

Tele 0891-2012345

Reply should be addressed to
The Flag Officer Commanding-in-Chief
(for Command Aviation Officer)

Headquarters
Eastern Naval Command
Naval base
Visakhapatnam - 14

Quoting: AO/0177/NOC/Anjani Builders/Vizag

16 May 18

Shri K Venkata Rambhadra Kumar Raju
C/o Shri K Venkateswara Rao
FF-203, Sector-3
Sri Venkateswara Tower
MVP Colony
Visakhapatnam-530017

ISSUE OF NOC

1. Refer to Shri K Venkata Rambhadra Kumar Raju letter dated 24 Jan 18(not addressed to all).
2. No Objection Certificate for construction of residential cum commercial building (1 Cellar+ Stilt+ G + Fourteen floors) by Shri K Venkata Ramabhadra Kumar Raju, Managing Partner, Anjani Builders, GVMC, Visakhapatnam is forwarded herewith. The proposed construction is to a height not exceeding 94.00 Mtrs AMSL (Nine four decimal zero zero meters Above Mean Sea Level).



(Satyen Vartak)
Commodore
Command Aviation Officer
for Flag Officer Commanding-in-Chief

Enclosure. As above

Copy to:-

The Chief of the Naval Staff
(for PDNAS)
Integrated Headquarters
Ministry of Defence (Navy)
New Delhi - 110 011

- With enclosure

The Chief of the Naval Staff
(for Principal Director Works)
Integrated Headquarters
Ministry of Defence (Navy)
New Delhi - 110 011

- With enclosure



Headquarters
Eastern Naval Command
Naval Base
Visakhapatnam - 530 014

Quoting : AO/0177/NOC/Anjani Builders/Vizag

16 May 18

NOC FOR CONSTRUCTION OF RESIDENTIAL CUM COMMERCIAL BUILDING
BY SHRI K VENKATA RAMABHADRA KUMAR RAJU, ANJANI BUILDERS

1. This Headquarters has no objection for construction of residential building cum commercial building (1cellar +stilt+ ground +fourteen floors) by Shri K Venkata Ramabhadra Kumar Raju, Managing Partner, Anjani Builders, GVMC, Visakhapatnam. The details of the proposed construction are appended below-

- (a) Survey No : 27/15, 27/15A
(b) Village : Yendada
(c) City : GVMC,
(d) Dist. : Visakhapatnam
(e) Coordinates of the site are as follow:-

17° 46' 50.39" N	83° 21' 53.37" E
17° 46' 50.59" N	83° 21' 51.85" E
17° 46' 53.14 N	83° 21' 53.04" E
17° 46' 52.51 N	83° 21' 54.76" E
17° 46' 52. 23 N	83° 21' 53.64" E

(f) The maximum height of the proposed construction is 94.00 meters AMSL.

(g) The proposed construction is on a bearing of 067° at a distance of 16.4 Kms from ARP and falls in the Outer Horizontal Surface of Visakhapatnam airfield.

2. This No Objection Certificate (NOC) is being issued on the express understanding that the site elevation, height of structure including any structure on top, relative position, distance and bearing from the ARP, as provided by the applicant are correct. If however, at any stage, it is established that the data as provided by the applicant is actually different from the one submitted and which could adversely affect aircraft operations; the structure or part thereof, in respect of which NOC issued, will have to be demolished at his/ her own cost as may be directed by this Headquarters. The applicant(s) is/are, therefore, advised in his/her/their own interest to again verify the elevation of structure, distance from ARP before commencement of the proposed construction.

3. The issue of this NOC is further subject to the provisions of Section 9A of the Indian Aircraft Act 1934, Gazette of India Notification G.S.R.751 (E) dated 30 Sep 15 and any amendments issued there under from time to time. Under which the applicant may be called upon by this Headquarters to demolish in whole or in part the structure now being authorized vide this NOC. Following stipulations be adhered to in the construction of structure:-

(a) No light, TV antenna, lighting arresters, staircase, mumtee, overhead water tank and attachments or fixtures of any kind shall project above the height indicated in Para 1.

(b) No light or a combination of lights, which by reason of its intensity, configuration or colour, may cause confusion with the aeronautical ground lights of the airfield shall be installed at the site at any time during or after the construction of the structure.

