State Disaster Response and Fire Services Department
Government of Telangana

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Online Inspection Report

AcknowledgementNo: 508990002023 Type of Application: WithOutProvisional Occupancy Noc,committee members SFO-Chevella, ADFO-RangaReddy

Name of Building : PALLAVI SCHOOL - VIF EDUCATION SOCIETY

Type of Noc: Occupancy

part Occupancy remarks 0

Conditional Occupancy remarks

Plot Size(In Sq.Mtrs): 44110.00

Total Height of the building Including Stilt / TDR/ Environment Deck / Podium Floors (In Mtrs): 14.80

TDR Floors Height (In Mtrs): 0.00

Environment Deck Floors Height (In Mtrs): 0.00

Total Height of Stilt / Podium floor(s) (In Mtrs): 0

Front Direction: North

Occupancy Type: EDUCATIONAL B-1 Schools up to senior secondary level

Whether surrendering land in road widening If Yes(Note:Minimum 7m open spaces required on all side of the building) : ○ Yes ◉ No

Note:Height of the building considered open space calculation(In Mtrs): 14.80

Direction	Supreme Court's order on W.P.No.483 of 2004, Date:13.04.2009	Open space Provided	Deficit	Remarks
North	6.00	6.00	✓	0
East	6.00	6.00	✓	0
West	6.00	6.00	✓	0
South	6.00	6.00	✓	0

Steped Remarks:

1	Gate(Entry)	6.00	6	✓
2	Gate(Exit)	6.00	6	✓
3	Entry Head Clearnce(in Mtrs)	4.50	5.5	✓
4	Exit Head Clearnce(in Mtrs)	4.50	5.50	✓
5	From the farthest point	30.00	29.90	✓
6	From the dead end of the corridor exit access	6.00	5.90	✓
7	Abutting Road Width(In Mtrs):	12.00	30	✓
8	fire fighting shafts/fire lifts	0	0	✓

Sl.no.	Type of staircases	Width As Per NBC	Width (In Mtrs)	No of staircases	Total Width	Deficit
1	Internal staircases	1.50	1.90	1	1.90	✓
2	External staircases	0.00	1.40	3	4.20	✓
3	External staircases	1.50	1.50	1	1.50	✓
4	External staircases	0.00	1.30	1	1.30	✓
5	Ramp(From ground to upper level used as means of escape like in hospitals etc.)	1.50	2.00	1	2.00	✓
	Total		8.1	7	10.9	

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	Deficit
1	Lower Ground	2877.10	EDUCATIONAL B-1 Schools up to senior secondary level	719.00	7.19	20.00	✓
2	Ground	3261.80	EDUCATIONAL B-1 Schools up to senior secondary level	815.00	8.15	14.00	✓
3	1st Floor	3261.80	EDUCATIONAL B-1 Schools up to senior secondary level	815.00	8.15	10.90	✓
4	2nd Floor	3261.80	EDUCATIONAL B-1 Schools up to senior secondary level	815.00	8.15	10.90	✓
	Total	12662.5					

Sl.No	Floor	Built-up area in sq.mtrs	Extinguishers	Hose Reel	Wet Riser	Down Comer	Yard Hydrant	Sprinklers	Manually operated electrical fire alaram system	Automatic Detection and Alarm System
1	Lower Ground	2877.10	15.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Ground	3261.80	17.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00

4	2nd Floor	3261.80	17.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	12662.5	66	15	0	0	0	0	0	0

Sno	**Fire Fighting System.**	**Required As per NBC**	**Provided**	**Deficit**
1	Fire Extinguishers	66.00	66	✓
2	First Aid Hose Reel	15.00	24	✓
3	Wet Riser	0.00	0	✓
4	Down Comer	0.00	6	✓
5	Yard Hydrant	0.00	0	✓
6	Automatic Sprinkler System	0.00	0	✓
7	Manually Operated Electronic Fire Alarm Systems	0.00	12	✓
8	Automatic Detection and Alarm System	0.00	0	✓
9	Under-ground Static Water Storage Tank Combined Capacity for Wet Riser,Yard Hydrant and Sprinklers per Set of Pumps in Litres	0.00	0	✓
10	Capacity of Terrace Tank over Respective Tower Terrace in Litres	10000.00	60000	✓
11	Pump capacity in LPM at the Terrace Tank level with min Pressure of 3.5 Kg/CM^2	450.00	1350	✓
12	Number of Pump Near Underground Static Water Storage Tank (Fire Pump) with Minimum Pressure of 3.5 kg/cm^2 at Remotest Location (Electrical)	0	0	✓
13	Capacity of Electrical Pump in LPM	0.00	0	✓
14	Number of Pump Near Underground Static Water Storage Tank (Fire Pump) with Minimum Pressure of 3.5 kg/cm^2 at Remotest Location (Diesel)	0	0	✓
15	Capacity of Diesel Pump in LPM	0.00	0	✓
16	Number of Pump Near Underground Static Water Storage Tank (Fire Pump) with Minimum Pressure of 3.5 kg/cm^2 at Remotest Location (Electrical/Jockey)	0	0	✓
17	Capacity of Electrical (Jockey) Pump in LPM	0.00	0	✓
18	No. of Terrace Tanks over Respective Tower in ltrs	1	3	✓
19	No. of Pumps at the Terrace Tank level with min pressure of 3.5 Kg/Cm^2	1	3	✓

