



**GOVERNMENT OF TELANGANA  
STATE DISASTER RESPONSE & FIRE SERVICES DEPARTMENT  
NO OBJECTION CERTIFICATE**



From  
The Director General  
State Disaster Response and Fire Services,  
Telangana, Hyderabad.

To,  
PRESIDENT OF CARMEL CONVENT HIGH SCHOOL  
ANNA K.P.,  
Carmel convent school,  
behind DCP office,  
Maruthi Nagar,  
Mancherial,

Re. No.325410002020 Dated: 14/07/2020

Sir,

Sub: TELANGANA STATE DISASTER RESPONSE & FIRE SERVICE  
DEPARTMENT –  
Issue of No Objection Certificate for Occupancy to the Non Multi  
storeyed Building of **CARMEL SCHOOL BUILDING, A.C.C.,  
MARUTHI NAGAR MANCHERIAL DT. MANCHERIAL  
TELANGANA 504208/-Mancherial/Mancherial/Mancherial,  
Hyderabad – Regarding.**



Ref: 1. Acknowledgement No.325410002020 dt.14/07/2020  
2. Inspection Committee Report, Acknowledgement No: 325410002020

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1. The Multi Storeyed Building Inspection committee, vide reference cited (2) have inspected the Non Multi Storeyed Building of **CARMEL SCHOOL BUILDING, A.C.C., MARUTHI NAGAR MANCHERIAL DT. MANCHERIAL TELANGANA 504208/-Mancherial/Mancherial/Mancherial** and submitted the following report.

2. The above building was constructed without obtaining the Provisional Noc from this department and now the builder submitted application for issuance of No Objection Certificate for occupancy to the existing building of **Ground, 2 Floors**, with a height of **11.50 Meters** for **EDUCATIONAL B-1 Schools up to senior secondary level**.

3. Open Spaces : The builder provided the following open spaces all around the building.

Sl. No	side	Open space Required as per Supreme Court's order on W.P.No.483 of 2004	Open space Provided
1	North	6.00	6.00
2	South	6.00	6.00
3	East	6.00	6.00
4	West	6.00	7.00
5	Front Direction	South	

4. Means of Access :

Sl. No	Gate Width As per NBC 2016	Required	Provided
1	Entry gate width	6.00	6
2	Exit Gate Width	6.00	6
3	Entry Gate Head Clearance	4.50	6
4	Exit Gate Head Clearance	4.50	6.00

5. Travel Distance

Sl. No.	Item / Description	Required (Not More than in Mtrs.)	Provided
1	Farthest point ( Most Remote Point) With in a storey or a mezzanine floor to the door to an Exit.	30.00	30.00
2	The Dead end of the corridor length in exit access. ( 6 mtrs for Educational, Institutional and Assembly, 15mtrs for other Occupancies)	6.00	6.00

6. Stair Cases (As per NBC 2016)

Sl.no.	Type of staircases	Width (In Mtrs)	No of staircases	Floors from	Floors to
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1	Internal staircases	1.50	1	Ground	2nd Floor
2	Internal staircases	1.60	1	Ground	2nd Floor
3	External staircases	1.50	1	Ground	1st Floor

#### 7. Means of Escape Floor Wise Details

Sl.no	Floor type	Buil-up Area in Sq.Mtrs	Type of Occupancy	Occupant Load	Means of escape required as per table 21 of NBC	Means of escape Provided
1	Ground	967.55	EDUCATIONAL B-1 Schools up to senior secondary level	242.00	2.42	24.10
2	1st Floor	967.55	EDUCATIONAL B-1 Schools up to senior secondary level	242.00	2.42	4.60
3	2nd Floor	612.22	EDUCATIONAL B-1 Schools up to senior secondary level	153.00	1.53	3.10

#### 8. Floor Wise details of Fire Fighting Installations.

Sl.no	Floor Details	Fire Extinguisher	Hose Reel	Automatic Sprinklers System	Manually Operated Electronic Fire Alarm System	Automatic detection and alarm system
1	Ground	5.00	1.00	0.00	0.00	0.00
2	1st Floor	5.00	1.00	0.00	0.00	0.00
3	2nd Floor	4.00	1.00	0.00	0.00	0.00

#### 9. Fire Fighting Installations as per Table 7 of NBC 2016:

Fire Fighting System.	Required As per NBC	Provided
Fire Extinguishers	14.00	14
First Aid Hose Reel	3.00	3
Terrace Tank over Respective Tower Terrace in Litres	10000.00	30000
Pump Capacity in LPM at the Terrace Tank Level with Minimum Pressure of 3.5 kg/cm <sup>2</sup>	450.00	450

#### 10. The builder has provided the following additional Fire Safety Requirements as per NBC of India 2016 as per NBC part 4 of India 2016::

Sl. No	Fire safety Item
1.	Open spaces all around the building are Levelled and have hard open spaces for the operation of fire vehicles.
2.	The upper floors of the educational building are provided with exits for every travel distance of 30 meters (TYPE I & 2 constructions) as per table 5 under clause 4.4.2.1, 4.4.2.2 of Part IV of NBC 2016
3.	The width of all exit door ways has 01-00 meter for class rooms and 02-00 meters in respect of Assembly halls as per clause 8.1 of IS 14435:1997?
4.	The height of exit door ways has 02-00 meters and more, as per clause of 8.2 of IS 14435:1997?
5.	A minimum number of two separate exits are provided for each floor as per clause 6.2 of IS 14435:1997?
6.	The exits shall be remote from each other as practicable as per clause 6.2 of IS 14435:1997?
10	<b>Floor Openings Fire Protection Complied with As per Clause 3.4.5.4</b>
	a) Openings in Service ducts and shafts allowing building services like cables, Electrical wirings, Telephone cables, plumbing pipes etc., shall be protected by enclosure in the form of ducts / shaft having a fire resistant's not less than 120 min.
	c) Medium and low voltage wiring running in shafts / ducts shall either be armoured type or run through metal conduits.
11	<b>Vertical openings Fire Protection Complied with as per Clause- 3.4.5.6</b> Every vertical opening between the floors of a building shall be suitably enclosed or protected, as necessary, to provide the following:
	a) Reasonable safety to the occupants while using the means of egress by preventing spread of fire, smoke, or fumes through vertical openings from floor to floor to allow occupants to complete their use of the means of egress.

