



KOHINOOR
— SAFETY SERVICES —

AN ISO 9001 : 2015 CERTIFIED COMPANY

INSPECTION REPORT

1. Name & Address of the building : SAMARTH EDUCATION TRUST ARVIND
GAVALI COLLEGE OF ENGINEERING,
PANMALEWADI,
SATARA.
2. Type of Occupancy : Engineering College Building
3. Details of previous Fire NOC :
4. Fire Safety directives letter No : -
5. Date of Inspection : 18/12/2025
6. Names of the Inspecting officers :
7. Names and Designation of officers: Fire Auditor (D.C.E.)
if any, representing the Owner
8. Occupier of the Building : Engineering College Building
9. Year of Construction :

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CHAUHAN**

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Sr. No	Minimum Standards for Fire Prevention and Fire Safety	Requirement as per NBC 2005	Provided at site	Remarks (Meets / Doesn't meet requirement)
1	Access to building Road width Gate width Width of internal road	12 Mtr 3 Mtr 6 Mtr	12 Mtr 3 Mtr 6 Mtr	Meets requirement Meets requirement Meets requirement
2	Means of egress a. Number of staircase Upper Floors Basements b. Width of staircases Upper Floors Basements c. <u>Protection of exits</u> Fire check door Pressurization e. No. of continuous staircases to terrace f. Staircase lobby g. Width of Corridor h. Door Size	2 No 2 MTR NO NA NA NA 1.5 Mtr Yes 2100X1000	2 NO 2 MTR NO 1.5 Mtr 2100X1000	Meets requirement Meets requirement Meets requirement Meets requirement
	Compartmentation Fire Check door Sealing of electrical shafts Fire Rating of shaft door Size of compartment Fire Dampers	NA		
	Smoke Management System Basements Upper floors	Required	Not Provided	Doesn't Meets requirement
	Fire Extinguishers Total numbers Types IS marking	15 ABC & CO2 ISI marked	15 ABC & CO2	Meets requirement
	First - Aid Hose Reels Total numbers on each floor		Not	Doesn't Meets requirement

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	Length of hose reel hose Nozzle diameter	Required	provided	requirement
	Automatic Fire detection and Fire alarm system Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooters Location	Required	Not Provided	Doesn't meets requirement
	Manually Operated Electrical Fire Alarm System	Required	Not Provided	Doesn't meets requirement
	Public Address System	Required	Not Provided	Doesn't meets requirement
	Automatic Sprinkler System Basement Upper Floor Sprinkler above false ceiling	Required	Not Provided	Doesn't meets requirement
	Internal Hydrants Size of riser / down – corner Number of hydrants per floor Hose Box	Required	Not Provided	Doesn't meets requirement
	Yard Hydrants Total number of hydrants Hose Box	Required	Not Provided	Doesn't meets requirement
	Pumping Arrangements Ground Level * Discharge of main pump * Head of Main pump * Number of main pumps * Jockey Pump out put * Jockey Pump head * Standby pump out put * Standby pump head * Standby pump Head * Auto starting / Manual stopping * Pump House Access Terrace level * Discharge of pump * Head of the pump * Power supply * Auto starting of pump	Required	Not Provided	Doesn't meets requirement
	Captive Water Storage for fire			

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fighting Underground tank capacity Draw off connection Fire service inlet Access to tank Overhead tank capacity	1 lakh Ltr	1 Lakh Ltr	Meets Requirement
Exit Signage	Required	Not Provided	Doesnt Meets Requirement
Pressurization of Lift Shaft Pressurization of Lift lobby Communication facility in lift Car Fireman's Grounding switch Lift Signages	NA NA NA NA NA Required	Not Provided	Doesn't Meets Requirement
Standby power supply	Required	125 kva	Yes
Refuge Are Total Area Location			
Fire Control Room Control Panel Detector System Flow Switch panel PA System Panel Batter backup, if any Building Floor plans	Required	Not Provided	Doesn't Meets Requirement
Special Fire Protection Systems for Protection of Special Risks	Required	Not Provided	Doesn't Meets Requirement

The fire protection systems not provided in the entire building

Keeping in view the extent of compliance of the minimum standards on fire prevention and fire safety required under the Rules, it is proposed as follows :

Need to be install Fire Protection Hydrant System, Sprinkler System & Automatic Smoke Detection System as per provisional Fire Noc.

Signature of the Inspecting Officer Company Name
Sign & Stamp

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Govt. of Maharashtra
Directorate of Maharashtra Fire Service
Vidyanagri, Hans Bhugra Marg, Santacruz (East),
Mumbai - 400 098, Tel-022-26677555, Fax-022-26677666
www.mahafireservice.gov.in

FORM N
[(See section 9 (3) and rule 14)
License to act as a License Agency for the purpose of
Fire Prevention and Life Safety Measure

License No. MFS / LA / RF-10 / RD-10

Date: 04.01.2024

License is hereby renewed under the provisions of sub-section (3) of section 9 of the Maharashtra Fire Prevention and Life Safety Measure Act, 2006 (Mah. III of 2007) to **M/s. Kohinoor Safety Services** having their registration office at **477, Ambedkar Soc., Puriwala, Parksite, Vikroli (W), Mumbai 400079** and their contact details are Office Number: 9892613864 and Email ID: fire.india@yahoo.com with PAN registration No. AGKPC6876C and GST No. 27AGKPC6876C to act as a License Agency for the purpose of the said Act for execution of the fire prevention and life safety measures in relation to

Samarth Education Trust Arvind Gavali

1. Fire Fighting and Sprinkler System: **Class D** *college of Engg.*
2. Detection and Fire Suppression System: **Class D**

M/s. Kohinoor Safety Services shall not issue Form A or Form B under sub-section (3) of section 3 regarding the compliance of the fire prevention and life safety measures or maintenance thereof in good repair and efficient condition, without there being actual such compliance or maintenance failing which license granted / renewed shall be suspended or cancelled as per sub section (4) of section 9 and shall be liable for penalty under section 36 of the Act.

