DETAILED TENDER NOTICE

1. Principal, APS Kaluchak invites tenders from reputed vendors/Agencies/Firms having GST No for the items mentioned as under :-

SNo	Details of Items	Specification	Time Limit in tender
(a)	Purchase of following items: (i) Teachers Workstation - qty 15 (ii) Lecture Stand –qty15	**Teachers Table** Size : (i) 30 inch x36 inch x 27 inch (ii) Top : 17mm/19mm Ply Board with teak ply/Sunmica and complete polishing (iii) Coy : Action Tesa company **LECTURE STAND** Size (i) 24 inch x 16 inch x45 inch (ii) Top : 17mm/19mm Ply Board with teak ply/Sunmica and complete polishing (iii) Coy : Action Tesa Company All rates to be provided including GST	Within one month from date of issue of supply order.
(b)	**Purchase of following items:** - (i) Student Desks single seater (Min qty-100 No) (ii) Student Desks Double seater (Min qty-100 No) (iii) Supreme ornate plastic Chairs (Min qty-80 No	(i) **Doubles Seater** - Top Height : 30 inch - Length : 38 inch - Seater height : 18 inch - Top ply board : 38x14 inch - Seat Plywood : 38x10 inch Material - Action Tesa board wooden shade $1^{1/4}$ inch. - Iron frame 1 inch sq pipe - Moulding with polish - Frame be painted with black Asian colour (ii) **Single Seater** - Top Height : 30 inch - Length : 24 inch -Seat height : 18 inch -Top ply board : 24x13 inch -Seat Plywood : 24x9 inch **Material** - Action Tesa board wooden shade $1^{1/4 \text{ inch}}$ - Iron frame 1 inch sq pipe - Moulding with polish - Frame be painted with black Asian colour	Within 15 days from date of issue of supply order.

(c)	Printing of School Magazine Qty-2900	(i) Digital Offset Printing of school Magazine with 108 text pages including photographs. (ii) 157/170 GSM thickness. (iii) 4 Cover pages of 300 Gsm thicknesses on matt paper. (iv) Size of magazine : 14 inch x 9 inch Landscape. All rates to be provided including GST	Within 15 days from date of issue of supply order.
(d)	PVC Wall Paneling, False Ceiling and Lighting of Adm Block. (i) Wall Paneling - 3400 Sq ft approx (ii) False ceiling - 1900 sq ft (iii) LED Lights - 50 Nos	(a) PVC Wall Paneling :- (i) Water and Termite proof. (ii) Fire retardant – No (iii) Printed Paneling. (iv) Material Exterior grade PVC (b) False ceiling :- (i) Material - Gypsum with T Ceiling material and no Corrosion. (ii) Water and Termite proof. (iii) Size ; 2 ft x 2 ft, width 7mm (c) Lighting Works :- (i) LED lights 18w (Square), with modular switches & boards	
(e)	Installation of Hose Reel Hose (Point qty-06)	(i) Supply, installation, testing & Commission of Manual Swing type fire hose reel ISI marked IS:884 with Thermoplastic hose pipe 30 mtr Long dia 20 mm , ISI marked IS : 12585 with GM Shut off nozzle complete in all respect Type –II(WP 10.2 Kgf/cm2). (ii) Supply, installation, testing & Commission of Fire Pump of 2HP, complete with wiring and MCB. (iii) Supply ,installation, testing & Commission of ISI marked MS Pipe 2 inches 50 mm dia from overhead tank to Ground floor, complete with screwing, painting, welding, fabricating etc(Complete in all respects). All rates to be provided including GST	Within one month from date of issue of supply order

