

**GOVERNMENT OF ANDHRA PRADESH
STATE DISASTER RESPONSE AND FIRE SERVICES DEPARTMENT**

From :
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Regional Fire Officer,
Southern Region, A.P., Vijayawada.

To:
The Chairman,
AICTE, Nelson Mandela Marg,
New Delhi.

Rc.No.87/RFO/SR/2019, Dt: 04.02.2019.

Sir,

Sub : A.P.State Disaster Response and Fire Services Department-Southern Region-Chittoor District-Issue of No Objection Certificate for Occupancy to the Non-Multi Storeyed Building of Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District –Regarding.

Ref : 1. Circular Memorandum Rc.No.3350/Audit/NOC/2012, Dt:09.03.2017 of Director General, State Disaster Response and Fire Services, A.P., Vijayawada.
2. Application of Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
3. Inspection committee report Rc.No.193/DFO/CTR/2019, Dt: 19.01.2019.

With reference to the above 4th cited, the inspection committee of Chittoor District has inspected and scrutinized the plans of Non-Multi Storeyed Building of Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District on 10.01.2019 and submitted the following report.

2. The builder constructed the Educational Building of Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District (Educational – Group – B2).

3) South Block:

(i) Particulars of the Building:

1)	Address of the Building	:	Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
2)	Area of Plot/Ht.of Building	:	27.67 acres/14 Mtrs.
3)	No. of Blocks/Floors	:	01 Block/Ground + 03 Upper Floors only.
4)	Type of Occupancy	:	Educational – Group – B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	Nil	Connected to East Block
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	Nil	Connected to West Block in south-west corner

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	2459.56 Sq.Mts	Educational	300
2.	Mezzanine-1	184 Sq.Mts	Educational	30
3.	Mezzanine-2	184 Sq.Mts.	Educational	30
4.	1 st floor	1775.75 Sq.Mts	Educational	150
5.	2 nd floor	1775.75 Sq.Mts	Educational	150
6.	3 rd floor	1775.75 Sq.Mts	Educational	150
	Total	8154.81 Sq.mts	--	810

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.50 Mtrs	01 No	2.20 Mtrs	Nil
2.	Internal Staircase for Mezzanine-1 Auditorium	1 No.	1.50 Mtrs	02 No	1.27 + 1.27 = 2.54 Mtrs	Nil
3.	Internal Staircase for Mezzanine-2 Library	1 No.	1.50 Mtrs	02 No	1.06 + 1.06 = 2.12 Mts.	Nil
4.	External Staircase	1 No	1.25 Mtrs	Nil	Nil	Connected to East and west blocks except third floor
Total		04 Nos	4.75 Mtrs	05 No	06.86Mtrs	Nil

Note: The Corridors of South & East Blocks connected in 1st floor only. In west side corridors connected 1st & 2nd floors. We request the management to connect the corridors of remaining floors of South block with East and West blocks.

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	2459.56 Sq.Mts	Educational	300	Required No. of Doors	Sufficient No. of doors	Nil
1.	Mezzanine-1 Auditorium	184 Sq.Mts	Educational	30	0.30 Mts.	2.54 Mts.	Nil
2.	Mezzanine-2- Library	184 Sq.Mts.	Educational	30	0.30 Mts.	2.12 Mts.	Nil
3.	1 st floor	1775.75 Sq.Mts	Educational	150	1.50 Mtrs	2.20Mtrs	Nil
4.	2 nd floor	1775.75 Sq.Mts	Educational	150	1.50 Mtrs	2.20Mtrs	Nil
5.	3 rd floor	1775.75 Sq.Mts	Educational	150	1.50 Mtrs	2.20Mtrs	Nil
Total		8154.81 Sq.mts	-	810	-	2.20 Mtrs	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India - 2016.

S. No	Item	Required	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	82 Nos	82 Nos	Nil
2.	Hose Reel	16 Nos	16 Nos	Nil
3.	Terrace Tank	10,000 Ltrs	10,000 Ltrs	Nil
4.	Booster pump 450 LPM	01	01	Nil

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	24	05	--	--
2.	Mezzanine -1	02	01		
3.	Mezzanine -2	02	01		
4.	1 st Floor	18	03	--	--
5.	2 nd Floor	18	03		
6.	3 rd Floor	18	03	10,000 Lts	450 LPM
Total		82	16	10,000 Lts	450 LPM

Contd...3p.

