

**GOVERNMENT OF TELANGANA
ABSTRACT**

Home Department – Fire Services – Directions of Hon'ble Supreme Court of India dated:13.04.2009 in W.P. No.483 of 2004 - Fire Safety measures to be followed in the Schools – Orders – Issued.

HOME (SERVICES.IV) DEPARTMENT

G.O.Ms.No.56,

Dated: 26.07.2019.
Read the Following:-

1. Telangana Fire Service Act, 1999.
2. National Building Code of India, 2016.
3. Hon'ble Supreme Court of India Judgment dated:13.04.2009 in W.P. No.483 of 2004.
4. From the Director General of State Disaster Response and Fire Services, Telangana, Hyderabad Letter Rc.No. 8109/MSB/2016, dated:28.02.2018.
5. G.O.Rt.No.442 Home (Services.IV) Department, dated:28.03.2018.
6. From the Director General of State Disaster Response and Fire Services, Telangana, Hyderabad Letter Rc.No. 8109/MSB/2016, dated:29.05.2018.
7. From School Education (General) Department U.O.Note No.4590/SE.Genl/A2/2018-3, dated:14.08.2018.
8. From the Director General of State Disaster Response and Fire Services, Telangana, Hyderabad Lr.Rc.No.8109/MSB/2019, dated.22.06.2019.

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ORDER:

Hon'ble Supreme Court of India in its Judgment dated:13.04.2009 in W.P. No.483 of 2004 have issued the following directions keeping in view of the Safety and Security of School going children which has utmost importance:

"It has become imperative to direct that, Safety Measures as prescribed by the National Building Code of India, 2005 be implemented by all Government and Private Schools functioning in our Country.

- (i) Before Granting recognition or affiliation, the concerned State Government and Union Territories are directed to ensure that the buildings are safe and secure from every angle and they are constructed according to the safety norms incorporated in the National Building Code of India.
- (ii) All Existing Government and Private Schools shall install fire extinguishing equipment within a period of Six Months.
- (iii) The School Buildings be kept free from inflammable and toxic material. If storage is inevitable, they should be stored safely.
- (iv) Evaluation of structure aspect of the school may be carried out periodically. We direct that the concerned engineers and officials must strictly follow the National Building Code. The Safety Certificate be issued only after proper inspection. Dereliction in duty must attract immediate disciplinary action against the concerned officials.
- (v) Necessary training be imparted to the staff and other officials of the school to use the Fire extinguishing equipment".

2. The Director General of State Disaster Response & Fire Services, Telangana, Hyderabad in his letter 4th read above has requested the Government to constitute an Expert Committee on Setbacks and Retrofitting of Fire Safety installations in the

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existing school buildings as per the directions of the Hon'ble Supreme Court. Accordingly, Government have constituted the Expert Committee with the following Members to suggest norms for different Educational institutions existing prior to the order of the Hon'ble Supreme Court Judgment and also to suggest standard norms applicable for such institutions regarding setbacks and retrofitting of the Fire Safety installations in the existing School buildings vide G.O. 5th read above:

i	Director General, Telangana State Disaster Response & Fire Services Hyderabad	Chairman
ii	One expert from Telangana State Disaster Response & Fire Services Hyderabad	Member
iii	One expert from the Town & Country Planning Department. MA&UD Department	Member
iv	Senior representative from Education Department	Member
v	Representative of School Management Association	Member

4. The Expert Committee has submitted its report with specific recommendations the Director General, TSDR & FS has submitted the recommendations to the Government vide letter 6th read above.

5. Subsequently, the Chief Secretary to Government has convened a meeting with all the concerned on 12.06.2019 on the fire safety issues in schools and decided to issue guidelines on the issues of Fire Safety in the Schools. The Director General, Telangana State Disaster Response & Fire Services Department has also furnished his remarks to Government vide letter 8th read above.

6. Government after careful consideration of the decisions taken in the meeting convened by the Chief Secretary to Government on 12.06.2019 and also further remarks of the Director General, Telangana State Disaster Response & Fire Services Department and in compliance of the directions of the Hon'ble Supreme Court of India in its Judgement dated:13.04.2009 in W.P. No.483 of 2004, here by order that, all Schools existing before the Hon'ble Supreme Court Order i.e., dated:13.04.2009, shall follow the Fire Safety norms as recommended by the Expert Committee as detailed in the **Annexure-I** appended to this order, for the purpose of obtaining the affiliation/recognition. Further Self Certification forms shall be submitted by the Schools for the purpose of affiliation/recognition to the Authority concerned of Education Department, in the proforma prescribed at **Annexure-I** appended, duly marking a copy to the jurisdictional Divisional Fire Officer. The Officers of Telangana State Disaster Response & Fire Service will conduct surprise inspections randomly and if any deviations from Self Certification forms are noticed, the same will be intimated to the concerned authority of Education Department recommending for the cancellation of the affiliation/recognition.

