**Section II: Schedule of Requirements**

E-Sourcing reference: ITB / 2017 / 1128

1. **Summary of Requirements**

UNOPS requirements are comprised of the following lots:

Lot 1. Body armour

Lot 2. Equipment bag

Lot 3. Fire and heat retardant balaclava

Lot 4. Safety boots

Lot 5. Protective Helmet with a belt holder and a transport bag

Lot 6. Base layer trouser and base layer t-shirt, fire resistant

Lot 7. Protective Uniform Gloves, Special Police Tactics

Lot 8. Uniform Jacket and Uniform Trousers

1. **Technical specifications for Goods and Comparative Data Table**

**Lot № 1 Body armour (quantity – 420 PCS)**

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| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **1.1.** | **General information** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.1.1. | The protective gear is intended for police officers taking part in special police tactics (SPT).  SPT are used, e.g. at larger demonstrations, sporting events and the like.  The body armour protects the wearer's upper and lower body against blunt violence. In this requirement specification, blunt violence is defined as kicks, punches, hits with sticks and iron tubes and objects that are launched, e.g. stones and bottles. Body armour is worn under the uniform designed for SPT.  SPT deployments take place during all months of the year and in all weather conditions. The protective gear may be used during an extended period of time, i.e. for more than eight (8) hours. Due to this, high standards are required. As a whole and in all its parts the protective gear must be of ergonomic design as well as being comfortable to wear in order for the user of the equipment to be efficient and persistent during his/her duty. |  |  |
| 1.1.2. | Body armours should provide as much shock absorption as possible. The body armour should have the largest possible protective areas with a minimum negative impact on the ergonomy. Police officers wearing the protective garment should be able to run, fire a gun, drive a car and the like without limited mobility to any larger extent. |  |  |
| 1.1.3. | The body armour should be easy to take on and off and fit very well. |  |  |
| 1.1.4. | Bidder should be able to deliver body armour for both men and women in the requested amounts. |  |  |
| **1.2.** | **Body armour** |  |  |
| 1.2.1. | The body armour protects the wearer's most exposed parts against blunt violence. It is used together with a light protective vest under an inflammable SPT uniform. All parts of the body armour should protect against blunt violence. |  |  |
| 1.2.2. | Upper body armour |  |  |
| 1.2.2.1. | The upper body armour should protect shoulders, collarbone, outside part of the upper arm, elbows, outside part of the forearm, chest and back providing protection to the largest possible zones. The distance between the separate protective parts should be as small as possible. |  |  |
| 1.2.2.2. | The parts of the upper body armour must be possible to join with fasteners or equivalent. The upper body armour must be of ergonomic design and follow body movements. |  |  |
| 1.2.3. | Thigh protectors |  |  |
| 1.2.3.1. | Thigh protectors should be made for the right and the left thigh, respectively, and protect as much as possible the front and the outside of the thigh. |  |  |
| 1.2.3.2. | The thigh protectors must be possible to fasten around the thigh and should have as little negative impact as possible on the freedom of movement. |  |  |
| 1.2.4. | Leg protectors |  |  |
| 1.2.4.1. | The leg protectors should protect knee, shin and ankle. This protection should be joined as a unit. |  |  |
| 1.2.4.2. | The leg protectors should protect the front and outside of the knees, front and outside of the shins and also the ankles and the upper part of the front of the feet to the highest possible extent. |  |  |
| 1.2.4.3. | The leg protectors must be adjustable and possible to fasten at the intended place on the wearer's leg. |  |  |
| 1.2.5. | Jockstrap |  |  |
| 1.2.5.1. | The jockstrap should be made of shock absorbing materials and protect the wearer from blunt violence against the genital area. |  |  |
| 1.2.5.2. | The jockstrap should fit snugly to the body and be securely fastened in the intended place. The wearer should be able to adjust the jockstrap as desired. |  |  |
| 1.2.5.3. | Bidder should be able to deliver jockstraps for men and women in the requested amounts. |  |  |
| 1.2.6. | Sizes. |  |  |
| 1.2.6.1. | The order is planned to be issued for the sizes listed below:   |  |  | | --- | --- | | **Size** | **N of PCS** | | S | 25 | | M | 134 | | L | 110 | | XL | 76 | | XXL | 51 | | XXXL | 22 | | XXXXL | 2 | | Total | 420 |   The amounts necessary for men and women and detailed list of sizes will be provided after testing of the samples.  The size dimensions must be compliant with the table below:   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Size** | **S** | **M** | **L** | **XL** | **XXL** | **XXXL** | **XXXXL** | | **Height, cm** | 164-168 | 171-174 | 177-180 | 183-186 | 189-192 | 192-197 | 196-198 | | **Chest girth, cm** | 80-88 | 92-96 | 100-104 | 108-112 | 116-120 | 120-122 | 120-122 | | **Waist circumference, cm** | 74-76 | 80-84 | 88-92 | 96-102 | 108-114 | 114-116 | 116-118 | | **Hip girth, cm** | 94-96 | 100-104 | 108-112 | 116-120 | 122-124 | 124-126 | 126-128 | | **Sleeve length, cm** | 60-61 | 62-63 | 64-65 | 66-67 | 68-69 | 69-70 | 70-72 | | **Trousers’ length, cm** | 94-96 | 100-102 | 104-106 | 108-110 | 112-114 | 114-116 | 116-118 | |  |  |
| 1.2.7. | Protection requirements |  |  |
| 1.2.7.1. | All protective parts of the equipment must be tested and approved for blunt violence with kicks and tolerate an impact of at least 20 joules as specified in any of the following test standards:   * Teknische Richtlinie Körperschutzausstattungen, Stand: November 2009 * VPAM, KDIW 2004, Prüfrichlinie” Stich- und Schlagschutz” * HOSDB, Blunt Trauma Protector Standard for UK Police (2007) * NIJ 0115 Level 2 Anti-Stab   The bidder must provide a certificate from any of the test institutes above evidencing that the protectors comply with the requirements concerning blunt violence. |  |  |
| **1.3.** | **Product requirements** |  |  |
| 1.3.1. | The materials in the equipment must not contain any allergens and environmentally damaging substances. |  |  |
| 1.3.2. | All parts of the protective equipment must be easy to keep clean and be made of waterproof and wear resistant material.  The bidder should provide instructions on the handling, washing and maintenance/service etc. of the protective equipment. The instructions should be enclosed with each set of body armour equipment in the form of manual/booklet in English and Ukrainian languages. |  |  |
| **1.4.** | **Samples provided by the bidder** |  |  |
| 1.4.1. | The submissions should be accompanied with the quality certificate, certificate of origin and/or other document containing specification of the materials including warranty data. |  |  |
| 1.4.2. | Products should be of high quality, well-tailored, without lose threads and well-packaged as well as adapted to the police organisation. All products should be equal to the samples sent by the bidder before financial evaluation. |  |  |
| 1.4.3. | Bidders that will pass technical evaluation should provide 2 sample sets of the product in following sizes (one set for each size): M, L. |  |  |
| 1.4.4. | The protective equipment should be packaged in matching transport bags made of waterproof and wear resistant material. |  |  |
| **1.5.** | **Marking** |  |  |
| 1.5.1. | Inside hip and leg protectors there should be a marking showing on which side of the body to use it, right and left. |  |  |
| 1.5.2. | All parts of the protective equipment should be marked with the year and month of manufacture. |  |  |
| 1.5.3. | The final design of all marking will be made in collaboration between the UNOPS and the bidder. |  |  |
| **1.6.** | **Manufacture** |  |  |
| 1.6.1. | The bidder and the UNOPS should have continuous development cooperation on product improvement. |  |  |
| 1.6.2. | The bidder should specify in the tender the location where the protective equipment will be manufactured. The UNOPS will have the possibility to inspect the manufacturing sites, concerning, i.e. working conditions and production conditions of the leading bidder prior to signing the contract. |  |  |
| 1.6.3. | UNOPS should be offered the possibility to visit manufacturing facility before starting the production. This also applies when changes in the production are made or the production site/factory changes. |  |  |
| 1.6.4. | The sample must be approved by the UNOPS prior to initiating the production of the equipment. |  |  |
| 1.6.5. | Bidder should be able to ensure manufacturing control and the subsequent delivery control of the goods to assist the UNOPS. |  |  |
| **1.7.** | **Evaluation of tender samples** |  |  |
| 1.7.1. | The samples of the technically compliant bids UNOPS considers compliant with the requirements of this call for tender will be submitted to field tests and verifications. |  |  |
| 1.7.2. | UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice. |  |  |

