

*Progressive Education Society's*

**Modern College of Arts, Science and Commerce,  
Shivajinagar, Pune-411005**

# **FIRE SAFETY AUDIT**

May 2015



Progressive Education Society's

**MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE**  
Shivajinagar, Pune 411 005.

- NAAC Re-accredited 'A' Grade
- 'College with Potential for Excellence', UGC
- 'Best College Award', SPPU
- 'Star College Status', DBT
- UGC : BSR & DST : FIST Funded
- 'Community College Scheme', UGC

**Dr. R. S. Zunjarrao**  
M.Sc. Ph.D.  
**PRINCIPAL**

- P.U. AFFILIATION No. (Id No. PU/PN/ASC/022(1970))
- U.G.C. RECG.NO. included U/S 2 (F) of the U.G.C. Act 1956, Letter No. F.13-371(CD) dated 1st Sept.71
- Govt. RECG. No. D.E.M.S. Pune Oct. 77, Code No. PA/ASC-13.
- Jr. College Permission No. HSC/1077/31029/XII-HS dt/ 4-5-77, HSC College Code No. J-11.11.005.

Ref. No. : MCASC/

Date : 11/09/2016

To,  
**SURAJ FIRE SERVICE**  
Katraj, Kondva Road,  
Near ISKCON temple.  
Pune.

**Subject: Compliance Fire Safety Audit 2015-16.**

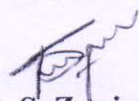
Respected Sir,

With reference to the fire safety Audit 2015-16 of our College, We are submitting herewith compliance of fire safety Audit 2015-16.

Kindly Acknowledge.

Thanking You

Your's sincerely

  
**Dr. R. S. Zunjarrao**  
(Principal)

## Compliance of Fire Safety Audit

- Recommendation:** 1. **Number of fire extinguishers should be increased.**
- Compliance:** Additional fire extinguishers are installed.
- Recommendation:** 2. **Alternative route for emergency in two buildings where Biotechnology, Psychology, Geography departments are located is required with proper indication.**
- Compliance:** The process has been initiated for the necessary permission from LMC.
- Recommendation:** 3. **For fire indication fire alarm system is required.**
- Compliance:** The process has been initiated for the necessary permission from LMC.
- Recommendation:** 4. **Fire hydrant system is required as per Maharashtra service standards.**
- Compliance:** The process has been initiated for the necessary permission from LMC.
- Recommendation:** 5. **Firefighting training should be given to the staff as well as students.**
- Compliance:** Yes, such training are organized every year.
- Recommendation:** 6. **Fire or emergency rescue drill practice in college is needed to be done at least twice in year.**
- Compliance:** Yes, It is being done regularly.
- Recommendation:** 7. **Two employees should be nominated for firefighting duties who take care of all system records and manage the dates of fire drill.**
- Compliance:** Yes, Prof. Raghu Vidap and Prof. B. B. Yenage are given this responsibility.
- Recommendation:** 8. **Management must have the emergency plant with them.**
- Compliance:** Yes, Process has been initiated.
9. **At least 10 big board with names and Nos. of emergency**

services like nearest Hospital, Police station, Fire stations, ambulance etc.

Yes, Such boards are installed at various places on the College campus.



## Certificate of Completion

This is to certify that

Modern college of Arts, science and commerce,  
Shivajinagar, Pune.

Has successfully completed Fire & Safety audit.

On the 20<sup>th</sup> May 2015 Wednesday.

**Sign**

For SURAJ FIRE SERVICES

Proprietor

## FIRE EXTINGUISHERS LOCATION CHART WITH PROPER FE TYPE.

This chart show which department require which type of Fire Extinguishers (FE), Chart is as follow

**BLOCK NO 'A' Administration Building. (EX = EXISTING FE, N= NEW)**

DEPARTMENT & AREA	ABC 2KG	ABC 4KG AND OLD DCP.	Co2 2KG	Co2 4.5KG	MECH.FOAM 9LTR	WATER TYPE 9 LTR.	SAND BUCKETS & FIRE BLANKETS
ADMINISTRATION OFFICE	1+1EX.		2N	1N			Fire blanket
CLASS ROOMS	1+1EX	1N		1N			Fire blanket
PARKING & GENERAL AREA	3N	2N		1N	1N		
<b>TOTAL</b>	<b>2EX+6N =7</b>	<b>2N =2N</b>	<b>=2N</b>	<b>=3N</b>	<b>1N</b>		<b>=15 2 FB</b>

