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Karnataka Fire and Emergency Services Department
Office of the Chief fire officer,
Bangalore west zone, High-ground fire station premises,
Sheshadri road, Bangalore – 560 009.
080 – 22971523 / 500 / 600. Fax : 080 – 22971523.

***No.60/FSR/CFO/BWZ/2020*** 28-01-2020

To,

**The Principal,**
**Karnataka Public School,**
**No. 22/1,, Chokkanahalli,**
**Hegdenagar Main Road,**
**Bengaluru 560 064.**

Sir,

Sub : Issue of '**Fire safety Recommendation**' to **Karnataka Public School** No. 22/1, Chokkanahalli, Hegdenagar main road, Bengaluru.

Ref: Your letter Dated 21-01-2020.

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With reference to the subject above cited, the premises of **Karnataka Public School** situated at No. 22/1, Chokkanahalli, Hegdenagar main road, Bengaluru was inspected by The District Fire Officer, Hebbal Fire Station on 24-01-2020 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under;

**ANNEXURE-B**

***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. | : | The Principal,<br>***Karnataka Public School,***<br>No. 22/1,, Chokkanahalli,<br>Hegdenagar Main Road,<br>Bengaluru 560 064. |
| 02. | Name and Address of the premises. | : | ***Karnataka Public School,***<br>No. 22/1,, Chokkanahalli,<br>Hegdenagar Main Road,<br>Bengaluru 560 064. |

Office of the Chief Fire Officer Bangalore West Zone

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|---|---|---|---|
| 03. | Name & address of the building | : | Sri M. Kanthappa,<br>Thirumenahalli Jakkur Post,<br>Bengaluru. |
| 04. | Number of buildings | : | One building with 03 blocks<br>i.e, Block 01, 02 & 03. |
| 05. | ***Number of floors*** | : | ***Block 01***<br>Ground & 3 upper floors.<br>***Block 02***<br>Ground & 01 upper floor.<br>***Block 03***<br>Ground & 01 upper floor. |
| | ***Height of the Building*** | | ***Block 01***<br>12.08 mtrs.<br>***Block 02***<br>08.00 mtrs.<br>***Block 03***<br>08.00 mtrs. |
| | **Floor-wise details of occupancy:-** | | |
| | **Block – 01**<br>Ground floor | : | Principal room, vise principal room, administration office & 03 class rooms |
| | 1st floor | : | 06 class rooms |
| | 2nd floor | : | 04 class rooms & staff room |
| | 3rd floor | : | 04 class rooms & staff room. |
| | **Block – 02**<br>Ground floor | : | Musical class room, class room, store room & sports room & library. |
| | 1st floor | : | 03 class rooms, lab & store room |
| | **Block – 03**<br>Ground floor | : | Computer lab & 03 class rooms |
| | 1st floor | : | 04 class rooms. |
| 06. | Height of the building | : | 7937.17 mtrs. |
| 07. | Site area | : | 02.02 Acres |

| | | | |
|---|---|---|---|
| 08. | ***Built-up area of each floor:-*** | | |
| | **Block – 01** | | |
| | Ground floor | : | 338.48 Sq. mtrs |
| | 1st floor | : | 403.13 Sq. mtrs |
| | 2nd floor | : | 403.13 Sq. mtrs |
| | 3rd floor | : | 403.13 Sq. mtrs |
| | **Block – 02** | | |
| | Ground floor | : | 345.06 Sq. mtrs |
| | 1st floor | : | 345.06 Sq. mtrs |
| | **Block – 03** | | |
| | Ground floor | : | 326.82 Sq. mtrs |
| | 1st floor | : | 326.82 Sq. mtrs |
| 09. | **Total built-up area** | : | ***2891.63 Sq. Feet*** |
| 10. | ***Surrounding properties:-*** | | |
| | East | : | Manipal Banking Academy |
| | West | : | Vacant land |
| | North | : | G+1 Collage & nursing building |
| | South | : | Chokkanahalli main road |

**B. On inspection of this School 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 12.50 mtrs wide Chokkanahalli man road located on Southern side | Adequate |
| 02. | Number of entrances | ***Provided One entry & One exit***<br>**One entry** of 04.50 mtrs width has been provided.<br>One exit of 04.50 mtrs width has been provided. | Complied |
| 03. | Generators | Not provided | One Adequate capacity standby generator should be provided to all the emergency provisions in Building. |

