

## Smart Schools Investment Plan - 2016-17 Version (Original) - ERCSDSSIP-PHASE01-Amendment

SSIP Overview

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**Institution ID**

800000039112

1. Please enter the name of the person to contact regarding this submission.

Azhar Ahmad

- 1a. Please enter their phone number for follow up questions.

8455776087

- 1b. Please enter their e-mail address for follow up contact.

azhar@ercsd.org

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved Smart Schools Investment Plan.

Amended submission

3. All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

☒ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.

By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ Parents

☒ Teachers

☒ Students

☒ Community members

- 4a. If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

☒ Yes

☐ No

☐ N/A

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5. **Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.**

- ☒ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
- ☒ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
- ☒ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
- ☒ The district prepared a final plan for school board approval and such plan has been approved by the school board.
- ☒ The final proposed plan that has been submitted has been posted on the district's website.

- 5a. **Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.**

ERCSDSSIP-PHASE01 approved.pdf

- 5b. **Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.**

[http://www.ercsd.org/files/\\_PbIMh\\_/34350cd925be7f613745a49013852ec4/Attachment\\_P\\_-\\_Preliminary\\_SMART\\_School\\_Investment\\_Plan.pdf](http://www.ercsd.org/files/_PbIMh_/34350cd925be7f613745a49013852ec4/Attachment_P_-_Preliminary_SMART_School_Investment_Plan.pdf)

6. **Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

10,600

7. **An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.**

- ☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. **Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.**

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

9. **Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.**

(No Response)

10. **Your district's Smart Schools Bond Act Allocation is:**

\$6,105,668

11. **Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is \$0, you will not be required to complete that survey question.**

	Sub-Allocations
School Connectivity	0
Connectivity Projects for Communities	

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	Sub-Allocations
	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	247,864
<b>Totals:</b>	<b>247,864</b>

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## High-Tech Security Features

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1. **Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**

we are submitting amendment to the SSIP since initial scope of work did not cover all the classrooms in the district and was based on an initial proposal from shore tel solutions, we later decided Cisco UNC is the best out there ( we went from 400 IP phones to 1000 Cisco IP phones ) and will complement the not just the (Informacast) paging system but the high tech cameras and other security apparatus that will be installed in the future. we needed a district-wide integration of the phone and paging system, Safety and security are one of the top priorities and we wanted a system that can cover the entire district and can be a supported in the future.

We propose investing in a Cisco unified communication platform VoIP solution with inform cast system that will include PA Capabilities to support an IP intercom system, this thorough upgrade of our security features, and extending the coverage of the High Definition Cameras on our premises will ensure a safe environment for students and school community in general. Our initiative will furnish the installation, equipment, engineering, licensing, and start-up labor for access control and surveillance system, as outlined in our SSBA goals and detailed below:

- Main entrance electronics security system, including addition of new IP cameras for each elementary and intermediate school building and administration building; replacement of existing cameras in secondary school buildings; installation of new HP Dual VM session servers for storage of digital security data and media (each server with 60 terabytes of storage), visitor management system, and Access Control Manager server software licenses for doors. Installation of **the new access control panel and door equipment** at 20 access control doors at secondary school buildings, including new electronic locks, card readers, new door contacts, and request-to-exit motion sensor.
- Give each and every classroom a Cisco VOIP phone with paging and alerting capabilities
- Integration of single wire Informacast paging system which among other things will give district capabilities to Trigger alert for phone soft keys, call buttons, keyboard function keys, and low-voltage relay buttons to notify the proper personnel in case of an emergency mass notification.
- Inform key personnel of emergency situations and facilitate swift building evacuations through comprehensive emergency mass notification. Automatically dial your team to easily organize a response. Notify mobile users to stay away from the building
- Perform a facility-wide lockdown in the event of an emergency by sending a live or prerecorded mass notification from a desk phone, mobile phone, or dedicated panic button, and activate physical security or lighting systems to secure buildings.

Over 1000 classroom and administrative phones, with LCD screen with the InforamaCast emergency notification system.

Singlewire offers the InformaCast Advanced to send messages to devices within a building or campus. The solution included in the proposal and can send a mass alert and notification to all the IP phones in the district including lockdown alerts to a single hallway to all the buildings in the district.

