

بورڈ آف انٹر میڈیٹ اینڈ سیکنڈری ایجوکیشن، ساہیوال

ٹینڈر برائے خریداری I.T ایکوئمنٹس اور سیکورٹی آلات برائے مالی سال 2019-20

دفتر ہذا کو تجربہ کار اور اچھی شہرت کی حامل سبز ٹیکس ور جسٹراڈ اکنم ٹیکس گزار پروفیشنل ٹیکس رجسٹرڈ فرموں سے I.T ایکوئمنٹس (کمپیوٹر سیٹ، لپ ٹاپ، آفس پرنٹر، سکیئر پرنٹر، CD رائٹر، ہارڈسک، سیفٹی پکس، USB، کی بورڈ، ماؤس وغیرہ، سیکورٹی کے آلات CCTV کیمرے، DVR، واک ٹھرو گیٹ، مینول کال پوائنٹ، الیکٹرک ساؤنڈ راینڈ بیکن، کنٹرول پنیل، وائرلیس سیٹ واک ٹاک وغیرہ) کی خرید کے لئے بمطابق PPRA رولز ٹینڈر مطلوب ہیں۔ تمام آئٹمز کی تفصیلی تصریحات (Specifications) ٹینڈر ڈاکیومنٹس میں دی گئی ہیں۔ سر بمہر ٹینڈر مورخہ 26-03-2020 بوقت 1:00 بجے دن تک بذریعہ ڈاک ارجنٹ میل سروس، زیر دستخطی کے دفتر میں پہنچ جانی چاہیے جو اسی روز بوقت 02:00 بجے دوپہر فرموں کے مالکان یا ان کے بااختیار نمائندگان جنہیں وہ تحریری اختیار دیں گے ان کی موجودگی میں کھولے جائیں گے۔ دستی بھیجا گیا یا مقررہ تاریخ اور وقت ختم ہونے کے بعد موصول ہونے والا کوئی بھی ٹینڈر قابل قبول نہ ہوگا۔

شرائط:

- 1- ٹینڈر دہندگان 5 فیصد کال ڈیپازٹ (بڈ سیکورٹی) بمطابق تخمینہ لاگت شیڈولڈ بنک کی کسی بھی شاخ میں بنام سیکرٹری بورڈ آف انٹر میڈیٹ اینڈ سیکنڈری ایجوکیشن ساہیوال میں جمع کروا کر ٹینڈر (ٹیکنیکل بڈ) کے ہمراہ منسلک کریں۔ مطلوبہ Bid-Security (بحساب پانچ فیصد) ٹینڈر / کوٹیشنز کے ساتھ منسلک نہ ہونے کی صورت میں ایسے ٹینڈر / کوٹیشنز قابل قبول نہ ہوں گے۔
- 2- کوٹیشنز دفتر کی جانب سے جاری کردہ ٹینڈر میں دیئے گئے پروفارمہ برائے فنانشل / ٹیکنیکل بڈز پر ہی مہیا کیے جائیں بصورت دیگر کوٹیشن منسوخ کر دی جائے گی۔
- 3- کامیاب نرخ دہندہ / سپلائر کمپنی کنٹریکٹ Amount کا 10% پروفارمٹس گارنٹی معاہدہ پر دستخط کرنے سے قبل جمع کروائے گا۔
- 4- ٹینڈر دہندہ اپنے نرخوں پر 90 دن تک پابند رہے گا۔
- 5- مذکورہ بالا سامان کا ٹینڈر فارم و تصریحات اور شرائط ٹینڈر کی کاپی مبلغ -/1000 روپے فی کیٹگری (نا قابل واپسی) بطور ٹینڈر فیس بذریعہ بنک چالان حبیب بینک لمیٹڈ (کوٹ خادم علی روڈ) ساہیوال برانچ کوڈ 0686 کے اکاؤنٹ نمبر 7900361601 میں جمع کروا کر ٹینڈر تاریخ اشاعت کے روز سے شعبہ ستور سے حاصل کر سکتے ہیں۔
- 6- ٹیکنیکل (Technical) اور فنانشل (Financial) آفرز پنجاب پروکیومنٹ رولز (a)(2)38 کے مطابق علیحدہ علیحدہ بند کرنے کے بعد ایک ہی لفافہ میں بند کر کے جمع کروائیں تمام Assessment اور Procedure درج بالا رولز کے مطابق ہوگا۔
- 7- ٹینڈر میں ریٹ کا اندراج لفظوں اور ہندسوں میں کریں۔
- 8- منظور شدہ ریٹ میں کسی قسم کی تبدیلی نا قابل قبول ہوگی۔
- 9- مشروط / نامکمل ٹینڈر جو کہ PPRA رولز 2014 کے مطابق نہیں ہوں گے وہ نا قابل قبول ہوں گے۔
- 10- حکومت کی طرف سے عائد کردہ تمام ٹیکسز بذمہ فرم ہوں گے۔

نوٹ: مزید معلومات دفتری اوقات میں زیر دستخطی / شعبہ ستور کے ٹیلی فون نمبر 040-4272159 پر رابطہ کر کے حاصل کی جاسکتی ہیں۔

(ڈاکٹر حافظ حسین)

سیکرٹری



STANDARD BIDDING DOCUMENTS

Tender # 5-B/2019-20

LAST DATE OF SUBMISSION OF DOCUMENTS:

26-03-2020

PROCUREMENT OF:

I.T EQUIPMENTS
And Security Devices
(Group A, B& C)

ATTACHED DOCUMENTS

- Instructions to Bidders.
- Technical Evaluation Criteria
- Technical Bid of (Category a, b, c)
- Financial Bid Performa of (Category a, b, c,)

NOTE:

The Bidder has to submit the Technical Evaluation Criteria, Sealed Technical Bid and Financial Bid separately. Supply Schedule will be mentioned in the work order.

