

No.24/Bldg.FSR/DFO/KADRI/MNG/2023

Dated: 23-08-2023

To

The Principal,
St. Marys Central School,
Kinnigoli-574150,
Dakshina Kannada District.

Sir,

Sub: Issue of 'Fire safety recommendation' to St. Marys Central School building, constructed at Sy.No.139/1, 139/2, Mennabettu Village, Kinnigoli, Mulki Taluk, Dakshina Kannada District.


Ref: Your letter dated 09-08-2023.

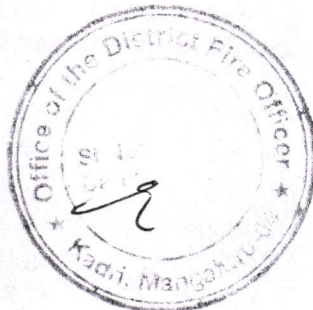
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With reference to the subject above cited the premises of functioning St. Marys Central School building, constructed at Sy.No.139/1, 139/2, Mennabettu Village, Kinnigoli, Mulki Taluk, Dakshina Kannada District was inspected by me on 12-08-2023 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

A. Details of the building / premises :-

- | | | |
|-----|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 01. | Name and Address of the Applicant. | : The Principal,
St. Marys Central School,
Kinnigoli-574150,
Dakshina Kannada District. |
| 02. | Name and Address of the premises. | : St. Marys Central School building
Sy.No.139/1, 139/2,
Mennabettu Village,
Kinnigoli,
Mulki Taluk,
Dakshina Kannada District |
| 03. | Name and address of the Building owner | : The Correspondent.
St. Marys Central School,
Kinnigoli-574150,
Mulki Taluk,
Dakshina Kannada District. |
| 04. | Number of buildings | : One |
| 05. | Number of floors | : Ground floor and 3 upper floors and part of the terrace floor covered with sheet roofing. |


The Principal
St Marys Central School
Kinnigoli - 574 150 D.K.




Correspondent / Manager
ST. MARY'S CENTRAL SCHOOL
KINNIGOLI, D.K.- 574 150

06. **Floor-wise details of occupancy:-**

- Ground floor : 5 class rooms, office room, principal room staff room, digital room, music room and games rooms.
- 1st floor : 8 class rooms, girls rest room and Computer lab.
- 2nd floor : 4 class rooms, chemistry laboratory, biology laboratory, physics laboratory, staff room and library.
- 3rd floor : 8 class rooms, staff room, girls rest room and indoor games.

07. Height of the building : 14.84 mtrs.

08. Site area : 8,498.72 Sq.mtrs.

09. Built-up area of each floor:-

Ground floor : 1,037.10 Sq.mtrs.

1st floor : 987.68 Sq.mtrs.

2nd floor : 1,011.43 Sq.mtrs.

3rd floor : 989.33 Sq.mtrs.

10. Total built-up area : 4,025.54 Sq.mtrs.

11. Surrounding properties:-

North (front) : Partly 12.00 mtrs. wide Kinnigoli - mgodabidre road and partly residential house.

South (Rear) : Partly vacant land and partly residential houses.

East (Side) : Vacant land.

West (Side) : Vacant land.

12. **Open space available around the building :-**

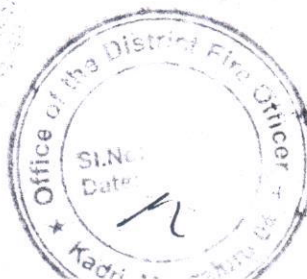
North (front) : Minimum 10.00 mtrs.

South (Rear) : 02.15 mtrs.

East (Side) : 06.10 mtrs.

West (Side) : 01.90 mtrs.

Allowed setbacks (open space) should be maintained free from further obstruction/ construction.



J. P. D. S.
Correspondent / Manager
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B. On inspection of this School/College premises, the following fire prevention, fire fighting and evacuation measures recommended are considered absolutely essential from fire safety point of view :-

Sl. No. (1)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the Premises	The premises abuts 12.00 mtrs. wide Kinnigoli - moodabidre road, located on the eastern side. The road is hardened to carry the weight of 45,000 kgs.	No remarks.
02.	Number of entrances	Provided 02 entrance, each of 04.50 mtrs. width.	No remarks.
03.	Number of staircase	No. of staircases : 02 staircases and 01 ramp. Width of staircases : 01.50 mtr., 01.35 mtr. and ramp of 01.65 mtr. Width of treads : 0.30 mtr. Height of risers : 0.15 mtr. No. of risers per flight : 12 Nos. Height of handrails : 3.40 mtr.	Complied
04.	Number of lifts	01 lift of 06 passengers capacity	No remarks.
05.	Portable extinguishers	15 Nos. ABC powder extinguisher of 6 kgs. capacity.	Apart from that the following portable fire extinguishers shall be provided. A. One water mist extinguisher of 9 ltrs capacity should kept near staircase landing. B. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.

