

No.32/DFO/RNFS/Advice-/2019.

Office of the District fire officer,
Ramanagar Fire station,
Karnataka fire & Emergency Service,
Ramanagara-562159.

ANNEXURE-B

"B1 & B2 – Schools upto senior secondary level and other institutions"
NBC-2016, Part-4, Table 7 (11) 3.1.3 Group B Educational Buildings

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

To,
The Chief Fire Officer,
Bangalore East Zone,
Karnataka Fire and Emergency Services
Bangalore-560025.

Sub :Issue of 'Fire safety recommendation' to Rishi Samskruthi Vidaya Shale
Doddamaralawdi, Harohalli, Kanakapura tq, Ramanagara Dist-562121.
Ref:C.No.849/CFO/BNG-East/2019.Dated: 16-10-2019.

With reference to the subject above cited, the premises of Rishi Samskruthi Vidaya Shale Doddamaralawdi, Harohalli, Kanakapura tq, Ramanagara Dist-562121.was inspected by the District Fire Officer, Ramanagara on.24/10/2019 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, Rishi Samskruthi Vidaya Shale, Doddamaralawdi, Harohalli, Kanakapura tq, Ramanagara Dist-562121.
02	Name and Address of the premises.	:	Rishi Samskruthi Vidaya Shale, Doddamaralawdi, Harohalli, Kanakapura tq, Ramanagara Dist-562121.
03	Name and address of the Building owner	:	Rishi Samskruthi Vidaya Kendra Trust Reg, Doddamaralawdi, Harohalli, Kanakapura tq, Ramanagara Dist-562121.
04	Number of buildings	:	02 Building

05	Number of floors	Building-01 : Building-02 ;	Ground + 1 upper floor Ground +2 upper floor
06	<u>Floor-wise details of occupancy:-Block- 01.</u>		
	<u>Building-01</u>	<u>Ground floor</u> : <u>1st floor</u> ;	Principal room-01,Class room-02 Class room-02,Staff room-01
	<u>Building-02</u>	<u>Ground floor</u> : <u>1st floor</u> ; <u>2nd floor</u>	Class room-03 Class room-03, Class room-02.
07	Height of the building	Building-01 : Building-02 ;	07.10 mtrs 06.30 mtrs
08	Site area	:	30 Acer
09	Built-up area of each floor:-		
	Building-01	Ground floor	: 200.67 Sq. mtrs.
		1 st floor	: 200.67 Sq. mtrs.
	Building-02	Ground floor	: 200.67 Sq. mtrs.
		1 st floor	: 200.67 Sq. mtrs.
		2 nd floor	: 200.67 Sq. mtrs.
10	Total built-up area		1003.35 Sq.mtrs
11.	Surrounding properties:-		
	Building-01 &02	East (rear)	: Applicant land
		West(front)	: Applicant land
		North(side)	: Applicant land
		South(side)	: Applicant land
12.	<u>Set-back area available around the building :-</u>		
	For Both Building-1 & Building -2	East (rear)	: 06.00.mtrs.
		West(front)	: 06.00. mtrs.
		North(side)	: 6.00.mtrs.
		South(side)	: 6.00.mtrs.

