

C.No/129/FSR/CFO/MZ/2019-20

Office of the
Chief Fire Officer
Karnataka Fire & Emergency Services
Mysuru Zone, Mysuru-570016
Date:- 12-02-2020.

To,
The Principal
Kautilya Vidyalaya
No.9/1, 13th main, J-block, Kanakadasanagar
Dattagalli 3rd stage, Mysuru-570023.

Sub : Issue of 'Fire safety recommendation' to existing "Kautilya Vidyalaya" school building at No.9/1, 13th main, J-block, Kanakadasanagar, Dattagalli 3rd stage, Mysuru-570023.

Ref : Report No.95-11/School/DFO/BFS/MYS/2020, dated: 10-02-2020.

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With reference to the subject above cited, the premises of "Kautilya Vidyalaya" school building at no.9/1, 13th main, J-block, Kanakadasanagar, Dattagalli 3rd stage, Mysuru-570023 was inspected by the District Fire Officer (Fire Prevention), Bannimantapa fire station, Mysuru on 13-01-2020 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

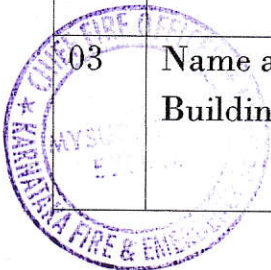
"B1& B2 – Schools upto senior secondary level and other institutions"

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.)

A. Details of the building / premises :-

| | | | |
|----|--|---|---|
| 01 | Name and Address of the Applicant. | : | The Principal Kautilya Vidyalaya No.9/1, 13 th main, J-block, Kanakadasanagar Dattagalli 3 rd stage, Mysuru-570023. |
| 02 | Name and Address of the premises. | : | Kautilya Vidyalaya No.9/1, 13 th main, J-block, Kanakadasanagar Dattagalli 3 rd stage, Mysuru-570023. |
| 03 | Name and address of the Building owner | : | Kautilya Vidyalaya No.9/1, 13 th main, J-block, Kanakadasanagar Dattagalli 3 rd stage, Mysuru-570023. |



| | | | |
|-----|--|---|--|
| 04 | Number of buildings | : | 01 School building. |
| 05 | Number of floors | : | Ground and 03 Upper floors. |
| 06 | <u>Floor-wise details of occupancy:-</u> | | |
| | <u>Ground floor</u> | : | 09 Class rooms, 01 General office, 01 Computer centre, 01 Library, 01 Staff room and Wash rooms. |
| | <u>First floor</u> | : | 10 Class rooms, 01 Principal room, 01 Officer, 02 Laboratories, 01 Staff room and Wash rooms. |
| | <u>Second floor</u> | : | 10 Class rooms, 01 Chairman room, 01 Office room, 02 Laboratories, 01 Seminar hall and Wash rooms. |
| | <u>Third floor</u> | : | 12 Class rooms, 01 Nurse station, 01 R.O plnat room, 02 Staff rooms and Wash rooms. |
| 07 | Height of the building | : | 14.80 mtrs. |
| 08 | Site area | : | 5574.18 sq.mtrs. |
| 09. | Built-up area of each floor:- | | <u>Ground floor</u> :- 1471.00 sq.mtrs. <u>First floor</u> :- 1471.00 sq.mtrs. <u>Second floor</u> :- 1471.00 sq.mtrs. <u>Third floor</u> :- 1471.00 sq.mtrs. |
| 10. | Total built-up area | : | 5820.00 sq.mtrs. |
| 11. | Number of working staff | : | 95 nos. |
| 12. | Surrounding properties:- | | |
| | North (Front) | : | 12.00 mtrs. wide 13 th main road. |
| | South (Rear) | : | Agricultural land. |
| | East (Side) | : | Empty land. |
| | West (Side) | : | Commercial area. |
| 13. | <u>Set-back area available around the building :-</u> | | |
| | North (Front) | : | 06.00 mtrs. |
| | South (Rear) | : | 02.10 mtrs. |
| | East (Side) | : | 01.45 mtrs. |
| | West (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 | This premises is abutting 12.00 mtrs. wide 13 th main road accessibility on Northern side. This road is hardened to carry the weight of 45,000 kgs. | Complied. | | | | | | | | | | | | | | | | | | | | | |
| 02. | No. of entrances | 01 entrance. | Complied. | | | | | | | | | | | | | | | | | | | | | |
| 03. | Width of entry / exit | Width of entry-7.40 mtrs. | Complied. | | | | | | | | | | | | | | | | | | | | | |
| 04. | Diesel generators. | Provided 01 no. 50 KVA capacity Diesel generator for alternative power supply to all the emergency provisions of this building. | Complied. | | | | | | | | | | | | | | | | | | | | | |
| 05. | No. of staircases available | <table border="1"> <tr> <td>No. of staircases</td> <td>:</td> <td>02 nos.</td> </tr> <tr> <td>Width of staircases</td> <td>:</td> <td>01.75 mtrs.</td> </tr> <tr> <td>Width of treads</td> <td>:</td> <td>30 cms.</td> </tr> <tr> <td>Height of risers</td> <td>:</td> <td>15 cms.</td> </tr> <tr> <td>Nos. of riser per flight</td> <td>:</td> <td>15 nos.</td> </tr> <tr> <td>Height of handrails</td> <td>:</td> <td>1.00 mtrs.</td> </tr> <tr> <td>Head room clearance</td> <td>:</td> <td>2.50 mtrs.</td> </tr> </table> | No. of staircases | : | 02 nos. | Width of staircases | : | 01.75 mtrs. | Width of treads | : | 30 cms. | Height of risers | : | 15 cms. | Nos. of riser per flight | : | 15 nos. | Height of handrails | : | 1.00 mtrs. | Head room clearance | : | 2.50 mtrs. | Complied. |
| No. of staircases | : | 02 nos. | | | | | | | | | | | | | | | | | | | | | | |
| Width of staircases | : | 01.75 mtrs. | | | | | | | | | | | | | | | | | | | | | | |
| Width of treads | : | 30 cms. | | | | | | | | | | | | | | | | | | | | | | |
| Height of risers | : | 15 cms. | | | | | | | | | | | | | | | | | | | | | | |
| Nos. of riser per flight | : | 15 nos. | | | | | | | | | | | | | | | | | | | | | | |
| Height of handrails | : | 1.00 mtrs. | | | | | | | | | | | | | | | | | | | | | | |
| Head room clearance | : | 2.50 mtrs. | | | | | | | | | | | | | | | | | | | | | | |
| 06. | Fire extinguisher | Provided 02 nos. Co2 fire extinguishers each of 02 kgs capacity, 03 nos. Co2 fire extinguishers each of 4.5 kgs. capacity, 01 no. ABC type fire extinguisher of 4 kgs. capacity, 01 no. ABC type fire extinguisher of 2 kgs. capacity, 07 nos. Water type Co2 fire extinguishers each | In addition to this recommended to provide ABC & Co2 type fire extinguishers for every 100 sq.mtrs. built up area at every floor of the building. | | | | | | | | | | | | | | | | | | | | | |



