**TECHNICAL SPECIFICATIONS**

**FOR PRICE QUOTATION**

**1. Name of the beneficiary: Mayoralty of Ungheni municipality**

**2. Organizer of the procurement procedure: UNDP Moldova**

**3. Object of procurement** - **Development of 10 playgrounds in Ungheni municipality**

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| --- | --- | --- | --- | --- |
| No | Symbol of the norm and resource code | Name of works | Unit of measurement | Volume |

| 1 | 2 | 3 | 4 | 5 |
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|  |  | **1. Land development works** | | |
|  |  | **1.1. Land development works** | | |
| 1 | TsA03B | Manual excavation of land in confined spaces, having under 1.00 m in width, made without support, with sloping embankment foundations, channels, etc., non-cohesive or slightly cohesive, consistent soil, up to 0.75 m deep, middle ground | m3 | 54.000 |
| 2 | TsC03B1 | Mechanic digging with excavator of 0,40-0,70 m3, with internal combustion engine and hydraulic command, in grounds with natural humidity, and unloading on the field storage of cat. II | 100 m3 | 6.000 |
| 3 | TsC35B1 | Loading, at loading distances in vehicle with front loader on tracks of 0,5-0,99 m.c, soil from ground of category II at a distance < 10 m | 100 m3 | 6.540 |
| 4 | TsI51A5 | Transportation of soil with the dumper of 10 t at a distance of 5 km | t | 1 046,500 |
| 5 | TsC54B | Crushed stone foundation layer under kerbs h=10 cm | m3 | 18.000 |
| 6 | DE11A | Small, prefabricated concrete kerbs with a 10x15 cm cross-section, for framing green spaces, sidewalks, alleys, etc., laid on a 10x20 cm concrete foundation (sidewalk vibropressed kerbs 1000\*250\*80) | m | 600.000 |
| 7 | TsC54C | River gravel foundation layer h= 15 cm | m3 | 300.000 |
| 8 | TsH05B | Uniform spread of the vegetal ground layer, on horizontal areas or fields with a slope of 20%, preserving the structure, in layers of 15 cm thickness | m2 | 600.000 |
|  |  | **1.2. Equipment installation works** | | |
| 9 | TsA03B | Manual excavation of land in confined spaces, having under 1.00 m in width, made without support, with sloping embankment foundations, channels, etc., non-cohesive or slightly cohesive, consistent soil, up to 0.75 m deep, middle ground | m3 | 45.000 |
| 10 | TsC35B1 | Transport for excavation with frontal loader, for loading distances in motor vehicle with frontal loader on tracks of 0.5 to 0.99 m3, soil form land field of category II, at distances < 10 m | 100 m3 | 0.450 |
| 11 | TsI51A5 | Transportation of soil with the dumper of 10 t at a distance of 5 km | t | 72.000 |
| 12 | CA03E2 | Concrete poured in foundations, plinths, retaining walls, walls below ground level, prepared with a concrete mixer on site and poured by conventional means, reinforced concrete class C 20/16 (Bc 20/B 250) | m3 | 45.000 |
| 13 | CL18A | Various metal structures made of laminated profiles, sheet metal, corrugated sheet metal, concrete steel, pipes for supports or coverings, partially embedded in concrete (installation of playground and fitness elements - WORKMANSHIP ONLY) - material of metallic construction = 0 | kg | 15 500,000 |
|  |  | **2. Equipment (playing elements, fitness elements)** | | |
|  |  | **2.1. Playing elements** | | |
| 14 | market price | Two-seats metal rocker, consisting of rubber shock absorber, multi-layer HDPE seats and spacers, metal handles. Material: HDPE- high density polyethylene without toxic components with multilayer structure in various colours, metal pipes coated with powder paint, all connections covered with vandal-proof caps. Dimensions: Length: min 2200 mm, max 2210 mm; Width: min 290 mm, max 300 mm; Height: min 800 mm, max 830 mm. Maximum weight of a user: 55 kg Maximum number of users per equipment: 2 people. | pcs | 10.000 |
