

FIRE SAFETY CERTIFICATE

No. 20/28/2024

Dated: 15/04/2024

Certified that the **Dnyansagar English Medium School, Sawal.** (name of the building or premises) at **Sawal Tal: Baramati, Dist: Pune** comprised of **0** basement(s) and **G+2** (upper floors) owned / occupied by **Dnyansagar English Medium School, Sawal** (name of the institution) have complied with the fire prevention and fire safety requirements in accordance with rule of State/ UT Fire Service Rules, and verified by the officers concerned of Fire Service on **15/04/2024** (date of inspection) in the presence of **Mr. Mansing Shankar Atole** (name and addresses of the Manager/ Secretary or his representative) and that the building/ premises is fit for occupancy upto classes 12th With effect from **15/04/2024** for a period **2 year** in accordance with rule and subject to compliance of specific conditions.

Issued on **15/04/2024** at **Fire Department, Nagarparishad, Baramati** by

Signature with Seal:
 Name : **Pachmanabh S. Kulkarni**
 Designation : **Fire Officer**



To,

✓ Principal,

Shree Hanuman Shikshan Prasarak Mandal's

Dnyansagar English Medium School, Sawal.

Tal : Baramati, Dist : Pune- 413133.

PRINCIPAL
DNYANSAGAR
ENGLISH MEDIUM SCHOOL
U-DISE NO. 27250210304

MANAGER
DNYANSAGAR ENGLISH MEDIUM SCHOOL
SAWAL TAL BARAMATI DIST PUNE

म/बामम/अगमरामन-20/28/2024

दि. 15/04/2024



बारामती नगर परिषद, बारामती

स्थापना :- १८६५



**Sub: Provisional Fire NOC for Educational Building at Baramati
Gat No.183, Sawal, Baramati**

**Educational Building from Ground Floor to Fourth Floor
(Our Office Inward letter Serial No.9104 Dt. 28/11/2023)**

As per your request, visited the proposed site along with Sagar Atole on 06/04/2024 discussed with him regarding the fire protection system to be installed in the proposed building:-

1. Construction of the proposed educational building has been proposed and started.
2. Access for fire vehicle should be available for proposed site from north/front side only.
3. Two staircases will be provided in the educational building as per plan submitted to this office.
4. Open parking will be provided as per the plan submitted to this office.
5. Fire Extinguisher of 4Kg capacity should also be installed inside school bus for students safety.
6. The building will be used for educational purpose only.
7. Height of the Educational Building is 16.15 meters.
8. Fire NOC Fees will be by as per standing order no.31 section D serial no.2C has to be paid.
9. Total Built up area for the educational building is 2424.36 Sq.meters.

Considering the above, this office has No objection to construct the building as proposed subject to the compliance of following fire prevention & fire protection systems.

1. All the electrical wiring in educational building should be (flameproof polycab three or four layer) & should be in concealed.
2. Electrical Inspection Audit from Electrical Inspector should be carried out before Final NOC.
3. Two Staircase width should be 1.50 meters respectively for the educational building.
4. Down comer should be provided the buildings from terrace tank to ground level. (G.I. "C" class ISI marked — 6" dia. Pipeline of Jindal / TATA) Parking level to terrace level pipe line should be of 6" dia. & overhead tank to pump & then terrace level — 4" dia.
5. Non return valve, Air release valve and Main valve should be provided in the school building on the D.C. line near the overhead tank.
6. Hose Reel drum, Hydrant Valves & other equipments of firefighting system should be gun metal/SS- ISI marked and should be provided to school building at each landing with necessary equipments. Fire hose reel should be preferably yellow/red flurosent, 19 mm ID ISI marked & not less than 60 Mtrs for the building on each floor passage area from Ground Floor, to Fourth Floor. Booster pump of 10HP should be installed near fire underground tank.
7. Two Way Fire service inlet with hydrant valve outlet should be provided outside the building at ground level & it should be accessible for fire service personnel /vehicle for easy operation.
8. Double hose box with delivery hose of 63 mm dia. ISI marked. With ISI marked branch pipe should be provided on the ground floor & at each floor upwards.
9. Booster Pump of 10 HP for the educational building Kirloskar makes of, 900 LPM, giving a pressure not less than 3.2 kg./Cm² at topmost hydrant with ISI mark. Electrical starter at ground floor as well as on terrace level should be provided for school building.
10. ISI marked Portable fire extinguishers should be provided at:
a) Near Main Electrical panel, b) Parking,