4) Eastern Block:**(i) Particulars of the Building:**

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres/ 10 Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Cellar + Ground + 02 Upper Floors only.
- 4) Type of Occupancy : Educational – Group – B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	Nil	Connected to south block in south west corner

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Cellar	1787.24 Sq.Mts	Educational	208
2.	Ground	2421.75 Sq.Mts	Educational	208
3.	1 st floor	2133.66 Sq.Mts	Educational	210
4.	2 nd floor	2133.66 Sq.Mts	Educational	210
	Total	8476.31 Sq.mts	--	838

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.50 Mtrs	01 No's	2.80 Mtrs	Nil
2.	External Staircase	1 No	1.25 Mtrs	02 No's	01.80 + 1.80 Mtrs= 3.60	Nil
	Total	02 Nos	2.75 Mtrs	03 No's	6.40Mtrs	Nil

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Remarks
1.	Cellar	1787.24	Educational	208	Required No. of Doors	Sufficient No. of doors	In east side it is Ground Floor from west it is cellar
2.	Ground	2421.75	Educational	208	Required No. of Doors	Sufficient No. of doors	Nil
3.	1 st floor	2133.66	Educational	210	2.10 Mtrs	6.40Mtrs	Nil
4.	2 nd floor	2133.66	Educational	210	2.10 Mtrs	6.40Mtrs	Nil
	Total	8476.31	-	838	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India – 2016.

S. No	Item	Required	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	85 Nos	92 Nos	Nil
2.	Hose Reel	12 Nos	12 Nos	Nil
3.	Terrace Tank	10,000 Ltrs	10,000 Ltrs	Nil
4.	Booster pump 450 LPM	01	01	Nil

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Cellar	23	03	--	--
2.	Ground Floor	23	03	--	--
3.	1 st Floor	23	03	--	--
4.	2 nd Floor	23	03	10,000 Lts	450 LPM
	Total	92	12	10,000 Lts	450 LPM

5) Western Block:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres / 14 Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground + 03 Upper Floors only.
- 4) Type of Occupancy : Educational – Group – B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	South east side connected to south block
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants decalred by the management
1.	Ground	2086.07 Sq.Mts	Educational	208
2.	1 st floor	2099.90 Sq.Mts	Educational	210
3.	2 nd floor	2099.90 Sq.Mts	Educational	210
4.	3 rd floor	2099.90 Sq.Mts	Educational	210
	Total	8385.77 Sq.mts	--	838

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.50 Mtrs	01 No's	2.75Mtrs	Nil
2.	External Staircase	1 No	1.25 Mtrs	02 No's	01.80 + 1.80 Mtrs = 3.60	Nil
	Total	02 Nos	2.75 Mtrs	03 No's	6.35Mtrs	Nil

Note: The applicant is requested to provide one staircase in west block North east corner as the dead end exceeds 06.00 Mrs. According to clause 4.4.2 of Part IV of NBC.

v)The details of occupant Load pereunitExit width in all floors is furnished asbelow:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants decalred by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	2086.07 Sq.Mt	Educational	208	Required No. of Doors	Sufficient No. of doors	Nil
2.	1 st floor	2099.90 Sq.Mt	Educational	210	2.10 Mtrs	6.35Mtrs	Nil
3.	2 nd floor	2099.90 Sq.Mt	Educational	210	2.10 Mtrs	6.35Mtrs	Nil
4.	3 rd floor	2099.90 Sq.Mt	Educational	210	2.10 Mtrs	6.35Mtrs	Nil
	Total	8385.77 Sq.mts	-	838	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India - 2016.