Subject to the provision of sub section (4) of section 9 of the said Act and rule 14 of the Maharashtra Fire Prevention and Life Safety Measures Rules, 2009, the license will be valid for a period from **04.01.2024 to 03.01.2026**

Hatyal
Kiran

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by Hatyal Kiran
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Asst Director

KARTAR
SUGRIV
CHAUHAN

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KARTAR SUGRIV
CHAUHAN
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Digital Signature of Authorized Person to sign Form A or Form B

Santosh
Shridhar
Warick

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Santosh Shridhar Warick
Date: 2024.01.16
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(S S Warick)
Director

Maharashtra Fire Service

Note:

* in absence of digital sign of license holder (responsible to issue Form A or Form B) the license will be treated as invalid.

ONE POINT FIRE SERVICES

Fixed Fire Fighting Installation A.M.C
Fixed Fire Fighting Installation A.M.C

*Fire Services

*Consultancy In Fire Prevention
*Detection System / Event & Exhibition

CERTIFICATE

Certified that I/ We have carried out inspection of fire prevention and life safety measures installed in the FOLLOWING building / premises, namely

M/S. ARVIND GAVALI COLLEGE OF ENGINEERING

PANMALEWADI, SATARA

TAL & DIST SATARA

HIS IS to CERTIFY THAT the fire extinguishers as mentioned below, installed in M/S. ARVIND GAVALI COLLEGE OF ENGINEERING SATARA Are refilled, maintained in good repair and efficient condition and are ready to use as required as per the IS 2190 standards.

Sr. No.	Type of fire extinguisher	Capacity	Quantity	Next Due Date	Remark
1	ABC	6 KG	11	25/11/2025	OK TESTED
2	ABC	5 KG	03	25/11/2025	OK TESTED

Date -25/11/2024

SR No- OPFS/E/121/24-25



**ONE POINT FIRE SERVICES
SATARA**

TAX INVOICE

ONE POINT FIRE SERVICES
 90/2,Plot No-5,Varadvinayak Housing Society,
 Karanje,Satara Pin-415002
 Maharashtra-27
GSTIN NO-27AAIFO2974R1ZC
 Contact No-9765400955
 Email id- onepointfireservices@gmail.com

Date-25/11/2024
 Invoice No-OPFS/21/24-25

Consignee (Ship to)
M/S ARVIND GAVALI COLLEGE OF ENGINEERING SATARA
 Panmalewadi, SATARA
 State Name-Maharashtra, Code-27
GSTIN NO-
 Contact No- 9422400100
 Email id-

SR NO	Description Of Goods	Brand	REFILLING	Quantity	Rate	Amount
1	ABC TYPE EXTINGUISHER 6 KG	STD.	YES	11	500	5500
2	ABC TYPE EXTINGUISHER 5 KG	STD	YES	3	450	1350

TOTAL					6850
CGST ON SALE 9%					617
SGST ON SALE 9%					617
Total Amount					8083

Amount In Rs- Eight Thousand Eighty Three Rupees Only

Company Bank Details
 A/C Holder Name- One Point Fire Services
 Bank Name- Bank Of Baroda
 Account No- 044 202 0000 2228
 Branch- Satara Powai naka
 IFSC Code- BARB0SATARA
 SATARA- 415001

Declaration-
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

 SUBJECT TO SATARA JURISDICTION

 This is Computer Generated Invoice



No.MFS/ 18
Tel No. 2667 7555
Fax No.2666 0287

GOVERNMENT OF MAHARASHTRA

Directorate of Maharashtra Fire Service
Maharashtra Fire Service Academy
Vidyanagri, Hans Bhugra Marg,
Santacruz (East), Mumbai - 400 098

Date: 10.02.17

M/s. Samarth Rural Educational Institute
at Village- Jaitapur,
Tal- Satara, Dist-Satara.

Sub:- NOC stipulating fire protection and fire fighting requirements for proposed construction of Educational Building by M/s. Samarth Educational Trust at G No. 247 at Village- Panmalewadi, Tal-Satara, Dist-Satara.

Ref: Online Application No.MFS/SAT/0130/16, Dated 19/09/16.

Dear Sir,

This is a proposal for construction of Educational Buildings varying from Lower ground floor to 02 upper floors with a total height of 14.40 mtrs from lower ground level to terrace level

Total Plot area is 21200.00 Sq Mtrs and Proposed built up area is 4980.90 Sq Mtrs. The detail of the proposed Construction is as under.

The area wise details of said institution are as under:

Bldg. No	Lower Ground	Ground Floor. (Sq.M.)	1st Floor. (Sq.M.)	2nd Floor. (Sq.M.)	Total Built up area (Sq.M.)	Height in mtrs
A	532.02	3425.97	3578.86	3488.67	11025.52	14.4
B	-	927.45	-	-	927.45	
C	-	270.00	279.01	-	549.01	
D	-	337.45	-	-	337.45	
E	-	193.84	-	-	193.84	
F	-	138.97	-	-	138.97	
G	-	151.24	-	-	151.24	
H	-	22.355	-	-	22.355	
Total					4980.90	



D. D. D. D.

Buildings A is provided with 04 enclosed type staircases having flight width 2.00 mtrs leading from ground floor to terrace floor level.