**Lot № 2 Equipment Bag (quantity – 420 PCS)**

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| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **2.1.** | **General requirements**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **2.1.1.** | The equipment bag should be designed to carry the body armor and the rest of the kit (uniform, underwear etc.). Colour – Pantone Tonal Eclipse 19-4010 TCX (19-4010 TPG) or Carbon 19-4012 TCX (19-4012 TPG).  The dimensions of the bag should be: 45 cm high x 40 cm wide x 90 cm long. |  |  |
| **2.1.2.** | It must be possible to both carry the bag in your hand or as a backpack. |  |  |
| **2.2.** | **Functional requirements** |  |  |
| 2.2.1. | When carrying handles, it must be possible to pull the straps for the backpack carrying so tight that they do not hang loose. |  |  |
| 2.2.2. | The bags must endure outdoor environments when exposed to weather and wind. The requirements imply that it must be possible to use the bags outdoors without leaking in rain water or in some other way be damaged. |  |  |
| 2.2.3. | It must be possible to store the bags outdoors during at least one work shift of twelve (12) hours without water penetration inside the bag. Bags must be made of waterproof and wear resistant material. Bidder should submit information on the test method, who carried out the test and the test result together with tender documents. Suggested test method: ISO 10776:2012 or equivalent. |  |  |
| 2.2.4. | The zip must be concealed under a fly with one end sewn to the body of the bag and the other end fastened with Velcro tape. |  |  |
| 2.2.5. | The pulling device of the zip must be large model no less than 2x2 cm. |  |  |
| 2.2.6. | It must be possible to stack the bags on top of each other, both with contents or as empty bags. |  |  |
| 2.2.7. | The shoulder straps must have a width of at least five (5) cm on the part of the strap touching the shoulder. |  |  |
| 2.2.8. | The bag must have one (1) large outer pocket with a zip. In the outer side of the long side must be a pocket. The pocket must be covered. Depth 10 cm (+-2cm).  There must also be two (2) smaller pockets on the outside with a zip. The measurements of the small pockets must not be below 10 cm x 16 cm. Depth 5 cm (+-2cm). All pockets must be covered. |  |  |
| 2.2.9. | The bag must have a larger and a smaller inner pocket. 10 cm x 16 cm x 5 cm. The pockets must not be below these measurements. These pockets must not be covered. |  |  |
| 2.2.10. | It must be possible to open the bags from the top along their entire length and width. |  |  |
| 2.2.11. | On the inside of the lock there must be at least three (3) smaller pockets. The size of the pockets must not be below 10 cm x 16 cm x 5 cm. It is not necessary to be able to close the pockets with a zip and they do not have to be covered. |  |  |
| **2.3.** | **Technical requirements** |  |  |
| 2.3.1. | The bags must endure a weight of at least 15 kg.  The bidder must submit documentation demonstrating the test method, who performed the test and the result of the test. |  |  |
| 2.3.2. | It must be possible to wash the bags in a washing machine without changing the shape of the bags or that they will be discoloured or in other ways depart from the requirements according to this specification.  A change of size of a maximum +- 2cm is acceptable on the first wash. On the following washes, the size must be constant.  The bidder must present documentation showing that the offered products have been tested and that the offered products meet the requirement of this point. |  |  |
| **2.4.** | **Service**. Repair kit with additional fabric must accompany each bag so that it is easy for the user to repair smaller holes. Additional fabric should be of the same quality and the same color as used in the original bag. |  |  |
| **2.5.** | **Other documentation** |  |  |
| 2.5.1. | The bidder must present quality certificate, certificate of origin and/or other documentation showing the content of the material/materials used in the bag. |  |  |
| 2.5.2. | The fabric of the bag must be of such quality that they meet the requirements of the Martindale method or similar tests for quantifying the abrasion resistance of textiles.  The bidder must present documentation showing to what/which test method reference is made. |  |  |
| **2.6.** | **Performance test.** The bidders that will pass technical evaluation should provide one sample for testing.The bag will be tested by UNOPS under normal activities in order to verify that the bag meets the performance requirements and the technical requirements. UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice.  Supplied products should be of the equal quality with the samples. |  |  |

