



GOVERNMENT OF KARNATAKA

OFFICE OF THE
REGIONAL FIRE OFFICER
KARNATAKA STATE FIRE AND
EMERGENCY SERVICES
HUBBALLI - 580025.

CNO/ 24 /ADV/RFO/HR/2022

Date :28-02-2022

To,
The Principal
Kendriya Vidyalay Vijayapur
Near Afzalpur Takke,
Beside BEO Office,
Vijayapur, Vijayapur District.



Sir,
Sub : Issue of 'Fire safety recommendation/Advice' to Kendriya Vidyalay
Vijayapur at Near Afzalpur Takke, Beside BEO Office, Vijayapur
Taluk, Vijayapur District.

Ref : Applicant request letter Dated 17/02/2022

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With reference to the subject above cited, the premises of Kendriya Vidyalay
Vijayapur School building consisting with ground floor + 1 upper floor situated Near
Afzalpur Takke, Beside BEO Office, Vijayapur Taluk, Vijayapur District was
inspected by me on 26/02/2022 with respect to Fire prevention, Fire fighting and
Evacuation measures to be complied in the above premises and has submitted the
details as under.

ANNEXURE-1

(Up to 14.99 mtrs. in height)

Group B Education Building

NBC-2016, Part-4, Table 7 (11) 3.1.3 Group 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)

A. Details of the building / premises :-

01	Name and Address of the Applicant.	:	The Principal Kendriya Vidyalay Vijayapur Near Afzalpur Takke, Beside BEO Office, Vijayapur, Vijayapur District
02	Name and Address of the premises.	:	Kendriya Vidyalay Vijayapur Near Afzalpur Takke, Beside BEO Office, Vijayapur, Vijayapur District
03	Name and address of the Building owner	:	The Principal Kendriya Vidyalay Vijayapur Near Afzalpur Takke, Beside BEO Office, Vijayapur, Vijayapur District
04	Number of buildings	:	01

28/2/2022

05	Number of floors	:	Ground Floor + 1 Upper Floor
06	<u>Floor-wise details of occupancy:-</u>		
	Ground floor	:	Exam Room, Office/Record Room, Principal Room, Medical Room, P.S.Room-07, Head Mistress Room, Activity Room, Store Room-3, Staff Room, Art Room, Bio Lab, Chemistry Lab, Pet Room, Teachers Room-2, Soc-SC Lab, Computer Room, NCC Room, HS Room-04.
	First floor	:	H.S.Room-10, P.S.Room-03, Work shop, Library, Physics Lab.
07	Height of the building	:	08.40 Mtrs.
08	Site area	:	7 Acre 00 Gunta
09	Built-up area of each floor:-		
	Ground floor	:	2635.00 Sq.mtrs
	First floor	:	2635.00 Sq.mtrs
10.	Total built-up area	:	5270.00Sq. Mtrs.
11.	Surrounding properties:-		
	East	:	BEO Office
	West	:	Open Land
	North	:	Approach 15 mtr Wide Road
	South	:	Play Ground
12.	<u>Set-back area available around the building :-</u>		
	East	:	07.00 Mtrs.
	West	:	10.00 Mtrs.
	North	:	12.00 Mtrs.
	South	:	Play Ground
Allowed setbacks (open space) should be maintained free from further obstruction / construction			

Note : Recommended to provide and maintain setbacks as per Local ZR.

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 is abutting by 15.00 mtrs. wide hard surfaced road located on Northern side.	Adequate