Buildings C is provided with 01 enclosed type staircase having flight width of 1.20 mtrs leading from ground floor to terrace floor level.

The site abuts on 15 mtrs wide Road on North side. The open spaces around the buildings are as follows:

Building Line to plot Boundary in mtrs	Direction			
	North	South	East	West
	8.00 + 15 mtr road	8.00 + 9 mtr road	8.00 + 9 mtr road	8.00 mtrs

In view of the above, as far as this Department is concerned, there would be no objection for construction of Educational Buildings of which buildings A is provided with 04 enclosed type staircases having flight width of 2.00 mtrs leading from ground floor to terrace floor level, buildings C is provided with 01 enclosed type staircase having flight width of 1.20 mtrs leading from ground floor to terrace floor level, subject to satisfactory compliance of the following requirements, as per the details shown in the enclosed plan, signed in token of approval.

This N.O.C is valid subject to fulfillment of the following condition: -
Provisions of Maharashtra Fire Prevention and Life Safety Measures Act, 2006

1. Under **Section 3** of "Maharashtra Fire Prevention and Life Safety Measures Act, 2006" (hereinafter referred to as "said Act"). The applicant (developer, owner, occupier by whatever name called) shall comply with all the Fire and Life Safety measures adhering to National Building Code of India, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
2. As per the provision as **under :- 10** of the said Act. No person other than the License Agency shall carry out the work of providing Fire Prevention and Life Safety Measures or performing such other related activities required to be carried out in any place or building or part thereof provided that,
 - A) No Licensed Agency or any other person claiming to be such Licensed Agency shall give a certificate under **sub-section (3) of section 3** regarding the compliance of the fire prevention and life safety measures or maintenance thereof in good repair and efficient condition, without there being actual such compliance or maintenance.
 - B) The names of the License Agencies approved by Directorate of Maharashtra is available in our website www.mahafireservice.gov.in
3. Though certain conditions are stipulated from the said Act and the National Building Code of India, it is obligatory on part of the applicant that is developer, builder, occupier, owner, tenant, by what so ever named called to abide with the provisions of the said Act failing which it shall be actionable under the provisions of said act.
4. The plans of the building should be approved by The Concern Competent Authority.



The Occupancy certificate should be obtained from The competent authority. The O.C. shall be issued subject to "Final No-Objection Certificate" from this Department.

6. Proper roads in the premises should be provided and marked on ground for easy mobility of the Fire Brigade Appliance as per the guidelines given in NBC-2005, & marginal spaces should be kept free from obstructions all the time. The load bearing capacity of internal roads shall not be less than 45 Tons. The width of the road shall not be less than 6.0 Mtrs for easy maneuver of the fire engine. However, the marginal open space shall be seen in to by the concern competent authority of the building proposal department.
7. All portable fire fighting equipments installed at various locations as per local hazard such as Co2-DCP, Foam, Fire buckets should be strictly as per and confirming to IS: 15683.
8. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
9. Emergency Telephone numbers like "Police", "Fire Brigade", "Hospital", "Doctors", and "Responsible persons of the company" should be displayed in security cabin & at other strategic locations
10. It shall be ensured that security staff & every employee of the College are trained in handling fire fighting equipments & fire fighting.
11. "Fire Extinguisher", "Fire Bucket" "Danger" "No Smoking" caution boards should be displayed at the places easily visible from a distance.
12. The house keeping shall be well maintained within the entire complex building.
13. Fire buckets 06 Nos. filled in with fine sand will have to be installed on strategic locations and should be easily accessible in case of emergency.
14. All electrical appliances/fitings and fixtures should be strictly flame proof.
15. No hot job should be permitted in the College building without prior permission from the concerned responsible personnel of the College.
16. In future if the said College intends to carry out any expansion, alteration, modification of any building, an approval of this department must be obtained before commencing proposed construction.

REQUIREMENT AND PROVISION: - The following Fire Protection System is required for the fire safety of the building:-

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
1.	Portable Fire Extinguishers	Required	IS: 2190 & IS 15683	
2.	Hose Reel	Required at prominent places.	In all staircases	On each floor in the Staircase landing for Fire Fighting. The first aid hose reel shall be connected directly to riser/down comer main and diameter of the hose reel shall not be less than 19mm confirming to IS 884:1985
3.	Yard Hydrant or Ring hydrant around the building	Required	At Various strategic Locations.	Fire Brigade Inlet connection should be provided. Hydrant points should be provided with 2 Nos. of Delivery Hose confirming to IS-14933-2001 along with

[Handwritten Signature]

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
				Standard Branch (Ur) confirming to IS-2871. distance between 2 Hydrants should not be more than 30 mtrs. The guidelines should be followed as per IS 3844:1989.
4.	Automatic Smoke Detection System	Required in Entire Building including inside the College rooms.		Automatic Smoke Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system. Heat Detectors should be provided for Canteen Area as per the standards and guidelines given IS-2175-1988 specification for Heat sensitive Fire Detectors for use in Automatic Fire Alarm System.
5.	Manually Operated Fire Alarm System	Required	At Various strategic location	Manually Operated Fire Alarm should be provided; it should be connected to alternate power supply.
6.	Underground Static Storage Tank	Required 50,000 liters.		This water storage should be in each core & used exclusively for Fire Fighting.
7.	Terrace Level Tank	Required 10,000 Ltrs.		On each Terrace.
8.	Fire Pump	1 No. 1800 Itr/min electrical driven main pump. 1 No. 1800 Itr/min Diesel driven pump. 1 No.180 Itr/min Electrical Jockey pump.		Fire Fighting pumps shall be well maintained. Fire pumps shall be centrifugal pumps only.
9.	Fire Brigade Connection For Static Water Tank and For Hydrant System	Required at the Strategic location facing wider road.		
10	Sign Indicators for all fire safety, safe evacuation of occupants in case of emergency signs	Required at Prominent Places.		Sign indicators should provided at prominent places as per the guidelines given in IS:9457 for Safety colour and Safety IS:12349 for Fire Protection Safety Signs IS:12407 for Graphics symbols for Fire Protection Plan.