Price: Rs.1000/-
(Per Category/group)

Signature

INSTRUCTION TO BIDDERS

1. The Board Invites Bids from suppliers, distributors for supply as per technical specifications given in the tender document.
2. All suppliers/contractors and distributors having minimum **1- year experience** in applied category and who fulfill the criteria as per given in advertisement will stand eligible for the Bidding.
3. The Bidder should not have been blacklisted by any government, semi government organization or autonomous bodies etc.
4. The Bidding Documents should be read in conjunction with any Addenda issued in accordance with the terms and conditions given below.
5. At any time prior to the deadline for submission of Bids, the Purchaser may amend the Bidding Documents by issuing addenda.

TERMS AND CONDITIONS

1. The invitation for Bids issued by the Purchaser Board of Intermediate and Secondary Education, Sahiwal (Board) is not part of the Contract Agreement.
2. The Technical & Financial offers be submitted in separate sealed envelopes as per PPRA Rules 2014.
3. Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding document directly from the Purchaser.
4. To give prospective Bidder reasonable time in which to take an addendum into account in preparing their Bids, the Purchaser may at its discretion, extend the deadline for the submission of Bids.
5. The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.
6. The Bidder shall submit the **Technical Bid and Financial Bid on prescribed Performa given by Board in Tender documents**. This form must be completed without any alterations in its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested as per specifications given in Technical Bid.
7. Unless otherwise indicated in the Bidding Documents (BDs), alternative Bids shall not be considered.
8. Bid Security @ 5% of total value of Bid/ (Group in which firm is participating) in favour of Secretary, Board of Intermediate and Secondary Education, Sahiwal in the shape of Pay Order/ Bank Draft or CDR issued by any branch of scheduled bank should be attached with the Technical Bid.
9. Any Bid not accompanied by a substantially responsive Bid Security will be rejected by the Purchaser.
10. The successful bidder will furnish the performance security within 15 days of the receipt of notification of award from the purchaser.
11. The Bid security of the successful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security @ 10% of the total cost before the signing of contract/agreement that will be made on stamp paper value of 0.25% of contract value.

12. Bids shall remain valid for the period of specified in the BDs after the Bid submission deadline date i.e. 90 days from the opening of Technical Bid. A Bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
13. The original and copy of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder.
14. Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.
15. The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected and returned.
16. The Tender Documents will be received up to 26-03-2020 till 01:00 PM in the office of Secretary BISE, Sahiwal. The same will be open on the same day at 02:00 PM in the presence of Bidders or their representative who make them available on that date and time in the office of Secretary BISE, Sahiwal.
17. Technical bids information relating to the examination, evaluation, comparison, and post qualification of Bids will be communicated accordingly, however, contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on Contract award is communicated to all Bidders.
18. Any effort by a Bidder to influence the purchaser in the examination, evaluation, comparison, and post qualification of the Bids or contract award decisions may result in the rejection of its Bid.
19. A substantially responsive Bid is one that confirms to all the terms, conditions, and specifications of the Bidding documents without material deviation, reservation, or omission.
20. The Chairman, BISE, Sahiwal reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids at any time prior to contract award, without thereby incurring any liability to Bidders.
21. The purchaser shall award the Contract to Bidder whose offer has been determined to be technically sound and financially lowest evaluated and is substantially responsive to the Bidding documents, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.
22. At the time, the contract is awarded, the Chairman BISE, Sahiwal reserves the right to increase or decrease the quantity of items to be purchased as per PPRA rules originally specified in tender. Schedule of requirement, without any change in the unit prices or other terms and conditions of the Bid and the Bidding documents.
23. Prior to the expiration of the period of Bid validity, the purchaser shall notify the successful Bidder, in writing that its Bid has been accepted.

The Bid security may be forfeited:

- a) If a Bidder withdraws its Bid during the period of Bid validity specified in BIDs.
- b) If the successful Bidder fails to:-
 - i. Sign to the contract in accordance with the above said terms and conditions.
 - ii. Furnish a performance security @ 10% of the total cost of Bid.

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION SAHIWAL.**TECHNICAL EVALUATION CRITERIA**

1. Name of Bidder/ Lead Bidder. _____
(In Capital Words)
2. Status of Firm/Company/JV/Group _____
3. Address _____
4. Sales Tax No _____
5. Income Tax No. _____
6. Sales Tax Registration (If applicable) _____
7. Date of Establishment of Business _____
8. **Financial information:**
 - a. Income Tax paid/deducted for previous one year 2018-19.
(attach evidence)
 - b. Attach Professional Tax paid certificate of current year.
 - c. Cash flow availability.
(Attach Bank Statement for fiscal year July, 2018 to June, 2019)
9. **Ability to supply items.**
According to Specifications.
10.
 - a. 1 Year Experience
 - b. No Defaulter/Blacklist certificate (affidavit on stamp paper)
 - c. Manufacturer/Distributor.
11. Pay order/CDR/Bank Draft No _____ Amount _____ dated _____
Name of Bank _____ Branch _____
(Attach original Pay order/CDR/Bank Draft with technical bid)