S. No	Item	Required	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	84 Nos	92 Nos	Nil
2.	Hose Reel	12 Nos	12 Nos	Nil
3.	Terrace Tank	10,000 Ltrs	24,000 Ltrs	Nil
4.	Booster pump 450 LPM	01	01	Nil

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	23	03	--	--
2.	1 st Floor	23	03	--	--
3.	2 nd Floor	23	03		
4.	3 rd Floor	23	03	24,000 Ltrs	450 LPM
	Total	92	12	24,000 Ltrs	450 LPM

6) Circular Block:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres / 10 Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground + 02 Upper Floors only.
- 4) Type of Occupancy : Educational - Group - B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	770.23Sq.Mts	Educational	150
2.	1 st floor	770.23 Sq.Mts	Educational	150
3.	2 nd floor	770.23 Sq.Mts	Educational	150
	Total	2310.69Sq.mts	--	450

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.50 Mtrs	Nil	Nil	1.50 Mtrs
2.	External Staircase	1 No	1.25 Mtrs	1 No	1.83 Mtrs	Nil
	Total	02 Nos	2.75 Mtrs	01 Nos	1.83Mtrs	1.50 Mtrs

Note: Requested the applicant to provide 1.50 Mtrs Internal staircases as per NBC-2016.

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	770.23 Sq.Mts	Educational	150	Required No. of Doors	Sufficient No. of doors	Nil
2.	1 st floor	770.23 Sq.Mts	Educational	150	1.50 Mtrs	1.83 Mtrs	Nil
3.	2 nd floor	770.23 Sq.Mts	Educational	150	1.50 Mtrs	1.83 Mtrs	Nil
	Total	2310.69Sq.mts	-	450	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India - 2016.

S. No	Item	Required	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	23 Nos	23 Nos	Nil
2.	Hose Reel	03 Nos	03 Nos	Nil
3.	Terrace Tank	10,000 Ltrs	10,000 Ltrs	Nil
4.	Booster pump 450 LPM	01	01	Nil

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	08	01	--	--
2.	1 st Floor	08	01	--	--
3.	2 nd Floor	07	01	10,000 Lts	450 LPM
	Total	23	03	10,000 Lts	450 LPM

7) Industrial Block:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres /5.49Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground + Mezzanine Floor only.
- 4) Type of Occupancy : Educational - Group - B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	876.48Sq.Mts	Educational	150
2.	Mezzanine	232.32Sq.Mts	Educational	50
	Total	1109Sq.mts	--	200

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.50 Mtrs	2 No	0.83Mtr +0.83Mtr	Nil
2.	External Staircase	1 No	1.25 Mtrs	N.A	N.A	Nil
	Total	02 Nos	2.75 Mtrs	02 Nos	1.66 Mtrs	-

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	876.48Sq.Mts	Educational	150	Required No. of Doors	Sufficient No. of doors	Nil
2.	Mezzanine	232.32Sq.Mts	Educational	50	0.50 Mtrs	1.66 Mtrs	Nil
	Total	1109Sq.mts	-	200	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India - 2016.

S. No	Item	Required	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	11 Nos	17 Nos	Nil
2.	Hose Reel	02 Nos	02 Nos	Nil

Note: Down comer connected to east block down comer.

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	10	01	--	--
2.	Mezzanine	07	01	--	--
	Total	17	02	N.A	N.A

8) Canteen:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres /6.00Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground + 1st Floor only.
- 4) Type of Occupancy : Assembly D-6

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	53.19 Sq.Mts	Residential	05
2.	1 st Floor	53.19 Sq.Mts	Store	05
	Total	106.38Sq.mts	--	10

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.50 Mtrs	1 No	0.70Mtrs	0.80Mtrs.
2.	External Staircase	1 No	1.25 Mtrs	Nil	Nil	1.25 Mtrs
	Total	02 Nos	2.75 Mtrs	01 Nos	0.70Mtrs	2.05Mtrs

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	53.19Sq.Mts	Residential	05	Required No. of Doors	Sufficient No. of doors	Nil
2.	1 st Floor	53.19Sq.Mts	Store	05	0.05 Mtrs	0.70 Mtrs	Nil
	Total	106.38Sq.mts	-	40	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India - 2016.

S. No	Item	Required as per NBC 2005	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	02 No's	02 No's	Nil
2.	Hose Reel	01 No's	01 No's	Nil

Note: Down comer connected to east block down comer

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	01	01	--	--
2.	1 st Floor	01	Nil	--	--
	Total	02	01	Nil	Nil

9) Power House:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres /6.00 Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground + 1st Floor only.
- 4) Type of Occupancy : Utility Building.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	74.42 Sq.Mts	Utility	10
2.	1 st Floor	74.42 Sq.Mts	Utility	10
	Total	148.84 Sq.mts	--	20

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.00 Mtrs	1 No	0.85 Mtrs	0.15 Mtrs.
2.	External Staircase	1 No	1.25 Mtrs	Nil	Nil	Nil
	Total	02 Nos	2.75 Mtrs	01 Nos	0.85 Mtrs	0.15 Mtrs.

