

**No.F.19-11/2022-IS-6**  
Government of India  
Ministry of Education  
Department of School Education & Literacy  
(IS-6 Section)

Shastri Bhawan, New Delhi  
Dated 30<sup>th</sup> September, 2022

To

The Pr. Secretaries/ Secretaries (School Education) of all States/UTs.

**Sub:-** Accelerating the Setting up of Vidya Sameeksha Kendras in all the States and UTs – Reg.

Sir / Madam,

NEP2020 caters to a multitude of requirements along with many schemes run by the Ministry of Education that benefit different facets of education & stakeholders. But running multiple schemes brings in challenges in effective implementation due to lack of:

- a. Visibility to stakeholders - 'Ability to See' what's going on in almost real time
- b. Insights about what's happening - 'Ability to Make Sense' of what's working/what's not
- c. Coordination in driving improvements - 'Ability to Amplify Actions' through timely, coordinated efforts based on data & insights.

The ability to effectively collect, monitor, correlate, and analyse data will lead to timely actions to implement schemes. Various initiatives of the Ministry of Education like UDISE, NAS, NIPUN BARAT, DIKSHA etc. are efficient systems working in silos. Integrating various data sets and breaking through the barrier of operating in silos will help us effectively leverage different entities towards a common goal.

Vidya Samiksha Kendra (VSK) is aimed at leveraging data and technology to bring a bid leap in learning outcomes. This will cover data of more than 15 Lakh schools, 96 Lakh teachers and 26 Crore students and analyse them meaningfully using big data analysis, artificial intelligence and machine learning in order to enhance the overall monitoring of the education system and there by improving learning outcomes.

For setting up Vidya Sameeksha Kendras in all the States and UTs, the following budget has been approved during the year 2022-23 :

(Rs. In Crore)


Model and Range of Schools	No. of States and UTs	States/ UTs	Unit Cost per State/UT			Total Amount		
			Non-Recurring	Recurring	Total	Non-Recurring	Recurring	Total
Model I (<1000 Schools)	5	Andaman & Nicobar Islands, Chandigarh, Daman & Diu & Dadra & Nagar Haveli, Lakshadweep, Puducherry,	1.7	0.3	2.0	8.5	1.5	10.0
Model II (>1000 and ≤5000)	8	Arunachal Pradesh, Goa, Ladakh, Manipur, Mizoram, Nagaland, Sikkim, Tripura	2.5	0.5	3.0	20.0	4.0	24.0
Model III (>5000 and ≤30,000)	6	Delhi, Haryana, Jammu & Kashmir, Meghalaya, Punjab, Uttarakhand	3.2	0.8	4.0	19.2	4.8	24.0
Model IV (>30,000)	10	Andhra Pradesh, Assam, Bihar, Chhattisgarh, Jharkhand, Karnataka, Tamil Nadu, Telangana, Uttar Pradesh, West Bengal	4.2	0.9	5.0	41.5	8.5	50.0
<b>Total</b>						<b>89.2</b>	<b>18.8</b>	<b>108.0</b>

Already Central VSK has been established at CIET, NCERT and starter pack for States / UTs is also developed by CIET, NCERT for helping the States and UTs to get their VSK going. For any assistance regarding the Starter Pack and for any technical issues CIET, NCERT can be consulted by all the States and UTs.

In order to accelerate the setting up of the VSKs, a roadmap has been prepared only as an illustration. Suggested Video Wall solutions have also been worked out and the Specs / cost is also shared only as an illustration and not as a norm and States / UTs are having total flexibility in setting up the VSK and States / UTs are encouraged to be innovative in setting up the VSK.

This is issued with the approval of competent authority.

**Encl: As above**

  
(Dr. E. Naveen Nicolas)  
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**Copy to:-**

1. The Commissioner / Director / State Project Directors of Samagra Siksha of all the States and UTs
2. JD, CIET, NCERT, New Delhi.