(c) There should be no electromagnetic transmission of any nature that may cause interference to aircraft/ Air Traffic Control radiotelephony operation.

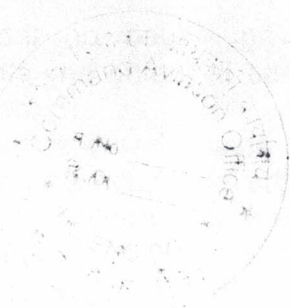
(d) The tower should be marked by day and lighted by night with secondary power supply, as appended below for night identification by aircraft in accordance with Chapter 6 of ICAO Annex 14.

Note.

Night Marking. The presence of the object must be lighted with fixed red lights that shall be located at the top of the object and additional lights shall be provided to illuminate the structure. The number and arrangement of light be such that the object is indicated from every angle in azimuth. The top light shall be so arranged as to atleast indicate the point on edges of the object. The minimum intensity of lights used for marking shall not be less than 10 candles of red lights

4. The NOC will be valid for a period of five years from the date of its issue. If the structure is not constructed and completed within the above-mentioned period of five years, the applicant will be required to obtain a fresh NOC from Headquarters, Eastern Naval Command. The date of completion of the structure should be intimated to Headquarters, Eastern Naval Command with a copy to the Commanding Officer, INS Dega.

5. The NOC issued is non-transferable. However, in case of change of ownership of property, the new owner / lessee for re-issue of NOC should submit an application.





(Satyen Vartak)
Commodore
Command Aviation Officer
for Flag Officer Commanding-in-Chief

Government of Andhra Pradesh
A.P. State Disaster Response and Fire Services Department

Provisional Fire No Objection Certificate

To
GVMC,
Visakhapatnam.
Sir/Madam,

File No: 5286/VSP/MSB/2018
Date: 16/11/2018

Sub: Andhra Pradesh State Disaster Response and Fire Services Department - Issue of Provisional No Objection Certificate for the Proposed Construction of Multi Storeyed Building of **(K.V.Rama Bhadra Kumar Raju) K.V.Rama Bhadra Kumar Raju, Sy.No.27/15, & 27/15A at Yendada Village, abutting at the GITAM College Road, Division No07, Zone-5, GVMC Limits, Visakhapatnam.** - Regarding.

- Ref:
1. Online Application Dt. 09/11/2018 , K.V.Rama Bhadra Kumar Raju, Sy.No.27/15, & 27/15A at Yendada Village, abutting at the GITAM College Road, Division No07, Zone-5, GVMC Limits, Visakhapatnam.
 2. Online Inspection Report submitted by Officers of this Department on 14/11/2018.
 3. Setbacks for the High-rise buildings as per Home (Prisons & Fire) Department Memo.No. 13165/2018-P&F Dt.25-09-2018 and Circular Memo No. MAU01-28029/67/2018-M SEC-MAUD (M2), Dt. 26-07-2018

It is to inform that K.V.Rama Bhadra Kumar Raju have applied for Provisional No Objection Certificate on 09/11/2018 for proposed construction of Multi Storeyed Building for K.V.Rama Bhadra Kumar Raju at Sy.No.27/15, & 27/15A at Yendada Village, abutting at the GITAM College Road, Division No07, Zone-5, GVMC Limits, Visakhapatnam.. The officers of the department have scrutinized the information, documents and plans submitted by the applicant along with the undertaking provided by the applicant, and have submitted the following report.

K.V.Rama Bhadra Kumar Raju

2. The builder has proposed to construct a Multi Storeyed Building with 2 Basements + Stilt + Ground Floor + 14 Upper Floors with a height of 44.95 Mtrs for Residential Occupancy (Category - A4) in a total plot area of 4355.01 sq. meters.

