

GOA STATE POLLUTION CONTROL BOARD

गोंय राज्य प्रदुशण नियंत्रण मंडळ

(An ISO 9001-2008 Certified Board)

Phone Nos : 91-832-2438567, 2438528
2438563, 2438550

Tel / Fax No. : 0832-2438528



Email id's :

Member Secretary, GSPCB - ms-gspcb.goa@nic.in
Environment Engineer, GSPCB - ee-gspcb.goa@nic.in
Scientist, GSPCB - scientist-gspcb.goa@nic.in
Asst. Env Engineer, GSPCB - aee-gspcb.goa@nic.in
Asst. Law Officer, GSPCB - alo-gspcb.goa@nic.in

Date: 13/09/2017

No. 5/5735 /17-PCB/C1-3195

Consent to Establish under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6(i) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.

[To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

Consent to Establish is hereby granted to:

M/s. UMIYA HOLDINGS PVT. LTD.
(Represented By: Venkat Mauppana)
(Red Category)

Plot no: 211/1-A,
Sancoale, Mormugao, Goa,

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M & T) Rules, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Establish is valid upto Commissioning of the unit or 3 years which ever is earlier.
2. This Consent to Establish is valid for the activity as mentioned below:

Sr. No	Description	Quantity
1	Sewage Treatment Plant for residential complex comprising of 554 Flats having a built up area of 84,403 sq.mts	330 KLD

3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

- (i) The daily quantity of effluent from the hotel & restaurant (sewage & sullage) shall not exceed 314.10K.L.D.. The unit shall provide separate black water stream and grey water stream. The waste water from black water stream to be treated in STP whereas the grey water stream to be provided with primary / secondary treatment and used for gardening & flushing.

(ii) Sewage Treatment (MBBR):

The unit shall provide comprehensive sewage treatment plant(330 KLD capacity) consisting of primary/ secondary and/ or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	100 mg/l
BOD, 3 days, 27° C	Not to exceed	30 mg/l
COD	Not to exceed	250 mg/l
Oil & Grease	Not to exceed	10mg/l

Other parameters should meet the standards specified in Schedule 1 (Rule 3) and Schedule VI [Rule 3(3A)] of the Environment (Protection) Act 1986 for the relevant Industry

(iii) The unit should carry out monitoring of the Sewage Treatment Plant treated water sample every month for proper functioning of the Sewage Treatment Plant.

(iv) Sewage Disposal:

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening & flushing. There shall not be any discharge outside the unit premises.

(v) A good house-keeping shall be maintained within the unit premises. All pipes, valves and drains shall be maintained in leak-proof condition.

(iv) **The unit should have zero discharge policy. The treatment water shall be used for Landscaping (90KLD), Flushing (160 KLD), Cleaning of Utility are (50 KLD), Car washing (15 Kld)**

(vii) Non-Hazardous Solid Waste:

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board by:

- Landfill, incase of inert materials, care should be taken to ensure that the material does not give rise to leachate which may percolate into ground water or carried away with storm run-off.
- Controlled incineration wherever possible in case of combustible organic matter.
- As per the Authorization issued by this Board in case of Hazardous waste.

(viii) **The complex should install/establish machinery/equipment/facility with a 500 kg/day capacityfor converting bio-degradable /organic waste generated from the unit to compost so as to meet the standard for compost prescribed in the Solid Waste (Management) Rules, 2016.**



(Levinson Martins)
Member Secretary

For Goa State Pollution Control Board

4. **CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:**

- (i) The unit may install the following equipments and shall be equipped with comprehensive control system as it is warranted with reference to generations of emissions and operate and maintain the same continuously:

Sr. No.	Name of Equipments/ Installation	No of Installation	Capacity	SO ₂ Kg/Hr	(g/kw-hr)			
					NOx	HC	CO	PM
1	D.G. set	1	600KVA		9.2	1.3	3.5	0.3

- (ii) The unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.
- (iii) The unit should carry out emission monitoring from the stacks once a year from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the result shall be submitted to this Board.
- (iv) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows

Category of Area/ Zone	Limits in dB (A) Leq	
	Day time	Night time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.


5. **GENERAL CONDITIONS:**

- The applicant shall not change or alter the quantity, the rates of discharge, temperature and the mode of disposal of the treated water without previous written permission of the Board.
- The applicant shall provide facilities for collection of the samples to the Board staff.
- Stack heights for a (Diesel generator set(s)) shall be as follows:
 - Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula $H = h + \sqrt[0.2]{KVA}$ where H = total height of the stack in meters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.

The generator shall be installed in a closed area with a silencer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:

The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.