Office of the Chief Fire Officer
Date: 28-1-2020

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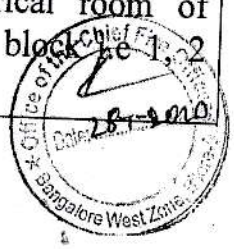
|---|---|---|---|---|---|
| 04. | Number of staircase | ***Nos of staircases*** | : | Block 01<br>01<br>Block 02<br>01<br>Block 03<br>01 | One additional staircase of Min 01.50 mtrs width should be provided in Block 01. |
| | | Width of staircases | : | Block 01<br>01.20 mtrs.<br>Block 2 & 3<br>01.70 mtrs | |
| | | Width of treads | : | 30 Cms | |
| | | Height of risers | : | 15 Cms | |
| | | Nos of riser per flight | : | Each of 13 nos | |
| | | Height of riser handrails | : | Block 01<br>0.90 mtrs.<br>Block 2 & 3<br>0.80 mtrs | |
| | | Head room clearance | : | 02.40 mtrs. | |
| 05. | Portable extinguishers | 12 nos of ABC type fire extinguishers, each of 6 kg scpaacity have been provided. | | | A. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing of each block i.e 1,2 & 3.<br>B. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.<br>C. One CO2 type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board & electrical room of each block i.e 1, 2 & 3. |



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|---|---|---|---|---|
| | | | | D. One ABC type fire extinguisher of 6 kgs capacity should be provide for every 100 sq. mtrs of each block. |
| 06. | Hose reel hose system | Not provided | | Recommended to provide **03 Hose Reel Hose near each staircase (One in each block i.e Block 01, 02 & 03).** The hose reel hose of min 19mm 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. |
| 07. | Terrace tank over respective tower terrace. | Not provided | | Each system should be connected to an over head tank of 10,000 ltrs capacity |
| 08. | At the terrace tank level with minimum pressure of 3.5 kg/cm$^2$. | Not provided | | Each system should be connected to an booster pump of 450 LPM.<br>**Further the system should be connected to an alternative source of power supply.** |

Office of the Chief Fire Officer * Bangalore West Zone, B'lore-9 * Date: 28-1-2020

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|---|---|---|---|---|
| 09. | Escape routes | Not marked | | Direction in which the students have to move in the event of an emergency should be indicated in the corridor on each floor during evacuation. |
| 10. | Fire control room | Not provided | | Fire control room should be provided at ground floor of the building. |
| 11. | Fire order (Fire safety plans) | Not displayed | | A notice board should be indicated the action should be taken by the employees in case of any emergency with the telephone number of Hebbal fire station i.e 080-22971542 & 101, 550, 500 & 600 and the telephone number of nearest ambulance service & Police station. |
| 12. | No smoking board | Not displayed | | COTPA Sec-4 directin 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. |
| 13. | Fire fighting training | Not imparted | | At-least 40% of the staff should be got trained in basic fire fighting at R.A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore |

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|---|---|
| 14. | ***Fire precautionary measures :-***<br>A. Explosive and flammable materials should not be stored in the store room, UPS room, DG room, Electrical panel area, class rooms, laboratory & electrical sum panel premises.<br>B. Accumulation of combustible waste in and around the premises should be avoided.<br>C. The exit ways shall be always kept clear without any obstruction.<br>D. Liquefied petroleum gas should not be stored in the building.<br>E. The doors shall not be kept locked / latched during working hours and shall be free from obstruction.<br>F. During the class hours the class room doors shall not be locked from inside & outside.<br>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. |

Under the above circumstance the Karnataka Fire & Emergency Service Department is issuing '**Fire Safety Recommendation**' to **Karnataka Public School** situated at No. 22/1, Chokkanahalli, Hegdenagar main road, Bengaluru subject to condition and compliance of the above recommendations in column -3 of serial – B within 3 months and compliance to the undersigned.

This '**Fire Safety Recommendation**' is **issued for a period of only one year from the date of issue and is renewable.**

**All requirements recommended above are as per National Building Code- 2016 Part-4 clause 3.1.3 of Fire and Life safety will have to be complied with mandatorily.**

Yours faithfully

Chief Fire Officer
Bangalore West, Sheshadri Road,
Highground Fire Station Premises
Bangalore - 560 009.

Secretary
KARNATAKA EDUCATION TRUST (R)
# 33/2, Thirumanahalli,
Hegde Nagar Main Road, Jakkur Post,
Yelahanka Hobli, Bangalore - 560 064

Principal
Karnataka Public School
No. 22, Chokkanahalli, Jakkur Post
Yelananka Hobli, Bengaluru North
Bengaluru-560 064