3. The builder has proposed open spaces all around the building

Side	Open Space Required as per GO.Ms.No.119(APBR, 2017) of MA & UD Dept	Open Space Proposed by the Builder	Remarks
North	7 Meters	7.59 Meters	-Nil-
East	7 Meters	7.00 Meters	-Nil-
South	13 Meters	13.00 Meters	-Nil-
West	7 Meters	7.63 Meters	-Nil-

4. The builder has proposed to provide following means of escape, as per clauses 4.4.2.4.3.2 and 4.4.2.4.3.4 , Part - IV NBC 2016

Sl	Details of Staircases	Required Nos / Meters as per NBC	Required based on Floor Area	Proposed Nos / Meters	Deficit

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Sl	Details of Staircases	Required Nos / Meters as per NBC	Required based on Floor Area	Proposed Nos / Meters	Deficit
1	Internal Staircases	Min 1 No. - 1.25 Meters	--	2 Nos. - 1.30 Meters Each	-Nil-
2	External Staircases	Min 1 No. - 1.5 Meters	--	1 No. - 1.60 Meters	-Nil-
3	Ramp (above Ground)	Min 1 No. - 2.0 Meters	--	0 No. - 0.00 Meters	-Nil-
4	Basement Ramp	Min 1 No. - 1-Way: 3.6 / 2-Way: 5.4 Meters	--	1 No. - 6.02 Meters	-Nil-
Total		2 Nos.	1 Meters	4.20 Meters	-Nil-

5. The builder has proposed to provide Occupant Load as per unit Exit width:

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases/Doors Required (Meters)	Aggregate width of Staircases/Doors Proposed (Meters)	Fire Doors	Fire Lift	Deficit
1	Sub Cellar	2704.63	Parking	0	--	0	2.6	2	0	-Nil-
2	Cellar	2704.63	Parking	0	--	0	2.6	2	0	-Nil-
3	Stilt Floor	1516.25	Parking	0	--	0	4.2	2	0	-Nil-
4	Ground Floor	1283.37	Residential	102	102	1.02	4.2	2	0	-Nil-
5	1st Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
6	2nd floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
7	3rd Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
8	4th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
9	5th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
10	6th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
11	7th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
12	8th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
13	9th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
14	10th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-

Sl	Floor	Built up area (Sq Mtrs)	Occupancy Type	No of Occupants as declared by the builder	No of Occupants as per NBC	Aggregate width of Staircases/Doors Required (Meters)	Aggregate width of Staircases/Doors Proposed (Meters)	Fire Doors	Fire Lift	Deficit
15	11th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
16	12th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
17	13th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
18	14th Floor	1377.13	Residential	110	110	1.1	4.2	2	0	-Nil-
	Total	27488.7		1642	1642					

6. The minimum Fire Fighting Installations required as per Table 7 of Part 4 of National Building Code of India 2016 are:

Sl	Fire Safety System	Minimum Required
1	Fire Extinguishers	141 Nos.
2	Hose Reel Systems	38 Nos.
3	Wet Riser	2 Nos (For Each Floor)
4	Automatic Sprinkler System	452 Nos.
5	Manually Operated Electric Fire Alarm System	52 Nos.
6	Underground Tank	75000 Ltrs
7	Terrace Tank	5000 Ltrs
8	Fire Pump	Note 10

7. The builder has proposed to provide the following floorwise Fire Fighting installations as per Table 7 of Part - 4 of NBC of India 2016.

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Sprinklers	MCP	Underground Tank	Terrace Tank	Fire Pump
1	Sub Cellar	14	3		226	2			
2	Cellar	14	3		226	2			
3	Stilt Floor	8	2			3			
4	Ground Floor	7	2			3			
5	1st Floor	7	2			3			
6	2nd floor	7	2			3			
7	3rd Floor	7	2			3			
8	4th Floor	7	2			3			
9	5th Floor	7	2			3			
10	6th Floor	7	2			3			
11	7th Floor	7	2			3			
12	8th Floor	7	2			3			
13	9th Floor	7	2			3			
14	10th Floor	7	2			3			

Sl.	Floor	Fire Ext.	Hose Reel	Wet Riser	Sprinklers	MCP	Underground Tank	Terrace Tank	Fire Pump
15	11th Floor	7	2			3			
16	12th Floor	7	2			3			
17	13th Floor	7	2			3			
18	14th Floor	7	2			3			
	Total	141	38	2 Nos (For Each Floor)	452	52	75000 Ltrs	5000 Ltrs	Note 10

- **WetRiser / DownComer - 100mm with single outlet landing valves.**
- **Provide ABC 5 kg/6 kg fire extinguishers**
- **Note 10: Provide required number of sets of pumps each consisting of 1 Electric and 1 Diesel Pump (standby) of capacity 2280 Litres/min and one Electric Pump of Capacity 180 Litres/min.**

8. The Officers of the department have recommended to issue The Provisional No Objection Certificate for the proposed construction of MSB Residential Building (A4) belonging to **K.V.Rama Bhadra Kumar Raju Sy.No.27/15, & 27/15A at Yendada Village, abutting at the GITAM College Road, Division No07, Zone-5, GVMC Limits, Visakhapatnam.**, subject to the following conditions.