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
11	Manual Call Point	Required	Manual Call Point should be provided at prominent places.	

NOTE: Fix fire fighting installations such as risers, hydrant connections, hose reels etc. shall be provided in separate shaft having opening at floor level with Glass cabinet having locking arrangement to avoid theft and damage.

GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2005

- a) Stairways shall be constructed of non-combustible materials throughout. Hollow combustible construction shall not be permitted. Width of Staircase should not be less than 2.00 M. No Gas piping shall be laid down in the stairway.
- b) Internal staircase shall be constructed as a self-contained unit with at least one side adjacent to external walls and shall be completely enclosed.
- c) Internal staircase shall not be arranged around lift shaft unless the later is entirely enclosed by material of fire resistance rating as that for type of construction itself.
- d) The access to main staircase shall be gained through at least half-an-hour fire resisting automatic closing doors, placed in the enclosing walls of the staircase. They shall be swing type doors opening in the direction of the escape.
- e) No living space, store or other space, involving fire risk, shall open directly in to staircase.
- f) The external exit door of a staircase enclosure at ground level shall open directly to the open space or should be accessible without passing through any door other than a door provided to form a draught lobby.
- g) The exit signs with arrows indicating the escape routes shall be provided at a height of 2.0 m. from the floor level on the wall and shall painted with fluorescent paint. All exit signs should be flush with the wall and so designed that no mechanical damage to them can result from the removing furniture, material or any other equipment.
- h) **Exits shall be so located that it will not be necessary to travel more than 30 Mtrs. from any point to reach the nearest exit.**

STAIRCASE DESIGN REQUIREMENT:

1. The minimum headroom in a passage under the landing of a staircase and under the staircases shall be **2.2 Mtrs.**
2. Access to main staircase shall be through a fire / smoke check door of a minimum 2 hours fire resistance rating.
3. No living space, store or other fire risk shall open directly in to the staircases.
4. The main and external staircases shall be continuous from ground floor to the terrace level.
5. No electrical shafts, A/c ducts or gas pipe etc. shall pass through or open in the staircases. Lifts shall not open in staircases.

Escape route from flat to staircase :

- i) Corridor / Lift Lobby / Staircase at each floor level shall be ventilated to outside air, as shown on the plan.
- ii) Escape routes shall be maintained free from any obstruction at all times.

FIRE ESCAPE: (ENCLOSED TYPE) SHALL COMPLY THE FOLLOWING:

1. Fire escape constructed of M.S. angles, wood or glass is not permitted is not permitted.
2. Opening of the Fire Escape Staircase should be from outside.
3. Fire Escape staircase should be enclosed type. These should always be kept in sound operable condition.
4. Exits door shall open outwards, that is away from the room, but shall not obstruct the travel along any exit.
5. Fire Escape Staircase shall be directly connected to the ground.
6. Entrance to the Fire Staircase shall be separate and remote from the internal staircase.
7. Care shall be taken to ensure that no wall opening or window opens on to or close to Fire Escape Stairs.
8. The route to the external staircase shall be free of obstructions at all times.
9. The Fire Escape stairs shall be constructed of non-combustible materials, and any doorway leading to it shall have the required fire resistance.
10. No Staircase, used as a fire escape, shall be inclined at an angle greater than 45° from the horizontal.
11. **The width of the staircase. The other detailed provision for exits in accordance with National building code - 2005.**
12. Fire Staircase shall have straight flight not less than 200 c.m. wide with 25 c.m. treads and risers not more than 19 c.m. The number of risers shall be limited to 15 per flight.
13. Handrails shall be of a height not less than 100 c.m. and not exceeding 120 c.m.

EXIT REQUIREMENT FOR CONFERENCE ROOM, CLASSROOMS:

1. Door width for Conference Room shall not be less than 2 Mtrs.
2. Clear aisles not less than 1.2 Mtrs. in width shall be formed at right angles to the line of seating in such number and manner that no seat shall be more than seats away from an aisle.
3. Rows of seats opening on to an aisle at one end only shall have not more than seven seats. Under the conditions, where all these aisles do not directly meet the exit door, cross-aisles shall be provided parallel to the line of seating so as to provide direct access to exit, provided not less than not less than one cross aisles for every 10 rows shall be required. The width of cross aisles shall be of minimum 1 Mtrs. steps shall not be placed in aisles to overcome differences in levels unless the gradient exceeds 1:10.
4. Rows of seats between aisles shall have not more than 14 seats.
5. The spacing of rows of seats from back-to-back shall be neither less than 850 mm nor less than 700 mm plus the sum of the thickness of the back and inclination of the back. There shall be a space of not less than 350mm between the back of one seat and the front of the seat immediately behind it is measured between plumb lines.

