

Karnataka State Fire
No. 19/DFO/BIDAR/ADVICE/2023



And Emergency Services
Dated: 30/05/2023

To,
The Principal
Gnyana Sudha Vidyalaya
Sy.no. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401
Under Gnyana Sudha Education Society ®
Bidar-585401.
Sir,

Sub:- Issue of "Fire Safety Recommendations" Gnyana Sudha Vidyalaya
Sy.no. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401 Under Gnyana
Sudha Education Society ® Bidar-585401.

Ref :- Applicants letter on Date: 29/05/2023

With reference to the subject above cited, the premises Gnyana Sudha Vidyalaya
Sy.no. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401 Under Gnyana Sudha Education
Society ® Bidar-585401. was inspected by, Me on 30/05/2023 with respect to fire
prevention, fire fighting and evacuation measures to be Provided in the above premises
and Submitted building details as under.

A-Details of the Building/Premises:-

01.	Name and Address of the applicant.	:	The principal M/S Gnyana Sudha Education society survey No. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401 Karnataka
02.	Name and Address of the premises.	:	Gnyana sudha vidyalaya M/S Gnyana Sudha Education society survey No. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401 Karnataka
03.	Name and Address of the Building owner.	:	President M/S Gnyana Sudha Education society survey No. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401 Karnataka
04.	Number of Buildings	:	01
05.	Number of floors	:	Ground +03 upper floor
06.	Floor-wise details of occupancy :-		
	Ground floor		Class room 14, library 01, store room 01, president room 01, sick room 01, staff room 01, computer room 01, principal room 01 toilet -02
	First Floor		Class room 14, science lab -03 , staff room 03, toilet -02
	Second floor		Class room 14, staff room 03, toilet -02

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	Third floor		Clas room 14, auditorium 01, toilet 03
07	Height of the building	:	14.04 Mtrs
08	Site area	:	11703.2 sqmtrs
09	Built-up area of each floor :-		
	Ground floor	:	2925.80 sqmtrs
	First Floor	:	2925.80 sqmtrs
	Second floor	:	2925.80 sqmtrs
	Third floor	:	2925.80 sqmtrs
10	Total built-up area	:	11703.2 sqmtrs
11	Surrounding properties:-		
	East	:	Open land
	West	:	Bidar to benakanhalli 30 mtrs wide main road
	North	:	Open land
	South	:	Open land
12.	Set back area available around the Building:-		
	East	:	06 mtrs
	West	:	06 mtrs
	North	:	06 mtrs
	South	:	06 mtrs
			Recommended: To provide as per Local Zonal Regulations.

A. On inspection of this Educational premises, the following fire prevention, fire fighting and evacuation measures are 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 Gumpa Ring Road of width 30 mtrs towards western side	Complied with
02	No. of entrances	02 No of entrance provided 02.50 mtr wide gate towards the western side	Complied with
03.	Width of entry / exit	02 No of Entry of 3.5 mts wide gate.	Complied with
04.	Diesel generators.	Provided with 50 KV Stand by generator is available	Complied with
05.	No. of staircases available	Nos. of staircases : 2 No	
		Width of staircases : 01.10 mtr	
		Width of treads : 0.30 mtr	

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		Height of risers	:	0.15 mtr	0.15 mtr	
		Nos. of riser per flight	:	11	11	
		Height of handrails	:	0.90 Mtrs.	0.90 Mtrs.	
		Head room clearance	:	02.25 Mtrs.	02.25 Mtrs.	
06.	No. of stretcher ramps and width	No. of ramps	:	--	--	
		Width of ramps	:	--	--	
07.	No. lifts and capacity.	Nos. of lifts	:	01		
	No. of Patients lifts.	Capacity of lifts	:	08 person		
08	Details of Sprinkler System provided, its condition and capacity of Tank & pump of the sprinkler system.	Sprinkler System at the rate of one sprinkler head for each 06.96 sq mtrs as per NBC 2016				Complied with
09	Fire extinguisher	06 No. Abc 02 No Co2 Fire extinguisher provided				Recommended to provide 03 Nos ABC FE each 05 kgs capacity, 01 water co2 09 ltrs capacity, 2 No.s CO2 4.5 Kg Capacity provided in ground floor. 1) 03 Nos ABC FE each 05 kgs capacity, 01 water co2 09 ltrs capacity, 2 No.s CO2 4.5 Kg Capacity provided in first floor. 2) 03 Nos ABC FE each 05 kgs capacity, 01 water co2 09 ltrs capacity, 2 No.s CO2 4.5 Kg Capacity