1. The permission accorded doesn't confer any ownership rights. If it is found that the information furnished is false and fabricated, the permission will be revoked at any stage and the applicant will be liable for criminal prosecution as per IPC.
2. This permission is given based on the information, documents and drawings provided by the applicant. The applicant confirms that the information provided and the documents and drawings submitted electronically are correct. The final approvals of proceedings are subjected to verification of documents by concerned official including site visit. Any deviation noticed will lead to cancellation of NOC.
3. Prior approval should be obtained separately for any change of nature of occupancy or change of number of floors or area.
4. Structural safety shall be the responsibility of the Owner / Builder / Developer / Architect or Engineer.
5. Provide one entry and one exit to the premises with minimum width of 4.5 mts and height clearance of 5.0 mtrs.
6. Provide diesel generator of required capacity as alternate source of electric supply.
7. Provide emergency lighting in corridors, common passages and staircases.
8. The occupant load and occupants per unit exit width and minimum travel distance for occupancy shall be as per clause 4.3 (Table 3), clauses 4.4.2.1, Table 4 Capacity factors, Clauses 4.4.2.1, 4.4.2.3(c), 4.4.2.4.2(a) and Table 5 Clauses 4.4.2.1, 4.4.2.2, of part 4-NBC 2016
9. The building shall be suitably compartmented so that fire/smoke remain confined to the area where fire incident has occurred and does not spread to the remaining parts of the building as per clause 4.5 Part 4 of National Building Code of India 2016.
10. Openings in any separating walls in any floor shall be limited to 5.6 meters in area with maximum height of 2.75 meters. Every wall opening shall be protected with Fire resisting doors having fire rating of not less than 2 hrs. All openings in the floors shall be protected by vertical enclosures extending above and below such openings, the wall of such enclosures having a fire resistance of not less than 2 hrs and all openings there in being protected with a fire resisting assembly Strictly Complying with IS:3614 Part-I 1966 and Clause 3.4.5 of NBC 2016, Part 4. Fire doors should be provided in each floor.
11. Illumination of means of Exit in Staircases and Corridors shall be provided with DG Set Electrical Power as per Clause 3.4.7 of Part 4 of NBC of India 2016.
12. Smoke Venting facilities for safe use of exits shall be provided as per clause 3.4.8, 4.4.2.5 & 4.6 Part -IV of NBC 2016. Emergency Power Supply shall be provided for smoke venting equipment with DG Supply.

13. All Fire Safety Systems shall be provided as per the provisions of Part -4 of NBC of India 2016
14. Fire doors with 2 hrs Fire Resistance shall be provided at appropriate places along the escape route and particularly at the entrance to the lift lobby, corridors and staircases.
15. Ventilation of Staircases shall comply with Clause 4.4.2.5, 4.6 of Part 4 of NBC 2016.
16. No Hazardous materials such as Petroleum products, explosives, chemicals etc should be stored on any floor of the building.
17. As per clause 3.4.3.2 of Part 4 of NBC, a high rise building during construction shall be provided with the following:
 - a. Drums filled with 2000 ltrs capacity of water and 2 fire buckets on each floor.
 - b. A water storage tank of 20,000 ltrs capacity which may be used for other construction purposes.
18. **Clause 2.24 Fire fighting Shaft (Fire Tower)** An enclosed shaft having protected area of 120 min fire resistance rating comprising protected lobby, staircase and fireman's lift, connected directly to exit discharge or through exit passageway with 120 min fire resistant wall at the level of exit discharge to exit discharge. These shall also serve the purpose of exit requirement.