CHECK LIST

Sr. No.	Name of Documents	Yes	No	Page No.
1	Income Tax Certificate (Along with NTN No.)			
2	Professional Tax Certificate			
3	Bank Statement (July 2018 to June 2019)			
4	Experience Certificate / Work Order			
5	No Defaulter / Blacklist Certificate			
6	Pay Order/CDR/Bank Draft			

Name of Owner/Representative _____

Name of Firm/Bidder _____

Signature and Stamp _____

CNIC # _____

Cell # _____

E-mail: _____

Dated _____

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, SAHIWAL**DEMAND OF CONSUMABLE ITEM (I.T) & I.T EQUIPMENTS FOR THE YEAR 2019-20****(Category- A) I.T Equipments TECHNICAL BID**

SR. NO.	NAME OF ITEMS	SPECIFICATION	Type	DEMAND
1	Computer Set	HP, Dell or Equivalent Core i7 gen 8th or higher Latest Model (Brand New) Hard Disk. 500 GB RAM. 4 GB Key Board(For Typing) Mouse. LAN: Lan Adaptor, WIFI Card Antine LED Display Screen 21"	Set	13
2	Laptop	Dell or Equivalent (core i5 or i7) 8th generation OR higher Condition <u>Brand New</u> 1.CPU 2.5 of higher 2. RAM 4GB or higher 3.Hard Space 1 TB 4. Display 15.6" HD 5. web cam HD Yes 6.Wifi Yes 7. LAN Adaptor Yes 8. Nomatic Keypad (Optional) 9. Super Drive (Optional)	Nos.	2
3	Computer LED 21 inch	Dell / HP or Equivalent	Nos.	1
4	Office Printer	HP Laser Jet OR Equivalent Print Quality(Black) : Fine lines(1200x1200 dpi Print Speed: 38 to 40 PPM on A4/ltr size paper Duplex Printing: Automatic (default) Duty Cycle (montly, A4): upto 80,000 pages Replacement of Cartridges: 3000 pages Aprox Connectivity Standard:1Hi-speed USB 2.0; 1host USB at rear side, Gigabit Ethernet 10/100/1000 Base-T net work Net Work Capability: Built-in 10/100/1000 Base-TX Ethernet,Gigabit;Auto-crossover Ethernet;Authentication via 802 .1X Net work protocol supported Compatible operation systems(Windows 7, 8, 10) Energy Star* Certified Weight: 8-9 kG Power consumption: 495 watt on printing Standard Warranty with Parts and Service	Nos.	20
5	Scanner Printer(MFP)	Scanner/Printer HP or equivalent Funtions: Print,copy, Scan (laser technology) Speed: Black /normal, A4:upto 18ppm Resolution: Black(best):upto 600x600 dpi :Black (normal) upto 600x400x2dpi Language: PCLms, URF,PWG Scan Type: Flated Technology:Contact image sensor (CIS) Recommended monthly: 250 to 2000 pages Max Scanning Size: Flated upto 216x297mm File Format: JPG, RAW(BMP), PNG, TIFF, PDF Memory: Standard 32MB Processer Speed: 500 MHZ Weight: 5.4 KG Warrenty: Standard warrenty with part and Service	Nos.	4
6	Master combo cd writer	10 CDs in one Time	Nos	1
7	Gestetner Dx-3443 Master Roll	CP-MT 15 Master Roll	Roll	4

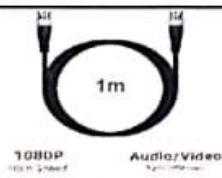
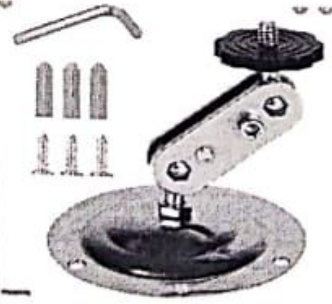
DEMAND OF CONSUMABLE ITEM (I.T) & I.T EQUIPMENTS FOR THE YEAR 2019-20