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	74.42 Sq.Mts	Utility	10	Required No. of Doors	Sufficient No. of doors	Nil
2.	1 st Floor	74.42 Sq.Mts	Utility	10	0.10 Mtrs	0.85 Mtrs	Nil
	Total	148.84 Sq.mts	-	20	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India – 2016.

S. No	Item	Required as per NBC 2005	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	02 Nos	02 Nos	Nil
2.	Hose Reel	01 Nos	01 Nos	Nil

Note : Down comer connected to east block down comer.

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	01	01	--	--
2.	1 st Floor	01	Nil	--	--
	Total	02	01	Nil	Nil

10) Black Smith Block:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres /6.00 Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground + 1st Floor only.
- 4) Type of Occupancy : Educational – Group – B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	52.39 Sq.Mts	Educational	10
2.	1 st Floor	52.39 Sq.Mts	Educational	10
	Total	104.78 Sq.mts	--	20

iv) Means of Escape provided by the management as per Table 4, Part-IV of NBC-2016.

S. No	Details of Staircases	Required		provided		Deficit
		Nos.	Width	Nos.	Width	
1.	Internal Staircase	1 No.	1.00 Mtrs	1 No	0.70 Mtrs	0.30 Mtrs.

v) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	52.39 Sq.Mts	Educational	10	Required No. of Doors	Sufficient No. of doors	Nil
2.	1 st Floor	52.39 Sq.Mts	Educational	10	0.10 Mtrs	0.70 Mtrs	Nil
	Total	104.78 Sq.mts	-	20	-	-	Nil

vi) The management provided the following fire fighting systems as per Table 7 of National Building Code of India - 2016.

S. No	Item	Required as per NBC 2005	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	02 Nos	02 Nos	Nil
2.	Hose Reel	01 Nos	01 Nos	Nil

Note : Down comer connected to east block down comer

vii) The details of Floor wise fire fighting systems are provided by the management.

S. No	Floor	Fire extinguishers	Hose Reel	Terrace Tank	Booster Pump
1.	Ground Floor	02	01	--	--
2.	1 st Floor	02	Nil	--	--
	Total	04	01	Nil	Nil

11) Agro Lab Block:

(i) Particulars of the Building:

- 1) Address of the Building : Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- 2) Area of Plot/Ht.of Building : 27.67 acres /6.00 Mtrs.
- 3) No. of Blocks/Floors : 01 Block/Ground Floor only.
- 4) Type of Occupancy : Educational - Group - B2.

ii) The Builder has provided the following open spaces all around the building.

Direction	Open Spaces Required as Per Go.Ms.No.168	Open Space Provided	Deficit
North	06.00 Mtrs	06.00 Mtrs	Nil
East	06.00 Mtrs	06.00 Mtrs	Nil
South	06.00 Mtrs	06.00 Mtrs	Nil
West	06.00 Mtrs	06.00 Mtrs	Nil

iii) Floor area Particulars:

S.No	Floor	Area in Sq. Meters	Type Occupancy	No of occupants declared by the management
1.	Ground	200.85Sq.Mts	Educational	50
	Total	200.85Sq.mts	--	50

iv) The details of occupant Load per unit Exit width in all floors is furnished as below:

Sl. No.	Floor	Built-up area in Sq. Mtrs	Type of Occupancy details	No of occupants declared by the management	Means of escape required as per Table 4 of NBC	Provided	Deficit
1.	Ground	200.85Sq.Mts	Educational	50	Required No. of Doors	Sufficient No. of doors	Nil

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v) The management provided the following fire fighting systems as per Table 7 of National Building Code of India – 2016.

