

Grams "Water Sup" Bangalore



Tax DSD 2275217

Phone DSD 2275217
2275217

BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Cauvery Bhavan, K G Road, Bangalore-560009

No. BWSSB/CE(M)/ACE(M)-I/TA-9/

4755
/2002-03

Dated: 18-10-2002

To,

Sri K.B. Lakshman,
Kumara Nursery,
New bank colony, Konana Kunte,
Bangalore-2

Sir,

Sub. Issue of No Objection Certificate for establishing
a residential layout of 36 acres in Sy. No. 169/4 and
170 of Kothnur village and Sy. No. 4, 5, 6, 7, 8, 9, 38,
39/1 and 39/2 of Raghuvanpalya village, Uttarahalli
Hobli, Bangalore South Taluk.

Ref: 1) Your letter dated 30-09-02.
2) No BWSSB/CE(M)/PB-1/3376/02-03 dt. 16-10-02.

Please find herein enclosed a copy of plan endorsed for 'No objection' from
BWSSB for providing water supply and underground facilities subject to the following
conditions.

- 1) The applicant has to pay the cost of water supply and UGD line estimates prepared
by BWSSB at the rates prevailing at the time of execution. The work of providing
and laying water supply and UGD lines will be carried out by the Board.
- 2) The applicant should make his own arrangements to treat the sewage coming from
the layout to the prescribed standards laid by BWSSB, if there are no sewer
submain.
- 3) The applicant should spare the land if required for construction of GLR, OHT,
sump tank, pump house service station etc. to BWSSB "free of cost".

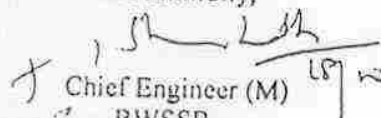
- 4) The individual consumers has to pay the necessary prorata charges for individual connections as applicable at the time of taking the connections.
- 5) The individual consumers should not provide sanitary points in the basement/celler floors of their buildings.
- 6) The water supply to the above layout will be given subject to the availability of water.
- 7) The applicant should abide by the rules and regulations of the BWSSB from time to time.
- 8) BWSSB reserves the right to sanction or reject the water supply and sanitary facilities without assigning any reasons.

The party has paid an amount of Rs. 75,000/- towards N.O.C charges vide receipt No. 31244 Dated 18-10-02

O.C.

Copy to EE(S) & AEE(S)3-I for information

Yours faithfully,


Chief Engineer (M)
BWSSB
18/10/2002



ದೂರವಾರ್ತೆ : ೫೫೦೦೭೭೭
೨೯೦೦೫೦೦
ಫ್ಯಾಕ್ಸ್ : ೨೯೦೦೫೦೦

ಭೃಗಿರೇಖ್ ಮಹಾ ನಿರ್ದೇಶಕರ ಹಾಗೂ
ಮಹಾನಿರ್ಮಾಪಕರು
ಗೃಹರಕ್ಷಣೆ ಸಹ ಮತ್ತು ನಿರ್ದೇಶಕರು
ಪೌರ ರಕ್ಷಣಾ ಮತ್ತು ಅಭಿವಾಸ ಸಚಿವರ ಕಛೇರಿ
೧. ಅಸ್ವತ್ಥಾನಿ ಮೊದಲಿಯಾರ್ ರಸ್ತೆ
ಬೆಂಗಳೂರು - ೫೬೦ ೦೨೦
07-08-2004

ಸಂಖ್ಯೆ:GBC(1)107/2004

To

The Commissioner,
Bangalore Development Authority,
T.Chowdiah Road,
Bangalore - 560 020.

Sir,

Sub: Issue of No Objection Certificate for the construction of high rise residential buildings in 4 blocks, 1 low rise club house and 1 low rise commercial block at Sy.No.4, 5, 6, 7, 8, 9, 39/2 of Raghavanapalya and Sy.No.169/4 & 170 of Kothanur Village, Uttarahalli Hobli, Bangalore South Taluk- Issue of corrigendum - reg.

- Ref: 1) This office conditional NOC No.GBC(1)107/2004 dated 03-07-2004.
2) Letter dated 06-07-2004 of Sri Ashwini Pai, GPA Holder, No.14, Cunningham Road, Bangalore.

In the above cited reference (1) conditional No Objection Certificate was issued to Sri.Ashwini Pai, G.P.A.Holder to construct high rise residential buildings in 4 blocks with club house and a commercial block. In Sl.No. A.6 of the NOC the height of the buildings are indicated as below:-

Block - A	-	45.95 mtrs.
Block - B	-	45.95 mtrs.
Block - C	-	45.95 mtrs.
Block - D	-	50.00 mtrs.
Club house	-	12.50 mtrs.
Commercial block	-	15.00 mtrs.

Now the builder, in his letter dated 06-07-2004, has informed the department about the actual height of the building as follows:-

Block - A	-	44.50 mtrs.
Block - B	-	44.50 mtrs.
Block - C	-	44.50 mtrs.
Block - D	-	44.50 mtrs.
Club house	-	12.50 mtrs.
Commercial block	-	15.00 mtrs.

