

No.40/FSR/CFO/MD/2018

To,

The Principal,  
B.G.S. Central School,  
Karehalli,  
Bhadravathi,  
Shivamogga District.

Sir,

Sub: Issue of 'Fire safety recommendation' to Amrita Vidyodayam School building constructed at Sy.No.831 etc. Chitakula Village, Sadahashivagad, Karwar Taluk, Uttara Kannada District.

Ref: Your application dated 31-08-2017.

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With reference to the subject above cited the premises of B.G.S. Central School building constructed at Karehalli, Bhadravathi Taluk, Shivamogga District was inspected by the District Fire Officer, Shivamogga on 18-02-2018 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,<br>B.G.S. Central School,<br>Karehalli,<br>Bhadravathi,<br>Shivamogga District.                         |
| 02 | Name and Address of the premises.               | : | B.G.S. Central School,<br>Karehalli,<br>Bhadravathi,<br>Shivamogga District  |
| 03 | Name and address of the Building owner          | : | Sri Adichunchanagiri Educational Trust,<br>Shivamogga Branch, Karehalli,<br>Bhadravathi Taluk,<br>Shivamogga District. |
| 04 | Number of buildings                             | : | One  |
| 05 | Number of floors                                | : | Ground floor & 3 upper floors.   |
| 06 | <b><u>Floor-wise details of occupancy:-</u></b> |   |  |
|    | Ground floor                                    | : | 4 class rooms, Principal room, office room & projector room  |

*Amritha C*  
**Principal**

**BGS CENTRAL SCHOOL**  
Karehalli, Bhadravathi  
Shimoga Dist. Karnataka,



*Jagdeesh B*  
**Administrative Officer**  
BGS Central School  
Karehalli, Bhadravathi.

- 1<sup>st</sup> floor : Library, 8 class rooms & staff room
- 2<sup>nd</sup> floor : Computer lab, 8 class rooms & sports room
- 3<sup>rd</sup> floor : Store room, conference hall, 4 class rooms, science lab, Mathematics lab.
- 07 Height of the building : 14.50 mtrs.
- 08 Site area : 89,030.84 Sq. mtrs.
09. Built-up area of each floor:-
- Ground floor : 832.50 Sq. mtrs.
- 1<sup>st</sup> floor : 832.50 Sq. mtrs.
- 2<sup>nd</sup> floor : 832.50 Sq. mtrs.
- 3<sup>rd</sup> floor : 832.50 Sq. mtrs.
10. Total built-up area : 3,330.00 Sq. mtrs.
11. Surrounding properties:-
- East (Front) : 10.00 mtrs. wide internal road & play ground
- West (Rear) : Horticulture land
- North (side) : Vacant land
- South (side) : Under construction school building & play ground thereafter of the applicant.
12. Set-back area available around the building :-
- East (Front) : 05.00 mtrs.
- West (Rear) : Nil
- North (side) : 04.40 mtrs.
- South (side) : Nil.

**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 10.00 mtrs. wide internal road, located on the eastern side, which is connected to 15.00 mtrs. wide Bengaluru - Honnavara NH 206.	Adequate

02. No. of entrances

One.



Complied

*Jagdeesh B.*  
Administrative Officer  
BGS Central School  
Karehalli, Bhadravathi.

*Ananda C*  
**Principal**  
BGS CENTRAL SCHOOL  
Karehalli, Bhadravathi  
Shimoga Dist. Karnataka

(1)	(02)	(03)	(04)
03.	Width of entry / exit	05.60 mtrs.	Complied.
04.	Diesel generators.	Provided one diesel generator of 22 KVA capacity.	Not complied. Adequate capacity standby generator shall be connected to corridor lighting, staircase lighting, fire fighting systems to supply power in the event of failure of electric supply in the building.
05.	02 No. of staircases available	Nos. of staircases : One. Width of staircases : 01.40 mtr. Width of treads : 0.30 mtr. Height of risers : 0.15 mtr. Nos. of riser per flight : 14 Nos. Height of handrails : 0.85 mtr. Head room clearance : 3.00 mtrs.	Complied
06.	No. lifts and capacity.	Nos. of lifts : Not provided Capacity of lifts : Not applicable.	No remarks.
07.	Fire extinguisher	Provided 02 Nos. ABC powder extinguishers, each of 4 kgs. capacity.	Not complied. The following portable fire extinguishers should be provided; 1)One ABC powder extinguishers of 6 kgs. and 9Litres capacity Portable Hand held "Water Mist & CAFs" fire extinguishers – Jet & spray (combination) Capacity for every 8 cars at parking areas. 2)One CO <sub>2</sub> extinguisher of 4.5 kgs. capacity near the entrance to the electrical room.



*Ananda.C*  
Principal  
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Shimoga Dist. Karnataka

*Fajadeesha B.*  
Administrative Officer  
BGS Central School  
Karehalli, Bhadravathi,

(1)

(02)

(03)

(04)

3) One 9 Litres capacity Portable Hand held "Water Mist & CAFs" fire extinguishers - Jet / spray type (Combination) and One ABC powder extinguishers of 6kgs. Capacity near transformer.

4) One 9 Litres capacity Portable Hand held "Water Mist & CAFs" fire extinguishers - Jet / spray type (Combination) and One ABC powder extinguishers of 6kgs. Capacity near the diesel generator.

5) 9 Litres capacity Portable Hand held "Water Mist & CAFs" fire extinguishers - Jet / spray type (combination) in alternative staircase landing at each floor.

6) 9 Litres capacity Portable Hand held "Water Mist & CAFs" fire extinguishers - Jet / spray type (combination) every 30 meters at each floor.

7) One ABC powder extinguishers of 6 kgs. near each laboratory.

