

আইসিটি'র মাধ্যমে মাধ্যমিক ও উচ্চ মাধ্যমিক স্তরে শিক্ষার প্রচলন প্রকল্প
(২য় পর্যায়, ১ম সংশোধিত)

Name of School: M A Sattar Adarsha High School

Technical Specification
for
Procurement of IT Equipment for Multimedia Classroom(Package No: G-01)


Item No.	Name of Goods	Detailed Technical Specification and Standards required
01	Desktop Computer	<ol style="list-style-type: none">1. Brand: Internationally reputed brand in leader's quadrant of Gartner Magic Quadrant for Global Enterprise Desktop and Notebook, 2019 or later, to be mentioned by tenderer.2. Model: to be mentioned by the tenderer.3. Country of Origin: To be mentioned by the tenderer.4. Country of Manufacture: To be mentioned by the tenderer.5. Processor: Intel Core i5 or AMD Ryzen 5, Base frequency: 2.60 GHz or higher, L3 Cache: 12 MB or higher.6. Memory: Dual Channel, DDR4, 8 GB or higher.7. Storage: 256 GB SSD (boot drive) + 1 TB SATA HDD.8. Graphics: To be mentioned by tenderer.9. Optical Drive: DVD+/-RW.10. LAN: Gigabit Ethernet.11. Wi-Fi: Dual Band Wireless 802.11 ac or higher.12. Speaker: Internal speaker.13. Ports: (at least) 4 x USB Type-A, 1 x HDMI, 1 x HDMI/VGA/DP, 1 x RJ-45, 1 x headphone/microphone combo jack.14. Security: Trusted Platform Module (TPM) 2.0.15. Operating System: Genuine Windows 10 or 11 with license activation.16. Power Supply Unit: 260 W or less.17. Energy efficiency compliance: ENERGY STAR certified and EPEAT registered.

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		<ol style="list-style-type: none"> 18. Chassis: Original OEM Metal Chassis with OEM Logo Ambushed. 19. Manufactured and Assembled by: OEM assembled, shall have OEM Serial no. 20. Monitor: Same Brand 18.5 Inch or higher. 21. Keyboard: Same Brand USB Keyboard. 22. Mouse: Same Brand USB Optical Mouse. 23. Accessories: CPU Power cord, Monitor Power cord / Adapter, Monitor Display cable (HDMI/VGA). 24. Warranty: 3 Years full Manufacturer's warranty with all spare parts & service. 25. Support Service: Tenderer shall provide a support service contact no.# for the support issues. Support service may be on-site or in service center, arranged by tenderer.
2	UPS	<ol style="list-style-type: none"> 01. Brand: Internationally reputed brand to be mentioned by tenderer. 02. Model: to be mentioned by the tenderer. 03. Country of Origin: To be mentioned by the tenderer. 04. Country of Manufacture: To be mentioned by the tenderer. 05. Capacity: 850VA, 480 W 06. Input Voltage: 160-300VAC 07. Output Voltage: 220 ± 10% 08. Frequency (Battery Mode): 50Hz ± 1Hz 09. Noise Level: Less than 45dB 10. Battery: 1 pc; 12V 9Ah 11. Backup Time: Minimum 30 Minutes (one PC with Monitor) 12. LED Display: YES 13. Fuse: Yes 14. Transfer Rate: 2- 4ms 15. Warranty: 1 Years full Manufacturer's warranty with all spare parts & service. 16. Support Service: Tenderer shall provide a support service contact no.# for the support issues. Support service may be on-site or in service center, arranged by tenderer.
3.	Smart TV	<ol style="list-style-type: none"> 01. Brand: Internationally reputed brand to be mentioned by tenderer 02. Model: to be mentioned by the tenderer.

