

**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)	<p><b><u>Purchase of following items:</u></b></p> <p>(i) Teachers - qty 15 Workstation</p> <p>(ii) Lecture Stand –qty15</p>	<p><b><u>Teachers Table</u></b></p> <p><u>Size</u> : (i) 30 inch x36 inch x 27 inch</p> <p>(ii) Top : 17mm/19mm Ply Board with teak ply/Sunmica and complete polishing</p> <p>(iii) Coy : Action Tesa company</p> <p><b><u>LECTURE STAND</u></b></p> <p><u>Size</u></p> <p>(i) 24 inch x 16 inch x45 inch</p> <p>(ii) Top : 17mm/19mm Ply Board with teak ply/Sunmica and complete polishing</p> <p>(iii) Coy : Action Tesa Company</p> <p><u>All rates to be provided including GST</u></p>	<p>Within one month from date of issue of supply order.</p>
(b)	<p><b><u>Purchase of following items: -</u></b></p> <p>(i) Student Desks single seater (Min qty-100 No)</p> <p>(ii) Student Desks Double seater (Min qty-100 No)</p> <p>(iii) Supreme ornate plastic Chairs (Min qty-80 No)</p>	<p>(i) <b><u>Doubles Seater</u></b></p> <ul style="list-style-type: none"> <li>- Top Height : 30 inch</li> <li>- Length : 38 inch</li> <li>- Seater height : 18 inch</li> <li>- Top ply board : 38x14 inch</li> <li>- Seat Plywood : 38x10 inch</li> </ul> <p><u>Material</u></p> <ul style="list-style-type: none"> <li>- Action Tesa board wooden shade 1<sup>1/4</sup> inch.</li> <li>- Iron frame 1 inch sq pipe</li> <li>- Moulding with polish</li> <li>- Frame be painted with black Asian colour</li> </ul> <p>(ii) <b><u>Single Seater</u></b></p> <ul style="list-style-type: none"> <li>- Top Height : 30 inch</li> <li>- Length : 24 inch</li> <li>-Seat height : 18 inch</li> <li>-Top ply board : 24x13 inch</li> <li>-Seat Plywood : 24x9 inch</li> </ul> <p><u>Material</u></p> <ul style="list-style-type: none"> <li>- Action Tesa board wooden shade 1<sup>1/4</sup> inch</li> <li>- Iron frame 1 inch sq pipe</li> <li>- Moulding with polish</li> <li>- Frame be painted with black Asian Colour</li> </ul> <p><u>All rates to be provided including GST</u></p>	<p>Within 15 days from date of issue of supply order.</p>

(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.	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) <u>PVC Wall Paneling</u> :- (i) Water and Termite proof. (ii) Fire retardant – No (iii) Printed Paneling. (iv) Material Exterior grade PVC  (b) <u>False ceiling</u> :- (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) <u>Lighting Works</u> :- (i) LED lights 18w (Square), with modular switches & boards	Within 15 days from date of issue of supply order.
(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 Kg/cm <sup>2</sup> ).  (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).	Within one month from date of issue of supply order

(f)	<b><u>Procurement of LCD Projector qty 03</u></b>  <b><u>Accessories</u></b> 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 <sup>1/4</sup> 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	Within 15 days from date of issue of supply order.
(g)	<b><u>Procurement of CCTV Camera</u></b>  (i) Bullet Camera            qty-06 (ii) PTZ Camera              qty -02 (iii) 16 Channel NVR        qty -02 (iv) Surveillance 4 TB Hard Disk (WD)                    qty -02 (v) LED TV 42 inch         qty -02	(Specification is att at Annex- I )	With 15 days from date of issue of supply order
(h)	Purchase of COIVD-19 related expendable Medical stores :-	(i) Hand Sanitizer 5 ltrs Can        -15 Can (ii) Sanitizer spray Sodium Chloride 5 ltr cane                                - 40 Can (iii) Hand Gloves Rubber            - 300 Pcs (iv) Surgical Mask                      - 1500 Pcs (v) Surgical Hand Gloves            - 700 Prs (vi) IR thermometer                  -10 Nos (vii) Sanitizer spray bottle 500 ml - 10 Nos (viii) Stand for Sanitizer             - 05 Nos	With 10 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 Of 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
(n)	Painting ,Whitewash & Distemping of Classrooms, Corridors, Laboratories, Wash rooms ,Offices etc.	Rate should include material and labours	Within 07 days from date of issue of supply order

