

Request for Proposal

Project Name: St. Pius X College Campus Wide Surveillance

The Rector of St. Pius X College, Goregaon hereby invites tenders to be submitted for a CCTV surveillance system to be installed on campus. The specifications of the system and architecture are detailed below.

1. **The Objectives and Requirements**

The system requirements are:

- To deploy campus wide Video Surveillance across St. Pius X College Premises including Main Building
- Solution will consist of IP cameras as well as CCTV analog cameras
- All Cameras can be viewed at centralized control room location
- Optical Fibre Cable (OFC) Network across the campus
- Perimeter, roads as well as entry gate secured with high resolution IP cameras
- Recording duration: 25 Days to 30 days

2. **Specifications of Technologies**

The indoor monitoring system will be HD Analog based
External/perimeter will be monitored by IP Cameras

3. **Network Design Architecture**

a. Main building:

All the floors will have analog CCTV cameras and DVR will be kept in Centralised control room in the Main building.

Camera Specs:

CCTV Dome: 1MP or higher indoor

CCTV Bullet: 1MP or higher outdoor

DVR Specs:

16 channel DVR with 2 or 4 slots for HDDs each slot supporting up to 6Tb of capacity.

b. Football Ground:

The ground is covered from all four sides by perimeter cameras with high resolution cameras (3MP) to monitor activity on the playground. Cameras will be connected to centralised control room location for recording over the OFC network.

c. Main gate and Entry Points:

All the gates and entry/exit points will have high resolution cameras (3MP) and they will be connected to centralised control room location for recording over the OFC network. The cameras will be mounted either on walls or electric poles located across the campus.

d. Roads (inside Campus):

High resolution IP cameras will be mounted on electric poles on the internal campus roads to monitor activity.

e. Perimeter Surveillance:

The solution will have High resolution IP cameras placed across the perimeter to monitor activity as well as motion detection feature enabled to keep track of any random movements.

f. Centralized Control Room:

Centralized monitoring will happen from the control room location in the main building. All the OFC cables from all locations across the campus will be terminated at this location.

The control room requirements:

Size: 8 feet * 6 feet

Air Conditioning will be provided as required

Equipment in Control room:

32U Rack

16 channel DVR

32 or 64 Channel NVR for IP camera recording

PoE switch for IP cameras

12V 20A SMPS

65 inch LED TV screen for Monitoring

Fiber Splicing Tray

UPS with 2-hour Backup

g. At Fiber Junction Points:

Either on the ground or wall mounted junction box will be deployed for OFC termination & extending the PoE for the perimeter cameras. Junction box will draw power from the nearest electrical pole. Each junction box will have 100W stabilizer to prevent devices from surge current. OFC termination box will require media converter and PoE switch for the cameras around the periphery and the roads.

The cables to be use for outdoor installation are armored cables (OFC or CAT-6).

The cables to be use for indoor CCTV installation are 4+1 cable.

h. Video Recording:

Digital Video Recording: HD DVRs will be used for recording for all in-building CCTV analog camera installation 8 channel or 16 channel DVRs will be deployed locally in the building. These will be connected to Centralized control room over OFC network.

Network Video Recorders: HD recording NVRs will be used for recording of all HD IP cameras across the campus. All the cameras will be connected to NVR over the OFC network to NVRs. Recording time min. 25 to 30 days. Recording for all sensitive areas will be recorded at 25fps and other areas at 15 fps.

Camera Specs:

CCTV dome: 1MP or higher indoor cameras with 3.6mm lens

CCTV Bullet: 1MP or higher outdoor cameras with 3.6mm or 6mm lens

Bullet IP camera: 1MP or higher outdoor Cameras with 3.6mm or 6mm lens

Night vision capabilities for all cameras

i. Software requirements

The system configuration should include software package required to monitor and review/playback. All access to the network should be via SSL.

Access should also be enabled via Android/iOS mobile apps or a browser.

4. Scope of Work

The successful bidder will work with the Management and Project Consultant to finalize a design for the network, bill of materials and implementation schedule. The vendor will supply, install, commission, train and otherwise complete all works necessary for the successful implementation of the CCTV surveillance system to the complete satisfaction of the management of the institution.

The vendor will also provide as-built drawings, detailed network architecture, listing of all equipment supplied, model number, serial number and location of installation prior to acceptance of the system by the management.