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		<p>03. Country of Origin: To be mentioned by the tenderer.</p> <p>04. Country of Manufacture: To be mentioned by the tenderer.</p> <p>05. Screen Size:65''</p> <p>06. Type:Crystal Display and HDR</p> <p>07. Resolutions: 3840 x 2160 pixels</p> <p>08. Processor: Crystal Processor 4K</p> <p>09. HDMI: 3</p> <p>10. USB: 2</p> <p>11. Tuner Input: 1</p> <p>12. Wireless Wi-Fi Access: YES</p> <p>13. Ethernet LAN: 1</p> <p>14. Viewing Angle: 178 °</p> <p>15. Resolution: 4K, AAC, MP3, WMA, Screen Mirroring</p> <p>16. Audio Output: 20w</p> <p>17. Power Supply: 200 w</p> <p>18. Application: YouTube: Yes</p> <p>19. Application: Google Play:</p> <p>20. Application: Google Assistant:</p> <p>21. APP Store / Browser: Yes</p> <p>22. Dimension (L*W*H): Set Size with Stand: 1449.4 x 906.6 x 282.1 mm Set Size without Stand: 1449.4 x 830.3 x 59.9 mm</p> <p>23. Weight Weight (without Stand): 20.6 kg Weight (with Stand): 20.9 kg</p> <p><i>Supplied Accessories</i></p> <p>24. Remote Control: Yes</p> <p>25. User Manual: Yes</p> <p>26. Wall Mount Kit: Yes</p> <p>27. Warranty: 4 Years panel warranty, 2 years parts and services warranty, 6 months((In case of panel failure) TV Replacement Guarantee with all spare parts & service.</p> <p>28. Support Service: Tenderer shall provide a support service contact no.# for the support issues. Support service may be on-site or in service center, arranged by tenderer.</p>
4	Pen drive	<p>01. Brand: Internationally reputed brand to be mentioned by tenderer</p> <p>02. Model: to be mentioned by the tenderer.</p>

Item No.	Name of Goods	Detailed Technical Specification and Standards required
		<ul style="list-style-type: none"> 03. Country of Origin: To be mentioned by the tenderer. 04. Country of Manufacture: To be mentioned by the tenderer. 05. Capacity:128GB 06. Color :Black or standard color 07. Texture: Plastic 08. Dimensions : (L x W x H) 58 x 20 x 13 mm / 2.28 x0.79 x0.51inch 09. Weight: 9g / 0.32oz 10. Interface's 3.2 Gen1 (USB 5Gbps) (backward compatible with USB 2.0) 11. Performance: Up to 100MB/s read 12. System requirements: Windows Vista, 7, 8, 8.1, 10, 11, Mac OS X 10.6 or later, Linux kernel 2.6 or later, with no device driver needed 13. Warranty: 5 Years Limited Warranty 14. Support Service: Tenderer shall provide a support service contact no.# for the support issues. Support service may be on-site or in service center, arranged by tenderer.
5	WIFI Router	<ul style="list-style-type: none"> 01. Brand: Internationally reputed brand to be mentioned by tenderer 02. Model: to be mentioned by the tenderer. 03. Country of Origin: To be mentioned by the tenderer. 04. Country of Manufacture: To be mentioned by the tenderer. 05. Dual band: 2.4GHz and 5GHz 06. Modulation : 11b: DSSS: DBPSK (1Mbps), DQPSK (2Mbps), CCK (5.5/11Mbps) 11a/g: OFDM: BPSK (6/9Mbps), QPSK (12/18Mbps), 16QAM (24/36Mbps), 64QAM (48/54Mbps) 11n: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM. Rate set: MCS0 to MCS15 11ac: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM. Rate set: MCS0 to MCS9 (supports 2 streams) 07. wifi transmission power: CE EIRP : <20dBm(2.4GHz)<23dBm(5GHz) 08. Operating system: Mi Wi-Fi ROM intelligent router operating system based on a highly customized version of OpenWRT 09. Wireless security: WPA-PSK/WPA-PSK2 encryption, wireless access control (blacklist and whitelist), SSID hiding, smart unauthorized access

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		<p>prevention</p> <p>10. Management Application: Supports web, Android, and iOS</p> <p>11. Product accessories: 1 x user manual (includes warranty card) 1 x product power supply (12V/0.6A)</p> <p>12. Operating temperature: 0–40°C 0–40°C</p> <p>13. Operating humidity: 10%–90% RH (no condensation)</p> <p>14. Storage temperature: -40–70°C</p> <p>15. Storage humidity: 5%–90% RH (no condensation)</p> <p>16. Warranty: 1 Years full Manufacturer's warranty with all spare parts & service.</p> <p>17. Support Service: Tenderer shall provide a support service contact no.# for the support issues. Support service may be on-site or in service center, arranged by tenderer.</p>

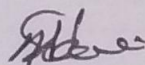


M A Kaium

Assistant Teacher

Member Secretary,

Technical Specification and Cost Estimate Committee.

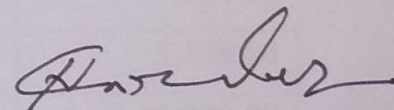


Md. Abu Bakkor Siddik

Assistant Teacher

Member,

Technical Specification and Cost Estimate Committee.



Md. Nuran Nabi Sarder

Assistant Head Master

Chairman,

Technical Specification and Cost Estimate Committee.