(f)	**Procurement of LCD Projector qty 03** **Accessories** Ceiling Kit qty -03 HDMI cables 10 Mtr qty-03 Electric fittings as : (i) 5 Amp switch - 03 (ii) 5 Amp Socket -06 (iii) Batton $1^{1/4}$inch -10 (iv) Gang box 2x2 - 03 (v) Batton Nail - 01 Pkt (iv) Tape Roll - 02	(i) LCD Technology , RGB Liquid Crystal Shutter (ii) Colour light & White light out put – 3,300 lumen-2,050 lumen (iii) Resolution : SVGA,800 x 600, 4:3 (v) Contrast ratio : 15,000:1 (v) Security : Kensington lock, wireless LAN unit lock. (vi) USB Display Function (vii) Screen Size : 60 inch **All rates to be including GST**	Within 15 days from date of issue of supply order.
(g)	Procurement of CCTV Camera (i) IP Bullet Camera qty-06 (ii) PTZ Camera qty -02 (iii) 16 Channel NVR qty -02 which supports upto 8 megapixel PTZ/IP camera. (iv) Surveillance 4 TB Hard Disk (WD) qty -02 (v) LED TV 42 inch qty -02	(Specification is att at Annex- I) All rates to be provided including GST	With 15 days from date of issue of supply order Annexure –I att .
(h)	Refilling of :- (i) Fire Ext ABC Type 2 Kgs - qty 02 (ii) Fire Ext ABC Type 5Kgs- qty 07 (iii) Fire Ext ABC Type 6Kgs -qty 25 Purchase of : (i) Fire ext Clean Agent 2 Kg qty- 01 (ii) Fire Ext CO^2 9 Kgs qty- 02	(i) Refilling with ABC Powder Pressurized with Nitrogen Gas. (ii) FF Clean Agent : Strictly s per BIS 15683: 2006 ISI Mark (iii) FF 9Kgs : Seamless steel cylinder as per IS : 7285 & CC approval fitted with discharge, hose and horn with wheel type value mounted on trolley with initial charges as per IS 288:1986 ISI Mark	With 15 days from date of issue of supply order
(j)	White boards 6 ft x 4 ft - 35 Nos (For Class rooms)	Size : 6ft x 4 ft Non Magnetic	With 15 days from date of issue of supply order
(k)	Purchase of electric items (List of items mentioned in school website.)	As per Annexure – II att	With 07 days from date of issue of supply order. Annexure – II att
(l)	Maint of Synthetic Badminton Court Aprox area ; 1800 sq ft (Ref Annex – III 0f School Website)	As per Annex – III att	With 15 days from date of issue of supply order
(m)	Replacement of Deodar Doors with accessories .Size : 56.5 x 80.5 inch Total : 17 Doors	Size : 56.5 x 80.5 inch Total : 17 Doors	Within 15 days from date of issue of supply order

2.   The complete bidding process will be Offline. Hereafter, all the notifications regarding this tender notice will be published on the school website **www.apskaluchak.edu.in.**

3.   Bidding documents including details of required technical specification can be seen and downloaded from the website **www.apskaluchak.edu.in.**

4.   Tender documents can be submitted by registered post at the School's address or could be physically dropped in the Quotation Box placed at Tiger Arty Brigade Main Gate Kunjwani Chowk, Jammu (Pin-180010) latest by 1000 hrs on 20 Aug 2022. Quotation/Bid will be opened **in camera** at Conference hall Tiger Arty Bde on 20 Aug 2022 at 1100 hrs

5.   Technical Bids & Commercial bids will be submitted in separate sealed envelopes. The Commercial bids in respect of only those bidders will be considered whose Technical bids meet the required specifications/criteria.

6   Rates applicable should be valid for a period of up to next 60 days from the date of opening of the tender documents.

7.   Liquidated Damage (LD) charges @ 0.5% of the total Contract value shall be weekly levied if supply is not given within the period mentioned in supply order.

8.   The L-1 vendor will deposit performance bank Guarantee @ 2% in the form of Affidavit.

9   Commitment certificate to execute the work as per the quality mentioned in the stipulated time be provided by the vendor. If L-1 vendor is unable to complete the tender work in stipulated timeframe of the requisite quality then the same will be allotted to next L-2 vendor.

Principal, APS Kaluchak

4MP IP PTZ Camera

FOV	Horizontal field of view: 57.6 Degree to 2.5 Degree (Wide-Tele),Vertical field of view: 34.4 Degree to 1.4 Degree (Wide-Tele
Zoom Speed	Approx. 3.6 s (optical lens, wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.6 to F3.5
Focal Length	4.8 mm to 120 mm, 25x optical zoom
Max. Resolution	1920 x 1080

Product Specification

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Product Description

5-inch 4 MP 25X Powered by Dark Fighter IR Network Speed Dome
- High quality imaging with 4 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Clear imaging against strong back lighting due to 120 dB WDR technology
- Pan and tilt ability enables camera to monitor zones of interest
- 25x optical zoom allows for closer viewing of subjects in expansive areas
- Water and dust resistant (IP66)