7. Further, all Schools constructed after the Hon'ble Supreme Court Order dated:13.04.2009 shall follow the Safety norms of National Building Code of India. The Telangana State Disaster Response & Fire Services Department will issue Fire No Objection Certificate (NOC) for those schools which come within the purview of Section 13 (1) of Telangana Fire Service Act 1999, that is, Schools which more than 500 Sq.Mtrs in Plot area or 6 Mtrs and above in height duly following the norms of National Building Code of India.

8. All other schools constructed after the Hon'ble Supreme Court order dated:13.04.2009 and which do not come within the purview of the Telangana Fire Service Act, 1999 shall submit self certification forms in the proforma prescribed at **Annexure-II** appended to this order, to the concerned Authority of the Education Department for the purpose of affiliation/recognition by the Education Department duly marking a copy to the jurisdictional Divisional Fire Officer. The Officers of Telangana State Disaster Response & Fire Service will conduct surprise inspections

randomly and if any deviations from self certification forms are noticed, the same will be intimated to the concerned authority of Education Department recommending for the cancellation of the affiliation / recognition.

9. All the Departments concerned shall take necessary action accordingly in the matter.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**RAJIV TRIVEDI
PRINCIPAL SECRETARY TO GOVERNMENT**

To

The Secretary, School Education Department.

The Director General, Telangana State Disaster Response
& Fire Service Department.

The Director, School Education Department, Telangana State, Hyderabad.

Copy to:

All the Regional Joint Directors of School Education through Director of School Education Department.

All the District Educational Officers in the State through the Director of School Education Department.

P.S. to Minister for Home.

P.S. to Minister for Education.

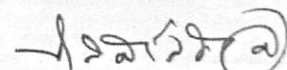
P.S. to Chief Secretary to Government.

P.S. to Principal Secretary to Govt., Home Department.

P.S. to Secretary to Govt., School Education Department.

Sf/Sc.

// FORWARDED :: BY ORDER//


SECTION OFFICER

ANNEXURE -I

(Annexure to G.O.Ms.No.56, Home (Ser.IV) Department, Dated:26.07.2019)

Instructions to be followed for schools existing before 13.04.2009:

SELF CERTIFICATION FORM

Self Certification of Fire Safety Measures by School Management :

i) General Information for School Buildings of all categories i.e., A, B, C & D.

Sl. No.	Details	
1	Date of the opening of the school building	
2	Name of the applicant	
3	Name and address of the School	
4	Telephone Number and email of the applicant	
5	Height of the building (in meters)	
6	No of floors	
7	Abutting Road width (in meters)	
8	Built-up area of each floor in Sq.Mtrs Stilt ----- Ground ----- Floor1 ----- Floor2 -----	
9	Number of Staircases Staircase 1----- (width in meters) Staircase 2----- (width in meters)	
10	Width of each Staircase	
11	Open Spaces Front ----- (width in meters) i Side 1----- (width in meters) g Side 2----- (width in meters) n Rear----- (width in meters) a t	

Signature with date of
School authority and Seal

A) School Buildings with Ground Floor or Ground plus one upper floor.

Sl. No	Fire equipment required	Scale of fire equipment as per Norms	Required	Provided
				Yes/ No
1	Fire Extinguishers (IS 2190:2010)	Two 09 liters water expelling extinguishers or ABC 4 kgs fire extinguisher, for every 200 square meters with minimum of 04 extinguishers per compartment/floor. The extinguisher should be so located as to be available within 15 meter radius.		
2.	Automatic Sprinkler System (IS 15105:2002). The IS standard may be downloaded from www.https://bis.gov.in/	To be installed in basement. If area of basement exceeds 200 square meters		

Note: For Ground +1 floor buildings, if the floor area in a single floor is more than 500 square meters and if there is only single stair case, a second stair case of 1.5 Meters width shall be provided with concrete/Metal Steel structure.

Signature with date of
School authority and Seal

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B) School Buildings with Ground plus two floors and less than 15 Meters in height.

