



TITLE:  
**SPECIFICATION FOR  
MEASURED  
UNIFORMS**

|               |                       |
|---------------|-----------------------|
| Doc. No.      | KP1/6C/4/1/TSP/01/004 |
| Issue No.     | 2                     |
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**ANNEX A:** *Guaranteed Technical Particulars (to be filled and signed by the Manufacturer and submitted together with relevant copies of the Manufacturer's catalogues, brochures, drawings, technical data, sales records for previous five years, four customer reference letters, details of manufacturing capacity, the manufacturer's experience and copies of complete type test certificates and type test reports for tender evaluation, all in English Language)*

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**0.1 Circulation List**

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|---|-------------------|
| 1   | Standards Manager |
| Electronic copy (pdf) on Kenya Power server ( <a href="http://172.16.1.40/dms/browse.php?fFolderId=23">http://172.16.1.40/dms/browse.php?fFolderId=23</a> ) |                   |

**0.2 Amendment Record**

| Rev No.           | Date (YYYY-MM-DD) | Description of Change  | Prepared by (Name & Signature) | Approved by (Name & Signature)  |
|-------------------|-------------------|--|--------------------------------|---|
| Issue 1<br>Rev 0  | 2012-12-27        | Cancels & replaces KPLC1/3CB/TSP/01/004 Issue 3 Rev 0 dated 2011-08-08 and previous issues | S. Kimitei                     | G. Owuor  |
| Issue 2<br>Rev. 0 | 2016-04-20        | Cancels & replaces KP1/3CB/TSP/01/004 Issue 1 Rev 0 dated 2012-12-27 and previous issues   | Nancy Wairimu<br>John Ng'ang'a | Dr. Eng. Peter Kimemia<br> |
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### FOREWORD

This specification has been prepared by the Standards Department in collaboration with Human Resource Services Department; Safety, Health & Environment (SHE) Department of The Kenya Power and Lighting Company Limited (KPLC/Kenya Power) and The Kenya Electrical Trade & Allied Workers(KETAWU) .. The specification lays down requirements for Measured Uniforms. It is intended for use by Kenya Power in purchasing the items.

The offered product shall conform in all respects to high standards of engineering, design and workmanship and shall be capable of performing in continuous operation, in a manner acceptable to KPLC who will interpret the meaning of the drawings and specifications and shall have the power to reject any work or materials, which in their judgment, are not in full compliance with the specifications.

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

### 1. SCOPE

1.1 This specification is for Measured Uniforms for use by Company Employees.

1.2 The specification covers the following categories/items:

- Meter Reader's Set (Men, Ladies)
- Kaunda Suit
- Driver's Set (Men, Ladies)
- Executive Driver's Set (Men, Ladies)
- Tea Lady's Set
- Artisan/Craftsman Set (Men, Ladies)(Blue jeans , polo tee-shirt)
- Cook Uniform Set
- Waiter/Waitress' Uniform Set
- Receptionist Set
- Cashier Set

1.3 The specification stipulates the minimum requirements for measured uniforms 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 and regulations, good workmanship and good practice in the manufacture of the products for The Kenya Power & Lighting Company Ltd.

1.4 The specification does not purport to include all the necessary provisions of a contract.

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**2. REFERENCES**

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

- ISO 13937- 4: Textiles -- Tear properties of fabrics -- Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test)
- ISO 3637: Size designation of clothes -- Women's and girls' outerwear garments
- ISO 3636: Size designation of clothes -- Men's and boys' outerwear garments
- ISO 12945-2: Textiles --Determination of fabric propensity to surface fuzzing and to pilling -- Part 2: Modified Martindale method
- ISO 105: Textile -- Test for colour fastness.
- ASTM D4235-01: Standard performance specification for women's and girls' knitted blouse and dress fabrics
- ASTM D3780-14: Standard performance specification for men's and boys' woven dress suit fabrics and woven sportswear jacket, slack, and trouser fabrics.
- KS 541-1: Kenya Standard - Woven Fabrics for Uniforms - Specification: Part 1 -- Cotton, Man-made Fibres and Blends.
- KS 1469: Kenya Standard Specification for Work Wear and Career Wear.
- KS 08-504-1: Specification for men's and boys' shirts, Part 1: Making up -- Requirements.
- KS 08-560-1: Specification for boys' and men's jackets and coats-- Part 1: Making-up requirements for unlined jackets for Men and boys
- KS 08-598: Specification for ladies' cardigans.
- KS 08-505: Specification for women's and girls' outer-wear garments.
- KS 08-629: Specification for sweaters.
- KS 08-1126-1: Specification for neckties, Part 1: Neckties made from woven fabrics.
- KS 08-687-1,2&3: Specification for men's uniforms -- Part 1: Uniform trousers. -- Part 2: Uniform coats.--Part 3: Uniform Shirts

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- KS 08-1402: Specification for size designation for headwear.
- KS 08-207: Glossary of terms for defects in fabrics -- Part 1: Woven fabrics. -- Part 2: Knitted fabrics.
- KS 08-119: Method for determination of breaking load and elongation (Strip method) of woven fabrics.
- KS 08-437: Method for determination of tear resistance of woven fabrics by falling pendulum (Elmendorf) apparatus.
- KS 08-66: Dimensional changes of fabrics cold water immersion.
- KS 08-115: Methods for determination of resistance to abrasion of fabrics.
- KS 08-438: Methods for determination of pilling resistance of fabrics (Brush Pilling Tester).
- KS 08-269: Method for determination of crease recovery of fabrics.
- KS 08-120: Method for determination of mass per unit length and mass per unit area of woven or knitted fabrics.
- KS 08-127: Methods for the quantitative chemical analysis of binary fibre mixtures.
- KS 08-888: Method for determination of colour fastness of textile materials to domestic and commercial laundering.
- KS 08-123: Methods for determination of colour fastness of textile materials to washing.
- KS 08-122: Method for determination of colour fastness of textile materials to dry cleaning.
- KS 08-263: Method for determination of colour fastness of textile materials to weathering, Part 2: Xenon arc lamp.
- KS 08-359: Method for determination of colour fastness of textile materials to artificial light: Xenon arc fading test.
- KS 08-266: Method for determination of colour fastness of textile materials to rubbing: Inorganic solvents.

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- KS 08-215: Methods for determination of colour fastness of textile materials to bleaching.
- KS 08-129: Methods for determination of colour fastness of textile materials to perspiration.
- KS 08-130: Methods for determination of textile materials to hot pressing.
- KS 08-360: Determination of pH of values of aqueous extracts of textile materials.
- KS 08-440: Determination of colour fastness of textile materials to chlorinated water (Swimming bath water).

*The standards listed above and quoted in this document are available at the Kenya Bureau of Standards or the relevant National Standards Authority of the country of manufacture.*

**3. TERMS AND DEFINITIONS**

- 3.1 The definitions given in the reference standards for each item shall apply.
- 3.2 Kenya Power Logo – As per sample available with the company's Human Resource & Administration (HR&A) Division.

**4. REQUIREMENTS**

**4.1. Service Conditions**

The uniforms shall be suitable for continuous use outdoors in the following tropical operating conditions:-

- a) Altitude up to 2,200m above sea level;
- b) Temperature: average of +30°C with a min of -1 °C and max +40°C;
- c) Humidity: up to 95%;
- d) Pollution: Design pollution level to be taken as "Heavy" (Pollution level III) for inland and "Very Heavy" (Pollution level IV) for coastal applications in accordance with IEC 60815;
- e) Isokeraunic level: 180 thunderstorm days per year;
- f) Tropical Sunshine conditions

**4.2. General requirements**

*(Applicable to all measured uniform items manufactured for The Kenya Power & lighting Company Ltd)*

- 4.2.1 The uniforms (garments) shall be new and unused.
- 4.2.2 The items shall be manufactured from materials complying with Kenya Standard KS 541 or equivalent standard.

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- 4.2.3 The basic designs for various items shall be in accordance with Annex B attached to this specification and or as per the approved sample. Colours and marking (where required) shall be as per the designs and specified requirements for each item.
- 4.2.4 Each item shall be made from fibre-dyed fabric.
- 4.2.5 Sizes shall be as per the measurements taken by the successful supplier for each entitled employee after tender award. Standard sizes, where applicable, shall be in accordance with ISO 3636 and ISO 3637. The measurements/sizes shall provide enough allowance for comfort on the wearer
- 4.2.6 Pocket bag edges shall be sewn with double stitch (two rows of stitching).
- 4.2.7 Pockets, buttons and buttonholes shall be properly aligned and as per approved design.
- 4.2.8 Each item shall be supplied with open buttonholes whose edges shall have been sewn to avoid fraying and the ends shall be locked.
- 4.2.9 All buttons and sewing threads shall match the colour of the main fabric.
- 4.2.10 Buttons shall be attached to the garment with a minimum of 8 stitches and tacked with 4 stitches to lock the thread.
- 4.2.11 Seams, stitching, sewing threads, facings, buttons, fronts, closures and fasteners shall all conform to relevant Kenya Standards. The number of stiches (for each item) shall be 10-12 per inch (per 25.4mm).
- 4.2.12 All garments shall be finished to match the required patterns in respect to handle and appearance.
- 4.2.13 Each garment shall be well pressed, free from gloss, brushed off and free from loose threads and ends of thread.
- 4.2.14 Raw edges shall be finished by overlocking plus a securing stitch.
- 4.2.15 Each garment shall be free from hole, cut or tear.
- 4.2.16 Metallic parts when used in any garment shall be corrosion resistant.
- 4.2.17 Each item shall bear identification mark(s) comprising Kenya Power logo embroidered in a strategic position and sized as per approved design and or as per requirements specified for each item.

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4.2.18 Each item 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.

4.2.19 The material for pockets and lining shall be 100% viscose

**4.3. Materials.**

**Table 1: Trouser, Coat, Kaunda, Skirt and Overall Type 1 material – PC5 as per KS 541-1**

| Parameter                                   |                                  | Requirements       | Test method |           |
|---|----------------------------------|--------------------|-------------|-----------|
| Fiber composition                           | Polyester, %                     | 65 ± 5             | KS 08-127   |           |
|   | Cellulose, %                     | 35 ± 5             |             |           |
| Breaking load                               | Warp way, N, min                 | 920                | KS 08-119   |           |
|   | Weft way, N, min                 | 800                |             |           |
| Threads per cm,                             | Warp way, min                    | 18                 | KS 08-121   |           |
|   | Weft way, min                    | 17                 |             |           |
| Mass per unit area, g/m <sup>2</sup> , min  |                                  | 220                | KS 08-120   |           |
| Tear resistance                             | Warp way, N, min                 | 89                 | ISO 13937-4 |           |
|   | Weft way, N, min                 | 98                 |             |           |
| Colour fastness to dry cleaning             | Colour change, min               | 4                  | KS 08-122   |           |
|   | Staining, min                    | 4                  |             |           |
| Colour fastness to hot pressing             | Colour change, min               | 4                  | KS 08-130   |           |
|   | Staining, min                    | 4                  |             |           |
| Colour fastness to light, min               |                                  | 6                  | KS 08-359   |           |
| Colour fastness to perspiration             | Acid                             | Colour change, min | 4           | KS 08-129 |
|   |                                  | Staining, min      | 4           |           |
|   | Alkali                           | Colour change, min | 4           |           |
|   |                                  | Staining, min      | 4           |           |
| Colour fastness to rubbing, min             |                                  | 4                  | KS 08-266-1 |           |
| Colour fastness to washing                  | Colour change, min               | 4                  | KS 08-123   |           |
|   | Staining, min                    | 4                  |             |           |
| Colour fastness to weathering, min          |                                  | 6                  | KS 08-263-2 |           |
| Crease recovery angle                       | Warp way, Degrees, min           | 120                | KS 08-269   |           |
|   | Weft way, Degrees, min           | 120                |             |           |
| Dimensional changes to cold water immersion | Warp way, %, min                 | -1.5 – 1.5         | KS 08-66    |           |
|   | Weft way, %, min                 | -1.5 – 1.5         |             |           |
| Pilling resistance                          | Stage 1 (125 rubs), grade, min   | 4                  | ISO 12945-2 |           |
|   | Stage 2 (500 rubs), grade, min   | 4                  |             |           |
|   | Stage 3 (1,000 rubs), grade, min | 4                  |             |           |
|   | Stage 4 (2,000 rubs), grade, min | 4                  |             |           |
|   | Stage 5 (5,000 rubs), grade, min | 4                  |             |           |
|   | Stage 6 (7,000 rubs), grade, min | 4                  |             |           |

