



OFFICE OF FIRE STATION OFFICER
Karnataka Fire & Emergency Services
RAILWAY STATION ROAD, MALUR FIRE STATION
MALUR (TQ),KOLAR (DIST)-563130



No.04/FSTO/MLR/FSR/2024

Dated:24-04-2024

ANNEXURE – 1

Group - B Educational Building
NBC-2016, Part-4, Table 7(11) 3.1.3 Gro
up B Educational Buildings Sub Division B1 & B2.

(These condition are indicative and not exclusive all relevant provisions related to fire and life safety of NBC-2016 are mandatory).

To,
The District Fire Officer,
Karnataka State Fire & Emergency Services,
Fire Station Kolar
Kolar District,

Sir,

Sub: Issue of "Fire safety Recommendations" with respect of fire prevention, fire fighting and evacuation measures required at " M/S JSS Public school ,JSS Institutions complex Malur-Kolar Road , Malur Taluk, Kolar District -563130".

Ref: 1)Your request letter Dated:-18-04-2024.
2)No.37/DFO/KLR/2024, D:18/04/2024.

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With reference to the subject cited above, the premises of at "M/S JSS Public school ,JSS Institutions complex Malur-Kolar Road , Malur Taluk, Kolar District - 563130". was inspected by me on 19-04-2024 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 " JSS Public school ,JSS Institutions complex Malur-Kolar Road , Malur Taluk, Kolar District -563130,
02	Name and Address of the premises.	:	" JSS Public school ,JSS Institutions complex Malur-Kolar Road , Malur

			Taluk, Kolar District -563130
03	Name and address of the Building owner	:	M/S JSS Mahavidyapeetha Ramanuja road Mysore-570004
04	Number of buildings	:	One building only
05	Number of floors	:	Ground Floor + Two Upper Floor Only
06	<u>Floor-wise details of occupancy:-</u>		
	<u>One Building</u>		
	Ground floor	:	08 No's Class room, 04 no office room ,01 no parents waiting room,01 no library room,01 no seminar hall, 01 no store room,01 no ATC lab ,01 no toilet room
	First floor	:	14 No's Class room, 02 no's computer labs, 02 no's staff room ,02 no's toilets
	Second floor	:	11 No's Class room, 03 no's labs, 02 no's staff room ,02 no's toilets, 01 no drawing room, 01 no store room
07	Height of the building	:	11.5 mtrs.
08	Site area	:	8,130.00 Sq Mtrs
09	<u>Built-up area of each floor:-</u>		
	Ground floor	::	2,130.00 sq mtrs
	First floor	::	2,130.00 Sq Mtrs.
	Second floor	::	2,130.00 sq mtrs
10	Total built-up area	:	6,390.00 Sq.Mtrs.
11	<u>Surrounding properties:-</u>		
	East (side)	:	Private land
	West (side)	:	Play ground and Prayer ground
	North (Front)	:	Gudnahalli –Malur road
	South (rear)	:	Vaccant land
12	<u>Open space all around the building :-</u>		
	East (side)	:	Min. 29.9 mtrs.
	West (side)	:	Min. 3,613 sq mtrs. ,(play and prayer ground)

	North (front) :	Min. 7.8 mtrs
	South (rear) :	Min. 3.3 mtrs

B. On inspection of this School 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 is accessible from 10.00 mtrs. Wide Malur-Gudnahalli Road located on the northern side. Are hardened to carry the weight of 45,000 kgs	Complied.												
02	No. of entrances	Two entrances has been provided from the western and northern side	Complied												
03.	No. of staircases available	<table border="1"> <tr> <td>Nos. of staircases</td> <td>03 No.</td> </tr> <tr> <td>Width of staircases</td> <td>1.65 mtrs</td> </tr> <tr> <td>Width of threads</td> <td>30 cms</td> </tr> <tr> <td>Height of risers</td> <td>15 cms</td> </tr> <tr> <td>Number of risers per flight</td> <td>12 risers per Flight</td> </tr> <tr> <td>Height of handrails.</td> <td>1.2 mtr.</td> </tr> </table>	Nos. of staircases	03 No.	Width of staircases	1.65 mtrs	Width of threads	30 cms	Height of risers	15 cms	Number of risers per flight	12 risers per Flight	Height of handrails.	1.2 mtr.	Complied.
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04	Portable extinguisher	Not provided.	<p>Recommended to provided:-</p> <p>a) Four Water Mist Extinguisher of 9 Ltrs. Capacity Should kept Near Each Staircase landing.</p> <p>b) Two Mechanical Foam Extinguisher 9 Ltrs. Capacity & one ABC type Extinguisher of 6Kg Capacity should be provided near Diesel Generator.</p> <p>c) One Co2 Type Fire Extinguisher of 4.5Kgs capacity should be provided near each electrical penal</p>												