The institution may choose at its discretion, to have its own contractor do the electrical and wiring work per the direction provided by vendor.

5. Pricing & Qualification Matrices

The attached annexure has a bill of material list as well as a second sheet for references and bidder company details.

Warranty: The RFP response must specify the warranty period for all hardware provided

Annual Maintenance Contract: The management is desirous of a comprehensive contract that will cover 1 preventive maintenance visit each quarter to the campus as well as any incident based repair/replacement for all hardware supplied under this contract.

Payment Terms:

- 50% of invoiced amount for hardware will be paid on delivery of the same to the institution
- 50% of remaining invoiced amount for hardware will be paid on completion of the project and requisite approvals
- 50% of invoiced amount for services will be paid on completion of the project and requisite approvals

- 50% of invoiced amount for services will be paid 3 months after completion of the project.

6. Important Dates

Last date for submission of queries	29 th July, 2016 at 12:00pm
Deadline for submission of your RFP response	1 st August by 5pm
Opening of responses from bidders	2 nd August at 10am
Invitation to qualified bidders for campus survey	10 th August by 5pm

All queries / submissions to be sent electronically to franiceto@hotmail.com with a copy to kevin@intellinects.com A duly signed and sealed copy of the same must be provided to:

Fr. Aniceto Pereira
Rector - St. Pius College
1, Western Express Hwy
Hanuman Tekdi
Goregaon, Mumbai 400 063

7. Bidder Profile Requirements

Interested bidders must meet the following minimum criteria in order to be considered for negotiations and award of contract.

- Company Revenues: The company must have a minimum revenue of Rs.1,00,00,000 (Rupees One Crore only) in each of the preceding three years. If bidder is part of a consortium, then the exact nature of the relationship between the parties must be clearly mentioned and projects of similar scope and size will be used as reference only.
- Project Portfolio and References: In the pricing Annexure, number of projects of different sizes using mentioned technology/equipment must be cited along with client references.
- The Bidding firm/company/vendor must be a registered company under Indian Company Act 1956.
- Kindly provide copies of references as detailed in the Annexure.