Further on the basis of the reduction in the height he has requested the department to amend D. 5 of the NOC regarding the installation of sprinkler system. He has also indicated about the common basement for Block - C, D & Clubhouse and requested to amend A. 3 (Club house) of the NOC.

In this regard, since the height of each block (A, B, C & D) is with in 45.00 mtrs. i.e. 44.50 mtrs., the NOC issued on 03-07-2004 may please be modified as indicated below:-

Sl.No. of the NOC.	Details	As per the NOC issued on 03-07-2004.	Revised recommendations
A. 5	Number of floors in each block/ <u>buildings</u> Club house	Ground + 2 upper floors	Common basement, ground & 2 upper floors.
A. 6	Height of the <u>buildings</u> Block - A Block - B Block - C Block - D Club house Commercial block	45.95 mtrs. 45.95 mtrs. 45.95 mtrs. 45.95 mtrs. 12.50 mtrs. 15.00 mtrs.	44.50 mtrs. 44.50 mtrs. 44.50 mtrs. 44.50 mtrs. 12.50 mtrs. 15.00 mtrs.
D. 5	Automatic Sprinkler system.	Automatic sprinkler system shall be provided to cover all the floors from basement to last floor of Block-A, B, C, D & commercial block with one sprinkler head for every 6.96 sq.mtrs. area or on every room/bay. Separate water and pump for sprinklers for about 30 minutes shall be provided.	Automatic sprinkler systems shall be provided in the common basement parking area of Block A,B,C,D & club house with one sprinkler head for every 6.96 sq.mtrs. area on every room/bay. Separate water and pump for sprinklers every 6.96 sq.mtrs. for about 30 minutes shall be provided.

Except the above changes all other recommendations, that were communicated in the NOC issued on 03-07-2004, remain unaltered and have to be complied before approaching the department for final clearance.

Yours faithfully,



✓ Director General of Police
and Director,
Karnataka Fire & Emergency
Services.

Copy to :

- 1) Sri Ashwini Pal, GPA Holder, No.14, Cunningham Road, 6th Floor, H.M Geneva House, Bangalore - 560 051.
- 2) The Regional Fire Officer, Bangalore Range-II, Bangalore.

Nov. 4. Hedges

92

Office of Economic Growth & Public
Communities Council
Wages, Unemployment & Training
Child Welfare & Family Services
| Annuity Initiative Fund
Washington, D.C. 20541

g. prach

REG-11025004

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The Commissioner,
Bangalore Development Authority,
1, Chennappa Road,
Bangalore.

Terms of No Objection Certificate for the construction
of highway railroad buildings at 4-Block, Block
Clubhouse and 1 low rise commercial block at Section 5,
6, 7 & 9, T8N2 of Range 10N4 and R2E 10E4 S. 17W
of Kootenai County, Utah. All Rights Reserved.

Ref: 41 Letters dated 9-3-2004 & 25-2-2004 of Bt. Ashwin Vaj.
CPX Hddbr. No.14, Cunningham Road, Durgam.

This office letter No. OBCU 11077, dated 03-03-2003

With reference to the letter of the Assistant Dir, CDA, Hojai, cited above and the letter of the Regional Tax Officer, Dima Hasa Range-II of Imphal, dated 23/03/2014, the Commissioner of Income Tax, Guwahati, D.D. of 27/03/2014, has been sent to the Regional Tax Officer, Dima Hasa Range-II, Imphal, South India, with reference to the drawings submitted by the assessee and request for details.

Conclusions of the project

Abstract

Sy No 4, 5, 6, 7, 8, 9, 200 of
Rajmangalka and Sy No 169 of
170 of Keshavnagar Village,
Karnataka District,
Mangalore Taluk.

2. Number of blocks/development

Block A with 7 wings	A-1, A-2, A-3, A-4, A-5, A-6 & A-7
Block B with 3 wings	B-1, B-2 & B-3
Block C with 4 wings	C-1, C-2, C-3 & C-4
Club House	
Commercial Block	

3. Number of floors in each block/
Building

Block - A	Common basement, ground and 14 upper floors
Block - B	Common basement, ground and 14 upper floors
Block - C	Common basement, ground and 14 upper floors
Block - D	Common basement, ground and 14 upper floors
Club House	Ground + 2 floors
Commercial Block	Ground + 3 floors

4. Type of occupancy

4 blocks for residential, club house and commercial block.

5. Floor area details of the development

Block A & B to be a common basement.

For parking, 1319 sq. ft. Covered roofed
drill, gymnasium, 10 lifts, for pump
rooms for water storage tank and other
structure.

Block - A1

Ground floor

2 residential lifts.

1st floor to 12th floor

5 lifts on each floor & 12 floors = 60 lifts.

13th & 14th floor

2 lifts on each floor & 2 floors = 012 lifts.



Block - A2

Ground floor	-	5 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	7 flats on each floor x 2 floors = 014 flats

Block - A3

Ground floor	-	9 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	7 flats on each floor x 2 floors = 014 flats

Block - A4

Ground floor	-	9 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	7 flats on each floor x 2 floors = 014 flats

Block - A5

Ground floor	-	9 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	7 flats on each floor x 2 floors = 014 flats

Block - A6

Ground floor	-	9 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	7 flats on each floor x 2 floors = 014 flats

Block - A7

Ground floor	-	9 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	7 flats on each floor x 2 floors = 014 flats.

