

# ***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.	<b>Notebook</b> 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.	<b>Similar to Talking Microscope</b> 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.	<b>Similar to / Smart Train Class ( 6 trains per set)</b> 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  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"> <li>• 1 smart train with motor</li> <li>• 1 train wagon</li> <li>• 20 tracks (12 curves, 4 straight, 4 two-way)</li> <li>• 40 programming blocks</li> <li>• Stickers to personalize the train</li> <li>• USB-A to micro-USB charging cable</li> </ul> <p>Warranty min. 24 months</p>				
4.	<p><b>Similar to Education Robot Class Pack</b>  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: &gt; 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><b>Similar to Makeblock mTiny Coding Kit</b>  <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)  Battery time-2.5h</p>	24 unit.			

	<p><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 eyesx 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><b>Telescope Educational Insights similar to</b>  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><b>Similar to 3 Education Bundle</b>  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 &amp; Smart Materials™1  Compatible with Smart Materials™ for long cuts up to 12 ft (3.6</p>	4 unit.			

m) in one go<sup>2</sup>  
 Works with 13 tools to cut, write, score, foil, engrave, deboss & more (sold separately)<sup>3</sup>  
 Up to 2X faster than its predecessor<sup>4</sup>  
 Use with the free Cricut Design Space app  
 Bluetooth wireless technology\*  
 Built-in docking slot and USB port for charging mobile devices  
 Compatible with Cricut Roll Holder (sold separately) to support rolls of Smart Materials up to 75 ft (22.8 m)<sup>2</sup>  
 Included  
 Similar to machine  
 Premium Fine-Point Blade + Housing  
 Welcome card  
 USB cable  
 Power adapter  
 Free trial subscription to similar to (for new subscribers) 100 ready-to-make projects online  
 Material for a practice cut  
 Bundled with:  
 Similar to – Removable 4 sheets 13 in x 14 in (33 cm x 35.5 cm) in White, Ocean, Red, Maize Yellow  
 Similar to – Permanent 4 sheets 13 in x 14 in (33 cm x 35.5 cm) in White, Black, Blue, Party Pink  
 Similar to Shimmer – Permanent 2 sheets 13 in x 14 in (33 cm x 35.5 cm) in Gold, Purple  
 Similar to Matte Metallic – Permanent 1 sheet 13 in x 14 in (33 cm x 35.5 cm) in Silver  
 Transfer Tape 8 sheets 12 in x 12 in (30.5 cm x 30.5 cm)  
 StrongGrip Transfer Tape 2 sheets 12 in x 12 in (30.5 cm x 30.5 cm)  
 4 R20 cards 4.25 in x 5.5 in (10.8 cm x 14 cm) in Tulip, Powder Blue, Whispering Blue, Lavender  
 4 4 in x 5.25 in (10.2 cm x 13.3 cm) inserts in Silver Holographic  
 4.4 in x 5.75 in (11.1 cm x 14.6 cm) envelopes in White  
 Smart Paper™ Sticker Cardstock 4 sheets 13 in x 13 in (33 cm x 33 cm) in White, Cardinal Red, Yellow, Cornflower  
 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  
 Spatula to lift cuts from mat  
 2 Weeder tools to remove tiny cuts

	<p>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>				
<b>9.</b>	<p><b>Similar to Start Learning Pack - 12 Pens</b>  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.			
<b>10.</b>	<p><b>Interactive Floor with a short-throw projector</b>  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.  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>	4 unit.			