**Lot № 3 Fire and heat retardant balaclava (quantity – 420 PCS)**

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| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **3.1.** | **General requirements**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **3.1.1.** | **Background.** The Balaclava is to be used by police units performing public order policing functions, working with crowds in connection to mass events such as demonstrations and sports events.  The garments are to be used in varying weather conditions in Ukraine (outside temperature from -20 C in winter to +35 C in summer).  The balaclava is intended to be used beneath a protective helmet. |  |  |
| **3.2.** | **General** |  |  |
| 3.2.1. | Aim. The primary aim of the balaclava is to protect against fire, heat and arc flashes.  Secondly, it must offer some protection against light projectiles. Thirdly, it must offer some protection against the cold and wind. |  |  |
| 3.2.2. | General requirements. The balaclava must be comfortable, have a good fit, and be as lightweight as possible. It must be possible to wear the balaclava during longer periods of service (>8 hours), without experiencing the balaclava as uncomfortable.  The balaclava must be able to cover the whole head, apart from the eyes. |  |  |
| **3.3.** | **Specifics** |  |  |
| 3.3.1. | Main material. Previously used material has been well received by users; kanecaron (approx. 59%), cotton (approx. 27%), viloft (approx. 12%), antistatic carbon (approx. 2%). The offered material should be of similar quality. |  |  |
| 3.3.2. | Standards. The balaclava should comply with the following standards:   * EN 1149-3 Antistatic * EN 11612 A1 B1 C1 Heat and Flame retardant * IEC 61482-1-2 Arc Flash protective |  |  |
| 3.3.2.1. | The flame retardant properties are to endure as long as the fibre/fabric exists regardless of cycles of washing, wearing or mechanical abrasion. |  |  |
| 3.3.2.2. | It is the responsibility of the bidder to prove that these standards are met. |  |  |
| 3.3.3. | Target value weight. The maximum target value weight of the balaclava is 250g/m2. |  |  |
| 3.3.4. | Washable. The balaclava must be washable in approx. 60 degrees Celsius, without the balaclava losing quality or changing dimension more than +/-5%. |  |  |
| 3.3.5. | Sizes. The balaclavas are expected to fit all head sizes, either as a one-size-fits-all or by providing two or more different sizes of balaclavas.  Balaclavas should fits head sizes from 50 cm to 62 cm. The order is planned to be issued for the sizes listed below.   |  |  | | --- | --- | | **Size, cm** | **N of PCS** | | 50 | 2 | | 54 | 19 | | 55 | 20 | | 56 | 207 | | 57 | 53 | | 58 | 93 | | 59 | 14 | | 60 | 10 | | 62 | 2 | | Total | 420 | |  |  |
| 3.4. | **Test** |  |  |
| 3.4.1. | UNOPS is going to test balaclavas considered to fulfil the demands of this request for tender under relevant work-related circumstances in order to evaluate the product. |  |  |
| 3.4.2. | Bidders that will pass technical evaluation and will be selected to participate in the test, will be asked to submit two (2) balaclavas for trials. |  |  |
| 3.4.2.1. | Should the balaclavas come in more sizes than one, then one (1) balaclava should be of a smaller size, and one (1) of a larger size. Supplied products should be of the equal quality with the samples. |  |  |
| 3.4.3. | UNOPS will not compensate the bidder any damage or wear and tear during these trials. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice. |  |  |

**Lot № 4 Safety Boots (quantity – 420 PCS)**

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| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **4.1.** | **General**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **4.1.1.** | **Criteria.** In this procurement, the UNOPS mainly seeks footwear for policemen within the special police tactics (SPT).  SPT is one of the working methods used by the police at special events and to deal with crowd troubles. |  |  |
| **4.2.** | **Standard.** Safety boots must be in accordance with the standards EN 20345. |  |  |
| **4.3.** | **Supply capacity.** |  |  |
| 4.3.1. | Quality assurance. Bidders and producers must follow a quality management system.  The producer/manufacturer of the products should be certified according to EN ISO 9001, the certificate must be added to the application in order to validate that the work is carried out in accordance with a quality management system. |  |  |
| 4.3.2. | Tender samples. The bidder must show that he/she is in possession of the required technical ability and capacity to deliver the goods for the tender by sending samples of the goods the bidder is offering the UNOPS.  During the tender evaluation, the UNOPS will perform field tests which means that the tender samples may become damaged. UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The UNOPS will not be responsible for the costs of samples.  The bidders that will pass technical evaluation should provide as samples two (2) pairs of safety boots of the following sizes: 43, 44.  The tender samples must be packed pair-wise and marked with the size. Each pair must contain 5 pairs of socks (adapted to optimise the functions of the boot). The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice.  The field test will be carried out with the socks submitted by the bidder together with the tender samples. Supplied products should be of the equal quality with the samples. |  |  |
| **4.4.** | **Requisites of the item.** |  |  |
| **4.4.1.** | **The safety boots required in this tender should be adapted for use with the police uniform.** |  |  |
| 4.4.1.1. | The safety boots must be black, colourfast and without any visible brand names when the boot is worn. |  |  |
| 4.4.1.2. | Shoe laces, if any, must be black. |  |  |
| 4.4.1.3. | The sole must be predominantly black, a grey may be accepted. |  |  |
| 4.4.1.4. | The boots must be made of leather, must be full grain and without any gashes or scratch marks. |  |  |
| 4.4.1.5. | The inner sole must be replaceable (detachable) as well as washable. |  |  |
| 4.4.1.6. | Metal parts, if any, must be stainless, nickel-free and black, dark grey or oxide. |  |  |
| 4.4.1.7. | The boots must not contain any chemicals/substances forbidden in the EU, or more than the approved limited values. Bidder should provide sanitary certificate or equivalent document (certificate) presenting the materials used in the product. |  |  |
| **4.4.2.** | **Requisites of the safety boot and the” half-knee boot”** |  |  |
| 4.4.2.1. | The boots must conform to the requirements set out in EN 20345 - personal protective equipment - protective footwear.  Classification 1 Basic requirements  A Antistatic footwear  E Energy absorbing heels  FO Oil resistant sole  SRA Patterned soles  P Nail resistant sole  As proof, the bidder must submit the certificate stating compliance with the requirements together with the tender. |  |  |
| 4.4.2.2. | The nail resistant sole must be of other material than metal. |  |  |
| 4.4.2.3. | Toecap should not be magnetic. |  |  |
| **4.4.3.** | **Sizes.** The order is planned to be issued for the sizes listed below. Detailed table of sizes for the order will be provided after testing of samples.   |  |  | | --- | --- | | **Size** | **N of PCS** | | 39 | 1 | | 40 | 2 | | 41 | 15 | | 42 | 61 | | 42,5 | 35 | | 43 | 86 | | 44 | 125 | | 45 | 63 | | 46 | 20 | | 47 | 10 | | 48 | 1 | | 49 | 1 | | Total | 420 |   The size dimensions must be compliant with ISO/TS 19407:2015. |  |  |
| **4.4.4.** | **Socks, accessories and documentation** |  |  |
| 4.4.4.1. | Two pairs of socks should be included with each pair of boots. Socks should be adapted to optimise the boot's functions and favour a good climate for the foot. |  |  |
| 4.4.4.2. | A "shoe care kit" containing e.g. shoe cream, brush, wax or the like should accompany each pair. |  |  |
| 4.4.4.3. | With each pair of boots and footwear information/documentation should be included about the product's care (in order to optimise the care of the product). The documentation must be available in English and Ukrainian. |  |  |