Block - B1

Ground floor

1st floor to 12th floor

13th & 14th floor

Block - B2

Ground floor

1st floor to 12th floor

13th & 14th floor

Block - B3

Ground floor

1st floor to 12th floor

13th & 14th floor

Block - C, D and Club houses
have a common basement

Block - C1

Ground floor

1st floor to 12th floor

13th & 14th floor

Block - C2

Ground floor

1st floor to 12th floor

13th & 14th floor

Block - C3

Ground floor

1st floor to 12th floor

13th & 14th floor

9 residential flats

9 flats on each floor x 12 floors = 108 flats

7 flats on each floor x 2 floors = 014 flats

9 residential flats

9 flats on each floor x 12 floors = 108 flats

7 flats on each floor x 2 floors = 014 flats

9 residential flats

9 flats on each floor x 12 floors = 108 flats

7 flats on each floor x 2 floors = 014 flats

For parking, 634 cars, electrical rooms,
diesel generators, lift boys, fire pump
room, fire water storage and other
amenities

9 residential flats

9 flats on each floor x 12 floors = 108 flats

9 flats on each floor x 2 floors = 018 flats

9 residential flats

9 flats on each floor x 12 floors = 108 flats

9 flats on each floor x 2 floors = 018 flats

9 residential flats

9 flats on each floor x 12 floors = 108 flats

9 flats on each floor x 2 floors = 018 flats

Block - C1

Ground floor	-	9 residential flats.
1 st floor to 12 th floor	-	9 flats on each floor x 12 floors = 108 flats.
13 th & 14 th floor	-	9 flats on each floor x 2 floors = 018 flats.

Block - D

Ground floor	-	9 residential flats.
1 st floor to 14 th floor	-	4 flats on each floor x 14 floors = 056 flats.

Club house

Ground floor	-	Hall and rooms.
1 st floor	-	Hall and rooms.
2 nd floor	-	Hall and rooms.

Commercial block

Ground floor	-	For parking 66 cars at surface level and 2 Nos. of shopping mall.
1 st floor	-	Bowling alley, video games, lobby, food court, terrace garden etc.
2 nd floor	-	Multiplex.
3 rd floor	-	Projector room.

6. Height of the building.

Block - A	-	45.95 mts.
Block - B	-	45.95 mts.
Block - C	-	47.20 mts.
Block - D	-	50.00 mts.
Club house	-	12.50 mts.
Commercial block	-	15.00 mts.

7. Site Area

-	98,983 sq.mts.
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1. Built-up area of each floor:

Sl.No.	Particulars	Floors	Total Sq.mts.
BLOCK-A			
1	Ground floor	1	6107.18
2	First floor	1	5988.73
3	Typical floor (2 nd to 12 th)	11	69106.69
4	13 th floor	1	5549.18
5	14 th floor	1	5563.12
BLOCK-B			
1	Ground floor	1	2657.50
2	First floor	1	2391.03
3	Typical floor (2 nd to 12 th)	11	28258.89
4	13 th floor	1	2269.20
5	14 th floor	1	2189.46
BLOCK-C			
1	Ground floor	1	3484.49
2	First floor	1	3408.07
3	Typical floor (2 nd to 12 th)	11	38898.09
4	13 th floor	1	3391.46
5	14 th floor	1	3391.46
BLOCK-D			
1	Ground floor	1	444.32
2	First floor	1	406.88
3	Typical floor (2 nd to 12 th)	11	5668.32
4	13 th floor	1	389.83
5	14 th floor	1	389.83

COMMERCIAL			
1	Ground floor	1	1351.50
2	First floor	1	2810.25
3	Second floor	1	2877.50
4	Third floor	1	747.80
5	Terrace floor	1	198.25
CLUB HOUSE			
1	Ground floor	1	1162.30
2	First floor	1	1438.25
3	Second floor	1	1356.75
BASEMENT A + B			29204.05
BASEMENT C+D+CLUB HOUSE			17797.69
TOTAL BUILTUP AREA			249165.27

9. Total built-up area

2,49,165.27 sq.mts.

10. Surroundings of the premises:

East

Nursery plantation, Broken heavens and private property

West

BDA layout

North

J.P. Nagar 8th and 9th phases.

South

BDA layout and private property.

3. The plan shows the following structural details indicating the fire prevention, fire fighting and evacuation measures. These measures are considered adequate:-

Details (1)	Existing (2)
1. Width of the road to which the building abuts and whether it is hard surfaced to carry weight of 22,000 kgs.	The builder has proposed a road measuring 24.4 mts., which runs in the centre with Building - A, Building-B and commercial block lying towards northern side & Building-C, Building-D and club house lying towards southern side. This road is yet to be asphalted. Towards eastern and northern sides, roads measuring 14.00 mts abut the proposed premises. These roads are hard surfaced.
2. Number of entrances and width of each.	Building-A, Building-B are designed with two entry/exit points, each measuring 23.4 mts. in width. The commercial block is provided with a separate entry/exit point of 18.20 mts. Building-C, Building-D and club house are designed with three entrances/exits. One entry is 23.4 mts. wide and the remaining two entries are of 12.00 mts. width each.
3. Height clearance over the entrances.	No arch or any other constructions have been proposed over the entrances.
4. Width of open space (Setbacks):-	
Building-A	
Front (South)	25 mts.
Rear (North)	14.00 mts.
Side (East)	14.00 mts.
Side (West)	14.00 mts.