**Total No of existing Fire Extinguishers in above Building is 2Nos.**

**Total No of require new Fire Extinguishers in above Building is 13Nos.**

**BLOCK NO 'B'.MAIN BUILDING (EX = EXISTING FE, N=NEW)**

DEPARTMENT & AREA	ABC 2KG	ABC 4KG AND OLD DCP	Co2 2KG	Co2 4.5KG	MECH.FOAM 9LTR	WATER TYPE 9 LTR.	SAND BUCKETS & FIRE BLANKETS
CHEMISTRY LAB (PG COURSE)	1EX	1EX			1N		Fire blanket
ANIMATION LAB			1N				
GYM & CANTEEN.	1EX	1EX					
CHEMISTRY LAB		2EX	1N	4EX	1N		



DIGITAL ROOM	1EX		1N				
PRINCIPAL CABIN & REGULAR CABINS	1EX	2N	1N	1N			
LIBRARY	1EX	2EX		1N			
DIGITAL READING HALL				1N			
READING HALL	1EX	1N					
DEPT COMMERCE	1EX	1EX					Fire blanket
ELECTRONICS LAB	1EX	1EX	1N	1N			
ELECTRONICS & PHYSICS MAIN LAB	2EX		1N				
ZOOLOGY & BOTONY LAB		2EX				1N	
STATSTIC DEPARTMENT	1N	1EX		1N			Fire blanket
A BUILDING FLOOR & PASSAGES	1EX	1	1N			1N	Fire blanket
TOTAL	11EX+3N =14	10EX+5N =15	=6N	=4EX+5N	=2N	=2N	=44 4FB/1 SB

Total No of existing Fire Extinguishers in above Building is 25Nos.

Total No of require new Fire Extinguishers in above Building is 18Nos.

BLOCK NO 'C'.BIOTECH BUILDING (EX = EXISTING FE, N=NEW)

DEPARTMENT & AREA	ABC 2KG	ABC 4KG AND OLD DCP	Co2 2KG	Co2 4.5KG	MECH.FOAM 9LTR	WATER TYPE 9 LTR.	SAND BUCKETS & FIRE BLANKETS.
AGRICULTURE		1N			1		SB



LAB							
COMPUTER LAB (comp sci. lab)			2	1			
MICRO BIOLOGY	1EX	1EX	2	1			FB
Bio tech computer lab.		1EX	1	1	1		
Assembly Hall		2EX				1	
B BUILDING FLOOR & PASSAGES	2N	2EX		1			FB
Total	1EX+3N =4	6EX+1N =7	=6N	=4N	=2N	=1N	=24 FE 1 SB/2 FB

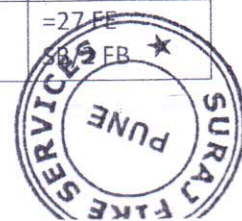
Total No of existing Fire Extinguishers in above Building is 8Nos.

Total No of require new Fire Extinguishers in above Building is 16Nos.

BLOCK NO 'D'.GEOGRAPHY BUILDING. (EX = EXISTING FE, N=NEW).

Total No of existing Fire Extinguishers in above Building is 4Nos.

DEPARTMENT & AREA	ABC 2KG	ABC 4KG AND OLD DCP	Co2 2KG	Co2 4.5KG	MECH.FOAM 9LTR	WATER TYPE 9 LTR.	SAND BUCKETS & FIRE BLANKETS
MCA LAB	1EX		2				
PSCHOLOGY	1	1EX				1	
ECONONMICS		2	1			1	
BIO TECHNOLOGY	1	1	2	1EX			
GEOGRAPHY	1+1EX	2		1	1		
C BUILDING FLOOR & PASSAGES	1	2		2			SB & 2 FB
ASSEMBALY		1					
TOTAL	2EX+4N =6	1EX+8N =9	=5N	1EX+3N =4	=1N	=2N	=27 FE 2 SB & 2 FB





Total No of require new Fire Extinguishers in above Building is 23Nos.

With the reference of above chart Fire extinguishers existing quantity at campus is 41Nos and require fire extinguishers quantity is 71Nos as well as 3 stands of fire buckets with sand and 10 fire blanket require in total campus.



# SURAJ FIRE SERVICES

Fire Safety Equipment's Sales, Installation, Service, and Training.

Sales Office No.273 Shukarwar Peth ,Vijay Complex, Chinchu Talim, Flat No 06,

Work Shop:-56/5/3/4KATRAJ KHONDHWA Road near ISKCON TEMPLE,

EASY REACH:-9923773487, 9860081516.E-MAIL surajfire123@gmail.com.

## QUOTATION

MODERN COLLEGE OF  
ARTS COMMERCE AND  
SCIENCE ,PUNE

No - Phase II Programme.  
Date - 15/06/2015  
Category- Quotation

Attention: Manager Sir/Madam.