Further it shall be ensured to provide a clear height of 2100 mm in the exit access.

b) Limitation of damage to the building and its contents.

**12 Electrical safety complied with as per Clause 3.4.6 of part – 4 NBC of India 2016**

b) the electric distribution cables/wiring shall be laid in a separate shaft. The shaft shall be sealed at every floor with fire stop materials having the same fire resistance as that of the floor. High, medium and low voltage wiring running in shaft and in false ceiling shall run in separate shaft/conduits.

**Lightning protection of buildings is Complied with as per clause – 3.4.6.5**

**13** Routing of down conductors (insulated or uninsulated) of lightning protection through electrical or other service shafts are not allowed as it can create fire and explosion during lightning. For details, see Part 8. Building Services, Section 2 Electrical and Allied Installations' of the Code

**14 Escape Lighting and Exit Signage is Complied with as per Clause 3.4.7**

Exit access, exits and exit discharge shall be properly identified, with adequate lighting maintained in the elements of the egress systems so that all occupants shall be able to leave the facility safely.

**15 Lighting is Complied with as per Clause – 3.4.7.1**

a) The exit, exit access and exit discharge systems shall be illuminated continuously. The floors of the means of egress shall be illuminated at all points, including angles and intersections, in corridors and passageways, stairwells, landings of stairwells and exit.

b) Emergency lighting shall be powered from a source independent of that supplying the normal lighting.

c) The emergency lighting shall be provided to be put on within 5 s of the failure of the normal lighting supply. Also, emergency lighting shall be able to maintain the required illumination level for a period of not less than 90 min in the event of failure of the normal lighting even for smaller premises.

d) Signs are required at all exits, emergency exits and escape routes, which should comply with the graphic requirements of the relevant Indian Standards

**17** Number of exits, Arrangements of exits and capacities of Means of egress types of exit access and exits etc., complied with Clause 4.4.2 of part – 4 NBC of India 2016

**Fire Drills and Fire orders Complied with Clause 4.11 of part – 4 NBC of India 2016**

**19** Fire notices/orders shall be prepared to fulfil the requirements of firefighting and evacuation from the buildings in the event of fire and other emergency. The occupants shall be made thoroughly conversant with their action in the event of emergency, by displaying fire notices at vantage points and also through regular training. Such notices should be displayed prominently in bold lettering. For guidelines for fire drills and evacuation procedures for high rise buildings, see Annex D

**20** Fire extinguishers / fixed fire fighting installations, static water storage tanks and pump house are Complied with Clause 5.1 of part – 4 NBC of India 2016

**23** Fire Drills shall be conducted with accordance with the fire safety plan at least once in every 03 months for building during the first 02 Years and there after once in 6 months as per Clause D-3 in annex. D of Part IV NBC of India 2016.

11) In view of the above and as per recommendations of the multistoried building inspection Committee, the No Objection Certificate for occupancy is issued to Multi Storied Building with

Sl No	As Builder	As occupant	As Security Personnel
1	-All the fire protection arrangements shall be maintained in good condition as seen during inspection. -Do's and Don't in case of fire shall be prominently displayed in entire building	All the escape/exit roots shall not be kept locked/blocked or encroached	All the occupants must know the correct method of operation of the fire fighting system installed.
2	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibility of the management.	All occupants shall be trained to operate the fire safety equipments during emergency.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.
3	Addition / alteration, if any in the building may be verified by building	Mock drills should be conducted once in 3 months	All security personnel shall be trained to operate the fire safety equipments during



	authority.	for initial two years. Thereafter, once in every 6 months.	emergency and guiding the occupants in safe evacuation. Call the fire Brigade by dialing 101.
4	This No objection Certificate for occupancy is valid for five year from the date of issue of this letter.	Raise the alarm if the fire cannot be controlled, evacuate the area completely at once from the nearest safe exit.	Attack the fire using available fire equipment only if you feel capable of controlling it. If Not, take all steps to isolate the area by closing doors and windows.

This No Objection Certificate for Occupancy is valid for Five years from the date of issue of this letter. It is the responsibility of the builder to apply for renewal NOC, duly remitting the user charges as per G.O. Ms. No. 71, Home (Prison – A) Department, dated 01-04-2010, two months before expiry of this No Objection Certificate.

Yours Sincerely,  
Director General of State Disaster  
Response & Fire Services  
Telangana, Hyderabad

Copies to:

- i) The Management
- ii) Multistoried Building Inspection Committee

*Rusmon*  
**PRINCIPAL**  
**CARMEL CONVENT HIGH SCHOOL**  
(Affiliated to C.B.S.E., New Delhi)  
MANCHERIAL-504 208.  
Mancherial Dist. T.S.

*Maryamma*  
**PRESIDENT**  
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