

Karnataka Fire and Emergency Services Department



Office of the Regional fire officer,
Bangalore west Range, Rajajinagar fire station premises,
Rajajinagar Industrial Town, Bangalore - 560 010.
Ph No.080 - 22971578.



No.123/FSR/RFO/BWR/2024

31-05-2024

To,
The Authorized Signatory,
M/s. Soundarya Central School
Soundarya Educational Trust,
Sy.No.24, Soundarya Nagar, Sidedahalli,
Bangalore-560073.

Sir.,

Sub: Issue of **Fire safety recommendation** to *M/s. Soundarya Central School* Situated at Sy.No.24, Soundarya Nagar, Sidedahalli, Bangalore-560073.

Ref: Your letter dated : 25-05-2024.

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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)

With reference to the subject cited above, I have inspected the premises of *M/s. Soundarya Central School* Situated at Sy.No.24, Soundarya Nagar, Sidedahalli, Bangalore - 560073 on 28-05-2024 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the premises and the details as under :-

A. Details of the building / premises :-

01	Name and Address of the Applicant.	:	<i>The Authorized Signatory,</i> <i>M/s. Soundarya Central School,</i> <i>Soundarya Educational Trust,</i> <i>Sy.No.24, Soundarya Nagar,</i> <i>Sidedahalli,</i> <i>Bangalore-560073.</i>
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02	Name and Address of the premises	:	<i>M/s.Soundarya Central School, Soundarya Educational Trust, Sy.No.24, Soundarya Nagara, Sidedahalli, Banalore-560073.</i>
03	Name and address of the Building owner	:	<i>The chairman Soundarya Educational Trust. Sy.No.24, Soundarya Nagara, Sidedahalli, Banalore-560073.</i>
04	Number of buildings	:	01 Building.
05	Number of floors :-	:	Basement and 06 Upper floor
06	<u>Floor-wise details of occupancy :-</u>		
	Basement	:	Labs
	Ground floor	:	Office and Classrooms
	1 st floor	:	Class Rooms and Library
	2 nd floor	:	Class Rooms
	3 rd floor	:	Class Rooms
	4 th floor	:	Class Rooms
	5 th floor	:	Class Rooms
07	Height of the buildings :-	:	20.72 Mtrs
08	Site area	:	32,691.69 Sq.mtrs.
09	<u>Built-up area of each floor :-</u>		
	Basement	:	3,106.60 Sq. Mtrs.
	Ground floor	:	3,680.63 Sq. Mtrs.
	1 st floor	:	2,339.27 Sq. Mtrs.
	2 nd floor	:	2,339.27 Sq. Mtrs.
	3 rd floor	:	2,339.27 Sq. Mtrs.
	4 th floor	:	2,339.27 Sq. Mtrs.
	5 th floor	:	2,339.27 Sq. Mtrs.
	Total built-up area	:	18,483.58 Sq.Mtrs.



11.	Surrounding properties :-		
	West (Front)	:	Private property
	East (Rear)	:	Private property
	North (Side)	:	Air force station
	South (Side)	:	16.00 mtrs wide Soundarya Nagar 1 st Main Road.
12	Set-back available around the building :-		
	West (Front)	:	Min 06.00 mtrs.
	East (Rear)	:	Min 06.00 mtrs.
	North (Side)	:	Min 06.00 mtrs.
	South (Side)	:	Min 06.00 mtrs.