NVR 16 CHANNEL

Specifications

Video/Audio input	IP video input	16-channel
		Up to 8 MP resolution
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
Network	Incoming bandwidth	160 Mbps
	Outgoing bandwidth	80 Mbps
Video/Audio output	Recording resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	HDMI output resolution	1-ch, 4K (3840 × 2160)/30Hz, 1920 ×1080p/60Hz, 1600 × 1200/60Hz, 1280 ×1024/60Hz, 1280 × 720/60Hz, 1024 ×768/60Hz
	VGA output resolution	1-ch, 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	1-ch, RCA (Linear, 1 KΩ)
Decoding	Decoding format	H.265/H.265+/H.264/H.264+/MPEG4
	Live view / Playback resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Synchronous playback	16-channel
	Capability	1-ch @ 8 MP / 4-ch @ 1080p
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS
Hard disk	SATA	2 SATA interface
	Capacity	Up to 6TB capacity for each disk
External interface	Network interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	USB interface	2 × USB 2.0
General	Power supply	12 VDC
	Power	≤ 18W
	Consumption (without hard disk)	≤ 10 W
	Working temperature	-10 to +55º C (+14 to +131º F)
	Working humidity	10 to 90 %
	Chassis	1U chassis
	Dimensions (W × D × H)	315 × 240 × 48 mm (12.4" × 9.4" × 1.9")
	Weight(without hard disk)	≤ 1 kg (2.2 lb)

Features and Functions

HD Input

- H.265+/H.265/H.264/H.264+ video formats
- Connectable to the third-party network cameras
- Up to 16 IP cameras can be connected
- Recording at up to 8 MP resolution
- Live view, storage, and playback of the connected camera at up to 8 MP resolution

HD Output

- HDMI/VGA simultaneous output
- HDMI and VGA independent outputs
- HDMI Video output at up to 4K (3840 × 2160) resolution

HD Storage

- 2 SATA interface connectable for recording and backup
- H.265+ compression effectively reduces the storage space and costs by up to 75%

HD Transmission

- 1 self-adaptive 10/100/1000 Mbps network interface

Various Applications

- Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras and the recording, playing back, and backing up of VCA alarms can be realized
- VCA detection alarm is supported
- Instant playback for assigned channel during multi-channel display mode
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Connect for easy network management

POE IP BULLET Camera SPECIFICATIONS

- **Image Sensor :** 1/3" Progressive Scan CMOS
- **Min. Illumination :** Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
- **Shutter Speed :** 1/3 s to 1/100,000 s
- **Slow Shutter :** Yes
- **Wide Dynamic Range :** 120dB
- **Day & Night :** IR Cut Filter
- **Angle Adjustment :** Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
- **Lens**
- **Focus :** Fixed
- **Lens Type :** 2.8/4/6/8 mm
- **Aperture :** F1.6
- **Lens Mount :** M12
- **Aperture Type :** Fixed
- **Illuminator**
- **IR Range :** Up to 30 m
- **Wavelength :** 850nm
- **Video**
- **Max. Resolution :** 2688 × 1520
- **Main Stream**

  50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720)
  60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720)
- **Video Compression :** Main stream: H.265/H.264,Sub-stream: H.265/H.264/MJPEG,Third stream: H.265/H.264
- **Video Bit Rate :** 32 Kbps to 16 Mbps
- **H.264 Type :** Main Profile/High Profile
- **H.265 Type :** Main Profile
- **H.264+ :** Main stream supports
- **H.265+ :** Main stream supports
- **Scalable Video Coding (SVC) :** H.264 and H.265 encoding
- **Web Browser :** Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
- **Alarm Trigger :** Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
- **Image**
- **Day/Night Switch :** Day/Night/Auto/Schedule

- **Target Cropping :** No
- **DNR :** 3D DNR
- **Image Enhancement :** BLC/3D DNR/HLC
- **Image Settings :** Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
- **Interface**
- **Video Output :** No
- **On-Board Storage :** Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
- **Hardware Reset :** Yes
- **Communication Interface :** 1 RJ45 10M/100M self-adaptive Ethernet port
- **Event**
- **Basic Event**Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
- **Smart Event :**Line crossing detection, intrusion detection, face detection
- **General**
- **General Function   :** Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
- **Power Supply :** 12 VDC ± 25%, Φ 5.5 mm coaxial power plug,PoE (802.3af, class 3)
- **Approval**
- **Protection   :** IP67

HARD DISC

Product Specification

Brand	:	WESTERN DIGITAL
Model Name/Number	:	4 TB HARD DISK PURPLE
Storage Capacity	:	4 TB
Memory Size	:	4 TB
Hard Drive Interface	:	USB 3.0
Warranty	:	3 YEARS
Weight	:	1 KG
Dimension/Size	:	14.73 x 10.16 x 2.54 cm
Material	:	METAL
Cloud Backup	:	DRIVE
Compatible Devices	:	SURVELLIANCE, CCTV CAMERA, COMPUTER
Operating Temp	:	45-70 DEGREE CELSIUS
Wireless	:	NO
Data Transfer Rate	:	10. /0000 PPS
Minimum Order Quantity	:	1