(1)	(2)
<u>Building-B</u>	
Front (South)	14.00 mts.
Rear (North)	14.00 mts.
Side (East)	14.00 mts.
Side (West)	14.00 mts.
<u>Building-C</u>	
Front (South)	14.00 mts.
Rear (North)	14.00 mts.
Side (East)	14.00 mts.
Side (West)	14.00 mts.
<u>Building-D</u>	
Front (West)	14.00 mts.
Rear (East)	14.00 mts.
Side (North)	14.00 mts.
Side (South)	14.00 mts.
<u>Commercial</u>	
Front (North)	11.00 mts.
Rear (South)	12.40 mts.
Side (East)	11.60 mts.
Side (West)	25.00 mts.
<u>Cab Houses</u>	
Front (North)	3.7 mts.
Rear (South)	3.4 mts.
Side (East)	4.00 mts.
Side (West)	17.00 mts.

(1)	(2)
5. Arrangement for parking cars	Provision has been made to park 743 cars at the basement parking area of Block A & B, 429 cars at the basement parking area of Block C, D & club house and 180 cars on the setbacks all around the buildings after allowing 5.00 mts from building line.
6. Number of staircases	Proposed provide 2 ramps, one on the north-eastern side and another on the north-western side of Block A & B and 2 ramps on the south-eastern side of Block C, D & club house to reach each basement parking area. The ramps are one remote to the other.
7. Location of the staircases	One main staircase and one fire escape staircase in each block (total 25 + 5 in commercial block and 2 in club house).
8. Staircase size:	All the staircases have been designed to shut out of its sides to the external wall and are terminated at ground floor level and separate staircases have been provided to reach the basement area from ground floor.
(a) Width of the staircases	Block A1 to A7, B1 to B3, C1 to C4 and D - each of 1.2 mts. Commercial block and club house - each of 2.00 mts.
(b) Width of treads	25 cms in residential and 30 cms in commercial and club house.
(c) Height of nos	17 cms in residential and 15 cms in commercial and club house.
(d) Number of nos in a flight	9 per flight.

(1)	(2)
(a) Height of hand rail	1 metre. As proposed the hand rail should be provided at a height of 100 cms. The gap between two verticals should not exceed 13 cms.
(f) Head room clearance	2.4 mtr.
9. Travel distance from the furthest point and from the dead-end of the corridor to the staircase.	Maximum 22.00 mtr. from the furthest point and maximum 11.00 mtr. from dead-end of the corridor to the staircases in all the buildings.
10. Number of lifts and capacity	2 lifts in each wing of residential buildings, one of 8 passengers capacity and one of 13 passengers capacity (total 30 nos.). Further 4 in commercial block and 1 in club house, each of 10 passengers capacity.

C. While constructing the building the following fire safety measures should be incorporated:-

Details (1)	Existing (2)	Recommendation (3)
1. Condition of the open space	-	Out of allowed setbacks, setbacks up to 6.00 mtr. all around each building line should be with a RCC slab of 10 mm. thickness to carry the load of 25,000 kgs, being the maximum weight of a fire tank. This driveway, all around the building, should always be kept free and clear. The level setbacks shall be at even level with out any structure and projection upto a height of 4.5 metres. These setbacks shall be always kept free from any construction or cultivation like garden, landscaping etc.

(1)	(2)	(3)
2. Structural materials	--	Non-combustible materials and brick walls of not less than two hours fire resistance should be used for the construction of structures. Only fire resistant materials or materials treated with fire retardant chemicals, should be used for interior decoration work. While attending the interior decoration the fixed fire fighting systems like sprinklers, hoses etc., should not be covered or shifted from their original location.
3. Design of the staircase	Not indicated	All the staircases should be constructed with non-combustible materials and should be completely enclosed at each landing to prevent travel of smoke & fire from lower floors to upper floors. Enclosures to staircases should be provided with self-closing smoke-stop swing doors, fitted with door closing devices at the exit to the lobby. These doors should have at least half-an-hour fire resistance capacity. The staircase area should be without glazing or glass brick walls to avoid reflection. Any area of dwelling or storage should not open directly to the staircase.
4. Specification of lift	Not indicated.	The brick walls, enclosing the lift shafts, should be of 90 mm. thickness and have a fire resistance of not less than two hours. Shaft should have permanent vent of not less than 0.2 sq.m. clear area, immediately under the machine room. Lift motor rooms should be preferably located at the top of the shaft and separated by the enclosing wall of shaft or by the floor of the machine room. Landing doors of lift enclosures should open into a ventilated lobby, having one hour fire resistance. Lift car doors should be of metal, automatic and should have fire resistance capacity of one hour. Exit

(1)

(2)

(3)

from the lift lobby should be through a self-closing smoke stop door of 15 mm thickness, having one hour fire resistance capacity. This is to prevent the travel of smoke and fire from lower floors to upper floors. The lift machine rooms should be separate and no other machinery should be installed therein. Each lift should be connected to an alternative source of power (generator). Grounding switches, at the ground floor level, to enable the fire service personnel to ground all the lift cars and use them as "FIRE LIFT" in an emergency should be provided. All the lifts, extended to the basement, shall be terminated at ground floor level or the lift lobby at basement level shall be enclosed & pressurized with positive pressure.

