

## GOVERNMENT OF TELANGANA STATE DISASTER RESPONSE & FIRE SERVICES DEPARTMENT NO OBJECTION CERTIFICATE FOR OCCUPANCY



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

To,
Hi-Tech Scholars Residential School
C/o Sri.P Harigopal,
Survey No.268,
Ragahvendra nagar,
Athvelly(V), Medchal(M),
Medchal-Malkajgiri District, Telangana

	Ack. No. 035/RFO/HYD/2021Dated:04/10/2021
Sir,	
Sub:	TELANGANA STATE DISASTER RESPONSE & FIRE SERVICE DEPARTMENT —. Issue of No Objection Certificate for Occupancy to the Multi storeyed Building of Hi-Tech Scholars Residential School,C/o Sri.P Harigopal,Survey No.268, Ragahvendra nagar,Athvelly(V), Medchal(M),Medchal-Malkajgiri District, Telangana — Regarding.
Ref:	<ol> <li>Acknowledgement No035/RFO/HYD/2021</li> <li>This Office Provisional NOC Ack/RC No.0 dt.</li> <li>Multi-Storeyed Building Inspection Committee Report,. Hyderabad Ack. No. 035/RFO/HYD/20211, dt. 04/10/2021</li> </ol>
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The Multi Storeyed Building Inspection committee, vide reference cited (3) has inspected the Multi Storeyed Building of of Hi-Tech Scholars Residential School, C/o Sri.P Harigopal, Survey No.268, Ragahvendra nagar, Athvelly (V), Medchal (M), Medchal-Malkajgiri District, Telangana on 04/10/2021 and submitted the following report.

2) The builder was issued Provisional No Objection certificate vide reference cited (2) for construction of Multi Storeyed Building, G+2 Floors, with for EDUCATIONAL B-2 All others/training institutions. Now the builder has constructed the Multi Storeyed Building with G+2 Floors with a height of 10.30 Meters for EDUCATIONAL B-2 All others/training institutions Occupancy and requested for No Objection Certificate for Occupancy.

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

	Sl.No	Side	Open space Required as per Provisional No Objection Certificate	Open space Provided
a	1	North	7.00	0.80
	2	South	7.00	0.00
1	3	East	7.00	2.20
-	4	West	7.00	4.00

This is not stepped type building.

b	Sl. No	Gate Width As per NBC 2016	Required	Provided
	1	Entry gate width	4.50	N/A
	2	Entry Gate Head Clearance	5.00	N/A
	3	Exit Gate Width	4.50	N/A
	4	Exit Gate Head Clearance	5.00	N/A

6. Travel Distance

SI.	Item / Description	Required (Not More	Required(Not more than in Mtrs)	Provided
1	Farthest point he door to a	( Most Remote Point) With in a storey or a mezzanine floor to a Exit.	30.00	15.00
2		of the corridor length in exit access. (6 mtrs for Educational, and Assembly, 15mtrs for other Occupancies)	6.00	6.00