Sl. No	Fire equipment required	Scale of fire equipment as per Norms	Required	Provided
				Yes/No
1	Fire Extinguishers (IS 2190:2010)	Two 09 liters water expelling extinguishers or ABC 4 kgs fire extinguisher, for every 200 square meters with minimum of 04 extinguishers per compartment/floor. The extinguisher should be so located as to be available within 15 meter radius.		
2	First Aid Hose Reel (IS 884:1985)	1 No for every 1000 square meter		
3	Terrace Tank over respective tower terrace	10000 Liters (5000 Liters additionally shall be provided if basement exceeds 200 square meters)		
4	Automatic Sprinkler System (IS 15105:2002) The IS standard may be downloaded from www.https://bis.gov.in/	To be installed in basement. If area of basement exceeds 200 square meters		
5	Pump capacity in LPM at the terrace tank level with minimum pressure of 3.5 kg /cm ²	450 LPM (450 LPM additionally shall be provided if basement exceeds 200 square meters)		
Additional Fire Safety Measures in lieu of deficiency in Setbacks.				
1	Water Shower curtain	Water Shower curtain shall be provided in all floors on the side/sides having deficiency of setback to overcome exposure hazard from fires from neighboring property.		
2	Fire Brigade inlet	02 Nos		

Note: If the floor area in a single floor more than 500 square meters and if there is only single stair case, a second stair case of 1.5 Meters width shall be provided with concrete/Metal steel structure.

Signature with date of
School authority and Seal

C) School Buildings with 15 Meters and above but not exceeding 24 Meters in height

Sl. No	Fire equipment required	Scale of fire equipment as per Norms	Required	Provided
				Yes/No
1	Fire Extinguishers (IS 2190:2010)	Two 09 liters water expelling extinguishers or ABC 4 kgs fire extinguisher, for every 200 square meters with minimum of 04 extinguishers per compartment/floor. The extinguisher should be so located as to be available within 15 meter radius.		

2	First Aid Hose Reel (IS 884:1985)	1 No for every 1000 square meters		
3	Down comer (IS: 3844:1984)	1 No for every 1000 square meters		
4	Manually Operated Electronic Fire Alarm Systems (IS 7240-11:2011) The IS standard may be downloaded from www.bis.gov.in/	To be provided at prominent places. Must be so mounted that they are visible along escape routes and be easily accessible.		
5	Automatic Sprinkler System (IS 15105:2002) The IS standard may be downloaded from www.bis.gov.in/	To be installed in basement. If area of basement exceeds 200 square meters		
6	Terrace Tank over respective tower terrace	25000 Liters		
7	Pump capacity in LPM at the terrace tank level with minimum pressure of 3.5 kg/cm ²	900 LPM		
Additional Fire Safety Measures in lieu of deficiency in Setbacks				
1	Water Shower curtain	To overcome exposure hazard to neighboring property water shower curtain covering entire side in all floors shall be provided on the side where there is deficiency in open space.		
2	Water Monitors	04 Nos		
3	Fire Brigade inlet	Four way Fire brigade Inlet (02 Nos)		
4	Wet Riser (IS: 3844:1984) (Note: it is required in the place of down comer)	1 No for every 1000 square meters		
5	Water supply: Underground static water storage tank with combined capacity for Wet riser, Yard hydrant and Sprinklers	50000 Liters additionally will be provided.		
6	Pump near underground static water storage tank (Fire Pump) with minimum pressure of 3.5 kg/cm ² at remotest location	Provide one Electric and one Diesel Pump (Standby) of capacity 2280 LPM and one electric pump of capacity 180 liter/ min. These will be additionally provided.		
7	Risk Assessment by fire engineer	Risk assessment to be done by qualified fire engineer and any additional fire safety measures advised shall be provided.		