5. Service ducts/shafts:

Service ducts should be enclosed by walls of 100 mm thickness to have at least two hours fire resistance capacity. A vent, opening at the top of the service shafts, should be provided between one fourth and one-half of the area of the shafts. The electrical distribution cables and wiring should be laid in a separate duct. All ducts should be sealed at every alternate floors with non-combustible metal doors having at least two hours fire resistance capacity.

Water main, telephone lines, intercom lines or any other services lines should not be laid in the duct, meant for electric cables.

The inspection panel doors and any other opening to the shafts should be provided with sight doors of at least two hours fire resistance capacity.

(1)	(2)	(3)
6. Escape route.	Not indicated.	Directions in which the inmates should have to move in the event of any emergency have to be indicated in the corridors on each floor to guide during evacuation. It should be written in luminous paint.

D. The builder should arrange for the following fire fighting and evacuation measures:-

Details (1)	Existing (2)	Recommendation (3)
1. Electric power supply.		Circuits for water pumps, lifts, staircase lighting and corridor lighting in the building should be by separate line and independently connected so that they can be operated by one switch, installed at the ground floor. Double throw switch should be installed in the service room for terminating the standby supply.

As proposed standby generators of following capacities shall be installed at basement level to supply alternative power for staircase lighting, corridor lighting, fire fighting systems and lifts, etc., in the event of failure of electric supply in the building.

A1	-	250 KVA
A2 to A7	-	Each of 160 KVA
B1	-	250 KVA
B2 & B3	-	Each 160 KVA
C1	-	250 KVA
C2 & C4	-	Each of 160 KVA
D	-	160 KVA
Commercial	-	750 KVA
Club House	-	380 KVA

(1)	(2)	(3)
2. Wet riser-cum-down corner.	Proposed to provide one wet riser-cum-down corner system near each main staircase of each wing (total 20).	As proposed one wet riser-cum-down corner shall be provided near each main staircase (total 20). Each riser should be 150mm internal diameter and of 2.1" C/I diam pipe. From each riser double hydrant outlets should be provided at each landing. Hose reel hose of minimum 12 mm size and of adequate length to reach the furthest point of the each floor, should be provided with a shut off branch having a nozzle of 5 mm size. The hose reel hose should be connected at each landing by means of an adapter. Minimum 2 external hydrants at a suitable location (adjacent to the compound wall) with adequate space between them should also be provided from the system. Adequate H.F.S. marked reinforced rubber lined delivery hose of 65 mm size to reach the furthest point of the footoverbays from the system should be provided with a branch pipe (of galv metal) near each hydrant outlet (both internal and external) in a proper box to protect it from withering. At least two fire service inlets to boost the water in the riser directly from the mobile pump should also be provided. These inlets should be located at an easily accessible position, preferably near the entry point to the premises. Each wet riser system of residential blocks A, B, C & D should be connected to an overhead tank of 40,000 litres capacity and an underground tank of 2,00,000 litres capacity. Similarly one wet riser cum-down corner system of commercial block and club house shall be connected to an overhead tank of 10,000 litres capacity and an underground tank of 1,00,000 litres capacity. A diesel driven pump and an

(1)	(2)	(3)
		electrically driven pump, each capable of delivering 2850 litres of water per minute at 0.3N/mm ² pressure and also a jockey pump of capacity 180 litres per minute shall be installed over each underground tank. Similarly one electrically driven pump, capable of delivering 900 litres of water per minute at 0.3N/mm ² shall be installed near each overhead tank. The impeller of the pumps should be of bronze.
3. Manually operated fire alarm system.	Proposed to provide manually operated electrical fire alarm system with call boxes near each staircase landing.	Manually operated electrical fire alarm system should be installed with call boxes located near each staircase landing of the building. The call boxes should be of 'break glass' type, where the call is transmitted automatically to the control room when the glass of the system is broken. This system should also be connected to an alternative source of power supply (diesel generator). The call boxes should be so installed that their location can be easily noticed from either direction and should be at a height of one meter from the floor level.
4. Automatic detection system.	Proposed to provide automatic fire and smoke detection system, as indicated below:-	All the detectors shall be installed as per the requirement with its console at ground floor level of each block.

Block	Heat detectors	Smoke detectors
A	420	2800
B	180	1200
C	240	1600
D	120	520

(1)

(2)

(3)

Block	Heat Detectors	Smoke Detectors
Club House	1	41
Commercial Block	--	94

5. Automatic
sprinkler
system.

Not indicated
clearly.

Automatic sprinkler system shall be provided to cover all the floors from basement to last floor of Block A, B, C, D and commercial block with one sprinkler head for every 6.56 sq.m. area or on every roombay. Separate water and pump for sprinkler system to run 10% of sprinklers for about 30 minutes shall be provided.