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			provided in second floor. 3) 03 Nos ABC FE each 05 kgs capacity, 01 water co2 09 ltrs capacity, 2 No.s CO2 4.5 Kg Capacity provided in third floor.
10	Public address System	Provided Public address system with two way communication facility at each floor of this building with its 'control' at the ground floor level.	Complied with
11	First aid	Not provided	Recommended to provide First aid
12	Wet riser and Hose reel hose.	provided one wet riser system at the staircase the must raiser must be of 100 mm int Dia. And made of G.L.C' Class pipe. From each riser single hydrant outlet valves shall be provided at each landing. an hose reel hose of 30 mts length with M.S Drum And 2 RRL Length Each of 15 mts length with branch pipes shall be provided inside the hose cabinet inside at each floor each raiser system shall be connected tank of 75000 ltrs capacity and over head tank of 10000 ltrs capacity with an <u>Electric driven pump each of 1620 LPM discharge capacity</u> , <u>Jockey pump of 180 LPM Discharge capacity</u> and a <u>diesel driven pump each of 1620 LPM</u>	Complied with
13	Fire prevention measures	1. Explosives and inflammable materials should not be stored in the premises. 2. Accumulation of combustible waste in and around the premises should be avoided. 3.the door shall not be kept locked / latched and shall be free from obstructions	--

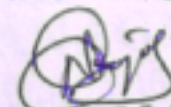
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		<p>4. cc cameras so provided all around the building at the strategic location to be maintained</p> <p>5. on site and off site emergency plans must be prepared the mock drill, evacuation drill must be conducted twice a year and wet riser and sprinkler systems must checked internally with record</p>	
14	Terrace tank over respective tower terrace.	Terrace Tank of 10,000 Ltrs for purpose.	Complied with
15	Under ground Water tank	Tank of 1,00,000 Ltrs for Hospital purpose.	Complied with
16	Automatic detection and alarm system.	provided automatic smoke detection & Alarm system at the strategic location as per NBC 2016.	Complied with
17	Fire control room at ground floor.	provided separate fire control room at ground floor nearby staircase.	Complied with
18	Escape routes	Not provided	Recommended to provide board with illuminated points for in which direction to go outside from the building for patient & staff and also separate light arrangement to the illumination board by doing from battery operated.
19	Manually operated electronic Fire alarm system.	Manually operated electrical fire alarm system has to be installed each floor with call boxes located near each "break glass" type, where the call is transmitted automatically to the control room when the glass of the system is broken.	Complied with



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		The call boxes have to installed that their location can be easily noticed from either direction and will be at a height of one meter from the floor level.	
20	Fire order	Notice boards indicating with Details of action to be taken by the employees in case of an Emergency/fire has been displayed with telephone Number of Bidar Fire Station i.e. 08482-226500 & 101 and of near by Ambulance Service.	Complied with
	Fire fighting training	03 persons trained inf fire fighting at the R.A Mudkur Fire & Emergency Services Academy Bannerughatta road Bangalore 1) Sri sanjeev s/o kashinath 2) Sri prakash s/o maruthirao 3) Sri manjunath s/o Basavarj	Complied with

Hence this "Fire Safety Recommendation" is issued to Gnyana Sudha Vidyalaya Sy.no. 7/1 & 7/2 Shivanagar Mamankere Bidar 585401 Under Gnyana Sudha Education Society ® Bidar-585401. subject to strict adherence of the conditions as laid down in this Recommendations and to check the portable fire extinguishers & hose reel hose system & pump system to conduct mock drills periodically And the management must not extend the height of the building beyond 15.0 meters. and this Recommendations is valid for a period of one year from the date of issue.

Your's faithfully,
30/05/23
District Fire Officer
Bidar District

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