**Lot № 5 Protective Helmet with a belt holder and a transport bag (quantity – 420 PCS)**

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| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| 5.1. | **General requirements**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.1.1. | This helmet is intended to be a protective helmet for the police. It will be used during police operations to maintain public order when individuals are disturbing the public peace. This helmet must protect officers from falling objects and thrown objects. It must resist general wear and tear and of being subjected to hitting, falling and stabbing and it must be very durable. This helmet must protect the officer from fire and chemicals. |  |  |
| 5.1.2. | This helmet must be delivered with a helmet shell, a visor, detachable head protection, detachable interior fittings, a chin strap, a belt holder and a transport bag. The weight of this helmet must be as low as possible and be very comfortable to use, even for long periods of time. |  |  |
| 5.1.3. | This helmet must fulfil the requirements of the last edition of  PSDB 21/04 Protective Headwear Standard for UK Police (2004), with the exception of:   * 3.10 *Compatibility with Respirators* * 3:11 *Weight* * 11 *Helmet retention strength test*   Bidder should provide test report from accredited test institute or equivalent with the tender documents. |  |  |
| 5.1.4. | The standard model of this helmet must protect the head as much as possible, without any negative influence on its function and comfort. |  |  |
| 5.1.5. | This helmet must be as comfortable as possible and the weight must be as low as possible with a very good fit. The ergonomic design of this helmet must be very good and it must be well ventilated. The adjusting possibilities must be very good and easy to fit for the individual who is wearing this helmet. It must be possible to wear this helmet for long periods of time (more than 4 hours) during different types of operative situations in various climate conditions. This helmet must have the possibility to divert body heat and sweat/perspiration which is necessary both when the officer is subjected to high temperatures and when the officer himself has a high body temperature in connection with physical activities. It must be possible to carry this helmet during a complete work period without any feeling that the helmet is too warm and uncomfortable. |  |  |
| 5.1.6. | When the helmet has been adjusted it must be possible to keep the needed adjustments in a fixed position. When the officer is using the adjusted helmet it must be well balanced and well positioned on the head, e.g. when the body is moving in several different positions and in self-protection situations etc. |  |  |
| 5.1.7. | It must be possible to lock the helmet with a quick-acting lock. When this quick-acting lock is opened or closed it must not affect the fixed adjustments of the helmet. The quick-acting lock must be of a high quality and it must be possible to open and close it with gloves. It must be possible to open this quick-acting lock with one hand when wearing gloves. |  |  |
| 5.1.8. | This helmet must have a chin cup. This chin cup must have a good fit. The parts of the chin cup, which have contact surfaces directly on the skin, must be comfortable. It must not disturb the user even during long continuous use. It must be possible to clean the chin cup with an antibacterial soap, according to the supplier’s instructions. It must be possible to deliver the chin cup (item 2) in a model with larger protective zones/surface than a standard chin cup. |  |  |
| 5.1.9. | Straps (or a corresponding item) to adjust the helmet must be produced of a durable material. The straps (or a corresponding item) must also be comfortable during a direct contact against naked skin. It must not cause any skin reactions or pressure points. |  |  |
| **5.2.** | **Detailed requirements** |  |  |
| 5.2.1. | The chin strap of the helmet must have both a quick-acting lock and also a concealed” security lock with an emergency opening device”, which will open the strap when subjected to a force between 45-70 N. |  |  |
| 5.2.2. | The bidder must be able to deliver this helmet in the standard sizes which include head sizes from 50 cm to 62 cm. |  |  |
| 5.2.3. | The bidder must inform about the size system he/she use for these helmets and head sizes with head measurements for each size, respectively. |  |  |
| 5.2.4. | The weight of the standard size helmets, including the shell, visor, detachable head protection, detachable internal fittings and the chain strap must not exceed 1900 grams. |  |  |
| 5.2.5. | The internal fittings of the helmet, which is in direct contact with the head, must be detachable and possible to clean. The bidder must provide information sheet with the instructions on what cleaning method and cleaning material to use when cleaning the internal fittings. Information sheet must be available in English and Ukrainian. |  |  |
| 5.2.6. | Between the material which protects the head and the hard helmet shell, there must be a sealing which protects the officer so that any fluids do not penetrate into the area around the collar. The collar protection must protrude at least 11 cm from the helmet (measured in the central part) when fitted. It must not be possible to fold up the neck cover so that the neck cover will be positioned against the shell of the helmet when fitting it on the intended place on the helmet. The accepted bidder and the UNOPS must cooperate to shape the neck cover in the best possible way. |  |  |
| 5.2.7. | The neck cover must be in a good position when fitted. No quick-acting lock, in the form of a button lock or something similar, should be used when the neck cover is fitted. It must be possible to disassemble the neck cover from the helmet with standard tools such as a screwdriver or similar tools. |  |  |
| 5.2.8. | The colour of the shell of the helmet must be black. The exact nuance of black is decided by the UNOPS in cooperation with the accepted bidder. |  |  |
| 5.2.9. | It must be possible to use the helmet with a visor together with the protective mask used by the police in Ukraine, without any negative impact on the protective characteristics or the comfort. |  |  |
| 5.2.10. | A transport bag must be delivered with the helmet. This transport bag must be produced in a durable, dirt and moisture-repellent material in black colour. This transport bag must be well ventilated. This transport bag must have a carrying handle and cross body strap for carrying. This transport bag must have a transparent pocket for a marking label, approx. size (90 mm wide and 55 mm high). |  |  |
| 5.2.11. | There must not be any allergy-inducing substances neither in the helmet nor in the included details or any other type of substances which can cause an allergic reaction. |  |  |
| 5.2.12. | Bidder should provide sanitary certificate or equivalent document (certificate) presenting the materials used in the helmet and helmet bag together with tender documents. |  |  |
| 5.2.13. | The helmet and all accompanying details must be produced from non-corrosive material. |  |  |
| 5.2.14. | One belt holder must be delivered with the helmet. This holder must be adapted for carrying the helmet in the belt used by the police in Ukraine. This belt holder must be a high-quality product to be able to be used frequently in the climate conditions in Ukraine. It must be possible to secure and remove the helmet easily from the belt holder. |  |  |
| **5.3.** | **Other Information** |  |  |
| 5.3.1. | Bidding documents must include the information regarding the size of the protective surface and the weight of the helmet, which fits head sizes from 50 cm to 62 cm. The order is planned to be issued for the sizes listed below. Detailed table of sizes for the order will be provided after testing of samples.   |  |  | | --- | --- | | **Size, cm** | **N of PCS** | | 50 | 2 | | 54 | 19 | | 55 | 20 | | 56 | 207 | | 57 | 53 | | 58 | 93 | | 59 | 14 | | 60 | 10 | | 62 | 2 | | Total | 420 | |  |  |
| 5.3.2. | The accepted bidder must produce instructions for the helmets regarding how to handle the helmets and also instructions for maintenance and service. These instructions must be enclosed to each helmet in the form of a manual in English and Ukrainian. |  |  |
| 5.4. | Testing. Bidders that will pass the technical evaluation should submit one sample of the helmet of the size 56 cm for testing. UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice. Supplied products should be of the equal quality with the samples. |  |  |