Respected Sir,

With reference to our Discussions, we are submitting you Quotation of FIRE FIGHTING SYSTEM.

DESCRIPTION	Rate/Pec.	Quantity	Actual Rate
Supplying, erecting, testing and commissioning the 2 Zones Microprocessor based conventional Fire Alarm Control Panel (FACP) with standard accessories complete	Rs.6850	5	Rs.34,250/-
Supplying, erecting, testing and commissioning the smoke detectors.	Rs.1550	200	Rs.3,10,000/-
Supplying, erecting, testing and commissioning the heat detectors	Rs.1840	04	Rs.7360/-
Supplying, erecting, testing and commissioning the hooters	Rs.793	20	Rs.15860/-
Supplying, erecting, testing and commissioning Manual Call Point (Pill box) with break glass push button in metal enclosure complete	Rs.788	20	Rs.15760/-
Supplying, erecting and testing remote response indicators.	Rs.100	50	Rs.5000/-
Supplying, erecting and testing of siren with range 500M	Rs.5320	1	Rs.5320/-
Supply, Laying and installation of FRICL Copper cable of 1.5 x 2 C sq.mm. ISI. Marked with conduit piping and required fittings.	Rs.141	4000	Rs.5,64,000/-
<b>FINAL AMOUNT</b>			<b>Rs.9,57,550/-</b>

VAT 12.5%

Rs.1,19,694/-

**FINAL AMOUNT**

**Rs.10,77,244/-**

**Terms And Conditions:**

**Note:** Final billing will be done as per actual quantity required at site.

**For SURAJ FIRE SERVICES**

**Taxes : 12.5%VAT WILL BE CHARGE EXTRA**

**Expectation from you :**

Sufficient clear space for storing materials .Water for drinking free of charges & permission the work

around the clock as well as clear site

**Payment :**

25% Advance with the purchase order.

50% After material supply (wiring).

20% after completion of work

5% After Testing & Final.

**Check In Favour of " Suraj fire Services"**

**Completion of Work: Depends upon site clearance and project agency.**

We hope we have given the most reasonable offer and shall be very much pleased to be awarded with the value order

Yours Truly,

for, **SURAJ FIRE SERVICES**

**BRIJESH JOSHI**

9923773487

9923879495

*In case of any query please call me on my cell. Mr.Brijesh 9923773487.*

**Proprietor**

# SURAJ FIRE SERVICES

*Fire Safety Equipment's Sales, Installation, Service, and Training.*

*Sales Office No.273 Shukarwar Peth ,Vijay Complex, Chinchu Talim, Flat No 06,  
Work Shop:-56/5/3/4KATRAJ KHONDHWA Road near ISKCON TEMPLE,*

*EASY REACH:-9923773487, 9860081516.E-MAIL surajfire123@gmail.com.*

## QUOTATION

To,  
PRINCIPLE  
MODERN COLLEGE OF  
ARTS COMMERCE AND  
SCIENCE ,PUNE

No  
Date  
Category-

Phase I  
05/06/2015  
Quotation

Kind Attention:

Respected Sir,

With reference to our Discussions, we are submitting you Quotation of FIRE FIGHTING SYSTEM.

	DESCRIPTION	Rate/Pic.	Quantity	Actual Rate
1	Supply and installation of 2KG ABC type fire extinguisher with 3yrs warranty.	Rs1000/-	10	Rs.10,000/-
2	Supply and installation of 4KG ABC type fire extinguisher with 3yrs warranty.	Rs.1650/-	15	Rs.24,750/-
3	Supply and installation of 2K Co2 type fire extinguisher with 3yrs warranty.	Rs.3950/-	20	Rs.79,000/-
4	Supply and installation of 4.5 KG ABC type fire extinguisher with 3yrs warranty.	Rs.5124/-	15	Rs.76,860/-
5	Supply and installation of 9 lit Foam type fire extinguisher with 3yrs warranty.	Rs.2200/-	5	Rs.15,000/-
6	Supply and installation of 9lit water type fire extinguisher with 3yrs warranty.	Rs.2000/-	6	Rs.12000/-
7	Supply and installation of four fire buckets of 9 ltr. Capacity with stand.	Rs.3250/-	3	Rs.9750/-
8	Supply and fixing safety signage's such as fire Exit , Assembly point , Fire Staircase , Fire Doors , Fire Extinguishers , Etc.	Rs.250	120	Rs.30,000/-
9	Supply of fire blankets	Rs.2250	10	Rs.22500/-
10	Supplying, erecting, testing and commissioning the 2 Zones Microprocessor based conventional	Rs.6850	2	Rs.13700/-