(o)	Procurement of Wall mounted Fans - qty-80	Name of item : Wall mounted Fan & Brand (Swing type) Material : Fibre/Light metal or allow/any sturdy material Speed : RPM should range between 1200 to 1500 or even more. Type : Wall Mounted Weight : Should range between 3 to3.5 Kgs Dimension : Outer Circumference of the blades should be from 375 mm to 425 mm	Within 07 days from date of issue of supply order.
(p)	Granite Flooring in Assembly Stage	(a) Quality Granite : High grade granite(Grade3) (b) Size : 3ft x 8 ft or 900mm to 2400mm (c) Thickness : 15 to 20mm (d) Color : variations of Grey and Black (e) Surface : polished	Within 15 days from date of issue of supply order.
	Tiling Biology Room Area 1200 Sq ft	(a) Area 1200 Sq ft (b) Size : 2ft x 2 ft (c) Make : Vitrified (d) Surface : Antiskid	Within 15 days from date of issue of supply order.
	Renovation of Badminton Court Wash rooms Boys and Girls	As per Annexure – IV att	Within 30 days from date of issue of supply order.

1. 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](http://www.apskaluchak.edu.in).

2. Bidding documents including details of required technical specification can be seen and downloaded from the website [www.apskaluchak.edu.in](http://www.apskaluchak.edu.in).

3. 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 08 Oct 2022**. Quotation/Bid will be opened **in camera** at Conference hall Tiger Arty Bde on **08 Oct 2022 at 1100 hrs**
4. 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.
10. All rates to be provided including GST

**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

<b>Video/Audio input</b>	IP video input	16-channel
		Up to 8 MP resolution
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k $\Omega$ )
<b>Network</b>	Incoming bandwidth	160 Mbps
	Outgoing bandwidth	80 Mbps
<b>Video/Audio output</b>	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 K $\Omega$ )
<b>Decoding</b>	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
<b>Network management</b>	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS
<b>Hard disk</b>	SATA	2 SATA interface
	Capacity	Up to 6TB capacity for each disk
<b>External interface</b>	Network interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	USB interface	2 × USB 2.0
<b>General</b>	Power supply	12 VDC
	Power	≤ 18W
	Consumption (without hard disk)	≤ 10 W
	Working temperature	-10 to +55° C (+14 to +131° 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
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POE IP BULLET Camera SPECIFICATIONS

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- **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

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- **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  $\pm$  25%,  $\Phi$  5.5 mm coaxial power plug, PoE (802.3af, Class 3)

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- **Approval**
- **Protection** : IP67

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## 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	:	SURVEILLANCE, CCTV CAMERA, COMPUTER
Operating Temp	:	45-70 DEGREE CELSIUS
Wireless	:	NO
Data Transfer Rate	:	10. /0000 PPS

### **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
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### **Power Supply**

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

### **Smart Tv Features**

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

### **Remote**

Cell Requirement:	2 AAA
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**Annexure- II****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	No	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 <sup>1</sup> / <sub>2</sub> inch	pkt	1

**SPECIFICATION**

**SURFACE 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 acoustic and a vapor barrier of 6 ml thick to be placed on the leveled IPS Sub-floor before laying 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.

**RENOVATION OF THE BADMINTON COURT**  
**BOYS AND GIRLS**

**Details**

(a)	Dressing Room Boys & Girls	: 250 Sq ft	} Tiling Work
(b)	Wash Room Boyas & Girls	: 104 sq ft	
(c)	Corridor Floor	: 59 sq ft	
(d)	Corridor wall	: 65 sq ft	
(e)	Toilet Sheet (English)	: 03 Nos ( 02 x Girls and 01 x Boys )	
(f)	Wash hand Basin	: 02	} one in each wash room
(g)	Mirror	: 02	
(h)	Exhaust fan	: 02	
(j)	Towel rack	: 02	
(k)	Switch Socket 5 Amp	: 02	
(l)	Light Points	: 05	
(m)	Urinal pot	: 01	

**Specification of Tiles**

(a)	Size	: 2ft x 2 ft
(b)	Make	: Vitrified
(c)	Surface	: Antiskid