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(01)	(02)	(03)	(04)
06.	Hose reel hose system	Not provided	<p>C. One CO2 type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board & electrical room.</p> <p>D. One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15 mtrs. radius.</p> <p>One Hose reel hose near the staircase (one hose reel hose system for every 1000 Sq. mtrs). The hose reel hose of min 19 mm size and of 30 mtrs. length to reach the farthest point of each floor and shut off branch having a nozzle of 5mm size. The hose reel hose should be connected at each landing.</p>
07.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	<p>The system should be connected to an booster pump of 450 LPM or of 5 HP capacity.</p> <p>Further the system should be connected to an alternative source of power supply.</p>
08.	Diesel generator	Provided generator of 35 KVA capacity.	Diesel generator of 35 KVA capacity should be connected to supply alternative power supply.
09.	Terrace tank	Underground water tank of 40,000 litres capacity available in the premises.	The system should be connected to an overhead tank of 5,000 litres capacity.



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(01)	(02)	(03)	(04)
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Note: If the existing building is not capable of sustaining the weight of 5,000 litres tank capacity provision shall be made to provide water tank on the side of the building with support from ground level by providing RCC column structure or MS column structure.

If there is no option to provide even the abovementioned overhead tank, provision shall be made to provide underground water tank of capacity with submersible pump of 5-7 HP capacity.

(The water tank should be kept exclusively fire fight purpose).

10. Escape routes Not marked

Direction in which the students have to move in the event of an emergency should be displayed in the corridor on each floor during evacuation.

11. Fire order (Fire safety plans) Not displayed

A notice board have been indicated the action should be taken by the employees in case of any emergency should be displayed with the telephone number of Mangaluru Fire Stations (Pandeshwara & Kadri) i.e. 101, 112, 2211085/2213192/2423333 and the telephone number of nearest ambulance service & Police Station.

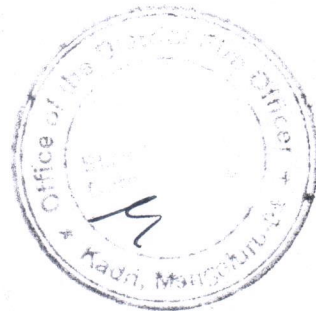
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(01)	(02)	(03)	(04)
12.	No smoking board	Not displayed	COTPA Sec-4 direction No Smoking area smoking here is an offence board should be written in English & Kannada both language shall be prominently displayed at inside the entry / exit of the each floor.
13.	Fire Siren	Not provided	A Fire Siren shall be installed in the premises to inform the inmates in case of a fire emergency and evacuate the area.
14.	Nominate one Fire Nodal Officer	--	A fire nodal officer shall be nominated either from teaching or non teaching staff.
15.	Fire fighting training	Not imparted	At least 40% of Teaching and non Teaching staff should be got trained in basic fire fighting at R.A Mundkur Fire and Emergency Services Academy, Bannerugatta road Bangalore or at the Office of the Chief Fire Officer, Pandeshwara Fire Station Premises, Mangaluru.
16.	<u>Fire precautionary measures :-</u>		
	A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum panel premises.		
	B. Accumulation of combustible waste in and around the premises should be avoided.		
	C. The exit ways shall be always kept clear without any obstruction.		
	D. Liquefied petroleum gas should not be stored in the building.		
	E. The doors shall not be kept locked / latched during working hours and shall be free from obstruction.		
	F. During the class hours the class room doors shall not be locked from inside to out side.		



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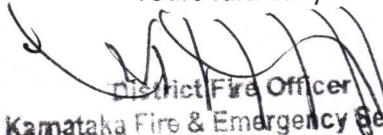
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- G. As per Hon'ble supreme court order all teachers and staffs shall be trained to handle safety equipment, initiate emergency evacuation and protect their students in the event of fire and other emergency and the school shall observe the Fire Safety Day on April 14th of every year by conducting Fire Safety drills with co-ordinate with fire service department.

Under the above circumstance the Karnataka Fire & Emergency Service Department is issuing '**Fire Safety Recommendation**' to St. Marys Central School building, constructed at Sy.No.139/1, 139/2, Mennabettu Village, Kinnigoli, Mulki Taluk, Dakshina Kannada District subject to condition and compliance of the above recommendations in column -4 of serial – B within 3 months and compliance to the undersigned. The applicant has remitted Rs.20,000-00 (Rupees twenty thousand only) vide challan No. CR0823007000308568 dated 23-08-2023 at SBI Bejai-Kapikad branch being the FSR fees.

This Fire Safety Recommendation is valid for only one year from the date of issue and it is Renewable.

Yours faithfully


District Fire Officer
Karnataka Fire & Emergency Services
Kadri Fire Station, Mangaluru

23/08/23

Copy to:-

- 1) The Block Education Officer, Mangaluru North, Balmatta, Dakshina Kannada District.
- 2) Copy submitted to the DGP & DG, Karnataka Fire & Emergency Services, Bengaluru for your kind information.



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