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| Parameter | Requirements | Test method |
|-----------|--------------|-------------|
| Weave     | Plain        | KS 08-212   |

**Table 2: Shirt and blouse material – PC1 fabric reference**

| Parameter                                   | Requirements                     | Test method        |   |
|---|----------------------------------|--------------------|---|
| Fiber composition                           | Polyester, %                     | 65 ± 5             |   |
|   | Cellulose, %                     | 35 ± 5             |   |
| Breaking load                               | Warp way, N, min                 | 570                |   |
|   | Weft way, N, min                 | 380                |   |
| Mass per unit area, g/m <sup>2</sup> , min  | 90                               | KS 08-120          |   |
| Threads per cm,                             | Warp way, min                    | 45                 |   |
|   | Weft way, min                    | 39                 |   |
| Tear resistance                             | Warp way, N, min                 | 60                 |   |
|   | Weft way, N, min                 | 55                 |   |
| Colour fastness to dry cleaning             | Colour change, min               | 4                  |   |
|   | Staining, min                    | 4                  |   |
| Colour fastness to hot pressing             | Colour change, min               | 4                  |   |
|   | Staining, min                    | 4                  |   |
| Colour fastness to light, min               | 6                                | KS 08-359          |   |
| Colour fastness to perspiration             | Acid                             | Colour change, min | 4 |
|   |                                  | Staining, min      | 4 |
|   | Alkali                           | Colour change, min | 4 |
|   |                                  | Staining, min      | 4 |
| Colour fastness to rubbing, min             | Dry                              | 4                  |   |
|   | Wet                              | 4                  |   |
| Colour fastness to washing                  | Colour change, min               | 4                  |   |
|   | Staining, min                    | 4                  |   |
| Colour fastness to weathering, min          | 6                                |                    |   |
| Crease recovery angle                       | Warp way, Degrees, min           | 120                |   |
|   | Weft way, Degrees, min           | 120                |   |
| Dimensional changes after 5 washings        | Warp way, Degrees, min           | -2 - 2             |   |
|   | Weft way, Degrees, min           | -2 - 2             |   |
| Dimensional changes to cold water immersion | Warp way, %, min                 | -1.5 – 1.5         |   |
|   | Weft way, %, min                 | -1.5 – 1.5         |   |
| Pilling resistance                          | Stage 1 (125 rubs), grade, min   | 4                  |   |
|   | Stage 2 (500 rubs), grade, min   | 4                  |   |
|   | Stage 3 (1,000 rubs), grade, min | 4                  |   |
|   | Stage 4 (2,000 rubs), grade, min | 4                  |   |
|   | Stage 5 (5,000 rubs), grade, min | 4                  |   |
|   | Stage 6 (7,000 rubs), grade, min | 4                  |   |

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| Parameter | Requirements | Test method |
|-----------|--------------|-------------|
| Weave     | Plain        | KS 08-212   |

**Table 3: Drill trouser material**

| Parameter  | Requirements                     | Test method        |   |
|--|----------------------------------|--------------------|---|
| Fiber composition                                | Cotton, %                        | 100                |   |
| Breaking load                                    | Warp way, N, min                 | 1600               |   |
|  | Weft way, N, min                 | 900                |   |
| Mass per unit area, g/m <sup>2</sup> , min       |                                  | 300                |   |
| Tear resistance                                  | Warp way N, min                  | 80                 |   |
|  | Weft way N, min                  | 60                 |   |
| Colour fastness to dry cleaning                  | Colour change, min               | 4                  |   |
|  | Staining, min                    | 4                  |   |
| Colour fastness to hot pressing                  | Colour change, min               | 4                  |   |
|  | Staining, min                    | 4                  |   |
| Colour fastness to light, min                    |                                  | 6                  |   |
| Colour fastness to perspiration                  | Acid                             | Colour change, min | 4 |
|  |                                  | Staining, min      | 4 |
|  | Alkali                           | Colour change, min | 4 |
|  |                                  | Staining, min      | 4 |
| Colour fastness to rubbing, min                  |                                  | 4                  |   |
| Colour fastness to washing                       | Colour change, min               | 4                  |   |
|  | Staining, min                    | 4                  |   |
| Colour fastness to weathering, min               |                                  | 6                  |   |
| Crease recovery angle                            | Warp way, Degrees, min           | 120                |   |
|  | Weft way, Degrees, min           | 120                |   |
| Dimensional changes after 5-washings             | Warp way, %, min                 | -2 - 2             |   |
|  | Weft way, %, min                 | -2 - 2             |   |
| Dimensional changes to cold water immersion, max | Warp way, %, min                 | 2.5                |   |
|  | Weft way, %, min                 | 1.3                |   |
| Pilling resistance                               | Stage 1 (125 rubs), grade, min   | 4                  |   |
|  | Stage 2 (500 rubs), grade, min   | 4                  |   |
|  | Stage 3 (1,000 rubs), grade, min | 4                  |   |
|  | Stage 4 (2,000 rubs), grade, min | 4                  |   |
|  | Stage 5 (5,000 rubs), grade, min | 4                  |   |
|  | Stage 6 (7,000 rubs), grade, min | 4                  |   |
| Weave  | Twill                            | KS 08-212          |   |

**Table 4: Kitenge material – C1 fabric reference as per KS 541-1**

| Parameter         | Requirements | Test method |
|-------------------|--------------|-------------|
| Fiber composition | Cotton, %    | 100         |
|                   |              | KS 08-127   |

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| Parameter                                   |                                  | Requirements       | Test method |           |
|---|----------------------------------|--------------------|-------------|-----------|
| Breaking load                               | Warp way, N, min                 | 511                | KS 08-119   |           |
|   | Weft way, N, min                 | 231                |             |           |
| Mass per unit area, g/m <sup>2</sup> , min  |                                  | 90                 | KS 08-120   |           |
| Threads per cm                              | Warp way, min                    | 31                 | KS 08-121   |           |
|   | Weft way, min                    | 20                 |             |           |
| Colour fastness to dry cleaning             | Colour change, min               | 4                  | KS 08-122   |           |
|   | Staining, min                    | 4                  |             |           |
| Colour fastness to hot pressing             | Colour change, min               | 4                  | KS 08-130   |           |
|   | Staining, min                    | 4                  |             |           |
| Colour fastness to light, min               |                                  | 6                  | KS 08-359   |           |
| Colour fastness to perspiration             | Acid                             | Colour change, min | 4           | KS 08-129 |
|   |                                  | Staining, min      | 4           |           |
|   | Alkali                           | Colour change, min | 4           |           |
|   |                                  | Staining, min      | 4           |           |
| Colour fastness to rubbing, min             | Dry                              | 4                  | KS 08-266-1 |           |
|   | Wet                              | 4                  |             |           |
| Colour fastness to washing                  | Colour change, min               | 4                  | KS 08-123   |           |
|   | Staining, min                    | 4                  |             |           |
| Colour fastness to weathering, min          |                                  | 6                  |             |           |
| Dimensional changes to cold water immersion | Warp way, %, min                 | -1.5 – 1.5         | KS 06-66    |           |
|   | Weft way, %, min                 | -1.5 – 1.5         |             |           |
| Pilling resistance                          | Stage 1 (125 rubs), grade, min   | 4                  | ISO 12945-2 |           |
|   | Stage 2 (500 rubs), grade, min   | 4                  |             |           |
|   | Stage 3 (1,000 rubs), grade, min | 4                  |             |           |
|   | Stage 4 (2,000 rubs), grade, min | 4                  |             |           |
|   | Stage 5 (5,000 rubs), grade, min | 4                  |             |           |
|   | Stage 6 (7,000 rubs), grade, min | 4                  |             |           |
| Weave                                       | Plain                            |                    | KS 08-212   |           |

**Table 5: T-shirt material**

| Parameter                                  |                    | Requirements       | Test method   |
|--|--------------------|--------------------|---------------|
| Fiber composition                          | Cellulose, %       | 100 ± 5            | TES/TEX/TM/07 |
| Bursting strength, N, min                  |                    | 180                | TES/TEX/TM/08 |
| Mass per unit area, g/m <sup>2</sup> , min |                    | 220                | ISO 3801      |
| Colour fastness to dry cleaning            | Colour change, min | 4                  | ISO 105 DO1   |
|  | Staining, min      | 4                  |               |
| Colour fastness to hot pressing            | Colour change, min | 4                  | ISO 105 X11   |
|  | Staining, min      | 4                  |               |
| Colour fastness to light, min              |                    | 5                  | ISO 105 BO2   |
| Colour fastness to                         | Acid               | Colour change, min | 4             |

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| Parameter                                   |                    | Requirements       | Test method |
|---|--------------------|--------------------|-------------|
| perspiration                                |                    | Staining , min     | ISO 105 E04 |
|   | Alkali             | Colour change, min |             |
|   |                    | Staining , min     |             |
| Colour fastness to rubbing, min             | Dry                | 4                  | ISO 105 X12 |
|   | Wet                | 4                  |             |
| Colour fastness to washing                  | Colour change, min | 4                  | ISO 105 C10 |
|   | Staining , min     | 4                  |             |
| Dimensional changes to cold water immersion | Warp way, %, min   | -1.5 – 1.5         | KS 08-66    |
|   | Weft way, %, min   | -1.5 – 1.5         |             |

**Table 6: Necktie and scarf material**

| Parameter                                   |                                 | Requirements       | Test method   |             |
|---|---------------------------------|--------------------|---------------|-------------|
| Fiber composition                           | Polyester, %                    | 100                | KS 08-1126-1  |             |
| Bursting strength , kPa, min                |                                 | 222                | TES/TEX/TM/08 |             |
| Mass per unit area, g/m <sup>2</sup> , min  |                                 | 220                | ISO 3801      |             |
| Colour fastness to dry cleaning             | Colour change, min              | 4                  | ISO 105 DO1   |             |
|   | Staining , min                  | 4                  |               |             |
| Colour fastness to hot pressing             | Colour change, min              | 4                  | ISO 105 X11   |             |
|   | Staining , min                  | 4                  |               |             |
| Colour fastness to light, min               |                                 | 5                  | ISO 105 BO2   |             |
| Colour fastness to perspiration             | Acid                            | Colour change, min | 4             | ISO 105 E04 |
|   |                                 | Staining , min     | 4             |             |
|   | Alkali                          | Colour change, min | 4             |             |
|   |                                 | Staining , min     | 4             |             |
| Colour fastness to rubbing, min             | Dry                             | 4                  | ISO 105 X12   |             |
|   | Wet                             | 4                  |               |             |
| Colour fastness to washing                  | Colour change, min              | 4                  | ISO 105 C10   |             |
|   | Staining , min                  | 4                  |               |             |
| Dimensional changes to cold water immersion | Pressing and finishing, % max   | 2                  | KS 08-66      |             |
|   | After laundering, % max         | 5                  |               |             |
|   | After three dry cleaning, % max | 3                  |               |             |
|   | Growth, % max                   | 3                  |               |             |

#### 4.4. Particular Requirements

##### 4.4.1. Meter Readers Set (Men, Ladies)

The Meter Readers Set shall comprise of:

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- a) Men: One trouser, two shirts and one safari coat
- b) Ladies: One skirt or trouser, two blouses and one safari coat

**4.4.1.1 Men**

**(i) Men's Trouser**

- a) The colour shall be Pantone Blue 288C.
- b) Material of construction shall be 65% polyester and 35% cellulose.
- c) The trouser shall be straight in design, with two front/hip pockets, one right back pocket enclosed with button, two front gathers on each side, six belt loops, zipper fly with stainless steel metallic hook and button, matching blue thread stitching; all as per approved design/sample.
- d) The trouser pockets shall have a width of 14 for 72cm waist and under and 15 cm for 76 cm waist and over. The effective depth of the pockets shall not be less than 18 cm.
- e) The style of the front/hip pockets shall be a slanted pocket, called quarter-top- and French pocket.
- f) Back pocket, sometimes called besom pockets, shall be inserted on garment through a slash in shell fabric.
- g) The shield lining and fork lining shall be made from the main fabric, Knee lining and pocket bags shall be made of viscose..