S.No.	Sides	Actual Requirements as per DCPR in Mtrs.	Provisions on Site meters for
1.	Front Side(North)	6.00 meters/ H/5 where H is the Ht.building	70.00 meters
2.	Rear Side (South)	6.00 meters/ H/5 where H is the Ht.building	9.00 meters
3.	Left Side (West)	6.00 meters/ H/5 where H is the Ht.building	9.00 meters
4.	Right Side(East)	6.00 meters/ H/5 where H is the Ht.building	9.00 meters

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11. Photo luminous exit & other signs such as EXIT,DANGER,NO SMOKING must be provided at each floor near staircase & other necessary places.
12. Manual Call Point with talk back PA System should be provided at passage area of each floor of the building.
Generator/alternate power supply should be provided to operate fire lift, fire pump etc. Detailed electrical audit should be carried out & should be certified from chief electrical inspector Govt.of Maharashtra,Pune regarding this should be submitted to this office at the time of Final Fire NOC.All the electric wiring of the building should be used for Manual Call Point(MCP) & talk back PA System should be ISI marked. Transformers must be installed outside the building premises. Emergency telephone numbers of responsible persons such as police, firebrigade, mahavitaran,nearest hospital, snake catcher should be displayed on the board having radium fluroscnt preferably at the security cabin.
Fire escape route plan in A3 size in radium fluroscnt should be displayed on each floor in passage area.Fire lifts should have 24x7 alternate power supply.
13. Fire underground RCC water tank having filtration water connection with capacity of 13000 litres with a provision of fire fighting pump of 900 LPM capacity@3.2kg/cm2 from the farthest point.Pendant sprinklers system should be installed in the passage area of ground floor to fourth floor & separate fire pumps like main sprinkler pump,jockey pump should also be installed. Courtyard hydrant system should be provided for the building. The distance between two hydrants should not be more than 45.00 meters.
14. Pendant type sprinkler system required with red bulb bursting on 68 degree Celsius at ground floor to fourth floor of the school building including passage area of all floors. Dome camera should be installed on all four corners of the building for CCTV surveillance.
15. The plans of the building should be got approved by town planning department and Chief Officer of Baramati Municipal Council before applying for Fire NOC. As per the DCPR 2022 requirement of all marginal open spaces around educational building should be kept open & obstruction free for easy movement of fire engines/vehicles.
16. Transformer should be covered with aluminum box to prevent from oil spillage in case of fire Emergency or voltage fluctuation or short circuit.
17. Electrical Panel Room should be located on the ground floor outside wall covered with metal cage & aluminum roofing by providing CO2 type 9kg trolley mounted fire extinguishers.
18. Lightening Arrestor in GI (Galvanized Iron Pipe) should be installed on the terrace area with proper earthing. Structural audit report from COEP is required during Final Fire NOC.
19. Fire lift capacity with alternate power supply having capacity of six persons.
20. Soil Test Report,Material Testing & building stability certificate should be approved from COEP by the architect during Final Fire NOC.
21. Turning radius for Building all four corners should be more than 9(nine)meters.
22. No bore well water should be used for fire water tank as it can cause damage to fixed fire fighting installation such as fire hydrant line, sprinkler line due to salty water.
23. Metal or concrete base should be installed for lower ground floor main electrical panel with metal/aluminium sheet.Open Amenity Space should be treated as emergency assembly area for school building.
24. Overhead RCC domestic water tank capacity for the building should be 60,000 Litres with nagarpalika filter water with bifurcation divert valve required from fire to domestic water tank.
25. Underground RCC fire water tank capacity should be 13,000 liters with bifurcation divert valve required from fire to domestic water tank for the school building near fire pump house.
26. Fixed Fire Protection System should be installed ASAP within three months from the date of issue of this provisional fire NOC.
27. Inside Lift Machine Room one ABC type 4 Kg & 9 kg of CO2 type trolley mounted fire Extinguisher needs to be installed.