6. Public address
system.

Proposed to
provide public
address system
with 2 way
communication
facility.

As proposed public address system with two way communication facility should be provided at each floor near each staircase landing of each building with its console at control room, located on the ground floor of each building.

7. Portable
fire extinguishers.

Not proposed.

a) One dry chemical powder extinguisher of 10 kgs. capacity and 2 fire buckets filled with clean, dry, fine sand should be provided for every 8 cars in the parking area.

b) One CO₂ extinguisher of 2 kgs. capacity should be provided near the entrance to each main switch board room & inside each kitchen of flats and club house.

(1)	(2)	(3)
		c) One dry chemical powder extinguisher of 5 kgs. capacity should be provided near Transformer, if installed.
		d) One dry chemical extinguisher of 10 kgs. capacity should be provided near the entrance to each generator room.
		e) One Co2 extinguisher of 2 kgs. capacity should be provided inside each lift room and projector room of multiplex.
		f) One water type gas cartridge extinguisher of 9 litres capacity should be kept near staircase landing on every floor and near each exit of multiplex and inside each room of commercial block.
		g) All the extinguishers suggested above should be with B.I. 3 mark and should be located at an easily accessible position without obstructing the normal passage.

E. Fire safety plan

A Fire safety plan for preventing and extinguishing any fire accident in each building and action to be taken by the occupants in case of fire should be prepared in advance and get approved by the Director, Karnataka Fire & Emergency Services. The fire safety plan, so approved, should contain the telephone numbers of nearest Fire Control (i.e., 101, 22971500, 22971550 and 22971600). The plan should be distributed to all the occupants and employees in the building and should be displayed on every floor.

(1)	(2)	(3)
		A Fire Command Station should be established in the lobby of the building on the entrance floor and such command station should be adequately illuminated. The main control of the public address system and fire alarm system should be at Fire Command Station.
		A Fire Safety Director should be nominated for the building. He should conduct fire and evacuation drills periodically. He should nominate a Fire Warden for each floor and ensure that no individual of the building does anything which causes or stimulates a fire accident and in case of lapses in respect of fire prevention measures, he should take action as deemed fit to ensure the safety from fire point of view. If the action is beyond his capacity he should inform the Fire Services department.
9. Fire Officer.	—	A qualified Fire Officer with experience of not less than 3 years should be appointed as a caretaker for the entire premises. He should be entrusted with the responsibility of maintaining the systems suggested above, to layout fire orders and fire operational plans and to liaise with local Fire & Emergency Services. The Fire Officer should be appointed before approaching the department for final clearance and should be present at the site at the time of final inspection for issuing clearance certificate.
10. Training.	Not indicated.	40% of the occupants/employees should be got trained in fire prevention & fire fighting at R.A.Mundkur Fire & Emergency Services Academy, Dattamangal Road, Bangalore - 160 029, within 6 months from the date of occupation of the building.

E. General

- 1) Before approaching the department for final clearance certificate, the applicant should give an undertaking in the form of an affidavit regarding the maintenance of the fire prevention and fire fighting measures suggested above and arranging training of 40% of the occupants in fire prevention and fire fighting within 6 months from the date of issue of clearance certificate.
- 2) Hazardous materials such as petroleum products, explosives, chemicals etc. should not be stored on any floor of the building.
- 3) Refuse dumps or storage should not be permitted in the floors.
- 4) Liquefied petroleum gas should not be stored in the building except limited quantity required for each kitchen.
- 5) Separate NOC, as per Gas Cylinder Rules, shall be taken for the proposed gas bank. The gas bank should not be on the minimum required setbacks.
- 6) Plan & occupancy should not be changed without informing Fire & Emergency Services and without taking clearance.
- 7) The occupancy certificate should not be issued without obtaining the clearance certificate from the Fire service department as per section 5.6.1 of the Building Bye Laws 2003 of the Corporation of the City of Bangalore.
- 8) Such reasonable changes/modifications as may be found necessary after the building is fully constructed will have to be agreed to done by the builder/occupants of the building.
- 9) All the metal fittings of wet riser system and all the extinguishers suggested above should have B.I.S markings.

Subject to the strict adherence to the conditions laid down as above, issue of licence for the construction of a high rise residential and commercial buildings at Sy.No.4, 5, 6, 7, 8, 9, 39/2 of Raghavanapalya and Sy.No.169/4 & 170 of Kothur Village, Uttarahalli Hobli, Bangalore South Taluk may please be considered.

Yours faithfully,




Director General of Police
and Director,
Karnataka Fire & Emergency
Services.

Copy to :

- 1) Sri. Ashwini Pm, GPA Holder, No.14, Cunningham Road, 6th Floor, H.M Geneva House, Bangalore - 560 051.
- 2) The Regional Fire Officer, Bangalore Range-II, Bangalore.