Signature with date of School authority and Seal

D) School Buildings above 24 Meters but not exceeding 30 Meters in height

Sl. No	Fire equipment required	Scale of fire equipment as per Norms	Required	Provided
				Yes/No
1	Fire Extinguishers (IS 2190:2010)	Two 09 liters water expelling extinguishers or ABC 4 kgs fire extinguisher, for every 200 square meters with minimum of 04 extinguishers per compartment /floor. The extinguisher should be so located as to be available within 15 meter radius.		
2	First Aid Hose Reel (IS 884:1985)	1 No for every 1000 square meters		
3	Wet Riser (IS: 3844:1984)	1 No for every 1000 square meters		
4	Yard Hydrant (IS 13039:1991)	1 No for every 30 meters distance on the ground level.		
5	Automatic Sprinkler System (IS 15105:2002) The IS standard may be downloaded from www.https://bis.gov.in/	To be installed in basement. If area of basement exceeds 200 square meters		
6	Manually Operated Electronic Fire Alarm Systems (IS 7240-11:2011). The IS standard may be downloaded from www.https://bis.gov.in/	To be provided at prominent places. Must be so mounted that they are visible along escape routes and be easily accessible.		
7	Water supply : Underground static water storage tank with combined capacity for Wet riser, Yard hydrant and Sprinklers.	50000 Liters additionally will be provided.		
8	Terrace Tank over respective tower terrace	25000 Liters (5000 Liters additionally shall be provided if basement area exceeds 200 square meters)		
9	Pump near underground static water storage tank (Fire Pump with minimum pressure of 3.5 kg/cm ² at remotest location	Provide one Electric and one Diesel Pump (Standby) of capacity 2280 LPM and one electric pump of capacity 180 litre/ min. These will be additionally provided.		
Additional Fire Safety Measures in lieu of deficiency in Setbacks				
1	Water Shower curtain	To overcome exposure hazard to neighboring property water shower curtain covering entire side in all floors shall be provided on the side where there is deficiency in open space.		
2	Water Monitors	04 Nos		
3	Fire Brigade inlet	Four way Fire brigade Inlet (02 Nos)		

4	Water supply : Underground static water storage tank with combined capacity for Wet riser, Yard hydrant and Sprinklers.	50000 Liters additionally will be provided.		
5	Pump near : Underground static water storage tank (Fire Pump with minimum pressure of 3.5 kg/cm ² at Remotest location (Note: up gradation of fire pumps capacity instead of Sl.No.9)	Provide required number of sets of Pumps each consisting of One Electric and one Diesel Pump (Standby) of capacity 2280 LPM and one electric pump of capacity 180 litre/min. These will be additionally provided.		
6	Risk Assessment by fire engineer	Risk assessment to be done by qualified fire engineer and any additional fire safety measures advised shall be provided.		

Signature with date of
School authority and Seal

ii) General Fire Safety Measures which should be followed by all schools:-

Sl. No	General Fire Safety Measures	Whether followed Yes / No
1	The school building shall not be housed in temporary structures with roofs of tent cloth, thatched or any other combustible materials.	
2	It should be ensured that the available Fire Safety Equipment is always in good working condition.	
3	Pre-School, Kinder Garden and Class/Grade 1 Students shall be located on Ground Floor/level of Exit discharge and Class/Grade 2 Students shall be located not above One Floor higher than Ground Floor/level of Exit discharge	
4	Kitchen should be constructed/provided away from the school building	
5	All Schools shall prepare an Evacuation Plan in consultation with local Fire Officer	
6	All Teachers/Employees should be trained in operating the available Fire Safety Equipment in the building.	
7	All Exits/Escapes routes shall be kept free from any obstructions for free passage in case of any emergency.	
8	All the internal staircases, lifts, lobbies and corridors should be adequately ventilated and illuminated.	
9	If the school is provided with central Air-conditioning system, all safety measures as per Clause 10.1 of IS 14435:1997 should be followed.	
10	School Buildings shall be kept free from inflammable and toxic material. If storage is inevitable, they should be stored safely.	
11	Any Hazardous/Combustible Material/Volatile Flammable Liquids shall not be stored in School Buildings	
12	DOs and DON'Ts in case of any Fire/Emergency shall be properly displayed at Strategic locations of the building.	
13	Auto Glow Sign Boards shall be provided indicating Exits/Escapes Routes.	
14	Electric Wiring in the entire building shall be checked and certified by the competent authority	

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5	Structural Stability of the building shall be checked and certified by the competent authority	
16	Public Address System shall be provided for use in case of any emergency and this system shall cover the entire building.	
17	Detailed information regarding the number of Students in each Class Room and the number of teachers/employees working shall be displayed at Strategic locations of the building.	
18	Display all Emergency supporting numbers such as nearest Fire Stations, Police Stations, Hospitals/ Ambulance etc. on all floors and at Strategic locations.	
19	A pictorial map with the details of Entries/Exits, details of Class Rooms/Laboratories/Staff Rooms and Open Place (Assembly Point) of the School Building shall be prepared and displayed in Strategic Locations.	
20	If Basement area of the building exceeds 200 square meters, required to provide Automatic Sprinkler system as per IS 15105:2002	

We.....School Management/Correspondent hereby certify that the information furnished is correct and if it is noticed at any time that the information provided is false, we understand that our school affiliation may be cancelled by the Concerned Authority. We have installed fire safety measures as per the Annexure I and undertake to maintain the same in good working condition at all times.

Signature with date of
School authority and Seal
Name & Designation:

Copy to :
The Divisional Fire Officer of concerned District.