**ROADMAP FOR ACCELERATING THE SETTING UP OF VSK (ONLY FOR ILLUSTRATION)**

Phase	Typical Duration	Key Outputs
Phase 1: Getting Started	1 month	<ol style="list-style-type: none"> <li>1. Appointment of Nodal officer</li> <li>2. Leverage the starter pack shared by NCERT and NIC to get the VSK going quickly.</li> <li>3. Participate in workshops with NCERT-NIC to demystify NDEAR compliant VSK and understand how to go about it.</li> </ol>
Phase 2: Defining and Planning	1 month	<ol style="list-style-type: none"> <li>1. Identify Key Programs and key metrics against which State / UT would like to drive actions and improve them.</li> <li>2. Define contours for physical Infrastructure and hardware that will enable the VSK.</li> <li>3. Establish the specifications for hardware and software keeping NDEAR compliance in purview</li> <li>4. Identify the skill sets and experience needed to manage &amp; run the VSK</li> </ol>
Phase 3: Engaging	1 month	<ol style="list-style-type: none"> <li>1. Set up the relevant teams on the program, data, hardware, software side.</li> <li>2. Create a plan with them to enable them to take the right actions.</li> </ol>
Phase 4: Go LIVE	1-2 months	<ol style="list-style-type: none"> <li>1. Deploy physical &amp; digital infra like Video Wall, Hardware, Software etc.</li> <li>2. Deploy the team to run campaigns</li> </ol>
Phase 5: Roll Out	1 month	<ol style="list-style-type: none"> <li>1. Initiate the pilot to run campaigns by taking requisite actions using emitted data.</li> <li>2. Set up mechanisms to distribute data across locations and stakeholders to enable localised and targeted actions as per the insights.</li> </ol>
Phase 6: Expand	1-3 months	<ol style="list-style-type: none"> <li>1. Expand the distribution of analytical insights to different stakeholders at different levels</li> <li>2. Configure more programs, datasets &amp; campaigns.</li> <li>3. Can further enhance the software and hardware capabilities to meet the needs.</li> </ol>

VIDEO WALL SOLUTIONS (ONLY FOR ILLUSTRATION)

Sl.No	Details	Cost (In Lakhs)	Remarks
1	Video wall solution – 1 (2X2 display)	Rs. 41.15	Details enclosed in Annexure – III
2	Video wall solution – 2 (3X3 display)	Rs. 65.22	Details enclosed in Annexure – IV
3	Video wall solution – 3 (136 Inch display)	Rs. 95.42	Details enclosed in Annexure – V