	<b>Fire Alarm Control Panel (FACP) with standard accessories complete</b>			
12	Supplying, erecting, testing and commissioning the smoke detectors.	Rs.1550	40	Rs.62,000/-
13	Supplying, erecting, testing and commissioning the hooters	Rs.793	15	Rs.11,895/-
14	Supplying, erecting, testing and commissioning Manual Call Point (Pill box) with break glass push button in metal enclosure complete	Rs.788	15	Rs.11,820/-
15	Supplying, erecting and testing remote response indicators.	Rs.120	40	Rs.4800/-
16	Supplying, erecting and testing of siren with range 500M	Rs.5320	1	Rs.5320/-
	Supply, Laying and installation of FRICL Copper cable of 1.5 x 2 C sq.mm. ISI. Marked with conduit piping and required fittings.	Rs.141	1000	Rs.1,41,000/-
23	Emergency contact No sign board.	Rs.1800/-	5	Rs.9000/-
	<b>TOTAL AMOUNT</b>			Rs.5,55,895/-
	<b>VAT 12.5%</b>			Rs.67,424/-
	<b>FINAL AMOUNT</b>			Rs.6,06,819/-

**Terms And Conditions:**

Note: Final billing will be done as per actual quantity required at site.

Taxes : 12.5%VAT WILL BE CHARGE EXTRA

Expectation from you :

Sufficient clear space for storing materials .Water for drinking free of charges & permission the work round the clock as well as clear site

Payment :

30% Advance with the purchase order.

30% After material supply (wiring).

10% after completion of work,

5% After Testing & Final.

Cheque In Favour of " Suraj fire Services"

Completion of Work: Depends upon site clearance and project urgency.

We hope we have given the most reasonable offer and shall be very much pleased to be awarded with

the value order

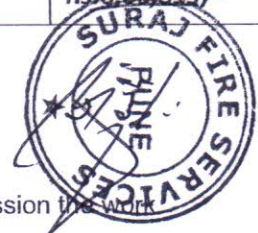
Your Truly,

for: SURAJ FIRE SERVICES

BRJESH JOSHI

982273487

982273495



# SURAJ FIRE SERVICES

*Fire Safety Equipment's Sales, Installation, Service, and Training.*

*Sales Office No.273 Shukarwar Peth ,Vijay Complex, Chinchu Talim, Flat No 06,  
Work Shop:-56/5/3/4KATRAJ KHONDHWA Road near ISKCON TEMPLE,*

*EASY REACH:-9923773487, 9860081516.E-MAIL surajfire123@gmail.com.*

## QUOTATION

To  
MODERN COLLEGE OF  
ARTS COMMERCE AND  
SCIENCE ,PUNE

No -  
Date - 08/06/2015  
Category- Quotation

Kind Attention: Manager Sir/Madam.

Respected Sir,

With reference to our Discussions, we are submitting you Quotation of FIRE FIGHTING SYSTEM.

DESCRIPTION	Rate/Pec.	Quantity	Actual Rate
Supply & Installation of Fabricated Spiral staircase with platform for Emergency & Fire Exit way in building	Rs.2030/S tair.	76 (40ft approx.)	Rs.1,54,280/-
Total Amount.			Rs.1,54,280/-
Vat. 12.5%			Rs.19,285/-
<b>FINAL AMOUNT</b>			<b>Rs.1,73,565/-</b>

**Terms And Conditions:**

1. Vat @ 12.50% extra,
2. Delivery - 03Days from the date of receipt of Your firm PO.
3. Payment 70% Advance 30% before dispatch.
4. BRAND ANY ISI MARK, WITH TEST CERTIFICATE.



In case of any query please call me on my cell. Mr.Brijesh 9923773487/Mr.Bhushan9860081516.

## Building 'A'

**Fire Safety Audit Checklist:** -Building A, Ground floor include PG Chemistry lab, Animation lab, canteen and gym.

Date of Audit: 12/05/2015.

Audited by: SURAJ FIRE SERVICES.

Scope of Audit: Full Workplace (Multi-occupied Premises)

Address of Workplace: MODERN COLLEGE OF ARTS COMMERCE & SCIENCE.