I		of staircases al staircases	-	Width (In Mtrs)		taircases		rs from		loors to
-	mem	ai staircases		1.50	0		Cella	ır	T	errace
8)Mea	ins of Esc	ape Floor Wi	se Detai	ls-Building No:1						
Sl.n o	Floor type	Buil-up Area in Sq.Mtrs	Туре	of Occupancy	t Load per table 21 of NBC		esca	ns of pe vided		
1	Ground	557.62			212.00	2.12			4.05	
2	1st Floor	557.62		CATIONAL B-2 All //training institutions	212.00 2.12 4.05		4.05			
3	2nd Floor	557.62		CATIONAL B-2 All Arraining institutions	212.00 2.12 4.			4.05		
9).Fire	Shaft as	per clause 2.2	4 and A	NNEX E (E-2) of part 4 h	NBC 2016					
Item /	Descript	ion	, und 1	(L-2) of part 41	Required		[]	Provided		
Fire Sh	aft / Fire	Lift			1		(	)		
10). Flo	oor Wise	details of Fir	e Fighti	ng Installations:						
Sl.n o	Floor Details	Fire Extinguish er	Hose Reel	Automatic Sprinklers System		Operated c Fire Aları	n System	Automa alarm sy		ection and
1	Groun	5.00	1.00	0.00	1.00 0.00			-		
2	1st Floor	5.00	1.00	0.00	1.00 0.00					
3	2nd Floor	5.00	1.00	0.00 1.00 0.00			0.00			
1) Fire	e Fighting	Installations	ac nor	Table 7 of NBC 2016.	IIIACESIISA AVEISA KOI SANSKISEEN NAAKIISEEN IIN ISAASI	aproprieta de la companya de la comp	SSENSONIS DESTRUCCIONAS CONTRACTOR DE TRACTOR DE L'ONFRANCE DE L	M-S-1416-indaminates mili Sygnativa postor	-	Manufacture
	thing Sy		s as per	Table / OT NBC 2010.	OROZVESKESZEJÍ ČERO ČZYBO POSLZVENI NUZSBALJED	THE RECORD OF THE PROPERTY OF	Require	ed As per l	NRC	Provided
	tinguisher		ewww.uumunungs		CTIONALIA INNIGACIONALIA INTERCENTALIA	BCCCC MEDITORICS TO THE BOOK OF COMMISSION SHOULD THE BOOK OF THE	30.00	Market Per 1	NDC	8
	d Hose R		-		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	HARMAN STREET,	7.00	ALE MITTHEOLOGY THE SECOND		6
Down C		MITTER STATE OF THE STATE OF TH				1.00				2
		ed Electronic	Fire Al	arm Systems	MATERIA NA PROPERTIE NA PROPERT	CONTRACTOR CONTRACTOR OF THE STATE OF THE ST	7.00		-	6
			HPRINCESSES NAMED IN THE PERSON NAMED IN THE P	Terrace in Litres	NESAGREGO ES ESCOPO AN ARCHEPOS PERCENDA CONTRACTOR		50000.0	0		40000
-	-	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	THE RESERVE ASSESSMENT OF THE PARTY OF THE P	Tank Level with Minimu	ım Pressure				1800	
g/cm^2	2				1000.00					1000
2). The	builder l	nas provided	the follo	wing additional Fire Safe	ety Require	ments as per	NBC of I	ndia 2016:		
.no	FI		s Fire I	Protection as per Clause ducts and shafts allowing		ervices like o	cables. Ele	ctrical wir	ings 7	Telephone
	cal		g pipes	etc., shall be protected by						-
	b)7	The inspectio	n door f	or electrical shafts / ducts	s have fire i	esistance rat	ing of 120	min		
	c)N	Medium and	low volt	age wiring running in sha	ifts / ducts	are armoured	d type or ri	ın through	metal	conduits.
	ha	ving e resistance r	ating of	e electrical cables/condu not less than 120 min. The For plumbing shafts in the	his shall ex	clude require	ement of f	ire stop se	aling f	for low
	bui	lding, the sha	afts shal	I have inspection doors h n the core of the building	aving fire r	esistance rat	ing not les	s than 30	min	
	har	e inspection	doors h	aving fire resistance ratin	a not loss t	han 20 min				

