

ANNEX: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Equipment for SMART education in Edinet municipality. Lot-1 Equipment for smart lab in kindergartens.

Publication reference:

Columns 1-2 should be completed by the contracting authority

Columns 3-4 should be completed by the tenderer

Column 5 is reserved for the evaluation committee

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words 'compliant' or 'yes' are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

General requirements for lot:

1. The offeror has to include in price on job training for the project team regarding operation and maintaining of the proposed equipment
2. The proposed equipment has to be energy efficient
3. The indicated below technical requirements indicate the minimum quality criteria which offerors should propose. The offerors can propose equipment with better or higher parameters.
4. The proposed equipment must be safe for use in the activities of children aged 3-7 years.

1. Item nr	2. Specifications required	3. Quantity	4. Specifications offered	5. Notes, remarks, ref to documentation (Producer, Country of origin)	6. Nota comitetului de evaluare
1.	Notebook min 15'' max. 16'' IPS FHD (1920x1080) Non-glare, AMD Ryzen 7 4700U or better 16Gb RAM at least, SSD 512GB at least, HDMI, Gbit Ethernet, 802.11ax, Bluetooth, at least 1 USB-C port, 2x USB 3.2 or better ports, HD Webcam, Fingerprint,, at least 45Wh Battery, Illuminated Keyboard, max. 1.7kg, incl. Wireless Keyboard & Mouse kit and carry bag + Windows 10 Pro 64Bit Eng + Office Home and Business 2019 Warranty min. 24 months	4 unit.			
2.	Similar to Talking Microscope 2 Modes: Fact Mode and Quiz Mode 20 Slides, each with three four-color photo-quality images, for a total of 60 images 2 Comfortable eyepieces-no need to close one eye! Easy cleanup and storage: slides fit inside microscope Requires 3 AAA batteries (not included) Multilingual audio-4 languages included! 25.65 x 20.57 x 14.22 cm; 680.39 Grams	8 unit.			
3.	Similar to / Smart Train Class (6 trains per set) 32-bit ARM MCU Bluetooth Smart (BLE) 4.2 wireless connectivity 32Mb peripheral flash memory for permanent audio storage Two-way magnetic steering system for reciprocating Programmable electromagnetic wagon connection Over-the-air (OTA) firmware update through the application Compatibility with most wooden train tracks BRIO, IKEA and other brands (track adapters can be purchased separately) programmable sensors 2 color sensors with IR Optical speed sensor	4 sets			

	<p><i>Light and sound</i> top feedback lights: 1 programmable RGB LED and 4 white LEDs Programmable RGB LED front and rear lights 1 red-green battery charging LED Built-in speaker</p> <p><i>Battery</i> Lithium-Polymer battery (350 mAh, 3.7V) working time: 100+ minutes Rechargeable via micro-USB</p> <p>Maximum speed 1 m / sec Dimensions (cm): 9.5 x 4 x 4, Weight (g): 88</p> <p><i>The starter kit includes</i></p> <ul style="list-style-type: none"> • 1 smart train with motor • 1 train wagon • 20 tracks (12 curves, 4 straight, 4 two-way) • 40 programming blocks • Stickers to personalize the train • USB-A to micro-USB charging cable <p>Warranty min. 24 months</p>				
4.	<p>Similar to Education Robot Class Pack 8 indi Robot per set 20 durable, latex-free rubber color tiles 1 student case 15 Beginner's Programming Challenge Cards 1 quick start guide 2 decorative sticker sheets to customize indi 1 charging cable</p> <p><i>Robot Tech Specs</i> Charge time: 1h 40 min Playtime on full charge: > 1h Max top speed: ~1.6 m/s Bluetooth version: Bluetooth Low Energy (BLE) Bluetooth range: 30 ft (10m) indi Robot: 3in (L) x 2.75in (W) x 1.5in (H) Color Tiles: 6in x 6in</p>	4 sets			
5.	<p>Similar to Makeblock mTiny Coding Kit <i>General</i> Distance range-Within 10m (in open areas) Map piece size-196x186mm((special scenario themed piece x 4)186x186mm(ordinary scenario themed piece x 20)</p>	24 unit.			

	<p>Battery time-2.5h <i>Robot</i> Battery-1800mAh Li-Po Input voltage-5V Input current-1.5A Output equipment-encoder motor x 2, 1.5W Hi-Fi speaker, LCD eyes x 2, RGB LED x 8 Sensors:OID sensor, 6-axis motion sensor Transmission-2.4G Hz wireless <i>Tap pen controller</i> Battery-300mAh Li-Po Input voltage-5V Input current-270mA Input current-270mA Transmission-2.4GHz wireless <i>Part list</i> 1×Robot 1×Tap pen controller 36×Code card 24×Themed map piece 1×Story book_EN 1×Golf game card 1×Racing game card 1×Destination card 1×Music card 1×2-in-1 Micro USB cable 3×Character mask 1×Flagpole 8×Flag 1×Quick Start Guide 9 Languages 1×Safety Instruction 9 Languages Warranty min. 12 months</p>				
7.	<p>Telescope Educational Insights similar to is a 360mm refractor telescope, with a 50mm objective lens and all-glass eyepieces, and delivers crisp, clear images at magnifications of 18x, 27x, 45x, 67x. The 50mm 2-element coated all-glass objective lens eliminates colour distortion. This telescope for kids comes with a sturdy, aluminum tripod and is lightweight, easy to mount, and great for travelling. It's ideal for watching wildlife and nature and exploring the night sky. Measures 44cm H.</p>	4 unit.			
8.	<p>Similar to 3 Education Bundle Includes a similar to cutting machine, plus two Learning Kits for paper and vinyl 3 easy steps to start your interactive, in-app lessons5 Cuts 300+ materials, including delicate fabric, paper, matboard, leather & Smart Materials™1</p>	4 unit.			