| 15 | market price | Carousel with 5 seats. Materials: HDPE – high-density polyethylene without toxic components with multilayer structure in various colours, moisture resistant, coated with powder paint metal pipes and plastic caps for all threaded connections. Recommended age between 3 and 14 years. Simultaneous use by a maximum of 5 children. Maximum weight of a user: 55 kg. Dimensions: Diameter: min 1600 mm, max 1700 mm; Height: min 750 mm, max 850 mm | pcs | 10.000 |
| 16 | market price | Sandbox: made of HDPE- high density polyethylene without toxic components with multilayer structure in various colours, all connections covered with vandal-proof caps. Recommended age 1+ . Simultaneous use for 4 children. Dimensions: Length: min 1200 mm, max 1400 mm, Width: min 1200 mm, max 1400 mm, Height: min 300 mm, max 400 mm. | pcs | 10.000 |
| 17 | market price | Playhouse made HDPE- high density polyethylene without toxic components with multilayer structure in various colours, metal pipes coated with powder paint, all connections covered with vandal-proof caps. Functional parts of the house: X-O game, 2 abseil lines. Recommended age 1+ . Simultaneous use by maximum 3 children. Dimensions: Length: min 1400 mm, max 1500 mm; Width: min 1200 mm, max 1300 mm; Height: min 1500 mm, max 1650 mm. | pcs | 10.000 |
| 18 | market price | Table with chairs chamomile shaped. Materials: HDPE - high density polyethylene without toxic components with multilayer structure in various colours, metal pillars coated with powder paint, all connections covered with vandal-proof caps. Simultaneous use for maximum 5 children. Maximum weight of a user: 55 kg. Dimensions: Diameter: min 1200 mm, max 1400 mm; Table height: min 500 mm, max 600 mm; Chair height: min 300 mm, max 350 mm. | pcs | 10.000 |
| 19 | market price | Spider web. Materials: metal coated with powder paint, perimeter-fixed and hardened strap. Recommended age 6+. Simultaneous use for maximum 2 children. Maximum weight of a user: 55 kg. Dimensions: Length: min 1200 mm, max 1400 mm, Width: min 80 mm, max 90 mm, Height: min 2000 mm, max 2200 mm. | pcs | 10.000 |
| 20 | market price | Chalkboard. Materials: moisture-resistant plywood, processed and painted, metal brackets coated with powder paint, connections covered with vandal-proof caps. Recommended age between 3 and 6 years. Dimensions: Length: min 700 mm, max 800 mm, Width: min 200 mm, max 300 mm, Height: min 1400 mm, max 1500 mm. | pcs | 10.000 |
| 21 | market price | Double cradle, consisting of 2 load-bearing metal supports, a horizontal metal bar with fastening devices for 2 suspensions. Materials: metal pipes covered with powder paint and all connections covered with vandal-proof caps. Recommended age 1+ . Simultaneous use by maximum 2 children. Maximum weight of a user: 55 kg. Dimensions: Length: min 3400 mm, max 3600 mm; Width: min 1600 mm, max 1800 mm; Height: min 2000 mm, max 2200 mm. | pcs | 10.000 |
| 22 | 4 | Rocking chair 5-12 years, Materials: HDPE with multilayer structure in various colours - high density polyethylene without toxic components, metal housing coated with powder paint, galvanized chains, all connections covered with vandal-proof caps. Recommended age 5+ . Simultaneous use for 1 child. Maximum weight of a user: 55 kg. Dimensions: Length: min 400 mm, max 500 mm, Width: min 200 mm, max 250 mm, Height: min 150 mm, max 180 mm. | pcs | 10.000 |