Guidelines for College Buildings

1. The Urban Development Department Govt. of Maharashtra had issued guidelines for Safety of Educational Buildings vide letter No. FFS-2004/419/CR-121/UD-6, Dt. 05/08/04 & Circular issued by College Education Department, Govt. of Maharashtra vide No. 2004/(155/04)/Training-4, Dt. 22/07/04 which shall be *scrupulously followed.*

2. Building intended for educational occupancy shall not be used for any hazardous occupancy.
3. Storage of Volatile Flammable Liquids shall be prohibited and handling of such liquids shall be restricted to Science Laboratories only.
4. Exits and other means of Escape like Corridor & Staircase shall be kept free from any kind of Obstruction & Combustible Materials such as Benches, Chairs etc. Combustible materials like Old Newspaper, Wooden Furniture's, Gunny Bags etc., shall not be kept store on the Lofts.
5. Exits should be clearly visible and the route to reach the exits shall be clearly marked sign posted to guide the students (occupants) of the floor concerned.
6. Exits shall be so arranged that at least two separate exits are available in every floor area. Exits shall be as remote from each other as practicable and so arranged that there are no pockets or dead ends.
7. During Annual Function or any programs where temporary structure i.e. Pandal or Shamiyana is erected, proper approval from Fire Department is to be taken. All necessary guidelines issued by Fire Department shall be scrupulously followed.
8. Every room or class room with a capacity of more than 40 persons in area shall have at least two doorways for exit of not less than 900 m.m. wide.
9. The latest order by Hon'ble Supreme Court's judgment shall be also be followed scrupulously.

OTHER REQUIREMENTS:

1. Building intended for educational occupancy shall not be used for any hazardous occupancy.
2. Every room or class room with a capacity of more than 40 persons in area shall have at least two doorways for exit of not less than 900 m.m. width
3. Storage of volatile flammable liquids shall be strictly prohibited and the handling of such liquids shall be restricted to science laboratories only.

GUIDELINES FOR CHEMICAL LABORATORY :

- a. Guidelines should be followed from **IS:4209 Code of Safety in Chemical Laboratories.**
- b. Portable fire fighting equipments should be installed at various locations in the Administrative Building, Office Building and Stores, such as Co2-DCP, Foam, Fire buckets should be strictly confirming to relevant IS specification. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
- c. In addition to this 4 Nos. of 4.5 Kgs DCP Extinguishers should be installed within the Laboratory.

ELECTRICAL SERVICES:

1. The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every alternate floor with non-combustible materials having same fire resistance as that of the duct.
2. Water mains, telephone lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables.
3. Separate circuits for water pumps, lifts, staircase & corridor lighting shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fire in one circuit will not affect the others.

4. The inspection panel doors and any other opening in the shaft shall provided with airtight fire doors having the fire resistance of not less than two hours.
5. Medium & low voltage wiring running in shaft and within fall ceiling shall run in metal conduit.
6. An independent & well-ventilated service room shall be provided on the ground floor with direct access from outside or from the corridor for the purpose of termination of electric supply. The doors provided for the service room shall have fire resistance of not less than two hours.

Electric cable shaft and electric meter room :

- i) Electric cables shall not pass through the staircase walls or shall be taken in concealed manner.
- ii) Inspection door of the shaft if provided shall have two hours of fire resistance.
- iii) Electric meter room shall be provided at the ground floor at the location marked on the plan. It shall be adequately ventilated.
- iv) Electrical shafts shall be sealed at each floor level with non combustible material such as vermiculite concrete.
- v) Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire building with provision of ELCB / MCB in electrical installation of the building.

Access :-

Two entrance gates each of width not less than 04.50 mtr and height clearance not less than 04.50 mtrs shall be provided.

Courtyards :-

- i) The courtyards on all sides of the building shall be paved suitably to bear the load of fire engines weighing up to 45m. tones and shall be flushed to road level.
- ii) The courtyards shall be in one plane.

CAR PARKING:

- i) Car parking shall be permitted in the designated area.
- ii) Drainage of the car parking area of all the levels shall be laid independent from that of the buildings & it shall be provided with catch pit & fire trapped before connecting the building drainage or Municipal drainage.
- iii) Drainage of the car parking areas at all the levels shall be so laid as to prevent any overflow in the staircase, lift shaft etc.
- iv) The parking area shall not be used for dwelling purpose & repairing / maintenance purpose, at any time. Dwelling use of naked light/ flame, repairing / maintenance of vehicles shall be strictly prohibited in the parking area.
- v) Repairing / servicing of cars, use of naked light shall not be permitted in the car parking areas.
- v) The drive way shall be properly marked & maintained unobstructed

PORTABLE FIRE EXTINGUISHERS :-

- a. Two Dry Chemical Powder (A.B.C.) type fire extinguisher of 6 kgs. Capacity having I.S.I. certification mark and two buckets filled with dry, clean sand shall be kept in Electric meter Room as well as Lift Machine room.



- b. Eight Dry Chemical Powder (A.B.C.) type fire extinguishers each of 6 Kgs. Capacity having I.S.I. certification mark shall be kept at parking area equally distributed at prominent places in stilts.

TERRACE DOOR:

- i) The top half portion of the doors shall be provided with louvers.
- ii) The latch- lock shall be installed from the terrace side at the height of not more than 1mtrs.
- iii) The glass front of 6 inch diameter with the breakable glass shall be provided just above the latch lock, so as to open the latch in case of an emergency by breaking the glass.

SIGNAGES :-

Self glowing / fluorescent EXIT signs in green colour shall be provided showing the means of escape for the entire building.

This is a "**Provisional No-Objection Certificate**" which shall be treated valid for the period of one year from the date of issue. After compliance with above mentioned recommendations / conditions, inspection of the fire prevention & protection systems provided by you will be carried out by this department & after satisfactory performance of the system "**Final No-Objection Certificate**" will be issued.

The party has paid scrutiny Fees of **Rs. 39,520/- (Rs. Thirty Nine Thousand Five Hundred Twenty Only)** vide UTR No. 16349000385 dated.15/12/16 as certified by the then Architect vide his letter dated.