Responsible Person(s) contacted:

Firefighting & Detection	Compliance	Non-compliance	Observations/ Suggestions
Is appropriate firefighting equipment provided?		Occupier requires FFE for electrical equipment, chemistry lab at least Co2 & foam type.	Mech. foam type FE require in PG chemistry lab. FE co2 type in animation lab & canteen.
Is FFE easily accessible, simple to use and indicated by signs?	No	Indication signs require To indicate FE.	No Indication signs for fire extinguishers & exit.
Is there a suitable means for giving warning/detection of fire?	No	Fire warning & indication system require.	No smoke detection system on floor. Smoke detection with fire alarm is require.
Have employees been nominated for firefighting duties	No	At least one teacher volunteer for firefighter duty.	No employees been nominated for firefighting duties.
Is adequate training given?	No		Firefighting training is required for all employees.
Are training records available	No		

Have contacts been arranged with emergency services?	NO		One board with emergency services name & No.
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Workplace Regulations

Emergency Routes & Exits	Compliance	Non-compliance	Observations/ Suggestions.
Are emergency routes & exits kept clear?	Yes		Fire indication require.
Do they lead directly to a place of safety?	Yes		Emergency assembly area require.
Can employees evacuate quickly & safely? (Evacuation Drill records)	No		Evacuation drill & fire drill require
Is the means of escape sufficient for numbers of people present?	Yes		
Do emergency doors open in direction of escape (where appropriate)?	Yes		
Are sliding/revolving doors not used as emergency exits?	Not Applicable		
Are exit doors easily & immediately open able?	No		Exit door is lock. It's should be open.
Are exits indicated by signs?	No		exits indicated by signs
Are emergency routes and exits adequately lit?			

Workplace Regulations



Are exits indicated by signs?	No		exits should be indicated by signs
Are emergency routes and exits adequately lit?			

Workplace Regulations

**Note:** - 1) All department require the ABC & Co2 type fire extinguishers as well as in all department lab

2) Fire protection & fire warning system should be install on the floor for fire indication.

3) Automatic smoke detection system should be install on the floor in each class room & Department.

**Fire Safety Audit Checklist:** - Building A, 2<sup>nd</sup> Floor include computer lab, PG electronics lab, Physics & electronics main lab, class rooms etc.

Date of Audit: 12/05/2015.

Audited by: SURAJ FIRE SERVICES.

Scope of Audit: Full Workplace (Multi-occupied Premises)

Address of Workplace: MODERN COLLEGE OF ARTS COMMERCE & SCIENCE.

Responsible Person(s) contacted:

Firefighting & Detection	Compliance	Non-compliance	Observations/ Suggestions
Is appropriate firefighting equipment provided?		FFE Co2 & ABC type at Comp, Physics & Electronics lab. No fire protection system on floor.	FFE Co2 & ABC type at Comp, Physics & Electronics lab as well as SD in all rooms.
Is FFE easily accessible, simple to use and indicated by signs?	Yes simple to use.	No indication	FFE indication sign require.

Have employees been nominated for firefighting duties	No		No employees been nominated for firefighting duties.
Is adequate training given?			Firefighting training is required for all employees.
Are training records available			
Have contacts been arranged with emergency services?			One board with emergency services name & No.

Workplace Regulations

Emergency Routes & Exits	Compliance	Non-compliance	Observations/ Suggestions.
Are emergency routes & exits kept clear?	Yes		Fire exit indication require.
Do they lead directly to a place of safety?	Yes		Emergency assembly area and indication require.
Can employees evacuate quickly & safely? (Evacuation Drill records)	No		Evacuation drill & fire drill require
Is the means of escape sufficient for numbers of people present?	Yes		
Do emergency doors open in direction of escape (where appropriate)?	Yes		
Are sliding/revolving doors not used as emergency exits?	Not Applicable		
Are exit doors easily & immediately open able?	No		Exit door is lock. It's should be open.

Is the means of escape sufficient for numbers of people present?	Yes		
Do emergency doors open in direction of escape (where appropriate)?	Yes		
Are sliding/revolving doors not used as emergency exits?	Not Applicable		
Are exit doors easily & immediately open able?	No		Exit door is lock. It's should be open.
Are exits indicated by signs?	No		exits should be indicated by signs
Are emergency routes and exits adequately lit?			

Workplace Regulations

**Note:** - 1) All department require the ABC & Co2 type fire extinguishers as well as in all department lab

2) Fire protection & fire warning system should be install on the floor for fire indication.

3) Automatic smoke detection system should be install on the floor in each class room & Department.

**Fire Safety Audit Checklist:** - Building A, 3<sup>rd</sup> Floor include computer lab, PG electronics lab, Physics & electronics main lab, class rooms etc.

Date of Audit: 12/05/2015.

Audited by: SURAJ FIRE SERVICES.

Scope of Audit: Full Workplace (Multi-occupied Premises)

Address of Workplace: MODERN COLLEAGE OF ARTS COMMERCE & SCIENCE.

Responsible Person(s) contacted: