

**Amendment No.1 to the
Request for Bids
Goods
(One-Envelope Bidding Process)**

***Procurement of Technology Equipment for Schools
(Laptops and Projectors)***

Contract/RFB No. GE-MESCS-192159-GO-RFB

Project: Georgia I2Q - Innovation, Inclusion and Quality Project

Project ID: 168481

Loan No. IBRD 89550-GE

The Ministry of Education, Science, Culture and Sport of Georgia

November 12, 2020

Amendment No. to the
REQUEST FOR BIDS
No.: GE-MESCS-192159-GO-RFB

Procurement of Technology Equipment for Schools
(Laptops and Projectors)

Date: November 12, 2020

This amends the Request for Bids issued on October 12, 2020 for the tender DEP 2000000090, RFN No. GE-MESCS-192159-GO-RFB for Procurement of Technology Equipment for Schools (Laptops and Projectors).

In particular, the line item **11. Optical disc reader**, which was mandatory requirement is changed to optional requirement in laptop specifications, Section VII - Schedule of Requirements, 3 – Technical Specifications, Standard Laptop Specifications.

At the same time, the bids submission deadline is extended **for additional 2 weeks** from November 16, 2020 12:00 am local time until **November 30, 2020 12:00 am local time**.

Other conditions of RFN No.: GE-MESCS-192159-GO-RFB remain unchanged.

Therefore, Section VII - Schedule of Requirements, 3 – Technical Specifications is changed as follows:

3. Technical Specifications

The Goods and Related Services shall comply with following Technical Specifications and Standards:

Name	Specification	
Projectors	Technology	DLP
	Resolution (native)	SVGA 800x600
	Screen diagonal size, min-max. (any format)	Approx. 0.75 to 7.5m
	Projector distance (minimum range)	Min – 1.20 m, max – 13.00 m
	Image correction (keystone)	Vertical + / - 40 "
	Interface	HDMI, VGA, USB
	Brightness, not less than	3600 ANSI lumens
	Contrast ratio, not less than	20000:1
	Lamp resource (standard mode)	5000 hours
	Integrated speakers	Yes, at least 2 W
	Noise level (standard mode /economic mode)	lower than 30 dB
	Warranty	3 years for a projector, 1 years for a lamp
	Power supply	100 – 240 V AC \pm 10%, 50/60 Hz
	Manufacturer authorization form MAF	Yes
	Cable	Comes with a 5 meter HDMI cable
	Remote Control	Is in the set
	Must be in the set	The brand has an authorized service center located in Tbilisi

Standard laptop specifications

#	Mandatory requirements	Technical specifications
1	Laptop Name (Brand)	
2	Manufacturing Country	
3	Processor: (Manufacturer, Model)	
4	A number of cores:	Not less than 2 (two)
5	Lithography process	Not more than 14 nm
6	A number of streams	Not less than 4 (four)
7	Cache or L3 Cache	4MB or more
8	Max. clock frequency	Not less than 3.4GHz
9	RAM	4 GB or more, DDR4 2400 MHz or more.
10	Hard disk drive	SSD M.2 PCIe NVMe type, 256GB or more
11	Optical disc reader	Optional
12	Network	10/100/1000 Ethernet Controller
13	Radio network	802.11 AC, Bluetooth
14	Screen	15.6", LED with backlight, 1366x768 resolution or more
15	Graphic adapter	Integrated
16	Sound adapter	Speaker, Stereo headphone/line out, microphone/line in (possibility of combined socket)
17	Interfaces	VGA or HDMI Mandatory, not less than 2 x USB 3.0 ports, 1x RJ-45, 1x power supply socket
18	Card Reader	Optional
19	Webcam	Mandatory
20	Keyboard	Min. 100 keys
21	Operating System	Preinstalled Windows 10 Professional 64 OEM

The offered laptops shall have a 3-year warranty in accordance with the world-recognized terms and conditions of the manufacturer, under which, in case of damage, it will be repaired or replaced with a new one within 10 working days.