



**Office of the Chief Fire Officer
Bengaluru-East Zone,
Karnataka Fire & Emergency Services Department
No. 04, Commissariat Road, Bengaluru-560 025.**



No. 936(15)/CFO/Bng-East/FSR/2020

Dated: 22-12-2020.

ANNEXURE – 1

Group - B Educational 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).

To,
The Principal,
M/s. RV College of Engineering,
R.V. Educational Institutions,
R.V. Vidyaniketana Post, Mysore Road,
Bangaluru-560059.

Sir,

Sub: Issue of “Fire Safety Recommendation” with respect of fire prevention, fire fighting and evacuation measures required at “Mechanical Post Graduate Block, M/s. RV College of Engineering, RV Educational Institutions, RV Vidyaniketana Post, Mysore Road, Bangaluru-560 059”- reg.

Ref : 1) Your request Letter dated : 03-11-2020.
2) Inspection Report No.85/DFO/NFS/Advice/20 dt:14/12/20.

With reference to the subject cited above, the premises of “Mechanical Post Graduate Block, M/s RV College of Engineering, RV Educational Institutions, RV Vidyaniketana Post, Mysore Road, Bangaluru-560 059” was inspected by the District Fire Officer, North Fire Station, Bengaluru on 13-11-2020 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, RV College of Engineering, R.V.Educational Institutions, R.V.Vidyaniketana Post, Mysore Road, Bangaluru-560059.
02	Name and Address of the premises.	:	Mechanical Post Graduate Block RV College of Engineering, R.V. Educational Institutions, R.V. Vidyaniketana Post, Mysore Road, Bangaluru-560059.



03	Name and address of the Building owner	:	Rashtreeya Sikshana Samithi Trust R.V.College of Engineering Bangalore.-59.
04	Number of buildings	:	01 building i.e. Mechanical Post Graduate Block.
05	Number of floors	:	Basement +Ground+ 03 upper floors
06	Floor-wise details of occupancy:-		
	Basement floor	:	Two Wheeler parking.
	Ground floor	:	Class rooms-04, Wash rooms-02.
	1 st floor	:	Class rooms-06, Wash rooms-02.
	2 nd floor	:	Class rooms-04, Faculty-01, Wash rooms-02, MEPG-01.
	3 rd floor	:	Class rooms-02, wash rooms-02.
07	Height of the building	:	14.10 mtrs.
08	Site area	:	26 acres 19 kuntas.
09.	Built-up area of each floor:-		
	Basement floor	:	276.456 Sq.mtrs
	Ground floor	:	488.909 Sq.mtrs
	1 st floor	:	438.770 Sq.mtrs
	2 nd floor	:	430.637 Sq.mtrs
	3 rd floor	:	447.052 Sq.mtrs
10.	Total built-up area	:	2,081.824 Sq. Mtrs.
11.	Surrounding properties:-		
	North (Front)	:	Bangalore Mysore High way road.
	South (Rear)	:	Vrishabhavathi Naala
	East(Side)	:	VRL BUS Garrage
	West(Side)	:	Private Property
12.	<u>Set-back area available around the building :-</u>		
	North (Front)	:	08 mtrs
	South (Rear)	:	08 mtrs
	East(Side)	:	08 mtrs
	West(Side)	:	08 mtrs


Part-B. On inspection of this Industrial 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 24 mtrs wide Bangalore Mysore Highway road on Northern side and hard enough to carry the weight of 45.000.kgs.	Complied.



02.	No. of entrances	02 entrance & exit has been provided.	Complied.
03.	Width of entry / exit	02 entrance & exit of 6.70 mtrs in Northern side has been provided from Bangalore mysore high way road.	Complied.
04.	Diesel generators.	04 Diesel generators, one of 600 KVA capacity, 500 KVA capacity, 380 KVA capacity and 250 KVA capacity has been provided and connected to all staircase lighting, corridor lightings & other utilities.	Complied.
05.	No. of staircases available	Nos. of staircases : 01 No.	Complied.
		Width of staircases : 1.50 mtrs each	
		Width of treads : 30 cms	
		Height of risers : 15 cms	
		Nos. of riser per flight : 15	
		Height of handrails : 1.10 mtrs	
		Head room clearance : 2.40mtrs.	
06.	No. lifts and capacity.	Nos. of lifts : 01	Complied.
		Capacity of lifts : 10 persons	
07.	Fire extinguisher	04 Nos of ABC powder extinguishers, each of 6 kgs capacity, 05 Nos of water mist type of extinguishers, each of 4 kgs capacity, and 04 Nos of CO ₂ extinguishers each of 02 kgs has been provided in the each floor.	Complied.
08.	Public address system	Public address system with two communication facility has been provided.	Complied.
09.	First aid Hose reel hose.	Down comer system with 05 Nos. single headed hydrant outlet has been provided near the staircase at each floor. Hose reel hose of 40.00 mtrs length with a shut off branch has been provided near each hydrant outlet. The riser dia is 100 mm and GIC class pipe has been provided.	Complied.



10.	Manually operated electronic Fire alarm system.	Manually operated electrical fire alarm system with manual call points at each floor near the staircase landing have been installed and maintained with its fire alarm control at ground floor level.	Complied.
12.	Terrace tank over respective tower terrace.	The system has been connected to overhead tank of 25,000 liters capacity.	Complied.
13.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	The system has been connected to booster pump capable of delivering 900 LPM at minimum pressure of 3.5 kg/cm ² installed near the overhead tank.	Complied.
14.	Automatic sprinkler system	Not provided.	Automatic sprinkler system with one sprinkler head for every 6.96 Sq.mtrs of built up area should be provided at basement.
15.	Fire control room at ground floor.	The fire control panel has been provided at ground floor.	Complied.
16.	Escape routes	Escape routes has been marked at each floor to guide the employees in case of any emergency.	Complied.
17.	Fire order	Notice board indicating with the details of action to be taken by the employees in case of any emergency/ fire has been displayed near the staircase landing at each floor with telephone number of North Fire Station i.e. 22971536 and 101 of nearby Services.	Complied.
18.	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.
19.	Fire fighting training	Not provided.	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.
<p><u>Fire precautionary measures :-</u></p> <p>A) Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sub panel premises.</p> <p>B) Accumulation of combustible waste in and 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 Honorable 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 Fire Service department.</p>			

Under the above circumstance, the Karnataka Fire & Emergency Services Department is issuing Fire Safety Recommendation to "Mechanical Post Graduate Block, M/s RV College of Engineering, RV Educational Institutions, RV Vidyaniketana Post, Mysore Road, Bangalore-560 059" subject to condition stipulated above and compliance of the above recommendations as shown in Column-4 of serial-B within 3 months and compliance should be obtained 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 3.1.6 of Fire and Life safety will have to be complied with mandatorily.

Copy to the District Fire Officer,
North Fire Station, Bangalore.



Yours faithfully,

Chief Fire Officer
Bengaluru East Zone
Bengaluru