ಗ್ರಾಮ / Grams : "ಜಲರಕ್ಷ" "Jalaraksha"
ಫ್ಯಾಕ್ಸ್ / Fax : 080-25586321
ಈಮೇಲ್ / E-mail : kspcb@kar.nic.in



25581383, 25589112
25588151, 25588270
25588142, 25586520
ವೆಬ್ ಸೈಟ್ / Website : http://kspcb.kar.nic.in

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ".
4 ಮತ್ತು 5ನೇ ಅಂತಸ್ತು, ಸಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್,
ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ

"Parisara Bhavan"
4th & 5th Floor, # 49, Church Street,
Bangalore - 560 001, Karnataka, INDIA

HM World City
NO.CFB/ELA-447/2006-2007

DATED:

/ BY REGD. POST WITH ACK. DUB/

28 OCT 2006

TO:

The Occupier,
M/s. H.M. World City,
No.14, H.M. Geneva House,
Cunningham Road,
Bangalore - 560052.

Sir,

Sub: Consent for establishment to construct Residential Apartment with 1910 Flats having built up area of 2,25,115.79 Sq.mtrs. in the name of "H.M. World City" at Sy. No. 4/1P, 5P, 6, 7, 8, 9/P, of Raghavanapalya, Sy. No.169/4 and 170 Kothanur Village, Uttarahalli Hobli, Bangalore South Taluk by M/s. Global Associates.

- Ref:
1. Your CFE application received at R.O. Bangalore West on 09.01.2006.
 2. Inspection of your proposed Apartment site by Deputy Environmental Officer, KSPCB, Regional Office, Bangalore (West) on 21.01.2006.
 3. Proceedings of the environmental public hearing held on 05.04.2006.
 4. Proceedings of Consent Committee Meeting held on 19.10.2006.
 5. Your letter dated 18.10.2006.

ಸಾರಾಂಶ

With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974 and the Air (Prevention & Control of Pollution) Act 1981, for establishment to construct Residential Apartment with 1910 Flats in the name of "H.M. World City" at Sy.No. 4/1P, 5P, 6, 7, 8, 9/P, of Raghavanapalya, Sy. No.169/4 and 170 Kothanur Village, Uttarahalli Hobli, Bangalore South Taluk by M/s. Global Associates, subject to the following conditions.

1. The applicant shall obtain Environmental clearance from the competent authority i.e. State/Central Government as per EIA Notification issued under Environment (Protection) Act, 1986.
2. No construction work, preliminary or otherwise, relating to the construction of Residential Apartment shall be undertaken till the environmental clearance is obtained from the competent authority.
3. The applicant shall use only tertiary treated water (treated sewage) for all non-potable purposes viz., construction of complex, gardening, washings etc.

1. WATER CONSUMPTION:

1. The source of water shall be BWSSB and the total water consumption for the above activity shall not exceed 1671 KLD.

II. WATER POLLUTION CONTROL:

1. The quantity of sewage shall not exceed 1064 KLD and shall be treated in the sewage treatment plant (STP) of capacity 1064 KLD with the treatment scheme as submitted in the REIA report to meet the standards i.e. BOD₅ - 20 mg/l and Suspended Solids - 30 mg/l before applying for on land gardening within the Residential Apartment premises and also for toilet flushing. The excess treated sewage shall be discharged into UGD provided by competent authority.
2. If the treatment plant do not achieve the effluent standards stipulated under conditions (1) above or if it is found to be inadequate, then the applicant shall have to modify the units so as to meet the standards with prior consent of the Board.
3. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by Competent Agency or Committee.

AVOID USE OF PLASTICS - BE 'ECO' FRIENDLY

"ಪ್ಲಾಸ್ಟಿಕ್ ಬಳಕೆ ನಿಲ್ಲಿಸಿ. ಪರಿಸರ ಹಾನಿ ತಪ್ಪಿಸಿ."

ANNEXURE - I

Chim. No.	Chimney attached to	Minimum chimney height to be provided above ground level	Rate of emission NM ³ /day	Constituents to be controlled in the emission	Tolerance limits mg/NM ³	Air pollution Control equipment to be installed in addition to chimney height as per Col. (3)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.	Remarks
1	2	3	4	5	6	7	8	9
1	DG Set - 125 KVA- 12 Nos.	5 Meters ARL (Individual).	-	SO ₂	-	Chimney height as per Col. (3) with proper acoustics enclosures.	Before commissioning.	
2	DG Set - 320 KVA- 4 Nos.	6 Meters ARL (Individual).	-	SO ₂	-	Chimney height as per Col. (3) with proper acoustics enclosures.	Before commissioning.	
3	DG Set - 160 KVA- 1 No.	5 Meters ARL (Individual).	-	SO ₂	-	Chimney height as per Col. (3) with proper acoustics enclosures.	Before commissioning.	
4	DG Set - 380 KVA- 1 No.	6 Meters ARL (Individual).	-	SO ₂	-	Chimney height as per Col. (3) with proper acoustics enclosures.	Before commissioning.	

Note:

The noise levels shall not exceed 55 dB(A) leq. and 45 dB(A) leq. during day time and night time respectively.

f. Iluro-hi-j-hw
MEMBER SECRETARY.

9. This consent for establishment is valid for 5 years from the date of issue.

10. This CFE does not give any right to the Party/Project Authority/Industry to forego any legal requirement, which is necessary for setting/operation of the plant.