(Category-B) Misc. Items I.T, TECHNICAL BID

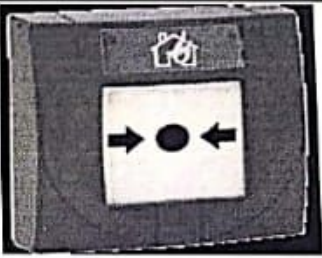
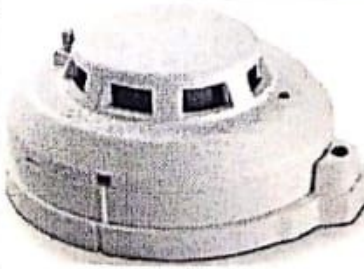
SR. NO.	NAME OF ITEMS	SPECIFICATION	Type	DEMAND
1	Computer Metro Vacum Small	Model No. MDV-IBA	Nos.	1
2	Fluke Networks ACK-LRAT-CIQ	(Model No. ACK-LRAT-CIQ) Troubleshooting Kit, WIFI Test and Cable Test	Nos.	1
3	Hard Disk External	Seagate Ultra Slim (Portable) 4TB	Nos.	2
4	Hard Disk Internal 1TB	SATA (Best quality)	Nos.	4
5	Hard Disk Internal 2TB	SATA (Best quality)	Nos.	4
6	Hard Disk Internal	for System use only 4 TB	Nos.	2
7	Hard Drive Protection Box (ORICO Aluminum & Silicone 2.5/3.5-inch i. BSC-3505 ii. PSC-L2 iii. PHS-35	i. 1 Nos. ii. 2 Nos. iii. 2 Nos.	Nos.	1 2 2
8	Keyboard Clicker (For Typing)	Dell Bold key clicker ultra soft key with numeric key pad	Nos.	19
9	Mouse	Dell	Nos.	20
10	RJ45 Connector (D-Link or Bay-Link)	box (cntaning 100 Per Box)	Box	1
11	SATA Cable	Best Quality	Nos.	12
12	USB (32 GB)	Kingston 3.0 or equivalent	Nos.	4
13	USB (64 GB)	Kingston 3.0 or equivalent	Nos.	1
14	USB 3.0	Kingston Data Traveler Locker + G3 32GB (Personal Data Protection) 32GB	Nos.	2

Signature

Board of Intermediate & Secondary Education, Sahiwal
Technical Bid Category "C" (Specification of Security Items)

No.	Name of Items	Specification	Picture	Type	Demand
1	Adapters	Recommended Company: Dahua or equivalent For: CCTV Camera Usage: Outdoor and Indoor Adapter type: Switching Power voltage: 230 V AC Output voltage: 12 V DC Maximal load: 1.5 A Output power: 15 W Average active efficiency: 79.4 % Power consumption at no-load: < 0.1 W Protections: Overload, Short-circuit Number of outputs: 1 pcs Power connectors type: 2.1/5.5 mm - Straight plug Housing type: Plastic "Index of Protection": IP53 Main features: Splash-proof casing Operation temp: -30 °C ... 40 °C Weight: 160g Dimensions: 138mm x 88mm x 37mm Color: Gray or White Working environment to adapt to the temperature: -30 ~ 70 Installation method: Wall mounting		Nos.	24
2	BNC Cables	Passband: Typically 0-4 GHz Video Cable Material: PVC wire through the processing of plastic and metal materials Color: Black Length: 1m/39.3" BNC diameter: OD5.0mm Weight: 54g male to male jumper		Nos.	24
3	RG-11	For: CCTV Security Camera Type: Rg-11 Impedance Z0(Ω): 75 Dielectric: Solid Polyethylene Time Delay (ns/ft): 1.54 Propagation Velocity (% of c): 65.9 Capacitance (pF/foot): 20.6 Outside Dimensions (inches): 0.405 dB/100ft @400MHz: 5.7 Maximum Voltage (Vrms): 4000 Shield: Braid		Meters	1500
4	CCTV Camera	5 MP MP MP high performance CMOS 2560 x 1944 resolution 2.8 mm, 3.6 mm, 6 mm fixed lens EXIR 2.0, smart IR, up to 20 m IR distance OSD menu, 2D DNR2D, DWDR 4 in 1 video output (switchable TVI/AHD/CVI/CVBS) IP67		Nos.	18
5	CCTV Camera Stand	Recommended Company: Hikvision or equivalent Material: Stainless Steel Color: Black Size: 7.3 * 7.3 * 10cm / 2.9 * 2.9 * 3.9 Package Weight: Approx 94g/3.3oz Package list: 1 * Surveillance Camera Stand 3 * Screws 3 * Stopper Max Height: 105mm / 4.13inch Base Plate Dia: 80mm / 3.15inch Fixing Thread Dia: 6mm / 1/4inch Mounting Hole Dia: 5mm / 0.2inch Mounting Hole Center Distance: 62mm / 2.44inch Multi-directional adjustment design is perfect for different angles guarding. With 180 degree angle adjust, show large view for camera. Universal Camera Bracket gives you a lot of versatility for indoor and outdoor mount applications, even around corners and near windows, etc. Ideal for CCTV camera, for indoor and outdoor mount applications, even around corners and Easy to use and install.		Nos.	12
6	DVR 8-Channel	TURBO HD DVR Recommended Company: Hikvision or equivalent H.265 Pro/H.265 Pro/H.265 video compression HDTV/AHD/CVI/CVBS/IP video input Audio via coaxial cable Up to 8/16/32-ch IP camera inputs (up to 8 MP) Max. 800 m for 1080p and 1200 m for 720p HDTV signal transmission Up to 10 TB capacity per HDD		Nos.	2