Product Description
- Engineered specifically for surveillance security systems
- Supports up to 180 TB per year work load rate
- Prioritized write-operations for maximized surveillance performance
- Support for more than eight bays
- Tuned for write-intensive, low bit-rate, high stream-count applications typical to most surveillance applications
- TLER and ATA streaming support
- Tarnish-resistant components
- Disk Speed: 5400 rpm, 7200 rpm
- Compatibility: WD Purple surveillance storage is built to handle up to 64 cameras per drive and is designed for 24/7, always on, high-definition surveillance security systems with more than eight bays

42 Inch Full HD Smart LED TV Specifications

Model	:	2 inch LED Full HD TV
Warranty	:	1 Year
Box Contents	:	Main Unit, Remote Controller, Attachments, Warranty Card, User Manual

Display

Size(Diagonal)	:	42 Inch
Refresh Rate	:	60 Hz
Local-Dimming	:	Yes
Resolution	:	Full HD, 1920 x 1080 Pixels
Aspect Ratio	:	16 : 9
Type	:	LED
Other Display Features	:	HDR (High Dynamic Range)

Audio

Output per Speaker:	:	20 W
Total Speaker Output	:	20 W
Sound Technology	:	Dolby Digital

Physical Design

Colour	:	Black
Stand Colour	:	Black

Connectivity /Ports

USB Ports	:	2
USB Supports	:	Audio, Video, Image
HDMI Ports	:	2

Video

Upscaling	:	Yes

Power Supply

Voltage Requirement	:	110 - 240 V
Power Consmption Standby	:	0.5 W

Smart Tv Features

Smart TV	:	Yes
Wifi Present	:	Yes
Bluetooth	:	Yes
Voice Recognition	:	Yes

Remote

Cell Requirement: 2 AAA

DETAILS OF ELEECTRIC ITEMS

SNo	Item	A/U	Qty
1	Crompton greaves Ceiling Fan 48 "	No	08
2	Anchor Tube light 4 ft	Set	12
3	Anchor Aluminum Wire 16mm 2 core	Roll	01
4	Anchor Copper Wire 2 sq mm	Roll	01
5	Anchor Copper Wire 1.5 sq mm	Roll	01
6	Anchor Copper Wire 1sq mm	Roll	02
7	Anchor Switch 5 Amp	No	35
8	Anchor Socket 5 Amp	No	10
9	Anchor Switch 15 Amp	No	04
10	Anchor Socket 15 Amp	No	04
11	Gang Box 15 Amp (2 way)	No	04
12	Gang Box 8/1 way (6 Amp)	No	04
13	Gang Box 1/1 way	No	06
14	D B Box 8 way	No	01
15	Anchor MCB 16 Amp single pole	N0	02
16	Anchor MCB 10 Amp single pole	No	04
17	Anchor SPN 40 Amp double pole	No	03
18	Flexible pipe 3/4"	Roll	1
19	Anchor Baton 2 inch	No	07
20	Anchor Baton 1 inch	No	10
21	Anchor Baton nail	Pkt	03
22	Anchor Tape Roll	Roll	03
23	MCB Box 2 way	No	02
24	Fan Rod 2.5 ft	No	08
25	Crompton Greaves Exhaust Fan 12 inch	No	04
26	Ceiling rose	No	06
27	Fan Regulator Switch type	No	08
28	Steel Screw ½ inch	pkt	1

SPECIFICATION

SUR FACE BOARD

Made of kiln seasoned treated wood finished with 21 mm thick,57 to 83 mm thick width and in random length in tongue and groove shape. The edges of the boards will have a finger lock groove and the bottom side with air pass groove and treated with special anti-termite and water resistant lacquer**.**

THE UNDER FRAME

Made of pine wood runners of 70 mm x 45 mm treated with anti-termite solution and fixed on the bottom side with 10 mm thick air- cushion pads by staple through the two wings at 350 mm c/c

THE INSTALLATION

The IPS subfloor to be treated with acrostic and a vapor barrier of 6 ml thick to be placed on the leveled IPS Sub –floor before lying the under frame. The runner having air-cushion pads to be placed on the vapor barrier in perfect level at 350 mm c/c in one direction. The surface boards will be screwed to the runners through the tongue only and will lock the screwed tongue by the groove of the adjoining boards. The ends of the boards will be locked by inserting the wooden fingers through the edge groove and fixed with suitable adhesive. An expansion gap of 8 to 10 mm will be left open between the wooden flooring and the surrounding tiled area or walls.

THE FINISHING

 After installation the floor will be machine sanded in uniform level and finished with P.U polishing water based polyurethane lacquer game line marking to be carried out in required colors before applying the finish coat.