S. No	Item	Required as per NBC 2005	Provided	Deficit
1.	Fire Extinguishers as per IS:2190.	04Nos	04 Nos	Nil
2.	Hose Reel	02 Nos	02 Nos	Nil

Note: Down comer connected to east block down comer

12) Challana Details:-

Sl. No.	Nature of Fees	Challan No.	Date	Name of the Treasury	Amount
1.	Fire precautionary Fee& user chargers @ 10%	20035208072 018	06-10-2018	Sub Treasury, Madanapalli	Rs.3,22,300/-

13) The following fire safety norms should be ensured at all times.

1	Fixed and first-aid firefighting equipment, alarms etc. shall be tested and maintained regularly as per applicable standards and fire drills conducted quarterly for first two years and thereafter half year.
2	No temporary structure such as tents or with thatched construction should be allowed for educational institutions.
3	Every room with a capacity of 45 students shall be maintained obstruction free minimum two Doorways provided.
4	All the fire protection arrangements shall be maintained in good repairs as seen during inspection.
5	All the escape / exit routes shall not be kept locked/blocked or encroached,
6	All the occupants must know the correct methods of operation of the fire fighting system installed.
7	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be responsibility of the management.
8	All students/staff members of the institution shall be trained to operate the fire safety equipments during emergency.
9	Addition/alteration, if any in the building may be obtained with prior permission from this Department
10	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in six months.

14) Further, the inspection committee has stated that, the Management has provided minimum fire safety measures as per Table-7, Part – IV, NBC -2016 except following deficiencies.

S.No.	Name of the Block	Staircase / Fire Equipment
1.	South Block	1) The Corridors of South & East Blocks connected in 1 st floor only. In west side corridors connected 1 st & 2 nd floors. We request the management to connect the corridors of remaining floors of South block with East and West blocks.
2.	Western Block	1) The applicant is requested to provide one staircase in west block North east corner as the dead end exceeds 06.00 Mtrs. According to clause 4.4.2 of Part IV of NBC.
3.	Circular Block	1) Requested the applicant to provide 1.50 Mtrs staircases as per NBC-2016.

15) The inspection committee stated that, they have tested fire fighting equipments found satisfactory and recommended to issue Conditional Occupancy No Objection Certificate to the premises of Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.

16) Basing on recommendation of the inspection committee, Chittoor District and as per available documents submitted by the management, the No Objection Certificate for occupancy is issued to the Non-Multi Storeyed Building of Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District, subject to the condition that, the management has to maintain all open spaces which shall be kept free from obstructions and shall be motorable. The mandatory open spaces left around the building shall not be used for parking.

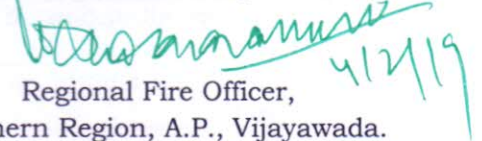
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S. No.	As Builder	As Occupant	As Security personnel
1.	All the fire protection arrangements shall be maintained in good repair as seen during inspection.	All the escape / exit roots shall not be kept locked / blocked or encroached.	All the occupants must know the correct method of operation of the firefighting system installed
2.	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibilities 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 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 equipments during emergency.
4.	This is only for Fire Safety Point of View.	Raise the alarm If the fire cannot be controlled, evacuate the area completely at once with 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.

17) Further, the management is informed that, this NOC is issued from fire safety point of view only basing on the recommendation of the inspection committee, Chittoor District and as per available documents submitted by the management and this NOC is not for claiming proprietary or ownership rights. Further, in case of any deviation noticed with respect to this NOC after issuance of this NOC, the same NOC shall be liable for cancellation at any time.

18) This No Objection Certificate for Occupancy is valid for a period of one year from the date of issue, subject to the conditions in Para No. 16 & 17. It is the responsibility of the management to apply for next Renewal Certificate, duly remitting the user charges as per G.O.Ms.No.140, Home (Prison-A) Department, Dt: 04.09.2015 two (2) months before expiry of this No Objection Certificate for Occupancy.

Yours faithfully,


4/2/19

Regional Fire Officer,
Southern Region, A.P., Vijayawada.

Copies to

- (i) The Secretary & Correspondent, Madanapalli Institute of Technology and Science, at Angallu Village, Madanapalli, Chittoor District.
- (ii) The District Fire Officer, Asst. District Fire Officer, Chittoor District and Station Fire Officer, Madanapalli.