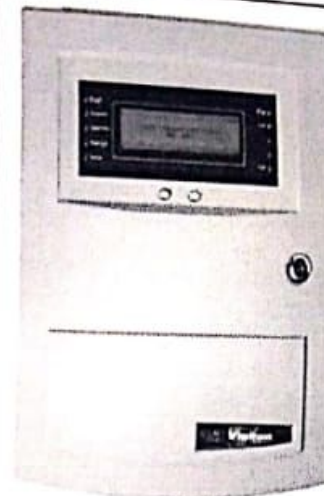
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8	DVR 16-Channel	HIKVISION HD DVR Recommended Company H.265 Pro+/H.265 Pro/H.265 video compression HDMI/AHD/CVI/CVBS/IP video input Audio via coaxial cable Up to 8/16/32 ch IP camera inputs (up to 8 MP) Max. 800 m for 1080p and 1200 m for 720p HDMI signal transmission Up to 10 TB capacity per HDD	HIKvision or equivalent		Nos.	1
9	Hard Disk	Seagate 4TB ST4000VX000 520 SV35 Series, Storage Capacity Surveillance HDD 4TB/ 64MB (6 GB/s/ NC1) / 5900 RPM SATA3	4000 GB		Nos.	4
9	Cat-6	Network Cable Full diameter 305 m CAT6 network cable Core diameter: Excellent transmission performance using solid copper Quality verified by Fluke test Guaranteed long PoE transmission distance Great PVC flame resistance. Recommended Company	Solid Copper, 0.5 mm, CM 0.565mm		Meters	300
10	Walk Through Gate	18 zone, Pinpoint Detection Display, Triple Display, Triple Traffic Counter, Sensitivity Level - 99 to +99, HAGC System, LED Display)	HIKvision or equivalent		Nos.	1
11	Manual Call Point	Max Quantity per Loop Operating Temperature Ingress Protection Relevant Standard Approx Weight Device Load Factor Resettable or break glass • Lift up protective covers • Keyswitch • Weatherproof version (IP67) suitable for external areas • Up to 200 per loop • Integral short-circuit isolator • Surface or Semi Flush options	200 -25oC to 70oC Standard IP43, EP version IP67 EN54 part 11 & 17 0.11Kg 1		Nos.	10
12	Electronic Sounder and Beacon	Recommended Company ELECTRICAL Operating Voltage Operating Voltage Approved Current Consumption, Average ENVIRONMENTAL Operating Temperature Relative Humidity Ingress Protection MECHANICAL Body Colour Sound Output, Maximum Number of Tones Volume Setting Termination Size Material Lens / Body Gross Weight – Standard device Gross Weight – First Fix option	Hori 12 to 29VDC EN54-23 @12 to 29 VDC (C & W) EN54-3 @ 9-14 VDC & 18-29VDCt 49mA @ 29VDC (W Class) Tone 7 -25°C to 70°C 93% ±3% non condensing IP21C – low profile base IP65 – deep base Red / White 107db(A) @1m (Tone 23)t 32 Includes a bell tone (Full tone table available on website & manual installation) High or medium Cable 0.5-2.5mm² Flame retardant PC/ABS (low profile) 271g (deep / IP65) 280g (low profile) 283g (deep / IP65) 293g		Nos.	10
13	Smoke and Heat Detector	Recommended Company Model Type Alarm Contact Voltage Range Alarm Current @24V DC 470Ω Standby Current Sensitivity Setting Thermal Setting Ambient Temperature Material Dimensions Weight Color Effective alert area Building Height Under 4M 4 – 20M	HORING LIH INDUSTRIAL CO. LTD., Or Equivalent AH-9315 2-wire 3-wire 4-wire N/A N/A 0.8A @30V DC 0.4A @125V AC 12 – 30V DC 35mA 35mA 30mA 20 – 30µA (Loop response under 75µA) Comply to EN54 55°C -10°C ~ +55°C Fire-proof plastic 111mm(Dia.) x 50mm(H) About 170g White Area Covered 150 M² 75 M²		Nos.	10

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Control Panel

Recommended Company	Gent by Honeywell or equivalent
Max Number of Loops	2
Loop Capacity	200 Devices per loop, Alarm load 800mA per loop (max across both loops 1.4A)
Networking Capacity	Up to 31 panels in a single domain (multiple domains can extend a network up to 200 panels)
Ingress Protection	IP31
Approx Weight	16.6 Kg (including batteries)
Operating Temperature	0°C to +45°C
Relevant Standards	EN54 Parts 2 & 4
Batteries	2 x 12V @ 12Ah
Battery Standby	24 Hours + 30 minutes alarm (Dependant on device loading – please use the battery standby calculator to confirm actual standby)
Supply Voltage	216V – 253V 50Hz
Power Consumption	140 W
Aux DC supply	24V 200 mA (must be considered when calculating battery standby)
Cable Entry	Top and rear
Dimensions (mm)	403 (H) x 338 (W) x 101 (D)
Auxiliary Contacts	Programmable to activate on Fire, Fault or Disablement. (1 x SPCO 1 x DPCO)
Sounder Circuits	2 circuits @ 250mA each
Monitored input	1 input which is programmable to perform a logical action via a command build
Communication ports	1 x RS485) selectable, 2 x RS232) functions
Approvals	Certified to EN54 Parts 2 & 4



Nos.

1

15

Wireless Set (Walkie Talkie)