	Vertical openings Fire Protection as per Clause- 3.4.5.6  a) Every vertical opening between the floors of a building is suitably enclosed or protected, as necessary, to
	provide the following:
	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 2 100 mm in the exit access.
	b) Limitation of damage to the building and its contents.
3.	Electrical Installation as per Clause – 3.4.6 (For requirements regarding installations from the point of view of fire safety, reference may be made to good practice [4(6)] and 8. Building Services, Section 2 Electrical and Allied Installations. Of the Code.)
	a) In general, it is desirable that the wiring and cabling are with flame retardant property. Medium and low voltage wiring running in shafts and within false ceiling shall run in metal conduit. Any 230 V wiring for
-	lighting or other services, above false ceiling, shall have 660 V grade insulation.  b) The electric distribution cables/wiring are laid in a separate shaft. The shaft is sealed at every floor with
	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.
	c) Water mains, gas pipes, telephone lines, intercom lines or any other service line shall not be laid in the
	for electrical cables; use of bus ducts/solid rising mains instead of cables is preferred.
18.	General Exit Requirements as per clause – 4.2 4.2.3  a) Every exit, exit passageway and exit discharge shall be continuously maintained free of all obstructions or impediments to full use in the case of fire or other emergency.
-	4.2.7b) For non-naturally ventilated areas, fire doors with 120 min fire resistance rating shall be provided
	particularly at the entrance to lift lobby and stair well where a .funnel or flue effect' may be created, inducing an upward spread of fire, to prevent spread of fire and smoke.
	4.2.9c) Doors in exits shall open in the direction of exit. In case of assembly buildings (Group D) and institutional buildings (Group C-1), exit door shall not open immediately upon a flight of stair and all such entries to the stair shall be through a landing, so that such doors do not impede movement of people descending from a higher floor when fully opened (see Fig. 4A). While for other occupancies, such doors shall not reduce the pathway in the landing by more than half the width of such staircase (see Fig. 4B).
	Over- head or sliding doors shall not be installed.  4.2.11d) Unless otherwise specified, all the exits and exit passageways to exit discharge shall have a clear
	ceiling height of at least 2.4 m. However, the height of exit door shall be at least 2.0 m (see Fig. 5).
	4.2.16e) Suitable means shall be provided so that all access controlled exit doors, turnstiles, boom barriers and
	other such exits shall automatically operate to open mode during emergencies like fire, smoke, acts of terrorism, etc, so that people can safely and quickly egress into safe areas outside. If required, a master controlling device
	may be installed at a strategic location to achieve this.
	4.2.17f) Penetrations into and openings through an exit are prohibited except those necessary like for the fire protection piping, ducts for pressurization and similar life safety services. Such openings as well as vertical passage
	of shaft through floors shall be protected by passive systems.
19.	Exit Access as per Clause – 4.4.1  a) In order to ensure that each element of the means of egress can be effectively utilized, they shall all be properly lit and marked. Lighting shall be provided with emergency power back-up in case of power failures.
	Fire Extinguishers/Fixed Firefighting Installations as per clause – 5.1 5.1.1 All buildings depending upon
	the occupancy use and height shall be protected by fire extinguishers, hose reels, wet riser, down-comer, yard
).	hydrants, automatic sprinkler installation, deluge system, high/medium velocity water spray, foam, water mist systems, gaseous or dry powder system, manual/automatic fire alarm system, etc, in accordance with
	the provisions of various clauses given below, as applicable:
	a) These fire extinguishing equipment and their installation shall be in accordance with accepted
	standards [4(17)]. The extinguishers shall be mounted at a convenient height to enable its quick access
	and efficient use by all in the event of a fire incidence. The requirements of fire extinguishers/yard
	shall be as specified in Table 7. The requirements regarding size of mains/risers shall be as given in
	Table 8. The typical arrangements of down-comer and wet riser installations are shown in Fig. 13. The