**Lot № 6 Base layer trouser and base layer t-shirt, fire resistant (quantity – 420 PCS)**

|  |  |  |  |
| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **6.1.** | **General**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **6.1.1.** | **Description.** The requested base layer sets are standard supplies without specific marking for the police. Base layer sets with fire resistant properties are to be used by police staff, trained in special police tactics. The base layer sets must function as a moisture absorbent first layer (layer 1) according the multi-layer principle. |  |  |
| 6.1.1.1. | The base layer t-shirt must have a round rib knit collar and long sleeves with cuffs.  The base layer trouser must have long legs with cuffs and a seamless crotch (no fly). |  |  |
| **6.1.2.** | **Material requirements.** |  |  |
| **6.1.2.1.** | **General material requirements** |  |  |
| 6.1.2.1.1. | There must be no presence of antibacterial substances, formaldehyde or aromatic amines in the garments. Product must comply with REACH EC No. 1907/2006 and applicable parallel laws. |  |  |
| 6.1.2.1.2. | Alternative material compositions and constructions may be accepted provided that the finished material complies with the requirements. |  |  |
| 6.1.2.1.3. | All materials of the garments must be washable at 60° Celsius while maintaining quality and shape. |  |  |
| 6.1.2.1.4. | From experience, wool (17-23 micrometres) has proven to be well-functioning. If the properties of the wool, such as heat resistance, warming even when wet, moisture absorption and insulation can be achieved with other fibre mixtures, these may be accepted. |  |  |
| 6.1.2.1.5. | If base layer sets with net stitching or other not smooth materials are offered, visible details such as cuffs and V-opening at the front under the neckline must be of a smooth and non-transparent material. Wear surfaces between thighs and arm/breast must be of a smooth material not causing friction.   |  |  |  | | --- | --- | --- | | **Test method** | **Material properties** | **Requirements** | | ISO 6330, programme 2A, 60 grades Celsius | Dimensional change | Max. +/- 5% | | SS-ISO 16322-3 | Torsion | Max. 6% | | SS-EN ISO 105-C06 | Resistance to domestic and commercial laundering | Colour fastness/change in colour min. 4 | | SS-EN ISO 105-E04 | Colour fastness to perspiration | Min. 4 | | SS-EN ISO 105-X12 | Colour fastness to rubbing | Dry min. 4  Wet min. 3-4 | |  |  |
| **6.1.2.2.** | **Layer 1.**   |  |  |  | | --- | --- | --- | | Moisture transporting layers, light insulating mainly to keep the skin dry and warm. Preferably wool with elements synthetic fibres | | | | **Test method** | **Material properties** | **Requirements** | | SS-EN 12127 | Mass weight per unit area - guide value | 100-170 g/m2 | |  |  |
| **6.1.2.3.** | **Fire resistant and anti-static properties, layer 1.**   |  |  |  | | --- | --- | --- | | Fire resistant base layer set. A fire resistant base layer set, appropriate to wear under a flame resistant and anti-static uniform is requested. The characteristics must be permanent and not influenced by laundering or use. | | | | **Test method** | **Material properties** | **Requirements** | | ISO 11612 | Clothing to protect against heat and flame. | A2, B1, C1 | | EN 1149-5 | Electrostatic properties | ≤2.5 x 109Ω | |  |  |
| **6.1.3.** | **Marking.** Care labels must be of a smooth material, without sharp edges and perfectly legible throughout the entire lifetime of the garment. |  |  |
| **6.1.4.** | **Sizing.** The order is planned to be issued for the sizes listed below. Detailed table of sizes for the order will be provided after testing of samples.   |  |  | | --- | --- | | **Size** | **N of PCS** | | S | 25 | | M | 134 | | L | 110 | | XL | 76 | | XXL | 51 | | XXXL | 22 | | XXXXL | 2 | | Total | 420 |   The size dimensions must be compliant with the table below:   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Size** | **S** | **M** | **L** | **XL** | **XXL** | **XXXL** | **XXXXL** | | **Height, cm** | 164-168 | 171-174 | 177-180 | 183-186 | 189-192 | 192-197 | 196-198 | | **Chest girth, cm** | 80-88 | 92-96 | 100-104 | 108-112 | 116-120 | 120-122 | 120-122 | | **Waist circumference, cm** | 74-76 | 80-84 | 88-92 | 96-102 | 108-114 | 114-116 | 116-118 | | **Hip girth, cm** | 94-96 | 100-104 | 108-112 | 116-120 | 122-124 | 124-126 | 126-128 | | **Sleeve length, cm** | 60-61 | 62-63 | 64-65 | 66-67 | 68-69 | 69-70 | 70-72 | | **Trousers’ length, cm** | 94-96 | 100-102 | 104-106 | 108-110 | 112-114 | 114-116 | 116-118 | |  |  |
| **6.1.5.** | **Testing.** Bidders that will pass technical evaluation should submit two samples of base layer trouser and base layer t-shirt of the sizes M and L for testing. UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice. Supplied products should be of the equal quality with the samples. |  |  |