<p>Compatible with Smart Materials™ for long cuts up to 12 ft (3.6 m) in one go²</p> <p>Works with 13 tools to cut, write, score, foil, engrave, deboss & more (sold separately)³</p> <p>Up to 2X faster than its predecessor⁴</p> <p>Use with the free Cricut Design Space app</p> <p>Bluetooth wireless technology*</p> <p>Built-in docking slot and USB port for charging mobile devices</p> <p>Compatible with Cricut Roll Holder (sold separately) to support rolls of Smart Materials up to 75 ft (22.8 m)²</p> <p>Included</p> <p>Similar to machine</p> <p>Premium Fine-Point Blade + Housing</p> <p>Welcome card</p> <p>USB cable</p> <p>Power adapter</p> <p>Free trial subscription to similar to (for new subscribers) 100 ready-to-make projects online</p> <p>Material for a practice cut</p> <p>Bundled with:</p> <p>Similar to – Removable 4 sheets 13 in x 14 in (33 cm x 35.5 cm) in White, Ocean, Red, Maize Yellow</p> <p>Similar to – Permanent 4 sheets 13 in x 14 in (33 cm x 35.5 cm) in White, Black, Blue, Party Pink</p> <p>Similar to Shimmer – Permanent 2 sheets 13 in x 14 in (33 cm x 35.5 cm) in Gold, Purple</p> <p>Similar to Matte Metallic – Permanent 1 sheet 13 in x 14 in (33 cm x 35.5 cm) in Silver</p> <p>Transfer Tape 8 sheets 12 in x 12 in (30.5 cm x 30.5 cm)</p> <p>StrongGrip Transfer Tape 2 sheets 12 in x 12 in (30.5 cm x 30.5 cm)</p> <p>4 R20 cards 4.25 in x 5.5 in (10.8 cm x 14 cm) in Tulip, Powder Blue, Whispering Blue, Lavender</p> <p>4 4 in x 5.25 in (10.2 cm x 13.3 cm) inserts in Silver Holographic</p> <p>4 4.4 in x 5.75 in (11.1 cm x 14.6 cm) envelopes in White</p> <p>Smart Paper™ Sticker Cardstock 4 sheets 13 in x 13 in (33 cm x 33 cm) in White, Cardinal Red, Yellow, Cornflower</p> <p>Cardstock 10 sheets 12 in x 12 in (30.5 cm x 30.5 cm) in Black, White, Red, Tangerine, True Yellow, Bright Green, Dark Teal, Cornflower, Wild Aster, Light Pink</p>				
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	<p>Spatula to lift cuts from mat 2 Weeder tools to remove tiny cuts Scoring Stylus to create fold lines 2 Scraper tools to remove scraps from mat LightGrip Machine Mat 12 in x 12 in (30.5 cm x 30.5 cm) Card Mat – 2x2 13 in x 16.25 in (33 cm x 41 cm) Fine Point Pen (0.4 mm), Black Glitter Gel Pen (0.8 mm), Silver</p>				
9.	<p>Similar to Start Learning Pack - 12 Pens 1 Teacher's Kit: 1 Teacher's checklist 1 similar to poster 1 Welcome Note 1 Cheatsheet 2 Lesson Plans 1 EDU Booklet 1 Start Activity Guide 1 similar to Guide 2 Unblocking Tools 1 Troubleshooting Guide 4 Students' Kits: 3 similar to Pens 3 Micro-USB Charging Cables 6 DoodleBlocks 3 Start DoodlePads 1 Plastic Kit: 1200 strands of biodegradable 3Doodler Start Plastic Filaments 12 Sets of Challenge Cards - Each set contains nine challenges of varying difficulty 12 Storage Pouches</p>	8 unit.			
10.	<p>Similar to Math Cards 30 PUZZLE SETS : (20) for numbers 0-9; (7) for a sign + - >< =; (1) for number 10+,(1) for image Start,(1) for image end. A numbered piece and an image piece illustrating the corresponding number. 1. Product size: 126*126mm 2. Applicable environment: indoor temperature (please do not put in an open flame or humid environment.) 3. Product weight: 734g</p>	4 unit.			
11.	<p>Interactive Floor with a short-throw projector A „ready-to-go” set in a protective steel case with multiple options for the case color. The average projection size is 126 inch * 71 inch (321*180 cm) from the height of 105 inch (266 cm). The system is controlled by a user-friendly tablet.</p>	4 unit.			

	<p>The set includes: Durable steel case FullHD projector Powerful computer Motion sensor Tablet for control Keyboard with trackpad Software White FOAM mats (option) 24 geometric shapes</p>				
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