**(ii) Shirt**

- a) The shirt shall be light blue pantone 657C in colour or white when stated in the tender.
- b) The material of construction shall be 65% polyester and 35% cellulose.
- c) The shirt shall be long sleeved, with cuffs, full collar, front buttons and one left chest pocket with a flap enclosed with a small button.
- d) The shirt shall have a front placket (button strip) with 7 buttons.
- e) The shirt shall have an embroidered Kenya Power logo measuring 40mm x 40mm centered on the upper left chest area above the pocket; all as per the approved design/sample.

**(iii) Safari Coat**

- a) The coat shall be blue pantone 288C in colour.
- b) The materials of construction shall be 65% polyester and 35% cellulose.
- c) The coat shall be sleeveless with no collar, have four front buttons and four front pockets all with buttoned and well aligned flaps. The back shall have a central seam with an overlapping cut at the bottom.
- d) The coat shall have inner lining made from viscose with one inner pocket on the left side.
- e) The coat shall have an embroidered Kenya Power logo in reflective yellow colour centered at the left chest area above the pocket. The overall dimensions of the logo at the front chest area shall be 65mm length and 65mm height.
- f) The coat shall also have 'Kenya Power' letters embroidered in reflective yellow colour centered at the back (as per approved sample). The overall dimensions of the marking at the back shall be 200mm length and 60mm height, with a tolerance of  $\pm 5$ mm; all as per the approved design/sample.

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**4.4.1.2 Ladies****(i) Ladies' Trouser**

- a) The colour shall be Pantone Blue 288C.
- b) Material of construction shall be 65% polyester and 35% cellulose.
- c) The trouser shall be straight in design, with two hip pockets, five belt loops, one dart on each side both at the back and front, with a band (elasticized on both sides on user request), zipper fly with one button and matching blue thread stitching; all as per approved design.
- d) The shield lining and fork lining shall be made from the main fabric, pocket bags shall be made of viscose.

**(ii) Skirt**

- a) The colour shall be Pantone Blue 288C
- b) Material of construction shall be 65% polyester and 35% cellulose.
- c) The skirt shall have a waist band (elasticized on both sides on user request), four belt loops, one dart on each side at both the front and the back, overlapping slit at the back, zipper at the centre back with one button and  $\frac{3}{4}$  length inner lining of 100% viscose; all as per approved design/sample.

**(iii) Blouse**

- a) The blouse shall be light blue pantone 657C in colour or white when stated in the tender.
- b) The material of construction shall be 65% polyester and 35% cellulose.
- c) The blouse shall be  $\frac{3}{4}$  sleeved, full color, front buttons and one chest pocket on the left.
- d) The blouse shall have an embroidered Kenya Power logo measuring 40mm x 40mm centered on the upper left chest area above the pocket; all as per the approved design/sample.

**(iv) Safari Coat**

All requirements shall be as per clause 4.4.1.1 (iii)

**4.4.2. Kaunda Suit**

- a) The suit shall be blue pantone 288C in colour
- b) Materials of construction shall be 65% polyester and 35% cellulose
- c) The top shall be short sleeved with turn-up, have five front buttons, collar and two chest pockets with buttoned flaps. There shall be an embroidered Kenya Power logo in reflective yellow colour centered at the left chest area above the pocket measuring 65mm x 65mm.
- d) The top shall have an inner lining made from viscose.
- e) The trouser shall be as per clause 4.4.1.1 (i)

**4.4.3. Driver's Suit (Men, Ladies)**

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**4.4.3.1 Men**

The driver's suit for men shall comprise: one coat, one trouser, two shirts and one tie.

**(i) Coat**

- a) The coat shall be blue pantone 288C in colour.
- b) Materials of construction shall be 65% polyester and 35% cellulose for shell and 100% viscose for lining.
- c) The coat shall be single breasted, fitting three button design, with padded lining in the shoulder area, reinforced collar, two inside pockets with a minimum width of 150mm and a depth of 150mm, one chest and two hip pockets with a minimum width of 120mm and a depth of 150mm (with flaps and pantone yellow 7406C coloured band) on the outside (all non-patched type) and double cut(vents) at the back.
- d) The coat will be fully lined with notch lapels.
- e) Each sleeve shall have three spaced buttons at the end.
- f) There shall be an embroidered Kenya Power logo 65mmx65mm centered at the left chest area on the pocket; all as per approved design/sample.

**(ii) Trouser**

All requirements shall be as per clause 4.4.1.1 (i)

**(iii) Shirt**

All requirements shall be as per clause 4.4.1.1 (ii)

**(iv) Tie**

- a) The tie shall be pantone green 347C, yellow 7406C or blue 288C or a combination of these colours as per the requirement.
- b) Materials of construction shall be 100% polyester.
- c) There shall be an embroidered Kenya Power logo 20mmx20mm or water mark as per tender requirement.
- d) Dimensions and design shall be as per approved sample/design.

**4.4.3.2 Ladies**

The driver's suit for Ladies shall comprise: one coat, one skirt or one trouser, two blouses and one scarf.

**(i) Coat**

- a) The coat for Ladies drivers shall be blue pantone 288C in colour.
- b) Materials of construction shall be 65% polyester 35% cellulose for shell and 100% viscose for lining.
- c) The coat shall be two button design, with lining padded in shoulder areas, reinforced collar, one inside pocket on the left, two waist pockets (with flaps and band in yellow colour) on the outside (all non-patched type).

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- d) Each sleeve shall have two buttons at the end equally spaced.
- e) There shall be an embroidered Kenya Power logo 65mmx65mm centered at the left chest area; all as per approved design/sample.

**(ii) Blouse**

All requirements shall be as per clause 4.4.1.2 (iii)

**(iii) Skirt**

All requirements Shall be as per clause 4.4.1.2 (ii)

**(iv) Trouser**

All requirements Shall be as per clause 4.4.1.2 (i)

**(v) Scarf**

- a) The scarf shall be pantone yellow 7406C, green 347C, blue 288C or a combination of these colours as per the requirement and approved design.
- b) Materials of construction shall be 100% polyester.

**4.4.4. EXECUTIVE DRIVERS SET**

**4.4.4.1 Men**

The executive driver's suit for men shall comprise: one coat, one trouser, two shirts and one tie.

**(i) Coat**

It shall be pantone black C in colour and with no logo, all other requirements as per clause 4.4.3.2 (i)

**(ii) Trouser**

It shall be pantone black C in colour, with all other requirements as per clause 4.4.1.1 (i)

**(iii) Shirt**

It shall be white or light blue pantone 657C in colour with all other requirements as per clause 4.4.1.1 (ii)

**(iv) Tie**

All requirements of the tie shall be as per clause 4.4.3.1. (iv)

**4.4.4.2 Ladies**

The executive driver's suit for Ladies shall comprise: one coat, one skirt or one trouser, two blouses and one scarf.

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- (i) **Coat**  
It shall be pantone black C in colour without a logo, all other requirements as per clause 4.4.3.2 (i)
- (ii) **Blouse**  
It shall be white or light blue pantone 657C in colour with all other requirements as per clause 4.4.1.2 (iii)
- (iii) **Skirt**  
It shall be pantone black C in colour with all other requirements as per clause 4.4.1.2 (ii)
- (iv) **Trouser**  
It shall be pantone black C in colour with all the other requirements as per clause 4.4.1.2 (i)
- (v) **Scarf**  
All requirements shall be as per clause 4.4.3.2 (v)

#### 4.4.5. Tea Ladies Set

The Tea Ladies Set shall comprise of: one waist coat, one skirt, two blouses, one scarf and one apron.

- (i) **Waist Coat**
  - a) The coat shall be blue pantone 288C in colour.
  - b) The materials of construction shall be 65% polyester and 35% cellulose for shell on both front and back and 100% viscose for lining.
  - c) The coat shall be sleeveless with no collar, have five front buttons and two front lower pockets each with yellow coloured band.
  - d) The front shall have two side seams and the back shall have one central seam. The front and back shall be enjoined with two side seams.
  - e) The coat shall have an inner lining.
  - f) The coat shall have an embroidered Kenya Power logo in reflective yellow colour centered at the left chest area. The overall dimensions of the logo at the front chest area shall be 40mm length and 40mm height; all as per approved design/sample.
- (ii) **Skirt**  
All requirements shall be as per clause 4.4.1.2 (ii)
- (iii) **Blouse**  
All requirements shall be as per clause 4.4.1.2 (iii)
- (iv) **Scarf**

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All requirements shall be as per clause 4.4.3.2 (v)

**(v) Apron**

- a) The Apron shall be white in colour.
- b) Materials of construction shall be 65% polyester and 35% cellulose.
- c) It shall be full apron design of full front cover past knee height, all as per approved design/sample.
- d) It shall have one front pocket, two tie straps at the back and one neck loop all designed for comfort and convenience.

**4.4.6. Artisans/Craftsmen Set**

The Artisans/Craftsmen Set shall be unisex in design and shall comprise of: one polo Tee-shirt, one sweater and one pair of jeans trouser.

**(i) Polo Tee-shirt**

- a) The polo tee-shirt shall have full collar with three front buttons equally spaced.
- b) The tee-shirt shall be blue pantone 288C in colour with the collar and inner button-line in yellow pantone 7406C colour as per approved design/sample.
- c) It shall have one front pocket at the left chest area with pantone 7406C yellow piping.
- d) It shall be short sleeved with arm band. The arm band shall have a pantone 7406C yellow piping.
- e) The tee shirt shall have double stitched seams.
- f) The Polo Tee-Shirt shall be made from 100% cellulose material.
- g) It shall have an embroidered Kenya Power logo in reflective yellow colour centered at the left chest area above the pocket. The overall dimensions of the logo at the front chest area shall be 40mm length and 40mm height.
- h) The Polo Tee-Shirt shall be as per the approved design/sample.
- i) Sizes shall be as per sizes taken after award.

**(ii) Jeans Trouser**

- a) The jeans trouser shall be blue pantone 654C in colour.
- b) Material of construction shall be 100% cotton of twill weave.
- c) It shall be straight with two front pockets, one small inner patched pocket inside the right front pocket and two back patched pockets. The front pockets shall have matching rivets on each end.
- d) It shall have no front gathers.
- e) It shall have five belt loops.
- f) It shall have brass zipper with one bronze button.
- g) All visible seams shall be sewn with two rows of matching brown thread.
- h) Sizes shall be as per measurements taken after award.

**4.4.7. Sweater/Pullover**

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- a) The pull-over type and design shall be military sweater, V-neck type and without patches and without epaulets. It shall be in accordance with Kenya Standard for military/security sweater.
- b) It shall be of acrylic materials and the design shall be such that the sweater shall not lose elasticity at the arms, waist, around the neck and body.
- c) The colour shall be navy blue.
- d) The design and materials shall be as per the approved sample.
- e) Kenya Power Logo shall be embroidered in reflective yellow on the left chest area. The logo shall be 40mm by 40mm in size with tolerance of  $\pm 5$ mm

**4.4.8. Cooks Uniform Set**

The cooks' uniform set shall comprise of: one double breasted chef's jacket, one trouser or skirt, one checkered scarf, one pill hat and one half apron.