**Lot № 7 Protective Uniform Gloves, Special Police Tactics (quantity – 420 PCS)**

|  |  |  |  |
| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **7.1.** | **General**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **7.1.1.** | **Description.** These gloves are for the use of police officers and civilians employed within the police organization. Gloves are part of the special police tactics (Public Order and Crowd Management) uniform, which is supplied to police officers trained in these tactics and who will wear this uniform in their professional work. |  |  |
| **7.1.2.** | **Product requirements.** |  |  |
| 7.1.2.1. | General requirements, all materials   |  |  |  | | --- | --- | --- | | **Test method** | **Material properties** | **Requirements** | | Qualitative | Formaldehyde | max 75 ppm/kg | | Qualitative | Aromatic amins (24) | None detected |   **Other material may be accepted, conditional to satisfying the requirements and comfort of the finished product.** |  |  |
| 7.1.2.2. | **Main material.** Nappa leather, black, full grain, no faults, dyed all the way through, not glossy.   |  |  |  | | --- | --- | --- | | **Test method** | **Material properties** | **Requirements** | | EN ISO 2589 | Determination of thickness (leather) | min 0,5 mm | | EN 388, 6.3  (EN ISO 3377-1) | Determination of tear strength | min 20 N | | EN 14340 | Determining repellence of leather to surface wetting | min class 4 | | EN ISO 11640 | Determination of colour fastness to cycles of to-and fro rubbing. GRAIN Dry 150 rubs / Wet 50 rubs | Colour change min class 4-5  Staining min class 3-4 | | EN ISO 11641 | Determination of colour fastness to perspiration.  BACK  Dry 150 rubs / Wet 50 rubs | Colour change min class 4-5  Staining min class 3 | | ISO 4920 | Determination of resistance to surface wetting (spray test) of fabrics | Rating min 4 | | EN ISO 4045 | Determination of pH value | 3,5-8 | | EN 420, B 6.1 (EN ISO 17075) | Determination of Hexavalent chromium (VI) | 0,3 mg/kg |   **Other material may be used provided it comprises with other demands and is as comfortable and as flame retardant and has electrostatic properties as leather.** |  |  |
| 7.1.2.3. | **Lining, cut protection.** Protective lining with high comfort, the protection may not be a hinder for mobility. Colour: black (if dyed materials is used the requirements for colour fastness below applies).   |  |  |  | | --- | --- | --- | | **Test method** | **Material properties** | **Requirements** | | EN 388 | Protection gloves against mechanical risks | min level 2\* |   \* Report from a laboratory, independent and accredited to perform test methods required.   |  |  |  | | --- | --- | --- | | **Test method** | **Material properties** | **Requirements** | | EN ISO 5077 | Determination of dimensional change in washing and drying | Length/width max +3% | | EN ISO 105-C06 | Tests for colour fastness. Colour fastness to domestic and commercial laundering, program A2S. | Degeneration/bleeding min class 4 | | EN ISO 105-X12 | Tests for colour fastness. Colour fastness to rubbing. | Min class 4 | |  |  |
| 7.1.2.4. | Elastic strip.  Black elastane spun in textured filament of polyester or polyamide, part polyester. Elasticity target value 150%. Colour: black.   |  |  | | --- | --- | | **Placement** | **Width, min mm** | | Wrist, under | 50 | |  |  |
| 7.1.2.5. | Shock absorber, thickness: min 5 mm. |  |  |
| 7.1.2.6. | Reinforcement fabric should be used to improve grip and increase protection in the palm. |  |  |
| 7.1.2.7. | Sewing thread should to correspond with the main material. |  |  |
| 7.1.2.8. | Sizes. Sizes of existing products are presented in the measurement table, it is mandatory to have gloves that fits the whole size range but it is not vital to have the exact measurements in the glove as long as gloves and mittens fits the hands described in the measurement table.  The order is planned to be issued for the sizes listed below. Detailed table of sizes for the order will be provided after testing of samples.   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Size** | **7** | **7⅟₂** | **8** | **8⅟₂** | **9** | **10** | **11** | **12** | | **N** | **3** | **33** | **41** | **44** | **74** | **102** | **86** | **37** | |  |  |
| **7.1.3.** | **Manufacturing.** When manufacturing gloves of leather, the leather is to be elastic in width and stabile in length.  Lining is to be attached to the glove in every fingertip, in the wrist lining is to be attached inside the hem.  Pairing. Each glove in pair of gloves should correspond each other in leather quality (thickness, stability, grain, luster, colour etc). |  |  |
| **7.1.4.** | **Packing.** Pairs are to be kept together with a thread or similar if nothing else is specified in the instructions. Each pair are to be packed in a plastic bag. |  |  |
| **7.1.5.** | **Measurement table.** The size dimensions must be compliant with table below   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Measurement, cm** | **6½** | **7** | **7½** | **8** | **8½** | **9** | **10** | **11** | **12** | | **Length** | 23,5 | 23 | 24,5 | 24 | 24,5 | 25 | 26 | 27 | 28 | | **Elastic back** | 5,3 | 5,1 | 5,7 | 5,3 | 5,3 | 5,5 | 5,7 | 5,9 | 6,1 | | **Elastic palm** | 4,0 | 3,1 | 4,4 | 3,3 | 3,3 | 3,5 | 3,7 | 3,9 | 4,1 | | **½ width back** | 8,8 | 9,5 | 10,1 | 10,8 | 11,5 | 12,1 | 13,5 | 14,8 | 16,2 | | **½ width at elastic** | 7 | 8,5 | 8 | 9 | 9 | 9,5 | 10 | 10,5 | 11 | | **½ width at top** | 9,5 | 10,8 | 10,5 | 11,5 | 11,85 | 12,2 | 12,9 | 13,6 | 14,3 | | **Tumb** | 10,9 | 11,5 | 11,3 | 11,9 | 12,1 | 12,3 | 12,7 | 13,1 | 13,5 | | **Fingerlength, index** | 6,8 | 7,4 | 7,2 | 7,7 | 7,7 | 8 | 8,3 | 8,6 | 8,9 | | **Fingerlength, middle** | 7,8 | 8,3 | 8,2 | 8,6 | 8,6 | 8,9 | 9,2 | 9,5 | 9,8 | | **Fingerlength, ring** | 7 | 7,9 | 7,4 | 8,2 | 8,2 | 8,5 | 8,8 | 9,1 | 9,4 | | **Fingerlength, little** | 5,3 | 5,9 | 5,7 | 6,2 | 6,2 | 6,5 | 6,8 | 7,1 | 7,4 |   Detailed list of sizes for order will be provided after testing of the samples. |  |  |
| **7.1.6.** | **Testing.** Bidders that will pass technical evaluation should submit 2 samples of the sizes 10 and 11 for testing. UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice. Supplied products should be of the equal quality with the samples. |  |  |