| 23 | 3 | Rocking chair 3-5 years, Materials: Materials: Suspension bracket with backrest made of HDPE - high-density polyethylene without toxic components with multilayer structure in various colours, metal frame and galvanized chains coated in powder paint, all connections covered with vandal-proof caps. Recommended age 3+ . Simultaneous use for 1 child. Maximum weight of a user: 55 kg. Dimensions: Length: min 400 mm, max 500 mm, Width: min 400 mm, max 450 mm, Height: min 350 mm, max 400 mm. | pcs | 10.000 |
| 24 | market price | Playground complex consisting of a tower with roof, straight slide (H= min 1.5 m, max 1.70 m), ladder, ‘Fireman ladder’ type climbers, ‘Porthole’ board, sandbox, ‘Clock’ board with HDPE decorative elements. Material: HDPE- high density polyethylene without toxic components with multilayer structure in various colours, metal pipes coated with powder paint, LLDPE (recycled plastic pellets) by rotomoulding technology, all connections covered with vandal-proof caps. Recommended age between 3 and 14 years. Simultaneous use by a maximum of 5 children. Maximum weight of a user: 55 kg. Dimensions: Length: min 4700 mm, max 5000 mm; Width: min 1500 mm, max 1700 mm; Height: min 3400 mm, max 3600 mm. | pcs | 10.000 |
|  |  | **2.2. Fitness elements** | | |
| 25 | 15 | Fitness equipment bycycle. Materials: LLDPE (recycled plastic granules) by rotomoulding technology, durable plastic handles, metal pipes coated with powder paint, all connections covered with vandal-proof caps. Recommended age - for adults and adolescents with a height of at least H = 1.4 m. Maximum weight of a user: 99 kg. Dimensions: Length: min 1100 mm, max 1200 mm, Width: min 500 mm, max 600 mm, Height: min 1200 mm, max 1300 mm. | pcs | 10.000 |
| 26 | 14 | Fitness equipment Pendulum-Twister. Materials: LLDPE (recycled plastic granules) by rotomoulding technology, durable plastic handles, metal pipes coated with powder paint, all connections covered with vandal-proof caps. Recommended age - for adults and adolescents with a height of at least H = 1.4 m. Maximum weight of a user: 92 kg. Dimensions: Length: min 1200 mm, max 1300 mm, Width: min 500 mm, max 600 mm, Height: min 1400 mm, max 1500 mm. | pcs | 10.000 |
| 27 | 12 | Fitness equipment Air Walker. Materials: LLDPE (recycled plastic granules) by rotomoulding technology, metal pipes coated with powder paint, all connections covered with vandal-proof caps. Recommended age - for adults and adolescents with a height of at least H = 1.4 m. Maximum weight of a user: 99 kg. Dimensions: Length: min 1000 mm, max 1100 mm; Width: min 500 mm, max 600 mm; Height: min 1400 mm, max 1500 mm. | pcs | 10.000 |
| 28 | 13 | Fitness equipment Double Skier. Materials: LLDPE (recycled plastic granules) by rotomoulding technology, durable plastic handles, metal pipes coated with powder paint, all connections covered with vandal-proof caps. Recommended age - for adults and adolescents with a height of at least H = 1.4 m. Maximum weight of a user: 92 kg. Dimensions: Length: min 1700 mm, max 1800 mm, Width: min 600 mm, max 700 mm, Height: min 1600 mm, max 1700 mm. | pcs | 10.000 |
| 29 | market price | Bench without backrest. Materials: Processed and painted plywood, moisture resistant, metal coated with powder paint, fixing method: concrete in the ground. Dimensions: Length: min 1200 mm, max 1400 mm, Width: min 420 mm, max 500 mm, Height: min 650 mm, max 680 mm. | pcs | 80.000 |
| 30 | market price | Bin, made of metal coated with powder paint. Fixing method: concrete in the ground. Dimensions: Length: min 400 mm, max 500 mm, Width: min 300 mm, max 400 mm, Height: min 650 mm, max 700 mm. | pcs | 60.000 |
| 31 | market price | Information board (instructions for use) made of etalbond, metal supports and coated with powder paint, dimensions: Length: min 1000 mm, max 1200 mm, Width: min 500 mm, max 600 mm | pcs | 10.000 |

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