**(i) Chef's Jacket**

- a) The chef's jacket shall be of unisex design and white in colour.
- b) Material of construction shall be 65% polyester and 35% cellulose.
- c) It shall be double breast design that can be reversed when one side gets stained.
- d) It shall have two rows of six chef's buttons on each side useable in both directions.
- e) It shall have  $\frac{3}{4}$  long sleeves which shall have turn-up cuffs.
- f) It shall have straight collar.
- g) It shall have an embroidered Kenya Power logo on the front left chest area measuring 65mmx65mm; all as per approved design/sample.
- h) It shall have aeration holes under the armpits.
- i) It shall be flame retardant
- j) Shall have pen pockets on left sleeve

**(ii) Trouser for men**

All requirements shall be as per clause 4.4.1.1 (i)

**(iii) Trouser for ladies**

All requirements shall be as per clause 4.4.1.2 (i)

**(iv) Skirt**

All requirements shall be as per clause 4.4.1.2 (ii)

**(v) Shirt**

All requirements shall be as per clause 4.4.1.1 (ii)

**(vi) Blouse**

All requirements shall be as per clause 4.4.1.2 (iii)

**(vii) Checkered scarf**

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- a) The checkered scarf shall be pantone black C and white checkered colour triangular in shape.
- b) Materials of construction shall be 65% polyester and 35% cellulose.
- c) The overall dimensions shall be 1000mm base and height of 450mm; all as per approved design/sample.

**(viii) Pill Hat**

- a) The pill hat shall be white in colour.
- b) Material of construction shall be 65% polyester and 35% cellulose.
- c) It shall be as per the approved design/sample.

**(ix) Half apron**

- a) The half apron shall be white in colour.
- b) Material of construction shall be 65% polyester and 35% cellulose.
- c) It shall be waist type covering the lower front part past knee height approximately 600mm.
- d) It shall have one front pocket, with two extra-long tie straps at the back; all as per approved design/sample.

**4.4.9. Waiter's/waitress' uniform set**

**4.4.9.1. Waiter's set**

The set shall comprise of: one waist coat, one trouser, two shirts, one bow-tie and one ceremonial shirt (African Attire).

**(i) Waist coat**

- a) The coat shall be pantone black C in colour for executive kitchen staff and pantone blue 288C for IESR staff
- b) All requirements shall be as per clause 4.4.5 (i)

**(ii) Trouser**

All requirements shall be as per clause 4.4.1.1 (i)

**(iii) Shirt**

All requirements shall be as per clause 4.4.1.1 (ii)

**(iv) Bow-tie**

- a) The bow-tie shall be pantone black C in colour.
- b) The materials of construction shall be 65% polyester and 35% cellulose.

**(v) Ceremonial shirt (also referred to as African Attire)**

- a) The ceremonial shirt mix of colours, design and logo shall be as per the approved design/sample.
- b) The materials of construction shall be 65% polyester and 35% cellulose.

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**4.4.9.2. Waitress' set**

The set shall comprise of: one waist coat, one trouser or skirt, two blouses, one scarf and one ceremonial blouse (African Attire).

**(i) Waist coat**

- a) The coat shall be pantone black C in colour for executive kitchen staff and pantone blue 288C for IESR staff
- b) All requirements shall be as per clause 4.4.5 (i)

**(ii) Trouser**

All requirements shall be as per clause 4.4.1.2 (i)

**(iii) Skirt**

All requirements shall be as per clause 4.4.1.2 (ii)

**(iv) Blouse**

All requirements shall be as per clause 4.4.1.2 (iii)

**(v) Scarf**

All requirements shall be as per clause 4.4.3.2 (v)

**(vi) Ceremonial blouse (also referred to as African Attire)**

- a) The ceremonial shirt mix of colours, design and logo shall be as per the approved design/sample.
- b) The materials of construction shall be 65% polyester and 35% cellulose

**4.4.10. Receptionist Set**

The receptionist set shall comprise: one coat, one skirt or one trouser, two blouses and one scarf.

**(i) Coat**

All requirements shall be as per clause 4.4.3.2 (i)

**(ii) Blouse**

shall be pantone yellow 603C or white in colour and all other requirements as per clause 4.4.1.2(iii)

**(iii) Trouser**

All requirements shall be as per clause 4.4.1.2 (i)

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(iv) **Skirt**  
All requirements shall be as per clause 4.4.1.2 (ii)

(v) **Scarf**  
All requirements shall be as per clause 4.4.3.2 (v)

**4.4.11. Cashiers' Set**

The uniform set for cashiers shall have same components and be in accordance with clause 4.4.10 and approved design/sample.

**4.5 QUALITY MANAGEMENT SYSTEM**

4.5.1 The bidder shall submit a quality assurance plan (QAP) that will be used to ensure that the measured uniforms design, material, workmanship, tests, service capability, maintenance and documentation, will fulfill the requirements stated in the contract documents, standards, specifications and regulations. The QAP shall be based on and include relevant parts to fulfill the requirements of ISO 9001:2008.

4.5.2 The Manufacturer's Declaration of Conformity to reference standards and copies of quality management certifications including copy of valid and relevant ISO 9001: 2008 certificate shall be submitted with the tender for evaluation.

4.5.3 The bidder shall indicate the delivery time of the measured uniforms, manufacturer's monthly & annual production capacity and experience in the production of the type and size of measured uniforms being offered. A detailed list and contact addresses (including e-mail) of the manufacturer's previous customers for similar measured uniforms sold in the last five years as well as reference letters from at least four of the customers shall be submitted with the tender for evaluation.

**5. TESTS AND INSPECTION**

5.1 Tests for the materials used and standard of manufacture shall be done in accordance with the relevant Kenya Standards, KS 541, KS 1469, KS 08-687 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 testing laboratory that is accredited to ISO/IEC 17025 shall be submitted with the tender for the purpose of technical evaluation. The accreditation certificate for the testing laboratory shall also be submitted with the tender.

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The test reports to be submitted with the tender for evaluation shall include material composition, standard of manufacture and properties (colour fastness and change in dimensions/shrinkage).

- 5.3 Every batch of measured uniforms 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 measured uniforms, 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, measured uniforms 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 garment and shall have the following information; marked legibly and indelibly:
  - name/trademark of manufacturer;
  - standard to which the garment complies;
  - size;
  - instructions for care and cleaning
  - Material details (Fibre composition)

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

- 6.2 The measured uniform 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 Items required as a set shall be packed as so required.
- 6.4 Each package of each set/item shall be labeled with the name, staff number and station of the person whose measurements were taken.
- 6.5 Detailed user's instructions guide including washing guide and meaning of all symbols used shall be submitted with each item printed in English language.

**DOCUMENTATION**

- 7.1 The bidder shall submit its tender complete with technical documents required by Annex A (Guaranteed Technical Particulars) for tender evaluation. The technical documents to be submitted (all in English language) for tender evaluation shall include the following:
  - a) Guaranteed Technical Particulars signed by the manufacturer;

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- b) Copies of the Manufacturer's catalogues, brochures, drawings and technical data;
- c) Sales records for the last five years and at least four customer reference letters;
- d) Details of manufacturing capacity and the manufacturer's experience;
- e) Copies of required type test reports by a third party testing laboratory accredited to ISO/IEC 17025;
- f) Copy of accreditation certificate to ISO/IEC 17025 for the third party testing laboratory;
- g) Manufacturers letter of authorization, ISO 9001:2008 certificate and other technical documents required in the tender.

7.2 The successful bidder (supplier) shall submit the following documents/details to The Kenya Power & Lighting Company for approval before manufacture:

- a) Guaranteed Technical Particulars signed by the manufacturer;
- b) Design Drawings with details of the measured uniform to be manufactured for KPLC.
- c) Quality assurance plan (QAP) that will be used to ensure that the design, material; workmanship, tests, service capability, maintenance and documentation will fulfill the requirements stated in the contract documents, standards, specifications and regulations. The QAP shall be based on and include relevant parts to fulfill the requirements of ISO 9001:2008
- d) Detailed test program to be used during factory testing;
- e) Marking details and method to be used in marking the Measured uniforms;
- f) Manufacturer's undertaking to ensure adequacy of the design, good engineering practice, adherence to the specification and applicable standards and regulations as well as ensuring good workmanship in the manufacture of the Measured uniforms for The Kenya Power & Lighting Company;
- g) Packaging details (including packaging materials).

7.3 The supplier shall submit recommendations for use, care, storage and routine inspection/testing procedures, all in the English Language, during delivery of the measured uniforms to KPLC stores.

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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.** .....

| <b>REQUIREMENT</b>   | <b>BIDDER'S OFFER</b><br>(indicate full details of offered item) |         |
|--|--|---------|
| Name & address of manufacturer   | Specify  |         |
| Brand Name or designation  | Specify  |         |
| Country of manufacture   | Specify  |         |
| Bidders Name and address   | Specify  |         |
| 1.0 Scope  | Specify  |         |
| 1.1-1.3  | Specify  |         |
| 2 Applicable Standards   | Specify  |         |
| 3 Terms and definitions  | Specify  |         |
| 4 <b>Requirements</b>  | Specify  |         |
| 4.1 Service Conditions   | Specify  |         |
| 4.2 <b>General requirements</b>  | <b>Specify</b>   |         |
| 4.2.1 Uniforms and materials are new and unused  | Specify  |         |
| 4.2.2 Materials of manufacture comply with Kenyan standard KS 541 or equivalent standard                               | Specify  |         |
| 4.2.3 Designs colours and marking as per specification and Annex B   | Specify  |         |
| 4.2.4 Items made from fibre-dyed fabric  | Specify  |         |
| 4.2.5 Sizes as per measurements taken.   | Specify  |         |
| Where stated standard sizes are as per ISO 3636 and ISO 3637   | Specify  |         |
| The measurements/sizes shall provide enough allowance for comfort on the wearer  | Specify  |         |
| 4.2.6 Pocket bags sewn with double stitch (two rows of stitching)  | Specify  |         |
| 4.2.7 Pockets, buttons and buttonholes properly aligned and as per approved design                                     | Specify  |         |
| 4.2.8 Buttonholes  | Open   | Specify |
|  | Edges sewn   | Specify |
|  | Ends locked  | Specify |
| 4.2.9 Buttons and sewing threads match colour of main fabric   | Specify  |         |
| 4.2.10 Button attached to garment with minimum 8 stiches and tacked with minimum 4 stitches to lock the thread         | Specify  |         |
| 4.2.11 Seams, stitching, sewing threads, facings, buttons, fronts, closurers and fasteners conform to Kenyan standards | Specify  |         |
| Number of stitches per item shall be 10-12 per inch (25.4mm)   | Specify  |         |
| 4.2.12 Finish  | Specify  |         |
| 4.2.13 Each garment well pressed, free from gloss, brushed off and free  | Specify  |         |

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|---|--|--|
|   | from loose threads and ends of threads.  |  |
| 4.2.14  | Raw edges finished by overlocking and asecuring stitch                                     | Specify  |
| 4.2.15  | Each garment shall be free from hole, cut or tear  | Specify  |
| 4.2.16  | Metallic parts used shall be corrosion resistant   | Specify  |
| 4.2.17  | Kenya power logo embroidered as per specification  | Specify  |
| 4.2.18  | Supplier shall submit samples, drawings and technical data for approval before manufacture | Specify  |
| 4.2.19  | Viscose for pockets and lining to be 100% viscose  | Specify  |
| <b>4.3</b>  | <b>Materials</b>   |  |
| Table 1:<br><br>Trousers, Coat, Kaunda, Skirt, overall type 1 – PC5 | Fiber composition  | Polyester<br>Cellulose   |
|   | Breaking load  | Warp way   |
|   |  | Weft way   |
|   | Threads per cm   | Warp way   |
|   |  | Weft way   |
|   | Mass per unit g/m <sup>2</sup>   |  |
|   | Tear resistance  | Warp way   |
|   |  | Weft way   |
|   | Colour fastness to dry cleaning  | Colour change  |
|   |  | Staining   |
|   | Colour fastness to hot pressing  | Colour change  |
|   |  | Staining   |
|   | Colour fastness to light   |  |
|   | Colour fastness to perspiration  | Colour change  |
|   |  | Staining   |
|   | Colour fastness to rubbing   |  |
|   | Colour fastness to washing   | Colour change  |
| Staining  |  |  |
| Colour fastness to weathering                                       |  |  |
| Crease recovery angle   | Warp way   |  |
|   | Weft way   |  |
| Dimensional changes to cold water immersion                         | Warp way   |  |
|   | Weft way   |  |
| Pilling resistance  |  |  |
| Weave   |  |  |