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|-----|--|--|--|
| | | of 9 ltrs. capacity, 03 nos. DCP fire extinguishers each of 05 kgs. capacity and 01 no. Mechanical foam type extinguishers of 09 ltrs. capacity. | |
| 07. | First aid Hose reel hose. | Not provided | Recommended to provide 01 no. Hose reel hose of 30 mtrs. length to reach farthest point of this building. |
| 08. | Terrace tank over respective tower terrace. | Provided 6,000 ltrs. capacity water tank. | In addition to this recommended to provide additional 4,000 ltrs. capacity Terrace tank. |
| 09. | Pump at the terrace tank level with minimum pressure of 3.5 kg/cm ² . | Not provided | Recommended to provide one booster pump near terrace tank capable of delivering 450 liters per minutes. |
| 10. | Public address system | Not provided | Recommended to provide two way communication Public address system. |
| 11. | Escape routes | Not marked | Directions in which the students have to move in the event of any emergency shall be indicated in the corridor during evacuation. It should written in luminous paint in the building. |



| | | | |
|-----|------------------------|--------------|--|
| 12. | Fire order | Not provided | A notice board written in bold letters indicating the action to be taken by the employees in case of any emergency shall be displayed near staircase and the notice board should contain telephone number of Saraswathipuram Fire Station 0821-2540970 & 101 and ambulance service at this building. |
| 13. | Fire fighting training | Not imparted | 40% of the employees should be got trained in fire prevention, fire fighting and evacuation measures from Karnataka Fire and Emergency Services Department at an early date. |

Under the above circumstance, the Karnataka Fire & Emergency Service Department is issued the Fire Safety recommendations certificate to “**Kautilya Vidyalaya**” school building at no.9/1, 13th main, J-block, Kanakadasanagar, Dattagalli 3rd stage, Mysuru-570023 subject to the condition of providing additional fire fighting equipments and fire precautionary measures shown in part-B. Therefore, the management should comply Karnataka Fire & Emergency Services Department conditions to provide additional equipments and then intimate to this office within 90 days positively without fail. ***This Fire Safety Recommendation Certificate valid for only one year from the date of issue.***

❖ All requirements recommended above are as per National Building Code-2016 Part-4 clause 3.1.8 of Fire and Life safety will have to be complied with mandatorily.



Yours faithfully

 Chief Fire Officer
 Karnataka Fire & Emergency Services
 Mysuru Zone, Hebbala Fire Station
 MYSURU-570016

Copy to,
 District Fire Officer (Fire Prevention), Bannimantapa fire station, Mysuru.