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स्थापना :- १८६५



Considering the proposed activity & built-up area the following firefighting installations should be provided for the life safety of the occupants of the building as per NBC-2016 & Maharashtra Fire Prevention & Life Safety Measures Act 2006 are as follows :-

Sr.No.	Fire Fighting Installations	Requirements	BIS Provisions	Remarks	
1.	Portable Fire Extinguishers	ABC type 4 Kg ABC type 6 Kg ABC type 9 Kg CO2 type 9 Kg Mechanical Foam type 9litres	As per IS:15683	On Each Floor Passage Area, Lift Machine Rooms, Electrical shaft/panel room, diesel generator, inverter battery room, near transformer .	
2.	Hose Reel Drum with Hydrant Valve Connection, Hydrant Valves with Hose Box & RRL Delivery Hoses (Non Percolating)	Required on Each Floor of the school building 30 meters in length of fluorescent yellow color.	Hose Reel Drum as per IS884:1985 Landing Valve as per IS:5290	60 meters hose reel which can cover the whole floor, diameter of the hose reel should not be less than 19mm.	
3.	Wet Riser with Hydrant valves	Required in external all sides of school building	IS:5290	Required externally only.	
4.	Yard Hydrant or Ring Hydrant around school building	Required outside the buildings at various strategic locations	IS:13039 IS:14933-2001 IS:38844:1989	Distance between two hydrants should not be less than 45 mtrs.	
5.	Underground Water Tank for fire fighting (RCC)	13,000 litres for the school building	Specially used for Fire Fighting Specially used for Fire Fighting		
6.	Overhead Water Tank for Fire Fighting (RCC)	60,000 litres for the hospital building			
7.	Fire Pump	Main Hydrant Pump, Standby Hydrant Pump,	All Fire Pumps should be centrifugal type & should be well maintained.Pump room should have positive suction.		
8.	Integrated Fire Alarm System Addressable Type	Optical type Smoke Detectors,hooters, manual call point (MCP)of the school building all floors.	Addressable fire alarm system should be provided as per the standards IS:11360:1985 with exact address of the smoke detectors, MCP (Manual Call Point), hooters, with proper looping of fire alarm panel with standby electric supply.		
9.	Ventilation System	Ventilation should be provided as per the requirement.			

कार्यालय - बारामती नगर परिषद, बारामती, जि. पुणे - ४१३ १०२,

ईमेल - Email: baramatinp@gmail.com, baramati

मागेमहा

[Signature]

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10.	Fire Brigade Connection	One No. separate for the school building.	Two Way Fire Brigade Connection designed especially for fire vehicles only.
11.	Signage's for safe evacuations	Required at Prominent places Emergency contact numbers of police, fire, ambulance, Mahavitaran office, snake catcher	Sign indicators should be provided at prominent places as per the guidelines given in IS:9457 for safety color and Safety IS:12349 for fire protection safety signs as per IS:12407 in radium fluorescent which can be seen easily in blackout or darkness.
12.	Fire Sand Buckets	Thin Sifted Sand (चाळलेली वाळू)	One Set of Sand Buckets consisting of 4 sand buckets should be placed near Electric Panel Room, Diesel Generator Room, Battery Inverter room etc.
13.	Automatic Sprinkler System	Required inside floor passages from ground to fourth floor	Sprinkler system should be design provided as per the guidelines IS 15105 & installation of pendant sprinklers with color code of red at 68 degree Celsius.

This is a provisional No Objection Certificate. After providing the above fire prevention and fire protection system and compliance of above recommendations the inspection of this systems will be carried out by Assistant Fire Station Superintendent of Baramati Municipal Council and after satisfactory inspection of the pump pressure testing, fire alarm testing, hydrant water throw from ground to terrace area, fire extinguishers, testing of automatic sprinklers systems, Final Fire NOC will be issued to your building for obtaining final occupancy certificate from Baramati Municipal Council. Only Nagarpalika water connection should be used for fixed fire fighting installations.

This Provisional NOC will be valid for the period of three years from the date it is issued, and it will be the responsibility of the builder/architects to get it renewed after the said period.

The undersigned reserves the right to amend any additional recommendations deemed fit during the stage wise inspection due to statutory provisions amended from time to time and in the interest of the protection of the subject mention of the school building.



Assistant Fire Station Superintendent
Baramati Municipal Council

Copy To: ✓ Principal, Dnyansagar English Medium School
Gat No.183
At-Sawal, Taluka -Baramati
District Pune- 413133

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