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**BIDDER'S OFFER**  
*(indicate full details of offered item)*

| REQUIREMENT                                 |                                 |                             | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|---|---------------------------------|-----------------------------|--|
|   |                                 |                             | standard   |
| Table 2:<br>Shirt and blouse PC1            | Fiber composition               | Polyester                   | State value + test standard                                      |
|   |                                 | Cellulose                   | standard   |
|   | Breaking load                   | Warp way                    | State value + test standard                                      |
|   |                                 | Weft way                    | standard   |
|   | Mass per unit g/m <sup>2</sup>  |                             | State value + test standard                                      |
|   | Threads per cm                  | Warp way                    | State value + test standard                                      |
|   |                                 | Weft way                    | standard   |
|   | Tear resistance                 | Warp way                    | State value + test standard                                      |
|   |                                 | Weft way                    | standard   |
|   | Colour fastness to dry cleaning | Colour change               | State value + test standard                                      |
|   |                                 | Staining                    | standard   |
|   | Colour fastness to hot pressing | Colour change               | State value + test standard                                      |
|   |                                 | Staining                    | standard   |
|   | Colour fastness to light        |                             | State value + test standard                                      |
|   | Colour fastness to perspiration | Colour change               | State value + test standard                                      |
|   |                                 | Staining                    | standard   |
|   | Colour fastness to rubbing      | Dry                         | State value + test standard                                      |
|   |                                 | Wet                         | standard   |
|   | Colour fastness to washing      | Colour change               | State value + test standard                                      |
|   |                                 | Staining                    | standard   |
| Colour fastness to weathering               |                                 | State value + test standard |  |
| Crease recovery angle                       | Warp way                        | State value + test standard |  |
|   | Weft way                        | standard                    |  |
| Dimensional changes after 5 washings        | Warp way                        | State value + test standard |  |
|   | Weft way                        | standard                    |  |
| Dimensional changes to cold water immersion | Warp way                        | State value + test standard |  |
|   | Weft way                        | standard                    |  |
| Pilling resistance                          |                                 | State value + test standard |  |
| Weave                                       |                                 | State value + test standard |  |
| Table 3:<br>Drill Trouser material          | Fiber composition               | Cotton                      | State value + test standard                                      |
|   | Breaking load                   | Warp way                    | State value + test standard                                      |
|   |                                 | Weft way                    | standard   |
| Mass per unit g/m <sup>2</sup>              |                                 | State value + test standard |  |

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| REQUIREMENT                                    |                                 | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |                             |
|--|---------------------------------|--|-----------------------------|
|  |                                 | standard   |                             |
| Tear resistance                                | Warp way                        | State value + test standard                                      |                             |
|  | Weft way                        |  |                             |
| Colour fastness to dry cleaning                | Colour change                   | State value + test standard                                      |                             |
|  | Staining                        |  |                             |
| Colour fastness to hot pressing                | Colour change                   | State value + test standard                                      |                             |
|  | Staining                        |  |                             |
| Colour fastness to light                       |                                 | State value + test standard                                      |                             |
| Colour fastness to perspiration                | Colour change                   | State value + test standard                                      |                             |
|  | Staining                        |  |                             |
| Colour fastness to rubbing                     | Dry                             | State value + test standard                                      |                             |
|  | Wet                             |  |                             |
| Colour fastness to washing                     | Colour change                   | State value + test standard                                      |                             |
|  | Staining                        |  |                             |
| Colour fastness to weathering                  |                                 | State value + test standard                                      |                             |
| Crease recovery angle                          | Warp way                        | State value + test standard                                      |                             |
|  | Weft way                        |  |                             |
| Dimensional changes after 5 washings           | Warp way                        | State value + test standard                                      |                             |
|  | Weft way                        |  |                             |
| Dimensional changes to cold water immersion    | Warp way                        | State value + test standard                                      |                             |
|  | Weft way                        |  |                             |
| Pilling resistance                             |                                 | State value + test standard                                      |                             |
| Weave  |                                 | State value + test standard                                      |                             |
| Table 4:<br>Kitenge<br>Material - C1<br>fabric | Fiber composition               | Cotton   |                             |
|  | Breaking load                   | Warp way   | State value + test standard |
|  |                                 | Weft way   |                             |
|  | Mass per unit g/m <sup>2</sup>  |  | State value + test standard |
|  | Threads per cm                  | Warp way   | State value + test standard |
|  |                                 | Weft way   |                             |
|  | Colour fastness to dry cleaning | Colour change  | State value + test standard |
| Staining                                       |                                 |  |                             |
| Colour fastness to hot pressing                | Colour change                   | State value + test standard                                      |                             |
|  | Staining                        |  |                             |

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*(indicate full details of offered item)*

|                              |   |                           |                             |
|------------------------------|---|---------------------------|-----------------------------|
|                              | Colour fastness to light                    |                           | State value + test standard |
|                              | Colour fastness to perspiration             | Colour change<br>Staining | State value + test standard |
|                              | Colour fastness to rubbing                  | Dry<br>Wet                | State value + test standard |
|                              | Colour fastness to washing                  | Colour change<br>Staining | State value + test standard |
|                              | Colour fastness to weathering               |                           | State value + test standard |
|                              | Crease recovery angle                       | Warp way<br>Weft way      | State value + test standard |
|                              | Dimensional changes to cold water immersion | Warp way<br>Weft way      | State value + test standard |
|                              | Pilling resistance                          |                           | State value + test standard |
|                              | Weave                                       |                           | State value + test standard |
| Table 5:<br>T Shirt material | Fiber composition                           | Cellulose                 | State value + test standard |
|                              | Bursting strength                           |                           | State value + test standard |
|                              | Mass per unit g/m <sup>2</sup>              |                           | State value + test standard |
|                              | Colour fastness to dry cleaning             | Colour change<br>Staining | State value + test standard |
|                              | Colour fastness to hot pressing             | Colour change<br>Staining | State value + test standard |
|                              | Colour fastness to light                    |                           | State value + test standard |
|                              | Colour fastness to perspiration             | Colour change<br>Staining | State value + test standard |
|                              | Colour fastness to rubbing                  | Dry<br>Wet                | State value + test standard |
|                              | Colour fastness to washing                  | Colour change<br>Staining | State value + test standard |
|                              | Dimensional changes to cold water immersion | Warp way<br>Weft way      | State value + test standard |
| Table 6:                     | Fiber composition                           | Polyester                 | State value + test          |

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| <b>REQUIREMENT</b>           |   | <b>BIDDER'S OFFER<br/>(indicate full details of<br/>offered item)</b>  |
|------------------------------|---|--|
| Necktie and scarf material   |   | standard   |
|                              | Bursting strength   | State value + test standard  |
|                              | Mass per unit g/m <sup>2</sup>                                | State value + test standard  |
|                              | Colour fastness to dry cleaning                               | Colour change<br>Staining<br>State value + test standard   |
|                              | Colour fastness to hot pressing                               | Colour change<br>Staining<br>State value + test standard   |
|                              | Colour fastness to light                                      | State value + test standard  |
|                              | Colour fastness to perspiration                               | Colour change<br>Staining<br>State value + test standard   |
|                              | Colour fastness to rubbing                                    | Dry<br>Wet<br>State value + test standard  |
|                              | Colour fastness to washing                                    | Colour change<br>Staining<br>State value + test standard   |
|                              | Dimensional changes to cold water immersion                   | Warp way<br>Weft way<br>State value + test standard  |
| <b>4.4</b>                   | <b>Particular requirements</b>                                |  |
| 4.4.1                        | The Meter readers set shall comprise of:                      | Men: One trouser, two shirts and one safari coat<br>Ladies: One skirt or trouser, two blouses and one safari coat<br>Specify |
| 4.4.1.1 (i)<br>Men's Trouser | The colour shall be Pantone Blue 288C                         | Specify  |
|                              | Main material used shall be 65% polyester and 35% cellulose   | Specify  |
|                              | Straight in design  | Specify  |
|                              | With front/hip pockets  | Specify  |
|                              | One right back pocket with button                             | Specify  |
|                              | Two front gathers on each side                                | Specify  |
|                              | Six belt loops  | Specify  |
|                              | Zipper fly with stainless steel metallic hook and button      | Specify  |
|                              | Fly with matching blue thread stitching                       | Specify  |
|                              | Pockets width and depth                                       | Specify  |
|                              | Style of front/hip pocket                                     | Specify  |
|                              | Back pocket inserted in garment through slash in shell fabric | Specify  |
|                              | Shield lining and fork lining made from main fabric           | Specify  |
| 4.4.1.1 (ii)                 | The colour shall be Pantone blue 657C or white                | Specify  |
|                              | Main material used shall be 65% polyester and 35% cellulose   | Specify  |

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| REQUIREMENT                     |  | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|---------------------------------|--|--|
| Shirt                           | Long sleeved with cuffs  | Specify  |
|                                 | Collar type  | Specify  |
|                                 | One left chest pocket with a flap enclosed with a small button   | Specify  |
|                                 | Shirt with front placket with 7 buttons  | Specify  |
|                                 | KPLC logo to be embroidered on center left chest area above pocket   | Specify  |
|                                 | Dimensions of KPLC logo  | Specify  |
| 4.4.1.1 (iii)<br>Safari coat    | The colour shall be Pantone blue 288C  | Specify  |
|                                 | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                                 | Shall be Sleeveless with no collar   | Specify  |
|                                 | Have four front buttons  | Specify  |
|                                 | Four front pockets all buttoned and with flaps   | Specify  |
|                                 | Back with a central seam with an overlapping cut at bottom   | Specify  |
|                                 | Inner lining made of viscose   | Specify  |
|                                 | KPLC logo to be embroidered on center left chest area above pocket in reflective yellow colour             | Specify  |
|                                 | Dimensions of KPLC logo  | Specify  |
|                                 | The letters "Kenya Power" to be embroidered at the back center in reflective yellow. Dimensions 200mmx60mm | Specify  |
|                                 |  | Specify  |
| 4.4.1.2 (i)<br>Ladies' Trousers | The colour shall be Pantone Blue 288C  | Specify  |
|                                 | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                                 | Straight in design   | Specify  |
|                                 | Two hip pockets  | Specify  |
|                                 | Pockets width and depth  | Specify  |
|                                 | Five belt loops  | Specify  |
|                                 | One dart on each side both at back and front   | Specify  |
|                                 | Waist band, elasticized on both sides on request   | Specify  |
|                                 | Zipper fly with one button and matching blue thread stitching  | Specify  |
|                                 | Shield lining and fork lining made from main fabric  | Specify  |
|                                 | Pocket bags made of viscose  | Specify  |
| 4.4.1.2 (ii)<br>Skirt           | The colour shall be Pantone blue 288C  | Specify  |
|                                 | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                                 | Waist band, elasticized on both sides on request   | Specify  |
|                                 | Four belt loops  | Specify  |
|                                 | One dart on each side at both front and back   | Specify  |
|                                 | Overlapping slit at the back   | Specify  |
|                                 | Zipper at center back with one button  | Specify  |