wet riser shall be designed for zonal distribution ensuring that unduly high pressures are not developed in risers and hose-pipes. b) First-aid firefighting appliances shall be provided and installed in accordance with good practice [4(18)]. firefighting equipment and accessories to be installed in buildings for use in firefighting shall also be in accordance with the accepted standard [4(17)] and shall be maintained periodically so as to ensure their perfect serviceability at all times. c) Valves in fixed firefighting installations shall have supervisory switch with its signalling to fire alarm panel or to have chain(s), pad lock(s), label and tamper-proof security tag(s) with serial number to prevent tampering/unauthorized operation. These valves shall be kept in their intended open position. d) In addition to wet riser or down-comer, first- aid hose reels shall be installed in buildings (where under Table 7) on all the floors, in accordance with accepted standard [4(19)]. The first-aid hose reel shall be connected directly to the riser/down-comer main and diameter of the hose reel shall not be less than 19 mm. e) Wet risers shall be interconnected at terrace level to form a ring and cut-off shall be provided for each connection to enable repair/maintenance without affecting rest of the system. f) Pressure at the hydraulically remote hydrant and at the highest hydrant shall not be less than 3.5 bar. The pressure at the hydrants shall however not exceed 7.0 bar, considering the safety of operators. It may be planned to provide orifice plates for landing valves to control pressure to desired limit especially at lower levels; this could also be achieved through other suitable means of pressure reducing devices such as pressure controlled hydrant g) Hydrants for firefighting and hose reels shall be located in the lobby in firefighting shaft. Those hydrants planned to be provided near fire exit staircase on the floor shall be within 5 m from exit door in exit access. Such hydrant cabinet may finish with doors to meet interior finishes with requirement of glass panel to provide visibility to the installations inside and inscribed with the word: FIRE HOSE CABINET of letter size 75 mm in height and 12 mm in width. Such door of the fire hose cabinet need not be fire resistant rated. shall be shown on floor plan and duly displayed in the landing of the respective fire exit staircase. The location of such cabinets 4.2.9c) Doors in exits shall open in the direction of exit. In case of assembly buildings (Group D) and institutional buildings (Group C-1), exit door shall not open immediately upon a flight of stair and all such entries to the stair shall be through a landing, so that such doors do not impede movement of people descending from a higher floor when fully opened (see Fig. 4A). While for other occupancies, such doors shall not reduce the pathway in the landing by more than half the width of such staircase (see Fig. 4B). Over- head or sliding doors shall not be installed. 4.2.11d) Unless otherwise specified, all the exits and exit passageways to exit discharge shall have a clear height of at least 2.4 m. However, the height of exit door shall be at least 2.0 m (see Fig. 5). 4.2.16e) Suitable means shall be provided so that all access controlled exit doors, turnstiles, boom barriers other such exits shall automatically operate to open mode during emergencies like fire, smoke, acts of terrorism, etc, so that people can safely and quickly egress into safe areas outside. If required, a master controlling device may be installed at a strategic location to achieve this. 4.2.17f) Penetrations into and openings through an exit are prohibited except those necessary like for the protection piping, ducts for pressurization and similar life safety services. Such openings as well as vertical passage of shaft through floors shall be protected by passive systems. Exit Access as per Clause - 4.4.1 a) In order to ensure that each element of the means of egress can be effectively utilized, they shall all be 19. properly lit and marked. Lighting shall be provided with emergency power back-up in case of power failures. Also, exit signs of adequate size, marking, location, and lighting shall be provided so that all those unfamiliar with the location of the exits may safely find their way. Fire Extinguishers/Fixed Firefighting Installations as per clause - 5.1 5.1.1 All buildings depending upon the occupancy use and height shall be protected by fire extinguishers, hose reels, wet riser, down-comer, yard hydrants, automatic sprinkler installation, deluge system, high/medium velocity water spray, foam, water mist systems, gaseous or dry powder system, manual/automatic fire alarm system, etc, in accordance with the provisions of various clauses given below, as applicable: a) These fire extinguishing equipment and their installation shall be in accordance with accepted standards [4(17)]. The extinguishers shall be mounted at a convenient height to enable its quick access and efficient use by all in the event of a fire incidence. The requirements of fire extinguishers/yard