Please note that this is only consent for establishment for construction of Residential Apartment issued to you to proceed with the formalities to obtain Environmental Clearance from the Competent Authority.

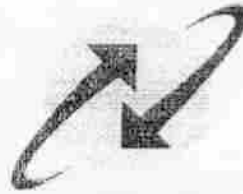
Separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance to completion of construction work of Residential Apartment. Issue of consent will be considered only after completion of sewage treatment plant and installing air pollution control measures as stipulated.

The receipt of this letter may please be acknowledged.

FOR AND ON BEHALF OF
KARNATAKA STATE POLLUTION CONTROL BOARD
BANGALORE - 560 001.

J. N. Srinivasiah
MEMBER SECRETARY

Encl.: Annexure-I.



BHARAT SANCHAR NIGAM LTD.

(Government of India Enterprises)

Office of the Divisional Engineer Telecom., Microwave Survey Division,
11th Floor, 'Sanchar Complex', WMS Compound,
9th Main, 47th Cross, 5th Block, Jayanagar, Bangalore-41

To :

The Commissioner,
Mahanagara Palike,
Bangalore

No:DE/MWS/BG/S-11/X/18 dated @ Bangalore-41 the 13/05/2004

Sir,

SUB: N.O.C. for construction of Residential Building at Sy.No. 4,5,6,7,8,9, & 39/2, of Raghavapalaya & Sy.No. 169/A & 170 of Kothanur Village, by P.Ashwini Pai, Kothanur Village, Bangalore.

This unit has NO OBJECTION for the construction of Residential Building at Sy.No. 4,5,6,7,8,9, & 39/2, of Raghavapalaya & Sy.No. 169/A & 170 of Kothanur Village, Uttarahalli Hobli, Bangalore South Taluk, Bangalore, with basement + ground floor + 14 upper floors + Lift room + Water Tank to a total height of 53.398M from ground level by P.Ashwini Pai, Kothanur Village, Bangalore

The proposed construction of building of will not cause any physical obstruction to 6GHz, 7GHz, 11GHz and 13GHz Microwave Schemes working/planned by this office as on date. Clearance may also be obtained from DE, Survey, Karnataka Telecom. Circle, FKCCI Building, K.G.Road, Bangalore in respect of other Schemes.

Yours faithfully,

मंडल अभियंता दूरसंचार
Divisional Engineer Telecom

सूक्ष्मतरंग सर्वेक्षण विभाग एन.एन.एल.

महानगरपालिका, बंगलूर - 41

संचार संयंत्र, WMS Compound,
Sanchar Complex, WMS Compound,
5th Main, 47th Cross, 5th Block, Jayanagar,
बंगलूर / Bangalore - 560 041.

Copy to :

1. Secretary, BRAC, No.18, 80' Main road, Padmanabhanagar, Bangalore-41

2. DGM, Transmission Projects, Bangalore-20.

✓ 3. P.Ashwini Pai, Kothanur Village, Bangalore.



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly Owned Government of Karnataka Undertaking)

No. CEE/BMAZ/EE(D)/AEE-1/F-241/ 6353-56

Encl:

Office of the
Chief Engineer, Electy.,
B.M.A.Z., BESCOM,
K. R. Circle, Bangalore.
Date: 17/10/02

Smt. Jeena Bai, K. Kashinath Rao and others
GPA holder Sri K.B. Lakshman,
Konanakunte, Uttarahalli hobli,
Bangalore South Taluk

Sir,

Sub: Issue of NOC for the proposed layout at
Kothanur village and Raghuvana palya, Bangalore.

Ref: 1) Your letter dated 27.09.2002 addressed to AEE(E)
9-10 Sub-Division, B.M.A.Z.
2) Letter No. SEE/BC(S)/EE(O)/AEE-3/9646-47,
dated 17.10.2002.

With reference to the above, 'No Objection Certificate' from BESCOM side is hereby issued for your proposed layout at Sy. No. 169/4, 170 of Kothanur village and Sy. Nos. 4 to 9, 38, 39/1 and 39/2 of Raghuvana palya, Bangalore South Taluk, subject to the following conditions:

1. Power supply to your proposed layout will be arranged by running a 11KV feeder from the proposed 66.11KV Khoday's MUSS up to your layout.
2. You shall provide sufficient space for providing distribution transformers etc., in the above layout.
3. You have to meet the cost of developing infrastructure including the cost of 11KV line etc., on self execution basis through a class-I LEC by paying necessary supervision charges to BESCOM.
4. You have to shift the existing 11KV line and secondaries passing through the above layout at your cost.
5. While applying for power supply to the various buildings in the above layout, all rules as per KERC Electricity Supply and Distribution code shall be observed.
6. Power supply will be arranged to the various buildings that may come up in the above layout as per the provisions of regulations of BESCOM at that time.

7. This 'NOC' is issued only for the purpose of obtaining sanction for the layout plan from the BDA Competent authorities and it is not a commitment for power sanction from BESCOM. Power supply will be sanctioned when applied for, subject to feasibility at that time.
8. The approximate load requirement of the above layout is 1154 KWS.

A copy of drawing with scale is enclosed herewith.

Yours faithfully,


Chief Engineer, Electy., 
Bangalore Metropolitan Area Zone