			board & Electrical Room. d) One ABC Type Fire Extinguisher of 6Kgs capacity should be available with 15Mtrs Radius
05	Hose reel hose system	Not provided	Hose reel hose systems near the staircases of each building should be provided (two hose reel system should be provided for every 1,000 Sq. Mtrs. built up area of each floor). Hose reel hose of 19 mm size and of adequate length to reach the farthest point of the floor should be provided with shut off branch having a nozzle of 5 mm size. The hose reel hose should be connected at each floor landing.
06	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	Each hose reel hose system should be connected to a Booster pump capable of delivering 450 LPM. or of 5HP capacity. Further the systems should be connected to an alternative source of power supply.
07	Diesel generators.	Not Provided	Diesel Generator of 15 KVA capacity should be provided to supply Alternative Power supply.

08	Terrace tank	Not provided	<p>Each hose reel hose system should be connected to an overhead tank of minimum 10,000 or 5,000 liters capacity and Further if Basement is provided the tank capacity shall be increased to 10,000 Ltrs capacity. (The Water Tank should be kept exclusively fire fighting purpose)</p> <p>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 the ground level by providing RCC column structure or MS column structure.</p> <p>If there are no options to provide even the above mentioned overhead tank provision shall be made to provide underground water tank of capacity with submersible pump of 5-7HP capacity</p>
09	Escape routes	Not Provided	Direction in which the students have to move in the event of an emergency should be displayed in the corridor on each floor during evocation.
10	Fire order (Fire Safety Plans)	Not Provided	A Notice Board indicating the action to be taken by the employees in case of any emergency should be displayed each floor. The Notice board should contain the Telephone number of the Malur FireStation i.e. 08151-234111, & 101 and of near ambulance service
11	No smoking board.	Not Provided	COPTA Sec-4, direction "No Smoking area smoking here is an offence" board should be written in English & Kannada both languages 15 shall be prominently displayed at inside the entry/exit of each floor.
12	Fire Siren	Not Provided	A fire Siren shall be installed in the premises to inform the inmates in case of fire emergency & evacuate the area.
13	Nominate one Fire Nodal Officer	---	A Fire Nodal Officer shall be nominated either from teaching or non-teaching staff
14	Fire fighting training	Not Imported	At least 40% of the staff should be got trained in fire prevention and fire fighting evacuation measures at R.A.Mundkur Fire & Emergency Services Academy, Bannerghatta

Road, Bangalore - 560029.

15 Fire precaution measures :-

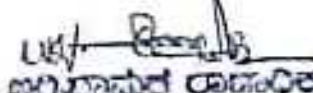
- A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum panel premises.
- B. Accumulation of combustible waste in and around the premises should be avoided.
- C. The exit ways shall be always kept clear without any obstruction.
- D. Liquefied petroleum gas should be not 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 outside.
- G. As per Honourable Supreme Court order all teacher and staff 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 Services Department is issuing Fire Safety Recommendation "M/S JSS Public school ,JSS Institutions complex Malur-Kolar Road , Malur Taluk, Kolar District - 563130". Subject to condition and compliance of the above recommendations as shown in Column-4 of Part-B within 3 months and compliance from the undersigned.

"This Fire Safety Recommendation is valid for Only One Year from the date of issue and it is renewable.

All requirements recommended above are as per National Building Code-2016 Part-4 clause 3.1.3 of Fire and Life safety will have to be complied with mandatorily.

Yours faithfully


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ಮೈಸೂರು ನಗರ 24/04/20
ಕೆ.ಎಂ.ಎ. 563130