8) One CO2 extinguishers of 4.5 kgs. capacity near each computer lab & library.

All the extinguishers suggested above should be with B.I.S. markings and should be located at an easily accessible position without obstructing the normal passage and maintained periodically.

*Fazdeeha B.*  
Administrative Officer  
BGS Central School  
Karehalli, Bhadravathi



*Amunda C*  
Principal  
BGS CENTRAL SCHOOL  
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Shimoga Dist. Karnataka

(1)	(02)	(03)	(04)
08.	Public address system	Not provided.	Public address system with two way communication facility should be provided at each floor, near each staircase landing with its console at the control room, located on the ground floor.
09.	First aid Hose reel hose.	Not provided	Not complied. As per the requirement one Hose reel hose of 19 mm size and of adequate length to reach the farthest point of each floor, near staircase landing shall be provided with a shut off branch.
10.	Automatic sprinkler system.	Not provided	Not applicable.
11.	Terrace tank over respective tower terrace.	Not provided	Not complied Hose reel hose system shall be connected to an RCC overhead tank of 10,000 litres capacity.
12.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	Not provided	Not complied. Terrace booster pump, capable of delivering 450 litres of water per minute shall be provided to hose reel hose system. The system should also be connected to an alternative source of power supply.
13.	Fire control room at ground floor.	Not provided	Not complied. Fire Control room shall be on the ground floor of the building.
14.	Escape routes	Not provided	Not complied. Directions in which the students & faculty should have to move in the event of any emergency have to be indicated in the corridor/

*Ananda C*

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(1)	(02)	(03)	(04)
15.	Fire order	Not provided	passage on each floor as a guide during evacuation. These should be in luminous paint.  Not complied.  Notice boards indicating the details of action to be taken in case of any emergency with telephone numbers of Bhadravathi Fire Station i.e. 101, 08282-270418 and nearby Ambulance service shall be displayed near each staircase landing at each floor.
16.	Fire fighting training	Not Trained	Not complied.  40% of the employees should be got trained in fire prevention and fire fighting at the Karnataka Fire and Emergency Services, Chief Fire officer's Office, Pandeshwara, Mangaluru - 575 001 or at the R.A.Mundkur Karnataka Fire & Emergency Services Academy, Bannerghatta Road, Bengaluru - 560 029 within 90 days from the date of issue of this ' <u>Fire safety recommendation</u> '.

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.



*Amunda.C*  
**Principal**

**BGS CENTRAL SCHOOL**  
Karehalli, Bhadravathi  
Shimoga Dist. Karnataka.



Yours faithfully,

*22/12/18*  
**Chief Fire Officer**  
Karnataka State Fire & Emergency Services  
Mangalore

*Fayzdeesha B.*  
**Administrative Officer**  
BGS Central School  
Karehalli, Bhadravathi

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ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಮೂಲ ಪ್ರತಿ

ಮಂಗಳೂರು ನಲ್ಲಿರುವ ಸ್ಟೇಟ್ ಬ್ಯಾಂಕ್/ಖಜಾನೆಯಲ್ಲಿ ಪಾವತಿಸಿದ ನಗದು ಹಣದ ಚಲನ್

ಖಜಾನೆ ಕೋಡು	ಡ್ರಾ.ಅ.ಕೋಡು	ದಿನಾಂಕ	ಚಲನ್ ನಂ.
1 9 0 0 F	R 0 0 0 ?	22-02-2018	9990
ಪಾವತಿದಾರನ ಹೆಸರು ವಿಳಾಸ	The Principal, B.G.S, Central School, Karehalli, Bhadravathi Taluk, Shimoga Dist.		
ಪಾವತಿಯ ಉದ್ದೇಶ : Issue of Fire Safety Recommendation to B.G.S.Central School, Karehalli, Bhadravathi Taluk, Shimoga Dist.	ಸರಿಯಾಗಿದೆ ಹಣ ಸ್ವೀಕರಿಸಿ  22/2/18 <b>Chief Fire Officer</b> Mangalore ಮೇಲು ಬಿಜು ಮುಖ್ಯ ಅಧಿಕಾರಿಯ ಸಹಿ ಮತ್ತು ಪದನಾಮ		
ಲೆಕ್ಕದ ಬಾಧ್ಯತೆ ವಿವರ 0070 - Other Administrative Service 60 - Other Services 109 - Fire Protection & Control 002 - Other services	Mangalore Mangalore State Fire & Emergency Services		
ಪಾವತಿಯ ವಿವರ	ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಕೋಡ್	ಮೊಬಲಗು ರೂ	
Fire Safety Recommendation to School	0 0 7 0 6 0 1 0 9 0 0 2	20,000-00	
		ಒಟ್ಟು ಮೊತ್ತ 20,000-00	
ಪದಗಳಲ್ಲಿ ದೃಢಪಡಿಸಿ ಸಾರ್ವಜನಿಕ ಸಂಸ್ಥೆಗಳಿಗೆ ಮಾತ್ರ ಕಾರ್ಯಾಚರಣೆ -02-2018 ಸ್ಥಳ: ಮಂಗಳೂರು ರೂ (ಪದಗಳಲ್ಲಿ) ರೂಪಾಯಿಗಳು ಮತ್ತು ಸ್ವೀಕರಿಸಿದ ಖಜಾನೆ	S.P.I. VANDANA H. GATSOULI 22 FEB 2018 RECEIVED / PAID CLEARING ಖಜಾನೆ/ಬ್ಯಾಂಕ್ ಅಧಿಕಾರಿ		
	Fagadeesha B. ಪಾವತಿದಾರನ ಸಹಿ		

*A. Munda. C*  
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