B. On inspection of this School/Collage 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)																					
1.	Accessibility to the premises	The premises is accessible form 16.00 mtrs wide Soundarya Nagar 1st main road located on Sothern side.	Adequate.																					
2.	No. of entrances	01 Entrance	Complied																					
3.	Width of entry / exit	06.00 Mtrs width	Complied																					
4.	Diesel generators	01 Generator of 125 Kva capacity available to supply alternate power to all the emergency provision of these school buildings.	Complied																					
5.	Number of staircases available	<table border="1"> <tr> <td>Nos. of staircases</td> <td>:</td> <td>06 No's</td> </tr> <tr> <td>Width of staircases</td> <td>:</td> <td>1.5 mtrs</td> </tr> <tr> <td>Width of treads</td> <td>:</td> <td>30 Cm</td> </tr> <tr> <td>Height of risers</td> <td>:</td> <td>15 Cm</td> </tr> <tr> <td>Nos. of riser per flight</td> <td>:</td> <td>12 No's</td> </tr> <tr> <td>Height of handrails</td> <td>:</td> <td>1.0 Mtrs.</td> </tr> <tr> <td>Head room clearence</td> <td>:</td> <td>02.60Mtrs.</td> </tr> </table>	Nos. of staircases	:	06 No's	Width of staircases	:	1.5 mtrs	Width of treads	:	30 Cm	Height of risers	:	15 Cm	Nos. of riser per flight	:	12 No's	Height of handrails	:	1.0 Mtrs.	Head room clearence	:	02.60Mtrs.	Complied
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	No. lifts and capacity.	<table border="1"> <tr> <td>Nos. of lifts</td> <td>:</td> <td>01</td> </tr> <tr> <td>Capacity of lifts</td> <td>:</td> <td>13 person's</td> </tr> </table>	Nos. of lifts	:	01	Capacity of lifts	:	13 person's	----															
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7.	Fire extinguisher	<p>Basement 08 ABC fire extinguishers each of 05 Kgs capacity & 02 water type Co2 fire extinguisher of 09 liters capacity have been provided.</p> <p>Ground Floor 08 ABC fire extinguishers each of 05 Kgs capacity & 02 water type Co2 fire extinguisher of 09 liters capacity have been provided.</p> <p>1st floor 08 ABC fire extinguishers each of 05 Kgs capacity have been provided</p> <p>2nd floor 08 ABC fire extinguishers each of 05 Kgs capacity have been provided</p> <p>3rd floor 08 ABC fire extinguishers each of 05 Kgs capacity have been provided.</p> <p>4th floor 08 ABC fire extinguishers each of 05 Kgs capacity have been provided.</p> <p>5th floor 08 ABC fire extinguishers each of 05 Kgs capacity have been provided.</p>	<p>Complied</p> <p>Complied</p> <p>Complied</p> <p>Complied</p> <p>Complied</p> <p>Complied</p> <p>Complied</p>
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8.	First aid Hose reel hose.	Not provided.	Hose reel hose system of 19mm dia and having a length of 36.00 Mtrs length should be installed by tapping them to a vertical pipe of 80 mm internal dia near the landing outlets at ground floor. The hose reel system should be connected to an overhead tank of 20,000 liters capacity with a pump capable of delivering 900 liters of water per minute.
9.	Down corner	Not provided	<p>Down-corner systems shall be provided near the staircase. The system are 100 mm internal dia of G.I class "C" pipe from the system single headed hydrant outlet have been provided at each landing of the main staircase. Hose reel hose of 19 mm and adequate length to reach the farthest point of each floor should be provided with a shut off branch having a nozzle of 5mm size.</p> <p>The hose reel hose shall be connected by means of an adaptor Adequate BIS marked reinforced rubber lined delivery hoses of 63 m size to reach the farthest point of the floor from system should be provided with a branch pipe of gun metal near each hydrant outlet. Yard hydrants all around the building should be provided.</p>



			The down corner system shall be connected to 20,000 liters of over head tank & each down corner system have been connected to 02 Booster pump each capable of 900 LPM capacity. The impeller of the pumps should be of bronze.
10.	Manually operated electronic Fire alarm system	Not provided	Manually operated electrical fire alarm system with 38 manual call points (Break glass type) near each staircaselandings at each floor with its 'console' at control panel room at the ground floor area and system have been connected to the alternate source of power supply.
11.	Terrace tank over respective tower terrace	Not provided	Over head tank of 20000 liters capacity should be provided for down corner system.
12.	At the terrace tank level with minimum pressure of 3.5 kg/cm ²	Not provided	A Booster pump of 900 ltrs. Per minute capacity shall be provided and its connected to the over head tank.
13.	Fire control room at ground floor.	Not provided	Fire control room should be provided at ground floor near Security room.
14.	Escape routes	Not provided	Escape route have been marked with luminous light / paint at each floor directing towards exists and emergency.
15.	Fire order	Not displayed.	Fire safety indicating the details of actions to be taken in case of emergency shall be displayed near each staircase landings telephone numbers of our Peenya Fire Station 080- BANGALORE 40



			22971545, Central Fire Control Room No's 080-22971500, 500, 600 and telephone numbers of nearest Ambulance Service.
16.	Fire fighting training	Not trained	At least 40% of employees shall be trained in basic fire fighting at our R. A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore-29 at an early date or within 03 Months.

From the above details it is clear that the Chairman M/s. Soundarya Central School, Soundarya Educational Trust, Sy.No.24, Soundarya Nagar, Sidedahalli, Bangalore-560073 has fulfilled the conditions stipulated by our Fire and Emergency Department as per the standing instructions.

Therefore here-with recommended for issue Fire Safety Recommendation for the above premises for a period of One year from date of issuing. Subject to maintainance of fire safety system regularly.

Yours faithfully.


Regional Fire Officer
Bangalore West Range
Bangalore - 560 044