Videowall Solution				
Sr.	Description	Qty	Unit	
1	2X2 Display 0.88 Bezel,atawall Display full HD,500 nits,Contrast Ratio 1100:1,Colour Depth 1.07 10 Bit rate,response 8 mill,an port in and Out,DP in and out put port,2 HDMI port.	1	Nos.	1650000
2	Wall Management software for 24/7 Running Critical applications Command and Control Software Graphical user and Interface user friendly User Interface Software and Programming. Select the logic symbols the system will require, assign signals to those symbols, and connect the signals to other symbols or devices as determined by the program. Software should be able to provide custom layouts for BMS Systems, Access Control, CCTV Monitoring, Fire Alarm, HVAC with annotation on Sources.	1	Nos.	235000
3	10.1 Touch Panel for AV Controlling, stylish and versatile wall mount touch screen featuring web browsing with Built-in Software Videowall, custom-programmable icons, H.265/H.264 streaming video, WiFi Network, POE 400 Nits, Contrast ratio 1000:1, Aspect Ratio 16:10, viewing angle ±80° horizontal & ±80° vertical, 5-point Multitouch, Voice Recognition, Ram 2GB, 100 Mbps, auto switching, auto negotiating, auto discovery & Cloud management.	1	Nos.	135000
4	Switcher for Multiple Input and Out Connectivity 8 Port-In and Out, Handles HDMI devices with Deep Color, 3D, 4K, and high-bitrate 7.1 encoded audio,Enables high-performance H.264 streaming from any Input source up to 1080p, HDCP 2.2 Compliant, Modular Inputs support a complete range of digital, analog, and streaming signal types, Web Browsed Controller Support 4K@60 4:4:4, USB I/O extension for a local keyboard/mouse or computer, AV signal format management,Via EDID & Cloud management.	1	Nos.	950000
5	Room Controller and AV Switching 2 Gb Ram and 8GB Flash Memory, Supports SD and SDHC cards up to 32 GB and USB storage-Support 1 TB, iPhone, iPad, and Android device control app support, computer and web based control, Onboard IR/serial, COM, I/O, relay, IPv6 Ready, Bacnet Support, Built in SNMP V3 Support Etc., Active Directory service authentication, controllable thru PC, 1000 Mbps, auto-switching, auto-negotiating, auto-discovery & Cloud management.	1	Nos.	150000
6	AV Network Switch 24 Port With 10G ModularPre-configured for Out-of-Box L2 Multicast (SDVoE-ready)Prevent network flooding with effortless multicast implementation of Layer 2 Multicast	1	Nos.	225000
7	Wireless Data sharing Solution HDMI Input for direct connection of a mini-PC or other local source, or portable laptop computer via an optional wall plate or cable. The HDMI Input supports HD 1080p signals, HDCP 1.4 compliant Input & output, device control via CEC, IR, or RS-232, compatible with IOS, Android, Windows, macOS, Chrome OS etc., mirracast support, PoE Powered & Cloud management.	1	Nos.	175000
8	AOC HDMI 18 GHZ Cable 15 Meter	8	Nos.	29500
9	Network Access Point Dual band Wifi 6	1	Nos.	22000
10	Server rack 42 U 1200X1200	1	Nos.	52000
11	Sound Mixer and 2.1 Speaker	1	Nos.	135000
12	Installation and Training	1	Nos.	150000
Total				4115000

# Annexure - IV

Videowall Solution					
Sr.	Description	Qty	Unit	Unit Price (INR)	Amount (INR)
1	3X3 Display 1.8 Bezel,atawall Display full HD .500 nits,Contrast Ration 1100:1,Colour Depth 1.07 10 Bit rate,response 8 mil,Lan port In and Out,DP In and out put port,2 HDMI port	1	Nos.	2950000	2950000
2	Wall Management software for 24/7 Running Critical applications Command and Control Software-Graphical user and Interface user friendly User Interface Software and Programming. Select the logic symbols the system will require, assign signals to those symbols, and connect the signals to other symbols or devices as determined by the program .Software shoule be able to provide custom layouts for BMS Systems, Access Control, CCTV Monitoring, Fire Alarm, HVAC with anotation on Sources.	1	Nos.	235000	235000
3	10.1 Touch Panel for AV Controlling stylish and versatile wall mount touch screen featuring web browsing with Built-In Software Videowall, custom-programmable icons, H.265/H.264 streaming video, WiFi Network, POE 400 Nits, Contrast ratio 1000:1, Aspect Ratio 16:10, viewing angle ±80° horizontal & ±80° vertical; 5-point Multitouch, Voice Recognition, Ram 2GB, 100 Mbps, auto switching, auto negotiating, auto discovery & Cloud management	1	Nos.	135000	135000
4	Matrix Chasis Based Switcher for Multiple Input and Out Connectivity 16 Port in and Out, Handles HDMI devices with Deep Color, 3D, 4K, and high-bitrate 7.1 encoded audio,Enables high-performance H.264 streaming from any input source up to 1080p, HDCP 2.2 Compliant, Modular inputs support a complete range of digital, analog, and streaming signal types, Web Browsed Controller Support 4K@60 4:4:4, USB HID extension for a local keyboard/mouse or computer, AV signal format management via EDID & Cloud management.	1	Nos.	1650000	1650000
5	Room Controller and AV Swiatching 2 Gb Ram and 8GB Flash Memory, Supports SD and SDHC cards up to 32 GB and USB storage.Support 1 TB, iPhone, iPad, and Android device control app support, computer and web based control, Onboard IR/serial, COM, I/O, relay, IPv6 Reday, Bacnet Support, Built in SNMP V3 Support Etc, Active Directory service authentication, controllable thru PC, 1000 Mbps, auto-switching, a auto-negotiating, auto-discovery & Cloud management.	1	Nos.	150000	150000
6	AV Network Switch 24 Port With 10G ModualPre-configured for Out-of-Box I2 Multicast (SDVoE-ready)Prevent network flooding with effortless multicast implementation of Layer 2-Multicast	1	Nos.	225000	225000
7	Wireless Datasaring Solution HDMI Input for direct connection of a mini-PC or other local source, or portable laptop computer via an optional wall plate or cable. The HDMI input supports HD 1080p signals, HDCP 1.4 compliant Input & output, device control via CEC, IR, or RS-232, compatible with iOS, Android, Windows, macOS, Chrome OS etc., miracast support, PoE Powered & Cloud management.	1	Nos.	175000	175000
8	AOC HDMI 18 GHZ Cable 15 Meter	15	Nos.	29500	442500
9	Network Access Point Dual band Wifi 6	1	Nos.	22000	22000
10	Server rack 42 U 1200X1200	1	Nos.	52000	52000
11	Sound Mixer and 2.1 Speaker	1	Nos.	135000	135000
12	Installation and Training	1	Nos.	350000	350000
<b>Total</b>					<b>6521500</b>