However, Town Planning is requested to verify the total built up area and inform this Department for the purpose of levying additional Capitation fee.

The undersigned reserves right to amend any additional recommendations deemed fit during the final inspection due to the statutory provisions amended from time to time and in the interest of the protection of the company.

Thanking you.

Yours faithfully,


(P.S. Rahangdale)

Director
Maharashtra Fire Services.




3/21



सातारा नगरपरिषद, सातारा

१ केसरकर पेठ, सातारा. ४१५००१

फोन:- (०२१६२) २३४०७६/७७

फॅक्स :- (०२१६२) २३४०७६

ई-मेल :- sataramunicipal@rediffmail.com
municipal_str@dataone.in

जा.क्र.सानप/आग्नि/०८

दिनांक :- १९/०४/२०२४

To,
Principal,
Arvind Gavali College of Engineering,
Panmalewadi, Satara
Satara. 415 015

Sub: - Regarding Fire Extinguishing Services.

Ref: - Your application ref No. AGCE/April/2024/ No.575, dated 18/04/2024.

Dear Sir,

With respect to your application dated 18/04/2024 It has been decided that in case of any unfortunate Fire Explosion incidence, Samarth Educational Trust's educational campus (Fire Service Charges Applicable as Per Standing Order 31) Situated at Gat No. 247, At Panmalewadi, Post. Varye, Tal. & Dist. Satara 415015 Covering following institutes. This certificate valid for 31st March 2025.

- 1) Arvind Gavali College of Engineering
- 2) Arvind Gavali College of Engineering, Polytechnic
- 3) Arvind Gavali College of Engineering, MCA & BCA




CHIEF OFFICER
SATARA MUNICIPAL COUNCIL,
SATARA



SAMARTH EDUCATIONAL TRUST

ARVIND GAVALI COLLEGE OF ENGINEERING

NAAC Accredited

Approved by AICTE, New Delhi, Recognised by Govt. Of Maha., DTE Mumbai & Affiliated to Dr. Babasaheb Ambedkar Technological University (BATU), Lonere.

■ Engineering
EN-6545

■ Polytechnic
DN-6545

■ B.vocational Degree Programs (B.Voc)
EN-6545

- Address : At Panmalewadi, Post - Varye, Tal. & Dist. - Satara -415 015 (Maharashtra)
- Website :- www.agce.edu.in
- e-mail : agcenggsatara@gmail.com
- Engg. Mob : 9957 100 100
- Poly / B.Voc. Mob : 9089 700 100

Ref No.: AGCE/April-2024/No.- 874

Date : 18/04/2024

PURCHASE ORDER

To,
One Point Fire Services,
 90/2, Plot No-5,
 Varad Vinayak Housing Society,
 Karanje, Satara
 Satara-415002

Subject: Purchase Order of Fire Safety related accessories & Fire Safety Government Approvals of Arvind Gavali College of Engineering, Satara

Sir,

With reference to Quotation and subsequent discussion you had with our Principal & Committee, we are pleased to place order for Fire Safety related accessories & Fire Safety Government Approvals of Arvind Gavali College of Engineering, Satara.

Sr.	DESCRIPTION	Qty	Unit	SUPPLY (Rs.)		INSTALLATION (Rs.)		Make/Brand
				Rate	Amount	Rate	Amount	
A	WET RISER/DOWN-COMMER SYSTEMS							
1	MS Pipes "C" class 100 mm dia pipes to IS-1239 For Riser connection	100	Mtr	₹ 1,350	₹ 135,000	₹ 480	₹ 48,000	Apollo/Jindal
2	MS Pipes "C" class 80 mm dia pipes to IS-1239 For Riser to Terrace level Booster pump connection	12	Mtr	₹ 1,050	₹ 12,600	₹ 360	₹ 4,320	Apollo/Jindal
3	Hardware fitting material 35% of Pipe cost, such as flanges welded & with heavy as necessary clamps to all beams ceilings as required or hangers, brackets, Short or long bends, nuts/bolts, elbows, reducers, gasket, etc. complete to make the system operative as required & the pipes with coats of P.O. red enamel paint.	1	LSM	₹ 15,500	₹ 15,500	₹ 0	₹ 0	
4	SITC of SS Hydrant Valve as per, Type-A Single headed, 63 mm dia. ISI Mark	4	Nos.	₹ 3,700	₹ 14,800	₹ 650	₹ 2,600	Armor/Equivalant
5	SITC of SS Branch pipe with nozzle as per IS:903 ISI Mark	4	Nos.	₹ 1,250	₹ 5,000	₹ 100	₹ 400	Armor/Equivalant
6	SITC of RRL Fire hose pipe 63mm dia x 15 mtr. long, complete with SS male and female instantaneous coupling. ISI Mark	4	Nos.	₹ 3,100	₹ 12,400	₹ 100	₹ 400	Armor/Equivalant

Received
Date:

7	SITC of Single Door Hose Box to accommodate one piece of Hose Pipe & one branch pipe. The cabinet is made of thick MS sheet having hinged door with glass & lock.	4	Nos.	₹ 1,280	₹ 5,120	₹ 650	₹ 2,600	Standard	
8	SITC of Hose Reel with Drum and mounting arrangement along with 20mm Dia x 20 mtrs long rubber hose with shut-off nozzle	3	Nos.	₹ 4,600	₹ 13,800	₹ 650	₹ 1,950	Mitras/Equivalent	
9	SITC of Ball Valve 20 mm Dia	3	Nos.	₹ 875	₹ 2,625	₹ 300	₹ 900	NVR/Zoloto	
SUB-TOTAL FOR A					₹ 216,845		₹ 61,170		
B SPRINKLER SYSTEM									
1	MS Pipes "C" class 100 mm dia	0	Mtr	₹ 1,350	₹ 0	₹ 480	₹ 0	Apollo/Jindal	
2	MS Pipes "C" class 80 mm dia	0	Mtr	₹ 1,050	₹ 0	₹ 520	₹ 0	Apollo/Jindal	
3	MS Pipes "C" class 65 mm dia	0	Mtr	₹ 850	₹ 0	₹ 300	₹ 0	Apollo/Jindal	
4	MS Pipes "C" class 50mm dia	120	Mtr	₹ 610	₹ 73,200	₹ 240	₹ 28,800	Apollo/Jindal	
5	MS Pipes "C" class 32 mm dia	0	Mtr	₹ 290	₹ 0	₹ 220	₹ 0	Apollo/Jindal	
6	MS Pipes "C" class 25 mm dia	146	Mtr	₹ 235	₹ 34,310	₹ 200	₹ 29,200	Apollo/Jindal	
7	Hardware fitting material 35% of Pipe cost, such as flanges welded & with heavy as necessary clamps to all beams ceilings as required or hangers, brackets, Short or long bends, nuts/bolts, elbows, reducers, gasket, etc. complete to make the system operative as required & the pipes with coats of P.O. red enamel paint.	1	LSM	₹ 35,000	₹ 35,000		₹ 0	STD	
8	SIDE WALL SPRINKLER	0	Nos	₹ 250	₹ 0	₹ 100	₹ 0		
9	SITC Standard response Pendent type sprinkler of 68 deg. C. temperature rating with all necessary fittings	40	Nos	₹ 210	₹ 8,400	₹ 100	₹ 4,000	HD/Newage	
10	Butterfly valve Supply, erection, of Butterfly valve with necessary accessories							NVR/Kartar	
	65 mm dia	3	Nos	₹ 1,750	₹ 5,250	₹ 650	₹ 1,950		
11	Structural Supports (Approx) angel, chanel	50	KG	₹ 125	₹ 6,250	₹ 40	₹ 2,000	STD	
SUB-TOTAL FOR B					₹ 162,410		₹ 65,950		
C COURTYARD HYDRANT SYSTEMS									
		Qty	Unit	Supply Rate	Supply Amt	Inst Rate	Instl Amt	Make/Brand	
1	MS PIPE Class-'C'- 100 mm Dia for Courtyard Hydrant line	40	Mtrs	₹ 1,350	₹ 54,000	₹ 720	₹ 28,800	Apollo/Jindal	
2	MS PIPE Class-'C'- 80 mm Dia for stand post	0	Mtrs	₹ 1,050	₹ 0	₹ 360	₹ 0		
3	SITC of 4 mm thick wrapping coatlong & applying primer for underground 150mm pipe line of courtyard line	RO	Mtrs	₹ 390		₹ 60		IWL	
4	Hardware fitting material 15% of Pipe cost, such as flanges welded & with heavy as necessary clamps to all beams ceilings as required or hangers, brackets, Short or long bends, nuts/bolts, elbows, reducers, gasket, etc. complete to make the system operative as required & the pipes with coats of P.O. red enamel paint.	1	LSM	₹ 12,000	₹ 12,000	₹ 0	₹ 0	STD	
5	SITC of SS Hydrant Valve as per, Type-A Single headed, 63 mm dia. ISI Mark	2	Nos	₹ 3,700	₹ 7,400	₹ 500	₹ 1,000	Armor/Grapfire/Equivalent	
6	SITC of SS Branch pipe with nozzle as per IS:903 ISI Mark	2	Nos	₹ 1,250	₹ 2,500	₹ 100	₹ 200	Armor/Grapfire/Equivalent	

7	SITC of RRL Fire hose pipe 63mm dia x 15 mtr. long, complete with SS male and female instantaneous coupling, ISI Mark	2	Nos	₹ 3,100	₹ 6,200	₹ 100	₹ 200	Armor/Grappire/Equivalent
8	SITC of Single Door Hose Box to accommodate one piece of Hose Pipe & one branch pipe. The cabinet is made of thick MS sheet having hinged door with glass & lock.	2	Nos	₹ 1,280	₹ 2,560	₹ 500	₹ 1,000	Standard
9	Butterfly valve 100 mm dia :Supply, erection, of Butterfly valve with necessary accessories	1	No	₹ 3,575	₹ 3,575	₹ 800	₹ 800	NVR/Kartar
18	SITC of fire brigade inlet connection of 4 way with 4 nos. 63mm dia built in stainless steel Non return valves with necessary accessories, required at the Main Gate and on fire water tank	0	Nos	₹ 7,150	₹ 0	₹ 1,000	₹ 0	Armor/Equivalent
SUB-TOTAL FOR C							₹ 88,235	₹ 32,000
		Qty	Unit	Supply Rate	Supply Amt	Inst Rate	Instl Amt	Make/Brand
D PUMP HOUSE								
1	MS PIPE Class-'C':- 150 mm Dia Pump room	3	Mtrs	₹ 1,840	₹ 5,520	₹ 720	₹ 2,160	Apollo /Jindal
2	MS PIPE Class-'C':- 100 mm Dia	12	Mtrs	₹ 1,350	₹ 16,200	₹ 360	₹ 4,320	
3	Hardware fitting material 35% of Pipe cost, such as flanges welded & with heavy as necessary clamps to all beams ceilings as required or hangers, brackets, Short or long bends, nuts/bolts, elbows, reducers, gasket, etc. complete to make the system operative as required & the pipes with coats of P.O. red enamel paint.	1	LSM	₹ 15,500	₹ 15,500	₹ 8,316	₹ 8,316	STD
4	Main electrical & Sprinkler Pump 1800 Lpm Head-56 mtr Pump with CI impeller with 40 HP, 2900RPM, TEFC motor and Baseplate, coupling, coupling guard and set of foundation bolts	1	Nos	₹ 171,000	₹ 171,000	₹ 20,000	₹ 20,000	Kirloskar/Lubi
5	Diesel Engine Pump 1800 Lpm Head-56 mtr Pump with CI impeller with 40 BHP, 2900RPM, TEFC motor and Baseplate, coupling, coupling guard and set of foundation bolts	1	Nos	₹ 348,000	₹ 348,000	₹ 20,000	₹ 20,000	Kirloskar/Lubi
5	Jockey Pump End Suction Coupled pump Flow - 180 lpm: CAST IRON impeller 10HP, TEFC motor and Baseplate, coupling, coupling guard and set of foundation bolts	0	Nos	₹ 59,000	₹ 0	₹ 6,000	₹ 6,000	Kirloskar/Lubi
6	Fire panel for main pumps & Jockey Pump	1	SET	₹ 75,000	₹ 75,000	₹ 8,000	₹ 8,000	L&T/Equivalent
8	40Sq mm X 3.5C aluminium armoured Cable as per the IS Standards for fire Main fire pump set (Approx)	50	Mtrs	₹ 405	₹ 20,250	₹ 95	₹ 4,750	Polycab/Firecab
9	12C X 1.5 Sqmm control cable for Diesel engine	0	mtr	₹ 287	₹ 0	₹ 80	₹ 0	Polycab/Firecab