The builder is hereby advised to follow the conditions mentioned below while applying for Occupancy NOC :

1. Clause 4.10, NBC-PART-IV-2016

A qualified Fire Officer with experience of not less than 3 years shall be appointed who will be available on the premises, for large educational complexes, business buildings with height 30 m and above, residential building with height 60 m and above, institutional buildings of 15 m and above, starred hotels and D-6 occupancy.

2. Clause 6.1.2, NBC-PART-IV-2016: Additional Precautions

- a) Flammable liquids for household purposes shall be kept in tightly stopper or sealed containers. For the limits of quantities of flammable liquids to be allowed in various occupancies, reference may be made to appropriate regulations.
- b) No stove or combustion heater shall be located directly under or immediately at the foot of stair or otherwise so located as to block escape in case of malfunctioning of the stove or heater.
- c) All kitchen exhaust fans, where provided shall be fixed to an outside wall or to a duct of non-combustible material, which leads directly to the outside. The ducts shall not pass through areas having combustible materials. However, in case of centralized ducting, the duct shall be provided with adequate protection to limit the spread of fire.
- d) Stores, engineering workshops, areas of high hazard etc used for storage of substantial amount of flammable liquids be of 120 min fire resistance rating wall. Such areas shall be provided with fire doors, to be kept closed and shall be posted with a sign on each side of the door in 25 mm high block letters stating Fire Doors _ Keep Closed.

3. ANNEX-D, part-IV, NBC-2016

i. D-3 DRILLS

- D-3.1 Fire drills shall be conducted, in accordance with the fire safety plan, at least once every three months for building during the first two years. thereafter, fire drills shall be conducted at least once every six months.
- D-3.2 All occupants of the building shall participate in the fire drill. However, occupants of the building, other than building service employees are not required to leave the floor or use the exits during the drill.
- D-3.3 A written record of such drill shall be kept on the premises for a three years period and shall be readily available for fire brigade inspection.

ii. D-4 SIGNS AND PLANS

- D-4.1 Signs at lift Landings A sign shall be posted and maintained in a conspicuous place on every floor at or near lift landing in accordance with the requirements,

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indicating that in case of fire, occupants shall use the unless instructed otherwise. The sign shall contain a diagram showing the location of the stairways except that such diagram may be omitted, provide signs containing such diagram are posted in conspicuous places on the respective floor.

iii. D-5 FIRE SAFETY PLAN

- D-5.1 A Format for the fire safety plan shall be as given in D-9.10.
- D-5.2 The applicable parts of the approved fire safety plan shall be distributed to all tenants of the building by the building management when the fire safety plan has been approved by the fire Authority.
- D-5.3 The applicable parts of the approved fire safety plan shall be distributed by the tenants to all their employees and by the building management to all their building employees.
- D-5.4 In the event there are changes from conditions existing at the time the fire safety plan for the building was approved. and the changes are such so as to require amending the fire safety plan. within 30 days after such changes an amended fire safety plan shall be submitted to the fire brigade for approval.

iv. D-6 FIRE COMMANDS CENTRE

- A Fire Command Center shall be established in the building.

4. **Refuge area :** Refuge areas for apartment buildings of height above 60 m while having balconies shall be provided at 60 m and thereafter at every 30 m. The refuge area shall be an area equivalent to 0.3 m² per person for accommodating occupants of two consecutive floors, where occupant load shall be derived on basis of 12.5 m² of gross floor area and additionally 0.9 m² for accommodating wheel chair requirement or shall be 15 m², whichever is higher.

9. The following deficiencies are identified by the officers of the department and needs to be attended to by the management.

Nil

10. This Provisional No Objection Certificate is issued with the advice that the Multi Storeyed Building should not be occupied and the operations shall not be commenced without obtaining No Objection Certificate for Occupancy from this Department about the satisfactory installation of above fire safety measures.



5286/VSP/MSB/2018

Your Sincerely,

[Handwritten signature]
16/11/18

Director General
State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada

Copy to K.V.Rama Bhadra Kumar Raju, K.V.Rama Bhadra Kumar Raju, Sy.No.27/15, & 27/15A at Yendada Village, abutting at the GITAM College Road, Division No07, Zone-5, GVMC Limits, Visakhapatnam.

Copy to Chief Office for Record Purpose

Copy to Regional Fire Officer Concerned

Copy to District Fire Officer Concerned

Copy to Assistant District Fire Officer Concerned