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|--|--|--|---------|
|  | ¾ length inner lining viscose  | Specify  |         |
|  |  | Specify  |         |
| 4.4.1.2 (iii)  | The colour shall be Pantone blue 657C or white   | Specify  |         |
| Blouse   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |         |
|  | ¾ sleeved  | Specify  |         |
|  | Collar type  | Specify  |         |
|  | Front buttons  | Specify  |         |
|  | One chest pocket on left   | Specify  |         |
|  | KPLC logo to be embroidered on left chest area above pocket  | Specify  |         |
|  | Dimensions of KPLC logo  | Specify  |         |
| 4.4.1.2 (iv)   | The colour shall be Pantone blue 288C  | Specify  |         |
| Safari coat  | Main material used shall be 65% polyester and 35% cellulose  | Specify  |         |
|  | Shall be Sleeveless with no collar   | Specify  |         |
|  | Have four front buttons  | Specify  |         |
|  | Four front pockets all buttoned and with flaps   | Specify  |         |
|  | Back with a central seam with an overlapping cut at bottom   | Specify  |         |
|  | Inner lining made of viscose   | Specify  |         |
|  | KPLC logo to be embroidered on center left chest area above pocket in reflective yellow colour             | Specify  |         |
|  | Dimensions of KPLC logo  | Specify  |         |
|  | The letters "Kenya Power" to be embroidered at the back center in reflective yellow. Dimensions 200mmx60mm | Specify  |         |
| 4.4.2  | The suit shall be Pantone blue 288C in colour  | Specify  |         |
| Kaunda suit  | Main material used shall be 65% polyester and 35% cellulose  | Specify  |         |
|  | Top  | Short sleeved with turn-up   | Specify |
|  |  | Have five front buttons  | Specify |
|  |  | Collar type  | Specify |
|  |  | Two chest pockets with buttoned flaps  | Specify |
|  |  | KPLC logo to be embroidered on center left chest area above pocket in reflective yellow colour | Specify |
|  |  | Dimensions of KPLC logo  | Specify |
|  | Trousers   | With front/hip pockets   | Specify |
|  |  | One right back pocket with button  | Specify |
|  |  | Two front gathers on each side   | Specify |
|  |  | Six belt loops   | Specify |
|  |  | Zipper fly with stainless steel metallic hook and button                                       | Specify |
|  |  | Fly with matching blue thread stitching  | Specify |
|  |  | Pockets width and depth  | Specify |
|  |  | Style of front/hip pocket  | Specify |
| Back pocket inserted in garment through slash in shell |  | Specify  |         |

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| REQUIREMENT   |   | BIDDER'S OFFER<br>(indicate full details of offered item) |
|---|---|---|
|   | fabric  |   |
|   | Shield lining and fork lining made from main fabric                               | Specify   |
|   | Knee lining and pocket bags made of viscose                                       | Specify   |
| 4.4.3.1   | The men drivers suit shall comprise one coat, one trouser, two shirts and one tie |   |
| 4.4.3.1 (i)<br>Men's Coat                                       | The coat shall be Pantone blue 288C in colour                                     | Specify   |
|   | Main material used shall be 65% polyester and 35% cellulose                       | Specify   |
|   | Lining material shall be 100% viscose   | Specify   |
|   | Shall be single breasted, three button design                                     | Specify   |
|   | With padded lining in shoulder area   | Specify   |
|   | Reinforced collar   | Specify   |
|   | Two inside pockets  | Specify dimensions  |
|   | Two hip pockets with flaps and pantone yellow 7406C band on outside.              | Specify dimensions  |
|   | Pockets non-patched type  | Specify   |
|   | One chest pocket  | Specify dimensions  |
|   | Double cut at the back  | Specify   |
|   | Coat shall be fully lined   | Specify   |
|   | Shall have notch lapels   | Specify   |
|   | Each sleeve shall have three spaced buttons at the end                            | Specify   |
| KPLC logo to be embroidered on center left chest area on pocket | Specify   |   |
| Dimensions of KPLC logo   | Specify   |   |
| 4.4.3.1 (ii)<br>Trouser   | The colour shall be Pantone Blue 288C   | Specify   |
|   | Main material used shall be 65% polyester and 35% cellulose                       | Specify   |
|   | Straight in design  | Specify   |
|   | With front/hip pockets  | Specify   |
|   | One right back pocket with button   | Specify   |
|   | Two front gathers on each side  | Specify   |
|   | Six belt loops  | Specify   |
|   | Zipper fly with stainless steel metallic hook and button                          | Specify   |
|   | Fly with matching blue thread stitching   | Specify   |
|   | Pockets width and depth   | Specify   |
|   | Style of front/hip pocket   | Specify   |
|   | Back pocket inserted in garment through slash in shell fabric                     | Specify   |
|   | Shield lining and fork lining made from main fabric                               | Specify   |
| Knee lining and pocket bags made of viscose                     | Specify   |   |
| 4.4.3.1 (iii)<br>Shirt  | The colour shall be Pantone blue 657C or white                                    | Specify   |
|   | Main material used shall be 65% polyester and 35% cellulose                       | Specify   |
|   | Long sleeved with cuffs   | Specify   |
|   | Collar type   | Specify   |
|   | One left chest pocket with a flap enclosed with a small button                    | Specify   |

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| <b>REQUIREMENT</b>         |   | <b>BIDDER'S OFFER</b><br><i>(indicate full details of offered item)</i> |
|----------------------------|---|---|
|                            | Shirt with front placket with 7 buttons   | Specify   |
|                            | KPLC logo to be embroidered on center left chest area above pocket                          |   |
|                            | Dimensions of KPLC logo   |   |
| 4.4.3.1 (iv)               | Tie colours   | Specify   |
| Tie                        | Tie material to be 100% polyester   |   |
|                            | Tie with logo embroidered or watermarked  | Specify/dimensions  |
|                            | Design  | Provide drawing   |
| 4.4.3.2                    | The lady drivers suit shall comprise one coat, one trouser/skirt, two blouses and one scarf | Specify   |
| 4.4.3.2 (i)<br>Ladies Coat | The coat shall be Pantone blue 288C in colour   | Specify   |
|                            | Main material used shall be 65% polyester and 35% cellulose                                 | Specify   |
|                            | Lining material shall be 100% viscose   | Specify   |
|                            | Shall be two button design with lining padded in shoulder areas                             | Specify   |
|                            | Reinforced collar   | Specify   |
|                            | One inside pocket on the left   | Specify dimensions  |
|                            | Two waist pockets with flaps and band in pantone yellow 7406C colour on outside             | Specify dimensions  |
|                            | Pockets non patched   | Specify   |
|                            | Each sleeve with two buttons equally spaced   | Specify   |
|                            | KPLC logo to be embroidered on center left chest area                                       | Specify   |
| 4.4.3.2 (ii)<br>Blouse     | Dimensions of KPLC logo   | Specify   |
|                            | The colour shall be Pantone blue 657C or white  | Specify   |
|                            | Main material used shall be 65% polyester and 35% cellulose                                 | Specify   |
|                            | ¾ sleeved   | Specify   |
|                            | Collar type   | Specify   |
|                            | Front buttons   | Specify   |
|                            | One chest pocket on left  | Specify   |
|                            | KPLC logo to be embroidered on left chest area above pocket                                 | Specify   |
| 4.4.3.2 (iii)<br>Skirt     | Dimensions of KPLC logo   | Specify   |
|                            | The colour shall be Pantone blue 288C   | Specify   |
|                            | Main material used shall be 65% polyester and 35% cellulose                                 | Specify   |
|                            | Waist band, elasticized on both sides on request  | Specify   |
|                            | Four belt loops   | Specify   |
|                            | One dart on each side at both front and back  | Specify   |
|                            | Overlapping slit at the back  | Specify   |
|                            | Zipper at center back with one button   | Specify   |
| 4.4.3.2 (iv)<br>Trouser    | ¾ length inner lining viscose   | Specify   |
|                            | The colour shall be Pantone Blue 288C   | Specify   |
|                            | Main material used shall be 65% polyester and 35% cellulose                                 | Specify   |
|                            | Straight in design  | Specify   |

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**BIDDER'S OFFER**  
*(indicate full details of offered item)*

|                         |  |                    |
|-------------------------|--|--------------------|
|                         | With front/hip pockets   | Specify            |
|                         | One right back pocket with button  | Specify            |
|                         | Two front gathers on each side   | Specify            |
|                         | Six belt loops   | Specify            |
|                         | Zipper fly with stainless steel metallic hook and button                                     | Specify            |
|                         | Fly with matching blue thread stitching  | Specify            |
|                         | Pockets width and depth  | Specify            |
|                         | Style of front/hip pocket  | Specify            |
|                         | Back pocket inserted in garment through slash in shell fabric                                | Specify            |
|                         | Shield lining and fork lining made from main fabric  | Specify            |
|                         | Knee lining and pocket bags made of viscose  | Specify            |
| 4.4.3.2 (v)             | Scarf colours  | Specify            |
| Scarf                   | Tie material to be 100% polyester  | Specify            |
|                         |  | Specify            |
| 4.4.4.1                 | The men's executive drivers set shall comprise one coat, one trouser, two shirts and one tie | Specify            |
| 4.4.4.1 (i)             | The coat shall be pantone black C in colour  | Specify            |
| Men's Coat              | Main material used shall be 65% polyester and 35% cellulose                                  | Specify            |
|                         | Lining material shall be 100% viscose  | Specify            |
|                         | Shall be single breasted, three button design  | Specify            |
|                         | With padded lining in shoulder area  | Specify            |
|                         | Reinforced collar  | Specify            |
|                         | Two inside pockets   | Specify dimensions |
|                         | Two hip pockets with flaps and yellow band on outside.                                       | Specify dimensions |
|                         | Pockets non-patched type   | Specify            |
|                         | One chest pocket   | Specify dimensions |
|                         | Double cut at the back   | Specify            |
|                         | Coat shall be fully lined  | Specify            |
|                         | Shall have notch lapels  | Specify            |
|                         | Each sleeve shall have three spaced buttons at the end                                       | Specify            |
| 4.4.4.1 (ii)            | The colour shall be pantone black C  | Specify            |
| Men's Trouser           | Main material used shall be 65% polyester and 35% cellulose                                  | Specify            |
|                         | Straight in design   | Specify            |
|                         | With front/hip pockets   | Specify            |
|                         | One right back pocket with button  | Specify            |
|                         | Two front gathers on each side   | Specify            |
|                         | Six belt loops   | Specify            |
|                         | Zipper fly with stainless steel metallic hook and button                                     | Specify            |
|                         | Fly with matching blue thread stitching  | Specify            |
| Pockets width and depth | Specify  |                    |

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| REQUIREMENT               |  | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|---------------------------|--|--|
|                           | Style of front/hip pocket  | Specify  |
|                           | Back pocket inserted in garment through slash in shell fabric  | Specify  |
|                           | Shield lining and fork lining made from main fabric  | Specify  |
|                           | Knee lining and pocket bags made of viscose  | Specify  |
| 4.4.4.1 (iii)             | The colour shall be Pantone blue 657C or white   | Specify  |
| shirt                     | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                           | Long sleeved with cuffs  | Specify  |
|                           | Collar type  | Specify  |
|                           | One left chest pocket with a flap enclosed with a small button   | Specify  |
|                           | Shirt with front placket with 7 buttons  | Specify  |
| 4.4.4.1 (iv)              | Tie colours  | Specify  |
| Tie                       | Tie material to be 100% polyester  |  |
|                           | Tie with logo embroidered or watermarked   | Specify/dimensions   |
|                           | Design   | Provide drawing  |
| 4.4.4.2                   | The ladies' executive drivers set shall comprise one coat, one trouser or skirt, two blouses and one scarf | Specify  |
| 4.4.4.2(i)<br>Ladies Coat | The coat shall be pantone black C in colour  | Specify  |
|                           | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                           | Lining material shall be 100% viscose  | Specify  |
|                           | Shall be two button design with lining padded in shoulder areas  | Specify  |
|                           | Reinforced collar  |  |
|                           | One inside pocket on the left  | Specify dimensions   |
|                           | Two waist pockets with flaps and band in pantone yellow 7406C colour on outside                            | Specify dimensions   |
|                           | Pockets non patched  | Specify  |
|                           | Each sleeve with two buttons equally spaced  | Specify  |
| 4.4.4.2(ii)<br>Blouse     | The colour shall be Pantone blue 657C or white   | Specify  |
|                           | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                           | ¾ sleeved  | Specify  |
|                           | Collar type  | Specify  |
|                           | Front buttons  | Specify  |
|                           | One chest pocket on left   | Specify  |
|                           | Dimensions of KPLC logo  | Specify  |
| 4.4.4.2(iii)<br>Skirt     | The colour shall be pantone black C  | Specify  |
|                           | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                           | Waist band, elasticized on both sides on request   | Specify  |
|                           | Four belt loops  | Specify  |
|                           | One dart on each side at both front and back   | Specify  |
|                           | Overlapping slit at the back   | Specify  |
|                           | Zipper at center back with one button  | Specify  |