For	Security Purpose
Recommended Company	Kenwood or equivalent
GENERAL	
Frequency range	
Type 1	450 ~ 470 MHz
Type 2	400 ~ 420 MHz
Type 4	
Channels	16 channels
Channel spacing	
Wide/Narrow	25 kHz/12.5 kHz
PLL step	5 kHz, 6.25 kHz
Battery voltage	7.5 V DC) 20 %
Battery life	
KNB-15A (1100 mAh)	More than 8 hours on 5-5-90 duty cycle
Operating temperature range	-30°C ~ +60°C
Frequency stability	
(-30°C ~ +60°C)	0.00025%
Antenna impedance	50 W
Channel frequency spread	
Type 1	20 MHz
Type 2	20 MHz
Type 4	
Dimensions (W x H x D)	
[projections not included]	58 x 125.5 x 35 mm with KNB-15A battery
Weight (net)	380 g with KNB-15A battery, antenna and belt hook
RECEIVER	
Sensitivity (12 dB SINAD)	
Wide/Narrow	0.25 µV/0.28 µV
Selectivity	
Wide/Narrow	70 dB/60 dB
Intermodulation distortion	
Wide/Narrow	65 dB/60 dB
Spurious response	60 dB
Audio output	500 mW with less than 10% distortion
TRANSMITTER	
RF power output	4 W
Spurious response	65 dB
Modulation	
Wide/Narrow	16K0F3E/11K0F3E
FM noise	
Wide/Narrow	45 dB/40 dB
Audio distortion	
Wide/Narrow	Less than 5%



Nos.

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BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, SAHIWAL

DEMAND OF CONSUMABLE ITEM (I.T) & I.T EQUIPMENTS FOR THE YEAR 2019-20

(Category- A) I.T Equipments FINANCIAL BID

SR. NO.	NAME OF ITEMS	SPECIFICATION	Type	DEMAND	Quotation		
					Rate In Fig.	Rate In Words	Total Cost
1	Computer Set	HP, Dell or Equivalent Core i7 gen 8th or higher Latest Model (Brand New) Hard Disk, 500 GB RAM, 4 GB Key Board (For Typing) Mouse. LAN: Lan Adaptor, Wifi Card Anatine LED Display Screen 21"	Set	13			
2	Laptop	Dell or Equivalent (core i5 or i7) 8th generation OR higher Condition <u>Brand New</u> 1. CPU 2.5 or higher 2. RAM 4GB or higher 3. Hard Space 1 TB 4. Display 15.6" HD 5. web cam HD Yes 6. Wifi Yes 7. LAN Adaptor Yes 8. Numeric Keypad (Optional) 9. Super Drive (Optional)	Nos.	2			
3	Computer LED 21 inch	Dell / HP or Equivalent	Nos.	1			
4	Office Printer	HP Laser Jet OR Equivalent Print Quality (Black) : Fine lines (1200x1200 dpi) Print Speed: 38 to 40 PPM on A4/tr size paper Duplex Printing: Automatic (default) Duty Cycle (monthly, A4): upto 80,000 pages Replacement of Cartridges: 3000 pages Approx Connectivity Standard: 10/100/1000 Base-TX USB at rear side, Gigabit Ethernet 10/100/1000 Base-T net work Net Work Capability: Built-in 10/100/1000 Base-TX Ethernet, Gigabit Auto-crossover Ethernet Authentication via 802.1X Net work protocol supported Compatible operation systems (Windows 7, 8, 10) Energy Star* Certified Weight: 8-9 kg Power consumption: 495 watt on printing Standard Warranty with Parts and Service	Nos.	20			
5	Scanner Printer (MFP)	Scanner/Printer HP or equivalent Functions: Print, copy, Scan (laser technology) Speed: Black /normal, A4: upto 18ppm Resolution: Black (best): upto 600x600 dpi Black (normal) upto 600x400x2dpi Language: PCLm, UFR, PWG Scan Type: Flatbed Technology: Contact image sensor (CIS) Recommended monthly: 250 to 2000 pages Max Scanning Size: Flatbed upto 216x297mm File Format: JPG, RAW (BMP), PNG, TIFF, PDF Memory: Standard 32MB Processor Speed: 500 MHZ Weight: 5.4 KG Warranty: Standard warranty with part and Service	Nos.	4			
6	Master combo cd writer	10 CDs in one Time	Nos	1			
7	Gestetner Dx-3443 Master Roll	CP-MT 15 Master Roll	Roll	4			

Estimated Price: 36,00,000/-

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Board of Intermediate and Secondary Education, Sahiwal
Financial Bid of Security item Category (C)