# Annexure - V

Videowall Solution		Qty	Unit	Unit Price (INR)	Amount (INR)
1	136 Inch LED Zero Bezel, Datawall Display full HD	1	Nos.	650000	650000
2	Data Wall Processor with require input and Out put	1	Nos.	1550000	1550000
3	Wall Management software for 24/7 Running Critical applications Command and Control Software Graphical user and Interface user friendly User Interface Software and Programming. Select the logic symbols the system will require, assign signals to those symbols, and connect the signals to other symbols or devices as determined by the program Software should be able to provide custom layouts for BMS Systems, Access Control, CCTV Monitoring, Fire Alarm, HVAC with annotation on Sources.	1	Nos.	435000	435000
4	10.1 Touch Panel for AV Controlling stylish and versatile wall mount touch screen featuring web browsing with Built-in Software Videowall, custom-programmable icons, H.265/H.264 streaming video, Wifi Network, POE 400-Nits, Contrast ratio 1000:1, Aspect Ratio 16:10, viewing angle ±80° horizontal & ±80° vertical, 5-point Multitouch, Voice Recognition, Ram 2GB, 100 Mbps, auto switching, auto negotiating, auto discovery & Cloud management.	1	Nos.	135000	135000
5	Room Controller and AV Switcing 2-Gb Ram and 8GB Flash Memory, Supports SD and SDHC cards up to 32 GB and USB storage Support 1 TB, iPhone, iPad, and Android device control app support, computer and web based control, Onboard IR/serial, COM, I/O, relay, IPv6 Reday, Bacnet Support, Built in SNMP V3 Support Etc, Active Directory service authentication, controllable thru PC, 1000 Mbps, auto-switching, auto-negotiating, auto-discovery & Cloud management.	1	Nos.	150000	150000
6	AV Network Switch 24 Port With 10G Modual Pre-configured for Out-of-Box L2 Multicast (SDVoE-ready) Prevent network flooding with effortless multicast implementation of Layer 2 Multicast	1	Nos.	225000	225000
7	Wireless Datasharing Solution HDMI input for direct connection of a mini-PC or other local source, or portable laptop computer via an optional wall plate or cable. The HDMI input supports HD 1080p signals, HDCP 1.4 compliant Input & output, device control via CEC, IR, or RS-232, compatible with iOS, Android, Windows, macOS, Chrome OS etc, miracast support, PoE Powered & Cloud management.	1	Nos.	175000	175000
8	AOC HDMI 18 GHZ Cable 15 Meter	5	Nos.	29500	147500
9	Network Access Point Dual band Wifi 6	1	Nos.	22000	22000
10	Server rack 42 U 1200X1200	1	Nos.	52000	52000
11	Installation and Training	1	Nos.	150000	150000
<b>Total</b>					<b>9545000</b>