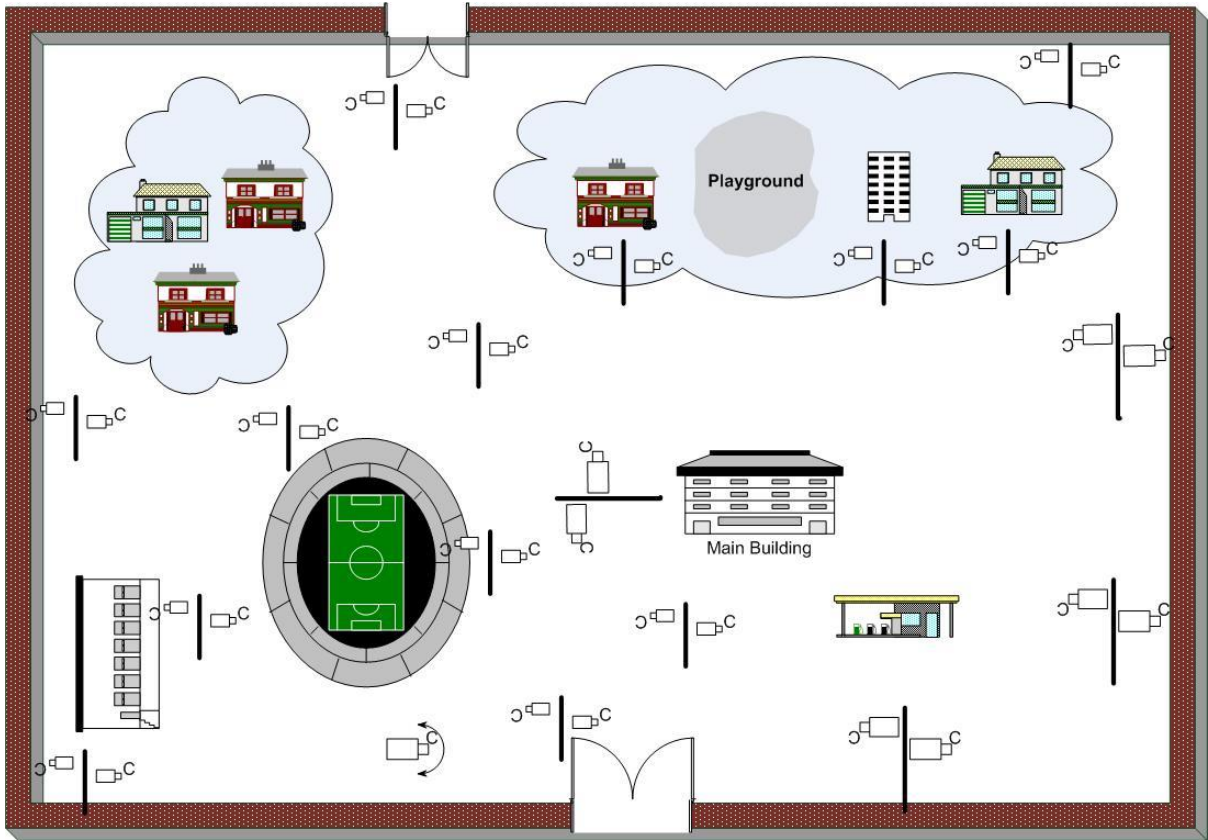
8. Other Terms and Conditions

- Interested bidders must submit a demand draft in the amount of Rs.5,000/- (Rupees Five Thousand only) drawn in favour of **St. Pius College** along with their RFP response. The RFP response should be submitted in duplicate hard copy and duplicate CD copies.
- The management retains the right to change the quantity of materials in the Annexures provided and to implement the project in a phased manner for budgetary or any other constraint.
- The decision of the Management in the award of the contract is final and binding. By submitting your RFP response you are accepting their right to award the contract at their sole discretion and without recourse to mediation or arbitration or any other legal remedy.
- The College reserves the right to reject any and / or every tender without assigning any reason whatsoever and/or place order on one or more Bidders

and/or carry out negotiations with any bidder in the manner considered appropriate by the College. College also reserves right to reject any unworkable offer.

- e. Bidders may have to visit the College for negotiations / clarifications if required at their own cost, in respect of their quotations without any commitment from the College.
- f. The works must commence within one week of award of contract and delivery of material no later than 3 weeks from award of contract
- g. Total duration for implementation is 6 weeks from the receipt of material on site.

ANNEXURE - 1
Schematic of Campus Layout.



ANNEXURE - 2
Plan of Campus Layout.

**ST. PIUS COLLEGE,
ARREY ROAD,
GOREGAON (EAST),
MUMBAI.**

SCALE - 1 : 2000
DATE - 11 / 02 / 2010



SAINT PIUS PLOT (A) AREA = 92380.16 SQ.M. (INCLUDING BOUNDARY WALL) = 22.82 ACRES
SARVODAYA PLOT PLOT (B) AREA = 3969.65 SQ.M. (INCLUDING BOUNDARY WALL) = 0.98 ACRES
PRAKASH-KIRAN PLOT PLOT (C) AREA = 1700.69 SQ.M. (INCLUDING BOUNDARY WALL) = 0.42 ACRES
SAINT PIUS (BASKET BALL GROUND) PLOT (D) AREA = 1686.60 SQ.M. (INCLUDING BOUNDARY WALL) = 0.41 ACRES
FIAMIC BIO-MEDICAL CENTER PLOT (E) AREA = 2039.94 SQ.M. (INCLUDING BOUNDARY WALL) = 0.50 ACRES
SAINT PIUS (OPEN AREA) PLOT (F) AREA = 5101.91 SQ.M. (INCLUDING BOUNDARY WALL) = 1.26 ACRES
NIRMALA NIKETAN PLOT (G) AREA = 9523.81 SQ.M. (INCLUDING BOUNDARY WALL) = 2.35 ACRES
SAINT PIUS (OPEN AREA) PLOT (H) AREA = 3153.80 SQ.M. (INCLUDING BOUNDARY WALL) = 0.77 ACRES

TOTAL PLOT AREA = 119556.56 SQ.M.
TOTAL PLOT AREA = 29.54 ACRES

TEL: 022-2610
R.G. & ASSOCIATES
LAND SURVEYORS
A/3, KHEENAGHRI NEAR NATIONAL PARK,
KULUPWADI ROAD, BORIVLI (E), MUMBAI-40.