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**BIDDER'S OFFER**  
*(indicate full details of offered item)*

|                                   |   |         |
|-----------------------------------|---|---------|
|                                   | ¾ length inner lining viscose   | Specify |
| 4.4.4.2(iv)<br>Ladies<br>Trousers | The colour shall be pantone black C   | Specify |
|                                   | Main material used shall be 65% polyester and 35% cellulose                                       | Specify |
|                                   | Straight in design  | Specify |
|                                   | Two hip pockets   | Specify |
|                                   | Pockets width and depth   | Specify |
|                                   | Five belt loops   | Specify |
|                                   | One dart on each side both at back and front  | Specify |
|                                   | Waist band, elasticized on both sides on request  | Specify |
|                                   | Zipper fly with one button and matching blue thread stitching                                     | Specify |
|                                   | Shield lining and fork lining made from main fabric   | Specify |
|                                   | Pocket bags made of viscose   | Specify |
| 4.4.4.2(v)<br>Scarf               | Scarf colours   | Specify |
|                                   | Tie material to be 100% polyester   | Specify |
| 4.4.5                             | The Tea ladies set shall comprise one waist coat, one skirt, two blouses, one scarf and one apron | Specify |
| 4.4.5 (i)<br>Waist coat           | The coat shall be blue pantone 288C in colour.  | Specify |
|                                   | Main material used shall be 65% polyester and 35% cellulose                                       | Specify |
|                                   | Main material shall be used for front and for back  | Specify |
|                                   | Shall have a full inner lining of 100 % viscose   | Specify |
|                                   | Coat shall be sleeveless with no collar   | Specify |
|                                   | Shall have five front buttons equally spaced  | Specify |
|                                   | Shall have two front lower pockets each with pantone yellow 7406C band                            | Specify |
|                                   | Give appropriate pocket dimensions  | Specify |
|                                   | Front with two side seams   | Specify |
|                                   | Back with one central seam  | Specify |
|                                   | Back and front enjoined by two side seams   | Specify |
|                                   | KPLC logo to be embroidered on center left chest area in reflective yellow colour                 | Specify |
|                                   | Dimensions of KPLC logo   | Specify |
| 4.4.5(ii) Skirt                   | The colour shall be Pantone blue 288C   | Specify |
|                                   | Main material used shall be 65% polyester and 35% cellulose                                       | Specify |
|                                   | Waist band, elasticized on both sides on request  | Specify |
|                                   | Four belt loops   | Specify |
|                                   | One dart on each side at both front and back  | Specify |
|                                   | Overlapping slit at the back  | Specify |
|                                   | Zipper at center back with one button   | Specify |
|                                   | ¾ length inner lining viscose   | Specify |
| 4.4.5(iii)                        | The colour shall be Pantone blue 657C or white  | Specify |

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|--|--|--|
| Blouse   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|  | ¾ sleeved  | Specify  |
|  | Collar type  | Specify  |
|  | Front buttons  | Specify  |
|  | One chest pocket on left   | Specify  |
|  | KPLC logo to be embroidered on left chest area above pocket  | Specify  |
|  | Dimensions of KPLC logo  | Specify  |
| 4.4.5(iv)<br>Scarf                                   | Scarf colours  | Specify  |
|  | Tie material to be 100% polyester  | Specify  |
|  |  | Specify  |
| 4.4.5(v)<br>Apron                                    | The apron shall be white in colour   | Specify  |
|  | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|  | Shall be a long full apron design below knee height  | Specify  |
|  | Shall have one front pocket  | Specify dimensions   |
|  | Shall have two tie straps at the back and one neck loop designed for comfort and convenience.        | Specify  |
| 4.4.6  | The Artisans/Craftsmen shall have a set of one polo Tee shirt and one pair of jeans Unisex in design | Specify  |
| 4.4.6(i) Polo<br>Tee-shirt                           | The polo tee shirt shall have a full collar with three front buttons                                 | Specify  |
|  | Shall be blue pantone 288C in colour   | Specify  |
|  | Collar and inner button line shall be pantone yellow 7406C   | Specify  |
|  | Shall have a front pocket with pantone yellow 7406C piping   | Specify pocket dimensions  |
|  | Short sleeved with arm band.   | Specify  |
|  | Arm band with pantone yellow 7406C piping  | Specify  |
|  | The tee shirt shall have double stitched side seams  | Specify  |
|  | Material to be 100% cellulose  | Specify  |
|  | KPLC logo to be embroidered on center left chest area above pocket in reflective yellow colour       | Specify  |
|  | Dimensions of KPLC logo  | Specify  |
|  | Design of shirt  | Provide drawings   |
| Sizes shall be as per measurements taken after award | Specify  |  |
| 4.4.6(ii)<br>Jeans<br>Trousers                       | The jeans trouser shall be blue pantone 654C in colour   | Specify  |
|  | Material of construction shall be 100% cotton of twill weave   | specify  |
|  | Straight design with two front jeans pockets   | specify  |
|  | Front pockets dimensions and shape   | Specify dimensions/<br>Provide drawing                           |
|  | One small inner patched pocket inside the right front pocket   | Provide dimensions   |
|  | Two back patched pockets   | Provide dimensions<br>and design drawing                         |
|  | Front pockets to have matching rivets on each end  | Specify  |

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| <b>REQUIREMENT</b>   | <b>BIDDER'S OFFER<br/>(indicate full details of<br/>offered item)</b> |
|--|---|
| Shall have no front gathers  | Specify   |
| Shall have five belt loops   | Specify   |
| Shall have brass zipper with one bronze button   | Specify   |
| All visible seams sewn with two rows of matching brown thread  | Specify   |
| Sizes as per measurements taken after award  | Specify   |
| 4.4.7 The sweater design shall be military sweater with V neck   | Specify and provide drawing   |
| Shall have patches but no epaulets.  | Specify   |
| Shall be in accordance with Kenya standards for military sweater   | Specify   |
| Material shall be acrylic  | Specify   |
| It shall not lose elasticity at the arms, waist, around neck or body   | Specify   |
| Shall be navy blue   | Specify   |
| KPLC logo to be embroidered on center left chest area in reflective yellow colour  | Specify   |
| Dimensions of KPLC logo  | Specify   |
| 4.4.8 The cooks' uniform set shall comprise of: one double breasted chef's jacket, one trouser or skirt, one checkered scarf, one pill hat and one half apron. | Specify   |
| 4.4.8 (i) Chef's Jacket  | Specify   |
| Chef's jacket shall be unisex and white in colour  | Specify   |
| Material of construction shall be 65% polyester and 35% cellulose.   | Specify   |
| Shall be double breast design. Can be reversed when one is stained   | Specify   |
| Shall have two rows of six chef's buttons on each useable in both directions   | Specify   |
| ¾ Long sleeves with turn-up cuffs in pantone blue 288C   | Specify   |
| It shall have a straight collar pantone yellow 7406C in colour   | Specify   |
| KPLC logo to be embroidered on left chest area above pocket  | Specify   |
| Dimensions of KPLC logo  | Specify   |
| It shall have aeration holes under the armpits   | Specify   |
| It shall be flame retardant  | Specify   |
| Shall have pen pockets on left sleeve  | Specify   |
| 4.4.8(ii) Men's trouser  | Specify   |
| The colour shall be Pantone Blue 288C  | Specify   |
| Main material used shall be 65% polyester and 35% cellulose  | Specify   |
| Straight in design   | Specify   |
| With front/hip pockets   | Specify   |
| One right back pocket with button  | Specify   |
| Two front gathers on each side   | Specify   |
| Six belt loops   | Specify   |
| Zipper fly with stainless steel metallic hook and button   | Specify   |
| Fly with matching blue thread stitching  | Specify   |
| Pockets width and depth  | Specify   |
| Style of front/hip pocket  | Specify   |

|   |   |
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|----------------------------------|--|--|
|                                  | Back pocket inserted in garment through slash in shell fabric      | Specify  |
|                                  | Shield lining and fork lining made from main fabric                | Specify  |
|                                  | Knee lining and pocket bags made of viscose                        | Specify  |
| 4.4.8(iii)<br>Ladies<br>Trousers | The colour shall be Pantone Blue 288C                              | Specify  |
|                                  | Main material used shall be 65% polyester and 35% cellulose        | Specify  |
|                                  | Straight in design   | Specify  |
|                                  | Two hip pockets  | Specify  |
|                                  | Pockets width and depth  | Specify  |
|                                  | Five belt loops  | Specify  |
|                                  | One dart on each side both at back and front                       | Specify  |
|                                  | Waist band, elasticized on both sides on request                   | Specify  |
|                                  | Zipper fly with one button and matching blue thread stitching      | Specify  |
|                                  | Shield lining and fork lining made from main fabric                | Specify  |
| Pocket bags made of viscose      | Specify  |  |
| 4.4.8(iv) Skirt                  | The colour shall be Pantone blue 288C                              | Specify  |
|                                  | Main material used shall be 65% polyester and 35% cellulose        | Specify  |
|                                  | Waist band, elasticized on both sides on request                   | Specify  |
|                                  | Four belt loops  | Specify  |
|                                  | One dart on each side at both front and back                       | Specify  |
|                                  | Overlapping slit at the back                                       | Specify  |
|                                  | Zipper at center back with one button                              | Specify  |
| 4.4.8(v) shirt                   | ¾ length inner lining viscose                                      | Specify  |
|                                  | The colour shall be Pantone blue 657C or white                     | Specify  |
|                                  | Main material used shall be 65% polyester and 35% cellulose        | Specify  |
|                                  | Long sleeved with cuffs  | Specify  |
|                                  | Collar type  | Specify  |
|                                  | One left chest pocket with a flap enclosed with a small button     | Specify  |
|                                  | Shirt with front placket with 7 buttons                            | Specify  |
| 4.4.8(vi)<br>Blouse              | KPLC logo to be embroidered on center left chest area above pocket | Specify  |
|                                  | Dimensions of KPLC logo  | Specify  |
|                                  | The colour shall be Pantone blue 657C or white                     | Specify  |
|                                  | Main material used shall be 65% polyester and 35% cellulose        | Specify  |
|                                  | ¾ sleeved  | Specify  |
| 4.4.8(vii)                       | Collar type  | Specify  |
|                                  | Front buttons  | Specify  |
|                                  | One chest pocket on left   | Specify  |
|                                  | KPLC logo to be embroidered on left chest area above pocket        | Specify  |
|                                  | Dimensions of KPLC logo  | Specify  |
|                                  | The checkered scarf shall be pantone black C and white checkered   | Specify  |
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| REQUIREMENT               |  | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|---------------------------|--|--|
| Checked scarf             | colour   |  |
|                           | Materials shall be 65% polyester and 35% cellulose.  | Specify  |
|                           | Shall be triangular in shape   | Specify  |
|                           | Dimensions shall be 1000mm base by 450mm height  | Specify  |
| 4.4.8(viii) Pill hat      | Shall be white in colour   | Specify  |
|                           | Materials shall be 65% polyester and 35% cellulose.  | Specify  |
|                           | Design as per sailors hat  | Provide drawing  |
| 4.4.8(ix) Half apron      | Shall be white in colour   |  |
|                           | Materials shall be 65% polyester and 35% cellulose.  |  |
|                           | Shall be waist type covers below the knee  | Provide dimensions   |
|                           | Shall have one front pocket  | Provide dimensions   |
|                           | Two extra-long tie straps  | Specify  |
| 4.4.9.1                   | The set shall comprise of: one waist coat, one trouser, two shirts, one bow-tie and one ceremonial shirt (African Attire). | Specify  |
| 4.4.9.1(i) Waist Coat     | The coat shall be blue pantone 288C or pantone black C as specified  | Specify  |
|                           | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                           | Main material shall be used for front and for back   | Specify  |
|                           | Shall have a full inner lining of 100 % viscose  | Specify  |
|                           | Coat shall be sleeveless with no collar  | Specify  |
|                           | Shall have five front buttons equally spaced   | Specify  |
|                           | Shall have two front lower pockets each with pantone yellow 7406C band   | Specify  |
|                           | Give appropriate pocket dimensions   | Specify  |
|                           | Front with two side seams  | Specify  |
|                           | Back with one central seam   | Specify  |
|                           | Back and front enjoined by two side seams  | Specify  |
|                           | KPLC logo to be embroidered on center left chest area in reflective yellow colour  | Specify  |
| 4.4.9.1(ii) Men's trouser | Dimensions of KPLC logo  | Specify  |
|                           | The colour shall be Pantone Blue 288C  | Specify  |
|                           | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|                           | Straight in design   | Specify  |
|                           | With front/hip pockets   | Specify  |
|                           | One right back pocket with button  | Specify  |
|                           | Two front gathers on each side   | Specify  |
|                           | Six belt loops   | Specify  |
|                           | Zipper fly with stainless steel metallic hook and button   | Specify  |
|                           | Fly with matching blue thread stitching  | Specify  |
| Pockets width and depth   | Specify  |  |
| Style of front/hip pocket | Specify  |  |

