

C.NO/35/ADV/CFO/HBL/2021

To,
Principal
Royal Palace School,
Ramateerth, Jamakhandi,
Bagalkot District.

Sir,

Sub : Issue of 'Fire safety recommendation/Advice' to Royal Palace School
Ramateerth, Jamakhandi Taluk, Bagalkot District.

Ref : 1) Applicants request letter
2) C.No.211/DFO/Bagalkot/2021 Dated 25/06/2021

**_*_*_*_*_*_*_*

With reference to the subject above cited, the premises of Royal Palace School building consisting with Basement, ground floor + 2 upper floors consisting with 2 blocks joined together i.e. Block A & B situated at Ramateerth, Jamakhandi Taluk, Bagalkot District was inspected by the District Fire Officer, Bagalkot on 16/03/2021 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)

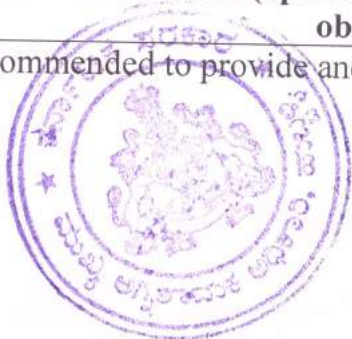
A. Details of the building / premises :-

01	Name and Address of the Applicant.	:	Principal Royal Palace School, Ramateerth, Jamakhandi, Bagalkot District.
02	Name and Address of the premises.	:	Royal Palace School, Ramateerth, Jamakhandi, Bagalkot District.
03	Name and address of the Building owner	:	Sri Anand . S. Nayamagouda At : Girish Nagar, Jamakhandi Bagalkot District.



04	Number of buildings	:	One (01) Building with 02 Blocks joined together.
05	Number of floors	:	Block – A BF+GF+02 Floor Block - B GF+02 Floor
06	<u>Floor-wise details of occupancy:-</u>		
	Block A	Basement Floor	: Laboratory -03, Class Room-02
		Ground floor	: Administrative Room, Principal Room, Chairman Room, Class Room-05
		1 st floor	: Class Room-05
		2 nd floor	: Class Room-02, Multipurpose Hall.
	Block B	Ground floor	: Office, Record room, Class Room-04.
		1 st floor	: Staff Room, Office, Class Room-04
		2 nd floor	: Staff Room, Rooms-06.
07	Height of the building	:	Block - A 14.75 Mtrs. Block – B 10.50 Mtrs.
08	Site area	:	04.20 Acres.
09	Built-up area of each floor:-		
	Block A	Basement Floor	: 535.00 Sq. Mtrs.
		Ground floor	: 535.00 Sq. Mtrs.
		1 st floor	: 535.00 Sq. Mtrs.
		2 nd floor	: 535.00 Sq. Mtrs.
	Block B	Ground floor	: 615.00 Sq Mtrs
		1 st floor	: 615.00 Sq Mtrs
		2 nd floor	: 615.00 Sq Mtrs
10.	Total built-up area	:	3985.00 Sq. Mtrs.
11.	<u>Surrounding properties:-</u>		
		East (Side)	: Forest Land
		West (Side)	: Temple Premises
		North (Front)	: Approach Road
		South (Rear)	: Road
12.	<u>Set-back area available around the building :-</u>		
		East (Side)	: 01.00 Mtrs.
		West (Side)	: 01.00 Mtrs.
		North (Front)	: 50.00 Mtrs.
		South (Rear)	: 100.00 Mtrs.
	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 Educational 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 09.00 mtrs. wide hard surfaced road located on Northern side.	Adequate
02.	No. of entrances	01 no. of entry & exit.	Recommended to provide at least 1 entry & 1 exit.
03.	Width of entry / exit	05.30 mtrs wide.	Adequate Minimum 06.00 mtrs. width with height clearance of minimum 05.00 mtrs. from ground level.
04.	Diesel generators.	Provided 25 KVA Standby Generator	Adequate
05.	No. of staircases available	Nos. of staircases : 2+1	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.
		Width of staircases : 1.50 mt	
		Width of treads : 30 cm	
		Height of risers : 15 cm	
		Nos. of riser per flight : 10	
		Height of handrails : ---	
		Head room clearance : 2.80 mt	
06.	No. lifts and capacity.	Nos. of lifts : Nil	N/A
		Capacity of lifts : --	
07.	Fire extinguisher	---	A. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing. B. One mechanical foam extinguisher of 9 ltrs. capacity & One ABC type extinguisher of 6



			<p>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> <p>D. One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15 mtrs. radius.</p>
08.	Public address system	---	<p>Recommended to Provide Public address system with talk back facility at each floor of the School building with its 'control' at the ground floor level at security room.</p>
09.	First aid Hose reel hose.	---	<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 adequate length to reach the farthest point of each floor should be provided shut off branch having a nozzle of 5mm size. The hose reel hose should be connected at each landing of each building/block/wing/tower.</p>
10.	Automatic sprinkler system.	---	<p>Recommended to provide automatic sprinkler system for every 06.96 sq.mtrs. in the basement area.</p>



11.	Terrace tank over respective tower terrace.	Provided 02 Nos. of O/H tanks each 5000 ltrs capacity.	Terrace tank required 10,000 ltrs. Capacity for each down comer system. (The water tank should be kept exclusively fire fight purpose)
12.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	---	Recommended to provide booster pump of 450 lpm capacity for each down comer system. Further the system should be connected to an alternative source of power supply.
13.	Fire control room at ground floor.	---	Recommended to provide fire control room at the entrance/security room.
14.	Escape routes	---	Recommended to Provide Direction 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.
15.	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 Jamakhandi fire station i.e., 08353-238231 &



			101 telephone numbers of the nearest Ambulance service & Police Station.
16.	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.
17.	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.
18.	<p>Fire precautionary measures:-</p> <p>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.</p> <p>B. Accumulation of combustible waste in and around the premises should be avoided.</p> <p>C. The exit ways shall be always kept clear without any obstruction.</p> <p>D. Liquefied petroleum gas should not be stored in the building.</p> <p>E. The doors shall not be kept locked/latched during working hours and shall be free from obstruction.</p> <p>F. During the class hours the class room doors shall not be locked from inside to outside.</p> <p>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.</p>		



The Karnataka Fire & Emergency Service Department is issued the Fire Safety recommendations in compliance to the undersigned, within 90 days.

♣ **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.*

Hence, On the report submitted by the District Fire Officer Bagalkot this recommendations is issued to Royal Palace School building consisting with Basement, ground floor + 2 upper floors consisting with 2 blocks joined together i.e. Block A & B situated at Ramateerth, Jamakhandi Taluk, Bagalkot District.

This certificate is valid for a period of one year from the date of issue of this letter and is renewable.



Copy to the District Fire Officer Bagalkot.

Yours faithfully,

Santhosh
25/3/2021
CHIEF FIRE OFFICER
Karnataka State Fire and
Emergency Services, Hubballi Zone
HUBBALLI-25