No.	Name of Items	Specification	Demand	Quotation		
				Rate In Fig	Rate In words	Total Cost
1	Adapters	Recommended Company: Dahua or equivalent For: CCTV Camera Usage: Outdoor and Indoor Adapter type: Switching Power voltage: 230 V AC Output voltage: 12 V DC Maximal load: 1.5 A Output power: 15 W Average active efficiency: 79.4 % Power consumption at no-load: < 0.1 W Protections: Overload, Short circuit Number of outputs: 1 pcs Power connectors type: 2.1/5.5 mm - Straight plug Housing type: Plastic "Index of Protection": IP53 Main features: Splash-proof casing Operation temp: -30 °C ... 40 °C Weight: 160g Dimensions: 138mm x 88mm x 37mm Color: Gray or White Working environment to adapt to the temperature: -30 ~ 70 Installation method: Wall mounting	24 Nos.			
2	BNC Cables	Passband: Typically 0-4 GHz Video Cable Material: PVC wire through the processing of plastic and metal materials Color: Black Length: 1m/39.3" BNC diameter: ODS.0mm Weight: 54g male to male jumper	24 Nos.			
3	RG-11	For: CCTV Security Camera Type: Rg-11 Impedance 70(Ω): 75 Dielectric: Solid Polyethylene Time Delay (ns/ft): 1.54 Propagation Velocity (% of c): 65.9 Capacitance (pF/foot): 20.6 Outside Dimensions (inches): 0.405 dB/100ft @400MHz: 5.7 Maximum Voltage (Vrms): 4000 Shield: Braid	1500 Meters			
4	CCTV Camera	5 MP MP high performance CMOS 2560 x 1944 resolution 2.8 mm, 3.6 mm, 6 mm fixed lens EXIR 2.0, smart IR, up to 20 m IR distance OSD menu, 2D DNR2D, DWDR 4 in 1 video output (switchable TVI/AHD/CVI/CVBS) IP67 Recommended Company: Hikvision or equivalent	18 Nos.			
5	CCTV Camera Stand	Material: Stainless Steel Color: Black Size: 7.3 * 7.3 * 10cm / 2.9 * 2.9 * 3.9 Package Weight: Approx.94g/3.3oz Package list: 1 * Surveillance Camera Stand 3 * Screws 3 * Stopper Max Height: 105mm / 4.13Inch Base Plate Dia: 80mm / 3.15Inch Fixing Thread Dia: 6mm / 1/4Inch Mounting Hole Dia: 5mm / 0.2Inch Mounting Hole Center Distance: 62mm / 2.44Inch Multi-directional adjustment design is perfect for different angles guarding. With 180 degree angle adjust, show large view for camera. Universal Camera Bracket gives you a lot of versatility for indoor and outdoor mount applications, even around corners and near windows, etc. Ideal for CCTV camera, for indoor and outdoor mount applications, even around Easy to use and install.	12 Nos.			
6	DVR 8-Channel	TURBO HD DVR Recommended Company: Hikvision or equivalent H.265 Pro/H.265 Pro/H.265 video compression HD/TVI/AHD/CVI/CVBS/IP video input Audio via coaxial cable Up to 8/16/32-ch IP camera inputs Up to 10 TB capacity per HDD	2 Nos.			

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8	VCR 16-Channel	TURBO HD DVR		1 Nos.						
		Recommended Company	HIKvision or equivalent							
		H.265 Pro+/H.265 Pro/H.265 video compression								
		HDTV/AMQ/CVI/CVBS/IF video input								
		Audio via coaxial cable								
		Up to 8/16/32 ch IP camera inputs (up to 8 MP)								
		Max. 800 m for 1080p and 1200 m for 720p HDTV signal								
		Up to 10 TB capacity per HDD								
9	Hard Disk	Seagate 4TB ST4000VX000 520 SV35 Series		1 Nos.						
		Storage Capacity	4000 GB							
		Surveillance HDD								
		4TB/ 64MB (6 GB/s / NCQ) / 5900 RPM								
		SATA3								
9	Cat-6	Network Cable	Solid Copper, 0.5 mm, CM	300 Meters						
		Full diameter 305 m CAT6 network cable								
		Core diameter:	0.565mm							
		Excellent transmission performance using solid copper								
		Quality verified by Fluke test								
		Guaranteed long PoE transmission distance								
		Great PVC flame resistance.								
		Recommended Company	HIKvision or equivalent							
10	Walk Throug Gate	18 zone, Pinpoint Detection Display, Triple Display, Triple Traffic Counter, Sensitivity Level - 99 to +99, HAGC System, LED Display)	HIKvision or equivalent	1 Nos						
11	Manual Call Point	Max Quantity per Loop	200	10 Nos.						
		Operating Temperature	-25oC to 70oC							
		Ingress Protection	Standard IP43, EP version IP67							
		Relevant Standard	EN54 part 11 & 17							
		Approx Weight	0.11Kg							
		Device Load Factor	1							
		Resettable or break glass								
		• Lift up protective covers								
		• Keyswitch								
		• Weatherproof version (IP67) suitable for external areas								
		• Up to 200 per loop								
		• Integral short-circuit isolator								
		• Surface or Semi Flush options								
		12	Electronic Sounder and Beacon		Recommended Company	Hori	10 Nos.			
					ELECTRICAL					
Operating Voltage	12 to 29VDC									
Operating Voltage Approved	EN54-23 @ 12 to 29 VDC (C & W) EN54-3 @ 9-14 VDC & 18-29VDCt									
Current Consumption, Average	49mA @ 29VDC (W Class) Tone 7									
ENVIRONMENTAL										
Operating Temperature	-25°C to 70°C									
Relative Humidity	93% ± 3% non condensing									
Ingress Protection	IP21C – low profile base IP65 – deep base									
MECHANICAL										
Body Colour	Red / White									
Sound Output, Maximum	107db(A) @1m (Tone 23)t									
Number of Tones	32 includes a bell tone (Full tone table available on website & manual installation)									
Volume Setting	High or medium Cable									
Termination Size	0.5-2.5mm²									
Material Lens / Body	Flame retardant PC/ABS									
Gross Weight – Standard device	(low profile) 271g (deep / IP65) 280g									
Gross Weight – First Fix option	(low profile) 283g (deep / IP65) 293g									
13	Smoke and Heat Detector	Recommended Company	HORING LIH INDUSTRIAL CO. LTD., Or Equivalent	10 Nos.						
		Model	AH-9313							
		Type	2-wire 3-wire 4-wire							
		Alarm Contact	N/A N/A 0.8A @30V DC 0.4A @125V AC							
		Voltage Range	12 ~ 30V DC							
		Alarm Current @24V DC 4700	25mA 25mA 30mA							
		Standby Current	20 ~ 30uA (auto-responder under 75uA)							
		Sensitivity Setting	Comply to EN54							
		Thermal Setting	35°C							
		Ambient Temperature	-10°C ~ +55°C							
		Material	Fire-retard plastic							
		Dimensions	111mm(L) x 54mm(W)							
		Weight	About 1.7kg							
		Color	White							