**Lot № 8 Uniform Jacket and Uniform Trousers (quantity – 420 PCS)**

|  |  |  |  |
| --- | --- | --- | --- |
| № | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| **8.1.** | **General**  ***Note****: The picture is only intended as an example.* | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **8.1.1.** | **Description.** These garments are to be used in varying weather conditions, as a flame retardant top layer protection. |  |  |
| **8.1.1.1.** | **Police Uniform Jacket, Special Police Tactics.**  Colour – Pantone Tonal Eclipse 19-4010 TCX (19-4010 TPG) or Carbon 19-4012 TCX (19-4012 TPG).   * Collar, adjustable width * Monophone holders with underlying openings for cables * Loop fasteners on chest, on right chest a tunnel under the fastener * Front closing with zipper and inside placket * Chest pockets with zippers * Sleeve pockets on upper part of sleeves * Elbow pockets for protectors on lower part of sleeves * Ventilation under sleeves, two-way zippers, open end by the wrist * Sleeve hem, adjustable * Bottom hem with elastic drawstring * Zipper pullers, with ring and webbing * Centre back, soft loop fasteners * Shoulder straps * Sleeve emblems to be applied on loop fastener |  |  |
| **8.1.1.2.** | **Police Uniform Trousers, Special Police Tactics.**   * Colour – Pantone Tonal Eclipse 19-4010 TCX (19-4010 TPG) or Carbon 19-4012 TCX (19-4012 TPG). * Elastic webbing in waist * Straps for belt, inner straps for braces * Fly has two-way zipper, two open ends. The trouser has from fly to bottom hem zippers for opening the trouser legs when wearing it, for adjusting protectors, WC visits etc. two-way zipper, two open ends. * Hip pockets are closed with zippers, zipper pullers are to point down when closed. * Thigh pockets, “loose” pockets mounted on the trouser, rear belg, pocket flaps, the pockets have opening under the pockets for applying protective mask pouch. Upper zippers are to point back when closed, lower zippers are to point back when closed. * On the inside of the trouser under the thigh pocket, thigh protector pockets are mounted. * Knee pad pockets have opening on the inside of the trousers. * Shin pockets for first aid kit. * Bottom hem is reinforced, adjustable, has zipper opening, zipper puller down when closed. * Bottom hem in center front, reverse has a boot-strap for connecting boots and trousers. * Zipper pullers, with ring and webbing (unless anything else is specified). |  |  |
| **8.1.2.** | **Technical requirements.** |  |  |
| **8.1.2.1.** | **General technical requirements.** Equipment for police officers are often heavy. Materials used in police uniforms are to be as lightweight as possible, minimum requirements of performance must always be fulfilled. |  |  |
| 8.1.2.1.1. | Environmental:   * The garments and manufacturing process shall in all parts comply to REACH\* EC No. 1907/2006 or other applicable laws.   Chemicals registered in the SVHC\*\* candidate list shall not be used in manufacturing process or be present in the garments in concentrations exceeding the stated limit values.   * The garments and the manufacturing processes shall in all parts comply to POPs\*\*\* EC No. 850/2004 Regulation or other applicable laws. * Aromatic organic solvents shall not be present in the garments. * Formaldehyde contents in the garments shall not exceed 75 mg/kg (75 ppm) * Antibacterial substance such as Silver, Triclosan, Permethrin shall not be present in the garments. * Biocidal agents such as antibacterial, antifungal and insecticide agents shall not be present in the garments. |  |  |
| 8.1.2.1.2. | Colour fastness, the test methods applicable for fabrics are specified, for other materials the colour fastness is to correspond to the requirements for the main material. |  |  |
| 8.1.2.1.3. | Washing. The washing properties of all components are to correspond with the main material, unless otherwise specified. |  |  |
| 8.1.2.1.4. | Flame retardancy. The flame retardancy properties of all exposed components are to correspond with the main material, unless otherwise specified. |  |  |
| **8.1.2.2.** | **Main material composition and construction, any.**  Previously used material (approx. Utexbel 6957, 53% meta aramid, approx. 41% Viscose FR, approx. 5% para aramid, approx. 1% antistatic, weight 180 g/m2) has been well received by users. The offered material should be of similar quality. Visual appearance of a “plain” surface or rip stop.  The flame retardant properties may not be a result of additives to the fabric. Flame retardant properties is to endure as long as the fibre/fabric exists regardless cycles of washing or mechanical abrasion. |  |  |
| **8.1.2.3.** | **Reinforcement material (pocket)**  Reinforcement under leg pocket. Composition and construction, any.  Previously used material (Concordia Courier, 100% PA 6,6, 334 g/m2) or equivalent.   |  |  |  | | --- | --- | --- | | **Test method** |  | **Requirements** | | EN 121 27 | Determination of mass per unit are using small samples | c. 300 g/m2 | | EN 530 | Abrasion resistance of protective clothing material. Method 2 with sand-paper class F2, grid  100, 12 kPa load | Min 10 000 cycles | | ISO 13934-1 | Determination of maximum force and elongation at maximum  force using the strip  method | Warp/weft min 2000 N | |  |  |
| **8.1.2.4.** | **Reinforcement material (knee).** Previously used material (Schoeller, Fabric No. 15615, Works, composition 48% AR (Kermel), 26% AR (Technora), 24% PU, 2% CF (Nega-Stat) has been very well received. The offered material should be of similar quality regarding antistatic, abrasion resistance, breaking strength, water repellence and colour resistance. |  |  |
| **8.1.2.5.** | **Interlining (fusing) for details.** Now-woven, adhesive performance matching base material in function and care. |  |  |
| **8.1.2.6.** | **Sewing thread.** Core spun, smooth, flawless with properties that correspond to the main material, pull strength min 18 N. |  |  |
| **8.1.2.7.** | **Zipper.** Moulded, polyoxymethylene (POM), unless otherwise specified. Zipper puller, webbing attached to the slider with a minimum 10 mm Ø ring, unless other is specified.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Type of zipper and measurements** | | Pcs | Width | Length | Type | | **Jacket** | |  | mm | mm |  | | Front | | 1 | 8 | Stretching the whole front of the jacket | Two-way, separating | | Chest pocket | | 2 | 5-6 | 200 | Closed end | | Side, seam/sleeve opening, closed at wrist | | 2 | 5-6 | Stretching from the sleeve bottom hem to below the armpit | Two way, one open end | |  | Sleeve pocket | 2 | 5-6 | 180 | Closed end | | **Trousers** | |  |  |  |  | | Leg (from fly to bottom hem), coil zipper | | 2 | 5-6 | Stretching the whole way from fly to bottom hem | Two-way, separating | | Fly (coil zipper) | | 1 | 5-6 | 200 | Two-way, separating | | Leg pocket, lower | | 2 | 5-6 | 170 | Closed end | |  |  |