**Yes, it is a district-wide deployment**, while we will have a server or an appliance in each building it will be controlled centrally at the core sites. The system will have the ability to alert the main point of contacts as the head of security, superintendent, police, a principal in case an alert is initiated.

The main safety and security benefits of the systems are

Police are contacted with critical information; location and cause

- » All perimeter doors are secured, card and electronic access disabled
- » The door ajar notification system checks doors and notifies staff
- » Automatic trigger of pre-recorded lockdown message over the PA-Radio Systems
- » The customizable LockDown message is displayed on all computer screens
- » IP phones display the LockDown message and play an audible LockDown Message
- » Integrated 3rd Party alerts parents and students off campus by email, text, and phone

2. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

**Please indicate on a separate row each project number given to you by the Office of Facilities Planning.**

Project Number
50-04-02-06-7-999-002
50-04-02-06-7-999-BA1

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## 3. Was your project deemed eligible for streamlined Review?

- ☒ Yes  
☐ No

3a. Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☒ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

## 4. Include the name and license number of the architect or engineer of record.

Name	License Number
Jack Eisenbach	59445

## 5. If you have made an allocation for High-Tech Security Features, complete this table.

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0
Electronic Security System	247,864
Entry Control System	0
Approved Door Hardening Project	0
Other Costs	(No Response)
<b>Totals:</b>	<b>247,864</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	PM20800 Lot 1, 2, & 4-ASV-CSC-COLLAB-NEW-100-Configuration of up to 100 Collaboration Users	10.00	1,250	12,500
Electronic Security System	PM20800 Lot 1, 2, & 4-ASV-CSC-COLLAB-NEW-CORE-Collaboration Core	1.00	21,500	21,500
Electronic Security System	PM20800 Lot 1, 2, & 4-ASV-CSC-COLLAB-NEW-ICAST-SingleWire InformaCast	1.00	22,000	22,000
Electronic Security System	PM20800 Lot 1, 2, & 4-ASV-CSC-	1.00	4,000	4,000

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	COLLAB-NEW-TRNEU-Collaboration Training for First 50 End Users			
Electronic Security System	PM20800 Lot 1, 2, & 4-BE6K-START-UWL35-BE 6000 - User License Starter Bundle with 35 UWL Licenses	1.00	433	433
Electronic Security System	PM20800 Lot 1, 2, & 4-BE7M-M4-K9-Cisco Business Edition 7000M Svr (M4), Export Restricted SW	1.00	10,294	10,294
Electronic Security System	PM20800 Lot 1, 2, & 4-CP-7800-WMK--Spare Wallmount Kit for Cisco UC Phone 7800 Series	500.00	34	17,000
Electronic Security System	PM20800 Lot 1, 2, & 4-CP-7841-K9--Cisco UC Phone 7841	956.00	154	147,224
Electronic Security System	PM20800 Lot 1, 2, & 4-CP-8865-K9--Cisco IP Phone 8865	56.00	334	18,704
Electronic Security System	PM20800 Lot 1, 2, & 4-FL-4330-PERF-K9-Performance on Demand License for 4330 Series	2.00	75	150
Electronic Security System	PM20800 Lot 1, 2, & 4-FL-CME-SRST-100-SRST-100 Seat License (CME uses CUCME Phone License ONLY)	3.00	995	2,985
Electronic Security System	PM20800 Lot 1, 2, & 4-FL-CME-SRST-25-SRST-25 Seat License (CME uses CUCME Phone License ONLY)	22.00	282	6,204
Electronic Security System	PM20800 Lot 1, 2, & 4-FL-CME-SRST-5-SRST-5 Seat License (CME uses CUCME Phone License ONLY)	3.00	74	222
Electronic Security System	PM20800 Lot 1, 2, & 4-IPTA-IC1000-InfomaCast Advanced Notification - Endpoint Licensing - 1000 License Bundle	1.00	15,248	15,248
Electronic Security System	PM20800 Lot 1, 2, & 4-IPTA-IC50-InfomaCast Advanced Notification - Endpoint Licensing - 50 License Bundle	1.00	1,295	1,295
Electronic Security System	PM20800 Lot 1, 2, & 4-IPTA-IC-R-InfomaCast Resiliency - Per Endpoint	1,050.00	4	4,200
Electronic Security System	PM20800 Lot 1, 2, & 4-IPTA-M1Y-C-1 Year Maintenance - Per End Point License - 1000 License Tier	1,050.00	5	5,250
Electronic Security System	PM20800 Lot 1, 2, & 4-IPTA-PG-APL-	16.00	467	7,472