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15	Control Panel	Recommended Company	Gent by Honeywell or equivalent	1 Nos.			
		Max Number of Loops	2				
		Loop Capacity	200 Devices per loop, Alarm load 800mA per loop (max across both loops 1.4A)				
		Networking Capacity	Up to 31 panels in a single domain (multiple domains can extend a network up to 200 panels)				
		Ingress Protection	IP31				
		Approx Weight	16.6 Kg (including batteries)				
		Operating Temperature	0°C to +45°C				
		Relevant Standards	EN54 Parts 2 & 4				
		Batteries	2 x 12V @ 12Ah				
		Battery Standby	24 Hours + 30 minutes alarm (Dependant on device loading – please use the battery standby calculator to confirm actual standby)				
		Supply Voltage	216V – 253V 50Hz				
		Power Consumption	140 W				
		Aux DC supply	24V 200 mA (must be considered when calculating battery standby)				
		Cable Entry	Top and rear				
		Dimensions (mm)	403 (H) x 338 (W) x 101 (D)				
		Auxiliary Contacts	Programmable to activate on Fire, Fault or Disablement. (1 x SPCO 1 x DPCO)				
		Sounder Circuits	2 circuits @ 250mA each				
		Monitored Input	1 input which is programmable to perform a logical action via a command build				
		Communication ports	1 x RS485) selectable, 2 x RS232) functions				
		Approvals	Certified to EN54 Parts 2 & 4				
		For	Security Purpose				
		Recommended Company	Kenwood or equivalent				
		GENERAL					
		Frequency range					
		Type 1	450 ~ 470 MHz				
		Type 2	400 ~ 420 MHz				
		Type 4					
		Channels	16 channels				
		Channel spacing					
		Wide/Narrow	25 kHz/12.5 kHz				
		PLL step	5 kHz, 6.25 kHz				
		Battery voltage	7.5 V DC } 20 %				
		Battery life	More than 8 hours on 5-5-90 duty cycle				
		KNB-15A (1100 mAh)					
		Operating temperature range	-30°C ~ +60°C				
		Frequency stability					
		(-30°C ~ +60°C)	0.00025%				
		Antenna impedance	50 W				
		Channel frequency spread					
		Type 1	20 MHz				
		Type 2	20 MHz				
		Type 4					
		Dimensions (W x H x D)					
		(projections not included)	58 x 125.5 x 35 mm with KNB-15A battery				
		Weight (net)	380 g with KNB-15A battery, antenna and belt hook				
		RECEIVER					
		Sensitivity (12 dB SINAD)					
		Wide/Narrow	0.25 µV/0.28 µV				
		Selectivity					
		Wide/Narrow	70 dB/60 dB				
		Intermodulation distortion					
		Wide/Narrow	65 dB/60 dB				
		Spurious response	60 dB				
		Audio output	500 mW with less than 10% distortion				
		TRANSMITTER					
		RF power output	4 W				
		Spurious response	65 dB				
		Modulation					
		Wide/Narrow	16K0F3E/11K0F3E				
		FM noise					
		Wide/Narrow	45 dB/40 dB				
		Audio distortion					
		Wide/Narrow	Less than 5%				

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DEMAND OF CONSUMABLE ITEM (I.T) & I.T EQUIPMENTS FOR THE YEAR 2019-20

(Category-B) Misc. Items I.T, FINANCIAL BID

SR. NO.	NAME OF ITEMS	SPECIFICATION	Type	DEMAND	Quotation		
					Rate in Fig.	Rate in Words	Total Cost
1	Computer Metro Vacuum Small	Model No. MDV-IBA	Nos.	1			
2	Fluke Networks ACK-LRAT-CIQ	(Model No. ACK-LRAT-CIQ) Troubleshooting Kit, WIFI Test and Cable Test	Nos.	1			
3	Hard Disk External	Seagate Ultra Slim (Portable) 4TB	Nos.	2			
4	Hard Disk Internal 1TB	SATA (Best quality)	Nos.	4			
5	Hard Disk Internal 2TB	SATA (Best quality)	Nos.	4			
6	Hard Disk Internal	for System use only 4 TB	Nos.	2			
7	Hard Drive Protection Box (ORICO Aluminum & Silicone 2.5/3.5-inch i. BSC-3505 ii. PSC-L2 iii. PHS-35	i. 1 Nos. ii. 2 Nos. iii. 2 Nos.	Nos.	1 2 2			
8	Keyboard Clicker (For Typing)	Dell Bold key clicker ultra soft key with numeric key pad	Nos.	19			
9	Mouse	Dell	Nos.	20			
10	RJ45 Connector (D-Link or Bay-Link)	box (containing 100 Per Box)	Box	1			
11	SATA Cable	Best Quality	Nos.	12			
12	USB (32 GB)	Kingston 3.0 or equivalent	Nos.	4			
13	USB (64 GB)	Kingston 3.0 or equivalent	Nos.	1			
14	USB 3.0	Kingston Data Traveler Locker + G3 32GB (Personal Data Protection) 32GB	Nos.	2			

Estimated Price:4,00,000/-