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| REQUIREMENT   |  | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|---|--|--|
|   | Back pocket inserted in garment through slash in shell fabric  | Specify  |
|   | Shield lining and fork lining made from main fabric  | Specify  |
|   | Knee lining and pocket bags made of viscose  | Specify  |
| 4.4.9.1(iii)<br>shirt   | The colour shall be Pantone blue 657C or white   | Specify  |
|   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|   | Long sleeved with cuffs  | Specify  |
|   | Collar type  | Specify  |
|   | One left chest pocket with a flap enclosed with a small button   | Specify  |
|   | Shirt with front placket with 7 buttons  | Specify  |
|   | KPLC logo to be embroidered on center left chest area above pocket   | Specify  |
|   | Dimensions of KPLC logo  | Specify  |
| 4.4.9.1(iv)<br>Bow-tie  | The bow-tie shall be pantone black C in colour   | Specify  |
|   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
| 4.4.9.1(v)<br>Ceremonial shirt  | Shall be a mix of colours, design and logo   | Specify  |
|   | Shall be as per approved design  | Specify  |
|   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
| 4.4.9.2   | The waitress set shall comprise of: one waist coat, one trouser or skirt, two blouses, one scarf and one ceremonial blouse | Specify  |
| 4.4.9.2(i)<br>Waist coat  | The coat shall be blue pantone 288C or pantone black C as specified  | Specify  |
|   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|   | Main material shall be used for front and for back   | Specify  |
|   | Shall have a full inner lining of 100 % viscose  | Specify  |
|   | Coat shall be sleeveless with no collar  | Specify  |
|   | Shall have five front buttons equally spaced   | Specify  |
|   | Shall have two front lower pockets each with pantone yellow 7406C band   | Specify  |
|   | Give appropriate pocket dimensions   | Specify  |
|   | Front with two side seams  | Specify  |
|   | Back with one central seam   | Specify  |
|   | Back and front enjoined by two side seams  | Specify  |
| KPLC logo to be embroidered on center left chest area in reflective yellow colour | Specify  |  |
| 4.4.9.2(ii)<br>Ladies trouser   | Dimensions of KPLC logo  | Specify  |
|   | The colour shall be Pantone Blue 288C  | Specify  |
|   | Main material used shall be 65% polyester and 35% cellulose  | Specify  |
|   | Straight in design   | Specify  |
|   | Two hip pockets  | Specify  |
|   | Pockets width and depth  | Specify  |
| Five belt loops   | Specify  |  |

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| <b>REQUIREMENT</b>  | <b>BIDDER'S OFFER<br/>(indicate full details of<br/>offered item)</b> |
|---|---|
| One dart on each side both at back and front  | Specify   |
| Waist band, elasticized on both sides on request  | Specify   |
| Zipper fly with one button and matching blue thread stitching                                       | Specify   |
| Shield lining and fork lining made from main fabric   | Specify   |
| Pocket bags made of viscose   | Specify   |
| 4.4.9.2 (iii) skirt   | Specify   |
| The colour shall be Pantone blue 288C   | Specify   |
| Main material used shall be 65% polyester and 35% cellulose   | Specify   |
| Waist band, elasticized on both sides on request  | Specify   |
| Four belt loops   | Specify   |
| One dart on each side at both front and back  | Specify   |
| Overlapping slit at the back  | Specify   |
| Zipper at center back with one button   | Specify   |
| ¾ length inner lining viscose   | Specify   |
| 4.4.9.2(iv) blouse  | Specify   |
| The colour shall be Pantone blue 657C or white  | Specify   |
| Main material used shall be 65% polyester and 35% cellulose   | Specify   |
| ¾ sleeved   | Specify   |
| Collar type   | Specify   |
| Front buttons   | Specify   |
| One chest pocket on left  | Specify   |
| KPLC logo to be embroidered on left chest area above pocket   | Specify   |
| Dimensions of KPLC logo   | Specify   |
| 4.4.9.2(v) scarf  | Specify   |
| Scarf colours   | Specify   |
| Tie material to be 100% polyester   | Specify   |
| 4.4.9.2(vi) Ceremonial blouse   | Specify   |
| Shall be a mix of colours, design and logo  | Specify   |
| Shall be as per approved design   | Specify   |
| Main material used shall be 65% polyester and 35% cellulose   | Specify   |
| 4.4.10  | Specify   |
| The receptionist set shall comprise: one coat, one skirt or one trouser, two blouses and one scarf. | Specify   |
| 4.4.10(i) Coat  | Specify   |
| The coat shall be Pantone blue 288C in colour   | Specify   |
| Main material used shall be 65% polyester and 35% cellulose   | Specify   |
| Lining material shall be 100% viscose   | Specify   |
| Shall be two button design with lining padded in shoulder areas                                     | Specify   |
| Reinforced collar   | Specify   |
| One inside pocket on the left   | Specify dimensions  |
| Two waist pockets with flaps and band in pantone yellow 7406C colour on outside                     | Specify dimensions  |
| Pockets non patched   | Specify   |
| Each sleeve with two buttons equally spaced   | Specify   |
| KPLC logo to be embroidered on center left chest area   | Specify   |

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| REQUIREMENT                   |   | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|-------------------------------|---|--|
|                               | Dimensions of KPLC logo   | Specify  |
| 4.4.10(ii)<br>Blouse          | The colour shall be pantone yellow 603C or white  | Specify  |
|                               | Main material used shall be 65% polyester and 35% cellulose   | Specify  |
|                               | ¾ sleeved   | Specify  |
|                               | Collar type   | Specify  |
|                               | Front buttons   | Specify  |
|                               | One chest pocket on left  | Specify  |
|                               | KPLC logo to be embroidered on left chest area above pocket   | Specify  |
|                               | Dimensions of KPLC logo   | Specify  |
| 4.4.10(iii)<br>Trousers       | The colour shall be Pantone Blue 288C   | Specify  |
|                               | Main material used shall be 65% polyester and 35% cellulose   | Specify  |
|                               | Straight in design  | Specify  |
|                               | Two hip pockets   | Specify  |
|                               | Pockets width and depth   | Specify  |
|                               | Five belt loops   | Specify  |
|                               | One dart on each side both at back and front  | Specify  |
|                               | Waist band, elasticized on both sides on request  | Specify  |
|                               | Zipper fly with one button and matching blue thread stitching   | Specify  |
|                               | Shield lining and fork lining made from main fabric   | Specify  |
| 4.4.10(iv)<br>skirt           | Pocket bags made of viscose   | Specify  |
|                               | The colour shall be Pantone blue 288C   | Specify  |
|                               | Main material used shall be 65% polyester and 35% cellulose   | Specify  |
|                               | Waist band, elasticized on both sides on user request   | Specify  |
|                               | Four belt loops   | Specify  |
|                               | One dart on each side at both front and back  | Specify  |
|                               | Overlapping slit at the back  | Specify  |
|                               | Zipper at center back with one button   | Specify  |
| ¾ length inner lining viscose | Specify   |  |
| 4.4.10(v)<br>scarf            | Scarf colours   | Specify  |
|                               | Tie material to be 100% polyester   | Specify  |
| 4.4.11                        | The uniform set for cashiers shall have same components and be in accordance with clause 4.4.10 and approved design/sample. | Specify  |
| 4.5                           | Quality Management System   | Provide  |
|                               | Quality Assurance Plan  | Provide  |
|                               | Copy of ISO 9001:2008 Certificate   | Provide  |
|                               | Manufacturer's experience   | Provide  |
|                               | Manufacturing Capacity (units per month)  | Provide  |
|                               | List of previous customers  | Provide  |
|                               | Customer reference letters  | Provide  |
| 5.1                           | Test standards and responsibility of carrying out tests   | Provide  |
| 5.2                           | Copies of Type Test Reports submitted with tender   | Provide  |

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| REQUIREMENT |   | BIDDER'S OFFER<br><i>(indicate full details of offered item)</i> |
|-------------|---|--|
| 5.3         | Acceptance tests to be witnessed by KPLC at factory before shipment           | Provide  |
| 5.4         | Test reports to be submitted by supplier to KPLC for approval before shipment | Provide  |
| 5.5         | Replacement of rejected measured uniforms                                     | Provide  |
| 6.1         | Markings  | Provide  |
| 6.2         | Packing   | Provide  |
| 7.1         | Documents submitted with tender   | Provide  |
| 7.2         | Documents to be submitted by supplier to KPLC for approval before manufacture | Provide  |
| 8.0         | Statement of compliance to specification                                      | Provide  |

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

.....  
**Manufacturer's Name, Signature, Stamp and Date**

**ANNEX B: Uniforms Designs for various items (to be provided by HR&A, Kenya Power, for every tender)**

**Customer Service – Women Uniforms**

**NOTE:**

- 1) Bidders shall give full details and the offered values of the items on order as per Annex A. The details provided shall conform to the test reports and their certificates as required by clause 5.2., well labeled drawings complete with dimensions, catalogues or brochures for the purpose of tender evaluation.
- 2) Bidders who shall have not complied by this requirement in bullet 1 shall be automatically disqualified from bidding this item.

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CUSTOMER SERVICE UNIFORMS

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4. Drivers ladies



5. cashiers



CUSTOMER SERVICE FEMALE JACKETS

**General Shirts and Blouses**

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GENERAL SHIRTS & BLOUSES

**Drivers Blazers and Trousers**

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**18. Drivers suit**



**19. Exec Drivers (no logo) 20. Cashiers**



**Neck Ties**

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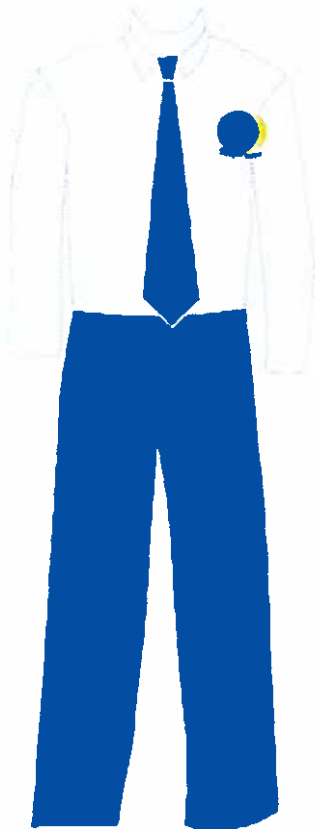
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**NECK TIES**

21.



22.



23.



**DRIVER - UNIFORM**

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**Tea Girls Uniform**

**24.**



**25.**



**26. Tea girls (opt 2)**



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**Tea Girls Uniform**

**27. Tea girls(opt1)**



**28.**



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# Kaunda Suits

**32.**



**33. Kaunda Suit**



**34.**



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## Executive Driver Coats

35.



36.



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# Sweaters

## SWEATERS ARTISANS & CRAFTSMEN

37.



38.



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**Chef Jacket**

39.



40. Pill hat



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# Kenya Power c-shirt

41.



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# T-shirts



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## Pilot shirt

46.



47.



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**48. Golf T-shirt & Cap 49. White T-shirt & Cap 50. Yellow T-shirt & Cap**



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