02.	No. of entrances	01 no. of entry & 04 nos. of exit.	Recommended to provide at least 1 entry & 1 exit.																								
03.	Width of entry / exit	01 no. of 1.98 mtrs Entrance And 02 Exits are 2.04 mtrs and another 02 exit are 01.54 mtrs.	Adequate Minimum 06.00 mtrs. width with height clearance of minimum 05.00 mtrs. from ground level.																								
04.	Diesel generators.	Provided one Diesel generators 50.00 KVA capacity.	Recommended to provide Diesel Generator of 30 KVA capacity.																								
05.	No. of staircases available	<table border="1"> <tr> <td>Nos. of staircases</td> <td>:</td> <td>02</td> </tr> <tr> <td>Width of staircases</td> <td>:</td> <td>1.43 mt</td> </tr> <tr> <td>Width of treads</td> <td>:</td> <td>30 cm</td> </tr> <tr> <td>Height of risers</td> <td>:</td> <td>16 cm</td> </tr> <tr> <td>Nos. of riser per flight</td> <td>:</td> <td>12</td> </tr> <tr> <td>Height of handrails</td> <td>:</td> <td>0.90 mt</td> </tr> <tr> <td>Head room clearance</td> <td>:</td> <td>2.20 mt</td> </tr> <tr> <td>Capacity of lifts</td> <td>:</td> <td>--</td> </tr> </table>	Nos. of staircases	:	02	Width of staircases	:	1.43 mt	Width of treads	:	30 cm	Height of risers	:	16 cm	Nos. of riser per flight	:	12	Height of handrails	:	0.90 mt	Head room clearance	:	2.20 mt	Capacity of lifts	:	--	Adequate Recommended to provide staircases maintaining travel distance with 22.50 mtrs. with minimum 02.00 mtrs. width, 30 mm treads width, 15 mm treads height, 1 mtr. Handrail, with minimum 02.20 head room clearance.
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06.	Fire extinguisher	Provided 15 nos. of ABC type fire Extinguisher 03 of 05 kg & 12 of 02 kg capacity, 02 nos. of CO2 Extinguisher of 02 kg capacity & 02 nos. of Water type extinguisher 09 ltrs. capacity.	<p>A. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing.</p> <p>B. One mechanical foam extinguisher of 9 ltrs. capacity & One ABC type extinguisher of 6 kgs. capacity should be provided near diesel generator.</p> <p>C. One CO2 type fire extinguisher, of 4.5 kgs. capacity should be provided near each electrical panel board & electrical room.</p>																								



138

139



			<p>building is not capable of sustaining the weight of 5000/10000 trs 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.</p> <p>If there is no option to provide even the above mentioned overhead tank provision shall be made provide underground water tank of capacity with submersible pump of 5 to 7 HP capacity.</p>
11.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	---	<p>Recommended to provide booster pump of 450 lpm capacity or of 5 HP Capacity. Further the system should be connected to an alternative source of power supply.</p>
12.	Fire control room at ground floor.	Provided Fire control room at ground floor	-
13.	Escape routes	Direction shown in which the employees/ Students should have to move in the event of any emergency have been marked with luminous paint at each floor directing the employees towards emergency exits.	-
14.	Fire order	---	Fire safety plans has to be indicated with details of actions to be taken in case of an emergency

			near staircase landings at each floor with telephone numbers of Vijayapur fire station i.e., 08352-270160 & 101 telephone numbers of the nearest Ambulance service & Police Station.
15.	No smoking board	---	COPTA 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.
16.	Fire Siren	Not Installed	A Fire Siren shall be installed in the premises to inform the inmates in case of a fire emergency and evacuate the area.
17.	Nominate one Fire Nodal Officer	-	A Fire Nodal officer shall be nominated either from teacher non teaching staff
18.	Fire fighting training	---	At-least 40% of employees shall be got trained in basic fire fighting at R.A.Mundkur fire & Emergency Services Academy, Bannerughatta road, Bangalore within 3 months or at an early date. And shall be submitted to this office.
19.	Fire precautionary measures:- A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum		



7
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 outside.
- 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 And Emergency Service Department is issuing **Fire Safety Recommendation** to Kendriya Vidyalay Vijayapur situated at Near Afzalpur Takke, Beside BEO Office, Vijayapur, Vijayapur District subject to condition and compliance of the above recommendations in column 4 of serial B within 03 months compliance to the undersigned.


✱All requirements recommended above are as per National Building Code-2016 Part-4 clause 3.1.4 of Fire and Life safety will have to be complied with mandatorily.

From the above details it is clear that the 'Management' of the above Educational building have been recommended to provide fire precautionary measures as per National Building Code 2016, Part-4, Table 7 (11) 3.1.3 Group B Educational Buildings Sub division B1 & B2. After full-filling the above recommendations, a Certificate should be obtained by this office. *If at any time any of the conditions are found not complied with, this Certificate shall stand withdrawn/cancelled.*

The **Fire Safety Recommendation** is valid for a period of one year from the date of issue and it is renewable.



Yours faithfully,


Regional Fire Officer
Karnataka State Fire and
Emergency Services
HUBLI - 25