| **8.1.2.8.** | **Hook and Loop Fastener.** Hook- (hard) and loop (soft) fastener, with woven selvedge, in black colour. Melt cut.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Test method** | |  | | **Requirements** | | | EN 12242 | | Determination of peel strength | | Min 1.3 N/cm2 | | | EN 13780 | | Determination of longitudinal shear strength | | Min 8 N/cm2 | | | **Estimated quantity needed** | |  | **mm** | **Length, mm** | | | **Pieces** | **Width** | **Hooks** | **Loops** | | **Jacket** | Back, outer measurement  200x200 mm | 4 | 30 | --- |  | | Shoulder straps | 2 | 30 |  | | | Breast emblem, UA Police | 1 |  | | | Drawstring catcher, front | 2 |  | | | Strap, sleeve hem | 2 |  | | | Monophone  holder | 1 | 10 |  | | | Frontplacket, full length | 1 |  | | | Frontplacket, fold in | 2 |  | | | Top of sleeve |  | 50 |  | | | Sleeve emblem | 2 | --- | Order from UA Police | | | **Trousers** | Waist/fly | 1 | 50 |  | | | Draw-strap, hem | 2 | 30 |  | | | Leg pockets, thigh | 2 |  | | | Leg pockets, shin | 2 |  | | | Baton-loops | 2 |  | | |  |  |
| **8.1.2.9.** | **Elastic webbing, for waist.**  Woven, black. Threads on felastan core with texturized polyester filament spun around the core. Elasticity c. 150%. Washable in approx. 90 degrees Celsius. Firm and stabile. Melt cut. Target value weight approx. 4900 g/100 m. Width 50 mm. |  |  |
| **8.1.2.10.** | **Webbing, double weave.**  Black colour, 100% polyester. Melt cut, mounted flat, firmly attached. Weight (approx.): 10 mm c. 8 kg/1000 m, 20 mm c. 11 kg/1000 m. If nothing else is specified. Consumption according to technical instructions.    Webbing and ring should be attached for all zipper pullers. |  |  |
| **8.1.2.11.** | **Press button (snap fastener).** Oxidized brass, embossed cap, approx.15 mm, ring spring with hard tension. Wasa article 201 or similar. 1 pcs, jacket, center front bottom. |  |  |
| **8.1.2.12.** | **Eyelet.** Approx.6 mm inner-Ø, corrosion free metal, with turn over ring and reinforced by an O-ring (rubber/PU or similar) when applying the eyelet, 2 pcs/jacket. |  |  |
| **8.1.2.13.** | **Drawstrings, elastic cord.**  Ø 3 mm, core elastan filament with texturized polyester filament spunt around the core. Washable in 90 degrees Celsius. Melt cut. In the same colour as the garment, or black, for hem of jacket. |  |  |
| **8.1.2.14.** | **Cord stopper.** For adjusting drawstring. Plastic, 2 pcs, the same colour as the garment. |  |  |
| **8.1.2.15.** | **Cap for cord ends.** Black, plastic, shaped like a cone. Drawstring is to end with a knot, the end after the knot shall be turned with the end to the inside of the cone (no loose ends). The same colour as the garment, 2 pcs. |  |  |
| **8.1.2.16.** | **D-ring.** Moulded, polyoxymethylene (POM). In the same colour as the garment. Inner Ø approx.20 mm. |  |  |
| **8.1.2.17.** | **Emblems.** According to the Ukrainian Police. There should be 1 breast Velcro lock for emblem and 2 sleeve Velcro locks for emblems on the jacket (art. 8.1.2.8 of this schedule of requirements.). Size of the emblems will be provided after technical evaluation, design of the emblems will be decided and provided by the UNOPS. |  |  |
| **8.1.2.18.** | **Labels.** Labels should be sewed to the uniform inside. They should be made of soft material, have soft edges and should be fully readable through their life-span. There should be 3 labels. One main label (sewed below the collar) should contain the following information: inscription “Property of the Police”, article number and size of the uniform. Two smaller labels – one inside the left chest pocket and other inside the hip pocket – must contain the information about the supplier (company name, trace number of order), material of the uniform and care instruction. |  |  |
| **8.1.3.** | **Manufacturing.**  Stitches and details on the various garments are to correspond to each other in visual appearance and workmanship to enhance the uniformity of the garments.  All seams are to be locked in both ends.  Seam allowance may not be cut during sewing, fringy edges are to be trimmed.  Thread tension must be checked continuously and correctly adjusted when needed.  Needles shall be flawless and must be checked continuously and replaced when needed. |  |  |
| 8.1.3.1. | **Stitches.**   * At least 3-thread overlock on all open edges. * Button hole, stitch depth 2 mm, stitches to be close together to hem the edge. * Button-sewing: Buttons must be firmly fastened and the thread end must be firmly locked.  |  |  | | --- | --- | | ISO 4915 | Stitch types, Classification and terminology | | ISO 4916 | Stitch types, Classification and terminology | |  |  |
| 8.1.4. | **Sizes.** Uniform Jacket and Uniform Trousersshould be available in all standard sizes from S to XXXL.The order is planned to be issued for the sizes listed below.   |  |  | | --- | --- | | **Size** | **N of PCS** | | S | 25 | | M | 134 | | L | 110 | | XL | 76 | | XXL | 51 | | XXXL | 22 | | XXXXL | 2 | | Total | 420 |   The size dimensions must be compliant with the table below:   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Size** | **S** | **M** | **L** | **XL** | **XXL** | **XXXL** | **XXXXL** | | **Height, cm** | 164-168 | 171-174 | 177-180 | 183-186 | 189-192 | 192-197 | 196-198 | | **Chest girth, cm** | 80-88 | 92-96 | 100-104 | 108-112 | 116-120 | 120-122 | 120-122 | | **Waist circumference, cm** | 74-76 | 80-84 | 88-92 | 96-102 | 108-114 | 114-116 | 116-118 | | **Hip girth, cm** | 94-96 | 100-104 | 108-112 | 116-120 | 122-124 | 124-126 | 126-128 | | **Sleeve length, cm** | 60-61 | 62-63 | 64-65 | 66-67 | 68-69 | 69-70 | 70-72 | | **Trouser's length, cm** | 94-96 | 100-102 | 104-106 | 108-110 | 112-114 | 114-116 | 116-118 | |  |  |
| 8.1.5. | **Testing.** Bidders that will pass technical evaluation should submit 3 samples of the sizes S, M and L for testing. There should be 1 breast Velcro lock for the emblem and 2 sleeve Velcro locks for the emblems on the jacket (art. 8.1.2.8 of this schedule of requirements.). UNOPS is not responsible for damages and/or wear and tear caused by field tests and other tests during the tendering period. The samples will be available for pick up by the bidders at their own cost after the completion of the evaluation, testing and award process. The bidders should notify the UNOPS about their intention to pick up the samples a week before sending the courier, identifying date and time they want to pick up samples at UNOPS office by a written notice. Supplied products should be of the equal quality with the samples. |  |  |

1. **Delivery requirements and Comparative Data Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **UNOPS Requirements** | | **Is bid compliant?** Bidder to complete | **Details**  Bidder to complete |
| **Delivery time** | Bidder shall deliver the goods within **3 month** after Contract signature. | Yes  No | Insert details |
| **Delivery place and Incoterms rules** | DAP – Kyiv - Ukraine | Yes  No | Insert details |
| **Consignee details** | National Police of Ukraine Service Center (store house), Svyatoshinska Str. 27, Kyiv, Ukraine | Yes  No | Insert details |
| **UNOPS Right to vary requirements** | At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed + 20%, without any change in the unit prices or other terms and conditions of the ITB. | Yes  No | Insert details |
| **Catalogues** | Bidder must submit the brand for the requested items and have to attach the official catalogues. | Yes  No | Insert details |
|  |  |  |  |

1. **Inspections and tests**

The following inspections and tests shall be performed:

The vendor must have the goods inspected in the manufacturer’s works by a competent authority and submit a test certificate and a guarantee/warranty certificate that the goods conform to written specifications.