shall apply.

4.0 REQUIREMENTS**4.1 Operating Conditions**

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The Eye Protectors shall be suitable for use in Electrical and Mechanical Work, outdoors in Tropical Climate with temperatures between -1 to +45 degrees Centigrade.

4.2 Dust Goggles

- 4.2.1 The dust goggles shall be designed and manufactured in accordance with EN 166 and the requirements of this specification.
- 4.2.2 The basic design shall be in accordance with Annex B attached to this specification and or as per the approved sample.
- 4.2.3 The goggles shall be suitable for use by workers in dusty environment including heavy mobile plant drivers, grinder operators, linesmen etc.
- 4.2.4 The goggles shall be clear polycarbonate wraparound lens with 180° field of vision and ventilation ports.
- 4.2.5 The goggles lens and body shall offer protection against medium energy high speed particles at 120m/s.
- 4.2.6 The goggles shall have the following properties:
- Anti-Mist
 - Adjustable Straps
 - Optical Class 1
 - Wide Angle
 - PVC Body
 - Polyester Covered Rubber Thread Elastic Headband
 - Polycarbonate Lens

4.3 Safety Goggles – Chemical Splash

- 4.3.1 The safety goggles shall be designed and manufactured in accordance with EN 166 and the requirements of this specification.
- 4.3.2 The safety goggles shall protect workers against chemical splash including battery acids.
- 4.3.3 The basic design shall be in accordance with Annex B attached to this specification and or as per the approved sample.

4.4 Design and Sample approval before manufacture

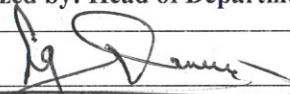
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The Eye Protectors shall be subject to Sample & Design Approval by The Kenya Power & Lighting Company Ltd before manufacture. The supplier shall submit sample and design details for each item on order to The Kenya Power & Lighting Company Ltd for approval before manufacture.

5.0 TESTS AND INSPECTION

- 5.1 Tests for the materials used and standard of manufacture shall be done in accordance to EN 166, applicable Kenya Standards and the requirements of this specification. It shall be the responsibility of the supplier to perform or to have performed all the tests specified.
- 5.2 Copies of previous Test Reports issued by a third party laboratory that is accredited to ISO/IEC 17025 shall be submitted with the tender for the purpose of technical evaluation. The accreditation certificate for laboratory shall also be submitted with the tender.
- 5.3 Every batch of Eye Protectors shall be subject to inspection by Kenya Power staff at the place of manufacture and tests/inspection carried out on samples picked at random in their presence. Test reports shall be completed (by the manufacturer) and made available by the supplier to Kenya Power for approval before delivery of the items.
- 5.4 On receipt of the Eye Protectors, Kenya Power will inspect them and may perform or have performed any of the relevant tests in order to verify compliance with the specification. The supplier shall replace without charge to Kenya Power, Hearing Protectors which upon examination, test or use fail to meet any or all of the requirements in the specification.

6.0 MARKING, LABELLING AND PACKING

- 6.1 Labels shall be attached to each item and shall have the following information; marked legibly and indelibly:
 - name/trademark of manufacturer;
 - standard to which the item complies;
 - size;
 - instructions for care and cleaning;
 - any other parameters specified by the applicable standard of manufacture.

The labels and marking shall be done at the factory during manufacture and shall be permanent type.

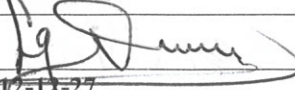
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- 6.2 The Eye Protectors shall be dispatched by the supplier in clean condition and shall be supplied packed in such a manner as to avoid soiling and damage in transport and storage.
- 6.3 Detailed user's instructions guide including cleaning guide, meaning of all symbols used and other instructions specified by the applicable standard shall be submitted with each item printed in English language.

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ANNEX A: Guaranteed Technical Particulars (to be filled and signed by the Supplier and submitted together with copies of the manufacturer's catalogues, brochures, drawings, technical data, copies of previous test reports, list of customers and reference letters from four previous customers for tender evaluation)

TENDER NO.

REQUIREMENT	BIDDER'S OFFER (indicate full details of offer)
Name & address of manufacturer	
Country of manufacture	
Manufacturer's letter of authorization (as per tender format)	
Clause Number as per specification	
1.1	
1.2	
2.0 REFERENCE STANDARDS	
3.0 TERMS AND DEFINITIONS	
4.0 REQUIREMENTS	
4.1 Operating Conditions	
4.2 Dust Goggles	
4.2.1	
4.2.2	
4.2.3	
4.2.4	
4.2.5	
4.2.6	
4.3 Safety Goggles – Chemical Splash	
4.3.1	
4.3.2	
4.3.3	
4.4 The Eye Protectors shall be subject to Sample & Design Approval by The Kenya Power & Lighting Company Ltd before manufacture	
5.0 TESTS AND INSPECTION	
5.1 to 5.4	
6.0 MARKING, LABELLING AND PACKING	
6.1 to 6.3	

Note: - This schedule does not in any way substitute for detailed information required elsewhere in the specification and tender.

Supplier's Name, Signature, Stamp and Date

Issued by: Head of Section, Tech Stds & Specs

Authorized by: Head of Department, R&D

Signed:

[Signature]

Signed:

[Signature]

Date: 2012-12-27

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