10	10Sq mm X 4C aluminium armoured Cable as per the IS Standards for Jockey Pump connection. (Approx)	10	Mtrs	₹ 148	₹ 1,480	₹ 80	₹ 800	Polycab/Firecab
9	1.5 sq. mm x 2 Flexible Cable for pressure switch. (Approx)	0	Mtrs	₹ 50	₹ 0	₹ 30	₹ 0	Polycab/firecab/Equivalent
10	SITC of pressure switch of suitable range for pump sets accessories	0	Nos	₹ 1,120	₹ 0	₹ 450	₹ 0	Danfoss
11	SITC of pressure gauges of suitable range for pump sets	1	Nos	₹ 1,595	₹ 1,595	₹ 450	₹ 450	H Guru
12	SITC MS Air Release Valve of 25mm dia of approved make for pump house as per standard fire practice.	1	Nos	₹ 956	₹ 956	₹ 350	₹ 350	zoloto/NVR
13	Providing & fixing 25 mm ball valve	3	Nos	₹ 875	₹ 2,625	₹ 250	₹ 750	zoloto/NVR
14	Providing & fixing 20 mm ball valve	0	Nos	₹ 550	₹ 0	₹ 200	₹ 0	zoloto/NVR
15	SITC Butterfly valves of approved make, ISI with necessary bolts, nuts, gasket packing and any other spares, etc. complete.							NVR/Kartar
	100 MM Dia	2	Nos	₹ 3,718	₹ 7,436	₹ 650	₹ 1,300	
	80 MM Dia	1	No	₹ 2,082	₹ 2,082	₹ 500	₹ 500	
16	SITC following sizes CI approved make non-return valve, with necessary accessories							NVR/Kartar
	100 MM Dia	2	Nos	₹ 3,506	₹ 7,012	₹ 650	₹ 1,300	
	80 MM Dia	1	Nos	₹ 1,510	₹ 1,510	₹ 500	₹ 500	
17	Foot Valves, CI body, ball type, Flange ends ISI marked. Rate shall include for supply and providing flanges, necessary gaskets, nuts-bolts with washer of following sizes.					₹ 0	₹ 0	Normax/Equivalent
	100 MM Dia	2	Nos	₹ 7,400	₹ 14,800	₹ 1,500	₹ 3,000	
	80 MM Dia	1	Nos	₹ 4,100	₹ 4,100	₹ 650	₹ 650	
	SUB -TOTAL FOR D					₹ 695,066	₹ 83,146	
E	FIRE ALARM SYSTEM							
1	SMOKE DETECTORS	30	Nos	₹ 500	₹ 15,000	₹ 250	₹ 7,500	
2	ARMOURD CABLE	250	Mtr	₹ 81	₹ 20,250	₹ 35	₹ 8,750	
3	Panel Commissioning	1	Nos	₹ 8,000	₹ 8,000	₹ 3,000	₹ 3,000	
	SUB -TOTAL FOR E					₹ 43,250	₹ 19,250	
SUMMARY								
				SUPPLY		INSTALLATION		
A	WET RISER/DOWN-COMMER SYSTEMS			₹ 216,845		₹ 61,170		
B	SPRINKLER SYSTEM			₹ 162,410		₹ 65,950		
C	COURTYARD HYDRANT SYSTEMS			₹ 88,235		₹ 32,000		
D	PUMP HOUSE			₹ 695,066		₹ 83,146		
E	FIRE ALARM SYSTEM			₹ 43,250		₹ 19,250		
				₹ 1,205,806		₹ 261,516		
TOTAL				₹ 1,467,322				
GST 18%				₹ 264,118				
TOTAL INCLUDING GST				₹ 1,731,440				
Final Noc Charges Extra				₹ 50,000				
GRAND FINAL AMOUNT				₹ 1,781,440				

Terms and Conditions:

- 1) All legal matters subject to Satara Jurisdiction.
- 2) Payment condition accepted as per mentioned in quotation.
- 3) Rates in including in GST.



[Signature]
Principal

[Signature]
Principal

[Signature]
Principal

[Signature]
Secretary