Sl.no.	Fire Safety Measures	Status
1	Whether open spaces all around the building are Leveled and hard spaces for operation of fire vehicles.	YES

	4.4.2.1, 4.4.2.2 of Part IV of NBC 2016NOTE: For TYPE 3 & 4 constructions the travel distance is 22.5mtrs . Construction of Type 3 or Type 4 is not permitted	
3	Whether the width of all exit door ways are minimum 01-00 meter for class rooms and 02-00 meters in respect of Assembly halls as per clause 8.1 of IS 14435:1997?	YES
4	Whether the height of exit door ways is 02-00 meters and more, as per clause of 8.2 of IS 14435:1997?	YES
5	Whether the minimum number of two separate exits for each floor as per clause 6.2 of IS 14435:1997 have been provided?	YES
6	Whether the exits are remote from each other as practicable as per clause 6.2 of IS 14435:1997?	YES
7	Whether at least 02 Doorways are proposed for every room with a capacity of over 45 persons As per clause 6.2.2(a) of part-IV of NBC-2016	YES
8	Whether the Location of Rooms of Preschool, Kindergarten, Class/Grade 1 student at Ground Floor/level only and Class/Grade II student at ground or First Floor only	YES
9	Whether the building is suitably Compartmented and provided with smoke control measures so that fire / smoke remain confined to the area where fire incident has occurred and does not spread to the remaining part of the building as per Clause 4.5 and 4.6 of part 4 NBC of India 2016.	YES
10	Whether Floor Openings Fire Protection As per Clause 3.4.5.4 are provided	YES
10.1	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.	YES
10.2	b)The inspection door for electrical shafts / ducts shall be not less than 120 min.	YES
10.3	c)Medium and low voltage wiring running in shafts / ducts shall either be armoured type or run through metal conduits	YES
10.4	d)The space between the electrical cables/conduits and the walls/slabs shall be filled in by a fire stop material having fire resistance rating of not less than 120 min. This shall exclude requirement of fire stop sealing for low voltage services shaft.	YES
10.5	e)For plumbing shafts in the core of the building, with shaft door opening inside the building, the shafts shall have inspection doors having fire resistance rating not less than 30 min..	YES
11	Whether Vertical openings Fire Protection provided as per Clause- 3.4.5.6 Every vertical opening between the floors of a building shall be suitably enclosed or protected, as necessary, to provide the following:	YES
11.1	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 2 100 mm in the exit access.	YES
11.2	b)Limitation of damage to the building and its contents	YES
12	Whether electrical safety are compled with as per Clause 3.4.6 of part – 4 NBC of India 2016	YES
12.1	a)Whether the wiring and cabling are having 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	YES
12.2	b)Whether 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.	YES
12.3	c)water mains, gas pipes, telephone lines, intercom lines or any other service line shall not be laid in the duct for electrical cables; use of bus ducts/solid rising mains instead of cables is preferred.	YES
12.4	d)Whether all metallic items like steel structural members, etc, shall be bonded properly to the earthing system.	YES
13	Whether Lightning protection of buildings complies with clause – 3.4.6.5 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	YES
14	Whether Escape Lighting and Exit Signage complies with 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.	YES
15	Whether Lighting complies with Clause – 3.4.7.1	YES

	and intersections, in corridors and passageways, stairwells, landings of stairwells and exit.	
15.2	b)Emergency lighting shall be powered from a source independent of that supplying the normal lighting.	YES
15.3	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.	YES
15.4	d)Signs are required at all exits, emergency exits and escape routes, which should comply with the graphic requirements of the relevant Indian Standards.	YES
16	Whether Exit passageway (at ground) and staircase lighting is connected to alternative supply. The alternative source of supply may be provided by battery continuously trickle charged from the electric mains as per clause – 3.4.7.2	YES
17	Whether Number of exits, Arrangements of exits and capacities of Means of egress types of exit access and exits etc., are complying with Clause 4.4.2 of part – 4 NBC of India 2016	YES
18	Whether Smoke control of exits are complying with Clause 4.4 2.5of part – 4 NBC of India 2016	YES
19	Whether Fire Drills and Fire orders are complying with Clause 4.11 of part – 4 NBC of India 2016 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	YES
20	Whether Fire extinguishers / fixed fire fighting installations, static water storage tanks and pump house are complying with Clause 5.1 of part – 4 NBC of India 2016	YES
21	Whether Automatic sprinkler installation are proposed as per Clause 5.1.3 of part – 4 NBC of India 2016 (If Basement exceeds 200 sq. Mtr. Area)	YES
22	Whether Fire Safety plans are Submitted Note: Fire Safety plans shall be submitted at the time of occupancy by the builder.	YES
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.	YES

Recommended	Yes 
Additional Fire Safety Measures Recommended by the Department	1) All provided fire safety systems in the building shall always be maintained in good working condition and if any loss of property /human life or any eventuality took place due to non-functioning of the fire fighting systems, the owner/school management shall be held total responsibility. 2) The owner/ school management shall ensure that, clear driveways with 06.00 meters width with hard surface shall be maintained always all around the building without any obstructions