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	etc. shall be as specified	in Table 7. The requirements	regarding size of mains risers shall be as given in			
	Table of the typical all	ingements of down-				
	comer and wet riser inst	allations are shown in Fig. 13. The pressures are not developed in	he wet riser shall be designed for zonal distribution			
1	The firefighting equipm	appliances shall be provided an ent and accessories to be install	d installed in accordance with good practice [4(18)], ed in buildings for use in firefighting shall also be in be maintained periodically so as to ensure their			
	panel of to have chain(s	), pad lock(s), label and tamper-	pervisory switch with its signalling to fire alarm proof security tag(s) with serial number to prevent kept in their intended open position.			
	d) In addition to wet rise under Table 7) on all the	er or down-comer, first- aid hose floors, in accordance with acce	reels shall be installed in buildings (where required pited standard [4(19)]. The first-aid hose reel shall be proton of the lose reel shall not be less than 19 mm.			
	e) Wet risers shall be int	erconnected at terrace level to fo pair/ maintenance without affecti	orm a ring and cut-off shart be provided and cut-off shart be provided and cut-off shart be provided as a ring and cut-off sha			
	to provide orifice plates	for landing valves to control pre	highest hydrant shall not be less than 3.5 bar. The considering the safety of operators. It may be planned ssure to desired limit especially at lower levels; this reducing devices such as pressure controlled			
	Such hydrant cabinet maprovide visibility to the	ay finish with doors to meet inter installations inside and inscribed	ed in the lobby in firefighting shaft. Those hydrants is shall be within 5 m from exit door in exit access. From finishes with requirement of glass panel to with the word: FIRE HOSE CABINET of letter the fire hose cabinet need not be fire resistant rated.			
	The location of such cab	pinets	ding of the respective fire exit staircase.			
-	The location of such cabinets shall be shown on floor plan and duly displayed in the landing of the respective fire exit staircase.  Static water storage tanks as per clause – 5.1.2.1  a) firefighting shall always be available in the form of underground/terrace level static storage tank with a firefighting shall always be available in the form of underground.					
30.	capacity specified for each outland with a capacity specified for the hydrant services shall be stored in an easily accessible surface/underground lined reservoir					
	or above ground tanks of steel, concrete or masonry. The effective capacity of the read in Table 7. the pump casing (flooded suction) for various types of occupancies shall be as indicated in Table 7.  Firefighting pump house as per clause 5.1.2.2 The requirements shall be as given below:  a) It is preferable to install the pump house at ground level. Pump house shall be situated so as to be directly a) It is preferable to install the pump house at ground level.					
31.	a) It is preferable to list	ounding ground level.	The requirements shall be as given below: ed in terms of Table 7 throughout the building in			
32.	a) Automatic sprinklers	ractice [4(20)].	and of the upsprinklered			
	a) Automatic sprinkers shall accordance with good practice [4(20)].  b) If selective sprinklering is adopted, there is a real danger of a fire starting in one of the unsprinklered area gathering momentum spreading to other areas and reaching the sprinklered areas as a fully developed area gathering momentum spreading to other areas and reaching the sprinklered areas as a fully developed fire. In such an event, the sprinklers can be rendered useless or ineffective.					
43.	Compartmentation as per clause - 4.5  4.5.2 All floors shall be compartmented/zoned with area of each compartment being not more than 750 m2.  The maximum size of the compartment shall be as follows, in case of sprinklered basement/building:					
15.		paragraphic and anticol Additional Property of the Control of the				
	Sl. No		Use			
	1		Basement car parking			
	6		Business buildings			
	the No Objection Certificate for School, C/o Sri. P Harigo Malkajgiri District, Tele institutions Occupancy s	Occupancy is issued to Multi Stopal, Survey No.268, Ragahvendangana, with a height of 10.30 Multiple to the following lude the responsibilities of the Britanian street to the survey of the s	the multistoried building inspection Committee, bried Building of Hi-Tech Scholars Residential lra nagar, Athvelly (V), Medchal (M), Medchal- eters for EDUCATIONAL B-2 All others/training milder, Management Body of the building,			
SI No Builder and	Management Body	nt Body  Occupant  Management Body and fire and security personnel				

SI No Builder and Management Body	Occupant	Management Body and fire and security personnel
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1	arrangements shall be maintained in good condition as seen during inspection.  -b) Do's and Don'ts in case of fire shall be prominently displayed in entire building		All the occupants must know the correct method of operation of the fire fighting systems 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 equipment 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 authority.	Mock drills should be conducted once in 3 months for initial two years.  Thereafter, once in every 6 months.	All security personnel shall be trained to operate the fire safety equipment during 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.

"THIS IS COMPUTER GENERATED DOCUMENT AND DO NOT REQUIRE ANY STAMP OR SIGNATURE"