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	Paging Gateway Hardware Appliance (One per Remote Site)			
Electronic Security System	PM20800 Lot 1, 2, & 4-IPTA-PI-PG- InformaCast Paging Gateway Plug-- .In (One per InformaCast Server)	1.00	553	553
Electronic Security System	PM20800 Lot 1, 2, & 4-ISR4321-V/K9- Cisco ISR 4321 Bundle, w/UC License, CUBE-10	12.00	1,339	16,068
Electronic Security System	PM20800 Lot 1, 2, & 4-ISR4331-V/K9- Cisco ISR 4331 UC Bundle, PVD4- 32, UC License, CUBE10	2.00	2,163	4,326
Electronic Security System	PM20800 Lot 1, 2, & 4-ISR4331- VSEC/K9-Cisco ISR 4331 Bundle with UC & Sec Lic, PVD4-32, CUBE-10	2.00	2,617	5,234
Electronic Security System	PM20800 Lot 1, 2, & 4-LIC-CUCM- 11X-ENH-A-UC Manager-11.x Enhanced Single User License	900.00	89	80,100
Electronic Security System	PM20800 Lot 1, 2, & 4-LIC-CUCM- 11X-ESS-A-UC Manager-11.x Essential User License	50.00	17	850
Electronic Security System	PM20800 Lot 1, 2, & 4-NEW-UWL- 11X-S-SLED-New CUWL Std Edition 11.x Usr, SLED/Govt/Edu Only, 1 Usr	65.00	141	9,165
Electronic Security System	PM20800 Lot 1, 2, & 4-NIM- 2FXS/4FXO-2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module	18.00	606	10,908
Electronic Security System	PM20800 Lot 1, 2, & 4-PS-IPT-SVS3- Configuration of New Site	15.00	5,500	82,500
Electronic Security System	PM20800 Lot 1, 2, & 4-PVDM4-32U64- PVDM4 32-channel to 64-channel factory upgrade	1.00	692	692
Electronic Security System	PM20800 Lot 1, 2, & 4-UNITYCN11- STD-USR-One Unity Connection 11.x User - All user Features-eDelivery	900.00	33	29,700
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Labor to install, Program Cover Systems & Recycling of Existing phone system	-1.00	99,945	-99,945
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System	-4.00	1,682	-6,728

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	ST100A Voice Switches			
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System	-3.00	1,051	-3,153
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System SG30 Voice Switches	-10.00	838	-8,380
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System ST2D Voice Switch	-1.00	2,838	-2,838
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System ST1D Voice Switches	-2.00	1,577	-3,154
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System 144 Analog Voice Switch Bundles	-4.00	17,040	-68,160
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System 24A Analog Voice Switch	-1.00	1,574	-1,574
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Rack Mounting Trays	-19.00	65	-1,235
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Additional Site Licenses	-15.00	260	-3,900
Electronic Security System	UENS Distributed Voice Service License	-1.00	523	-523
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System IP 655 - Color, 12 Button Phones	-10.00	532	-5,320
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System IP 480 - 8 Button Phones	-360.00	198	-71,280
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System IP 420 - 2 Button Phones	-30.00	94	-2,820
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System IP 420 Wall Mounting Kits	-30.00	15	-450
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Built-in Essentials License	-400.00	130	-52,000

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Overhead Paging Adapters	-7.00	45	-315
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Built-in Courtesy Licencse	-24.00	52	-1,248
Electronic Security System	Unified Emergency Notifications, Announcement, PA & VOIP System Emergency Notification Software	-1.00	2,890	-2,890
Electronic Security System	Cisco Unified communication Platform, Labor to install wall mount and VOIP phones on wall, terminal plates, labeling etc	1,000.00	47	47,000