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 accessible from 10 mtrs Approach road.	Adequate																					
02.	No. of entrances	01 entrances, 01 exit	Adequate																					
03.	Width of entry / exit	02.20 .mtrs entry from north 03.30.mtrs entry from east	Adequate																					
04.	Diesel generators.	Not provided	Not required																					
05.	No. of staircases available	<table border="1"> <tr> <td>Nos. of staircases</td> <td>:</td> <td><u>Building-01</u> 01 Staircases <u>Building-02</u> 01 stair case</td> </tr> <tr> <td>Width of staircases</td> <td>:</td> <td>1.80 mtrs & 1.50 mtrs</td> </tr> <tr> <td>Width of treads</td> <td>:</td> <td>12 cms & 12 cms</td> </tr> <tr> <td>Height of risers</td> <td>:</td> <td>15 cms. & 16 cms</td> </tr> <tr> <td>Nos. of riser per flight</td> <td>:</td> <td>11 & 12</td> </tr> <tr> <td>Height of handrails</td> <td>:</td> <td>1 mtrs & 1 mtrs</td> </tr> <tr> <td>Head room clearance</td> <td>:</td> <td>Open to sky</td> </tr> </table>	Nos. of staircases	:	<u>Building-01</u> 01 Staircases <u>Building-02</u> 01 stair case	Width of staircases	:	1.80 mtrs & 1.50 mtrs	Width of treads	:	12 cms & 12 cms	Height of risers	:	15 cms. & 16 cms	Nos. of riser per flight	:	11 & 12	Height of handrails	:	1 mtrs & 1 mtrs	Head room clearance	:	Open to sky	Complied
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06.	No. lifts and capacity.	<table border="1"> <tr> <td>Nos. of lifts</td> <td>:</td> <td>Nil</td> </tr> <tr> <td>Capacity of lifts</td> <td>:</td> <td>-</td> </tr> </table>	Nos. of lifts	:	Nil	Capacity of lifts	:	-	Complied															
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07.	Fire extinguisher	<u>Building-01</u> <u>In Ground floor</u> Provided 03 ABC 06 Kg capacity fire extinguishers has been installed in an appropriate places. <u>In First floor</u> Provided 03 ABC 06 Kg capacity fire extinguishers has been installed in an appropriate places.	Complied																					
		<u>Building-02</u> <u>In Ground floor</u>	Complied																					

		<p>Provided 02 ABC 06 Kg capacity fire extinguishers has been installed in an appropriate places</p> <p><u>In First floor</u> Provided 02 ABC 06 Kg capacity fire extinguishers has been installed in an appropriate places.</p> <p><u>In Second floor</u> Provided 02 ABC 06 Kg capacity fire extinguishers has been installed in an appropriate places.</p>	
08.	Public address System	Not Provided	P.A System should be provided to communicate all employes in a single command.
09.	First aid Hose reel hose.	Not Provided	As proposed 02 Nos Hose reel hose of 19 mm size and of adequate length to reach the farthest point of the each floor, near each staircase shall be provided with a shutoff branch having a nozzle of 5mm size near each internal hydrant.
10.	Automatic sprinkler system.	Not Provided	Not required.
11.	Terrace tank over respective tower terrace.	Not Provided	An overhead tank of 10,000 ltrs of water capacity should be provided and further its connected to an hydrant line.
12.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not Provided	At the top of the building & farthest point of the building the pump shall be maintained 3.5 kg/cm ² pressure.
13.	Fire control room at ground floor.	Not provided	Not required

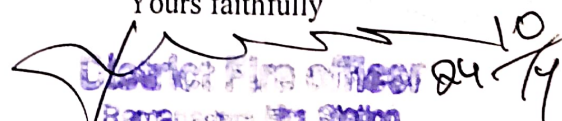
14.	Escape routes	Indicated at each passage to visibly to guide all the teachers and students to move safer places incase of an emergencies.	Provided
15.	Fire order	Not Provided	A Notice board indicated with the details of action to be taken in case of an emergency with Telephone number of nearest Fire Station. Kanakapura Fire Station i.e. 9448702595 & 101 & near by Ambulance Service. Shall be displayed at strategic points.
16.	Fire fighting training	Not trained.	At least 40% o f 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- 560 0 29. Within 3 months from the date of issue of Advice.

From the above details it is clear that the applicant has been incorporated all the required fire prevention and fire fighting measures in the drawings. Hence herewith recommended to issue Advice for the low rise School Building at to Rishi Samskruthi Vidaya Shale Doddamaralawdi, Harohalli, Kanakapura tq, Ramanagara Dist-562121.

❖ 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.

Submitted for your kind perusal and necessary action.

Yours faithfully


District Fire Officer
Ramanagara Fire Station
Ramanagara, Ramanagara Dist-562121