RAJIV TRIVEDI
PRINCIPAL SECRETARY TO GOVERNMENT

Annexure -II

(Annexure to G.O.Ms.No.56, Home (Ser.IV) Department, Dated:26.07.2019)

Instructions to be followed for schools existing after 13.04.2009.

Self Certification form to be submitted by the schools not covered under Section 13 of Telangana Fire Service Act, 1999, that is, schools which are less than 6 mtrs in height or having plot area less than 500 sq.mtrs .:

SELF CERTIFICATION FORM

Self Certification of Fire Safety Measures by School Management

i) General Information for School Buildings.

Sl. No	Details	
1	Date of the opening of the school building	
2	Name of the applicant	
3	Name and address of the School	
4	Telephone Number and email of the applicant	
5	Height of the building (in meters)	
6	No of floors	
7	Abutting Road width (in meters)	
8	Built-up area of each floor in Sq.Mtrs Ground ----- (in meters) Floor1 ----- (in meters)	
9	Number of Staircases	
10	Width of each Staircase	
11	Open Spaces Front ----- (in meters) Side 1----- (in meters) Side 2----- (in meters) Rear----- (in meters)	

ii) Fire Fighting Equipments.

Sl. No	Fire equipment required	Scale of fire equipment as per Norms	Required	Provided Yes/ No
1	Fire Extinguishers (IS 2190:2010)	Two 09 liters water expelling extinguishers or ABC 4 kgs fire extinguisher, for every 200 square meters with minimum of 04 extinguishers per compartment/floor. The extinguisher should be so located as to be available within 15 meter radius.		

Signature with date of
School authority and Seal

iii) General Fire Safety Measures which should be followed by the schools not covered under Section 13 of Telangana Fire Service Act, 1999, that is, schools which are less than 6 mtrs in height or having plot area less than 500 sq.mtrs .:

Sl. No.	General Fire Safety Measures	Whether followed Yes / No
1	The school building shall not be housed in temporary structures with roofs of tent, thatched or any other combustible materials.	
2	It should be ensured that the available Fire Safety Equipment is always in good working condition.	
3	Pre-School, Kinder Garden and Class/Grade 1 Students shall be located on Ground Floor/level of Exit discharge and Class/Grade 2 Students shall be located not above One Floor higher than Ground Floor/level of Exit discharge	

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4	Kitchen should be constructed/provided away from the school building	
5	All Schools shall prepare an Evacuation Plan in consultation with local Fire Officer	
6	All Teachers/Employees should be trained in operating the available Fire Safety Equipments in the building.	
7	All Exits/Escape routes shall be kept free from any obstructions for free passage in case of any emergency.	
8	All the internal staircases, lift, lobbies and corridors should be adequately ventilated and illuminated.	
9	If the school is provided with central Air-conditioning system, all safety measures as per Clause 10.1 of IS 14435:1997 should be followed.	
10	School Buildings shall be kept free from inflammable and toxic material. If storage is inevitable, they should be stored safely.	
11	Any Hazardous/Combustible Material/Volatile Flammable Liquids shall not be stored in School Buildings	
12	DOs and DON'Ts in case of any Fire/Emergency shall be properly displayed at Strategic locations of the building.	
13	Auto Glow Sign Boards shall be provided indicating Exits/Escape Routes.	
14	Electric Wiring in the entire building shall be checked and certified by the competent authority	
15	Structural Stability of the building shall be checked and certified by the competent authority	
16	Public Address System shall be provided for use in case of any emergency and this system shall cover the entire building.	
17	Detailed information regarding the number of Students in each Class Room and the number of teachers/employees working shall be displayed at Strategic locations of the building.	
18	Display all Emergency supporting numbers such as nearest Fire Stations, Police Stations, Hospitals/ Ambulance etc. on all floors and at Strategic locations.	
19	A pictorial map with the details of Entries/Exits, details of Class Rooms/Laboratories/Staff Rooms and Open Place (Assembly Point) of the School Building shall be prepared and displayed in Strategic Locations.	
20	If Basement area of the building exceeds 200 square meters, required to provide Automatic Sprinkler system as per IS 15105:2002	

We School Management/Correspondent hereby certify that the information furnished is correct and if it is noticed at any time that the information provided is false, we understand that our school affiliation may be cancelled by the Concerned Authority. We have installed fire safety measures as per the Annexure I and undertake to maintain the same in good working condition at all times.

Signature with date of
School authority and Seal
Name & Designation:

Copy to :
The Divisional Fire Officer of concerned District.

RAJIV TRIVEDI
PRINCIPAL SECRETARY TO GOVERNMENT