4. The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
5. The industry shall implement the following Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India.
 - a) Hazardous and Other Wastes Management Rules, 2016;
 - b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989;
 - c) Rules for the Manufacture, Use, Import and Storage of Hazardous Micro – organism / - Genetically Engineered Organisms or Cell, 1989.
6. All the Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
7. Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (Prevention and Control of Pollution) Act 1974 and under section 21(4) of the Air (Prevention and Control of Pollution) Act 1981 to review any or all the conditions imposed hereby.
8. Any change in the details made after the submission of the application/ after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
9. This Consent to Establish is granted without any prejudice to any other permissions(s) required under any laws, bye – laws and regulations in force.
10. The unit should obtain permission from the Forest Department/ Wild Life Board wherever applicable.
11. The unit should implement rain water harvesting and ground water re-charge measures in consultation and approval of the Water Resource Department, Government of Goa and Directorate of Industries, Trade and Commerce, Government of Goa, before submitting an application for Consent to Operate.


(Levinson Martins)
Member Secretary
For Goa State Pollution Control Board

12. The unit/ generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management) Rules, 2016. Any activity as defined under BMW (M) Rules has to obtain a separate Authorization from Goa State Pollution Control Board.
13. The unit should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
14. The unit shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant
15. Reliable flow meter shall be installed to maintain record of water consumption / waste water consumption per day. This records so maintained shall be made available to the Board officials whenever required.
16. **The Builder shall operate and maintain the sewage treatment plant effectively for an initial period of five years, before handing over the same to the residents of the society.**
17. **The unit should provide a raw sewage Holding Tank with a capacity of 990KLD capacity, as a provision in case of STP breakdown/ maintenance.**
18. **The Unit should maintain a minimum garden area of 3270 sq.mt and should be provided with plants such as area palms, Pichardia Palm, Begonia, Chrysanthemum, Tuberoses, tuberose (rajini Gandha) etc. as submitted with the application.**
19. **The unit shall segregate and store the waste generated by them in three separate streams namely biodegradable or wet waste, non- biodegradable or dry waste and domestic Hazardous waste in suitable bins and handover segregated non-biodegradable or dry waste and domestic hazardous waste to the authorized waste processors or disposal facilities or deposition centers either at its own or through the authorized waste collection agency or the local body.**
20. The industry shall bear the cost of analysis / monitoring in case of complaints received by the Board/ reinspections due to non compliances observed by the Board & monitoring carried by the Board.
21. The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable.
22. The unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2011, if applicable.



(Levinson Martins)
Member Secretary

For Goa State Pollution Control Board

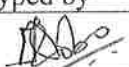
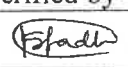
23. The unit shall submit returns for disposal of e - waste under the E- Waste (Management & Handling) Rules 2016, if applicable.
24. The unit shall submit returns for disposal of plastic waste under the Plastic Waste (Management) Rules 2016, if applicable.


To,
M/s. UMIYA HOLDINGS PVT. LTD.
(Represented By: Venkat Mauppana)
H.No. B-75/B, Bainguinim,
Old Goa - 403107

Copy to: - 1 Accounts Section
2 Concerned File
3 Guard File

Received Consent fee of: **The capital Investment of the unit is Rs.14852.00lacs**

Challan no.	Amount	Date
1686	Rs.60200/- (NOC fees)	22/11/2016

Typed by	Verified by
	


(Levinson Martins)
Member Secretary
For Goa State Pollution Control Board

OFFICE OF THE ASSISTANT ENGINEER
ELECTRICITY DEPARTMENT, SUB-DIV. II(R), COMMERCIAL
1st Floor, VIDHYUT BHAVAN, NEAR KTC BUS STAND
VASCO-DA-GAMA, GOA, PIN- 403802. PH.No. 2511565
EMAIL ADDRESS:- ae11div2-etc.goa@goa.in

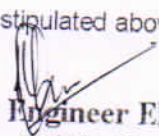
NO: SDE-II/VSG/Tech-1/ 1071 /16-17

Dated:- 06/12/2016.

No Objection Certificate

In pursuance of section 43 of Electricity Act, 2003 & subject to the conditions mentioned therein and the following conditions No objection certificate is hereby issued to M/s. Umiya Holding Pvt. Ltd., for proposed Construction of Multi Family Dwelling and Compound Wall at Sancoale in property bearing Sy.No. 211/1-A, of Village Sancoale of Mormugao. This certificate is issued as per the request received from the Sarpanch, Village Panchayat Sancoale vide letter No: VP/S/2016-17/1114 dtd:- 02-11-2016.

- 1) The applicant shall complete in advance all the required formalities of the Electricity Department as per conditions of supply of Electrical Energy in force at the time of application or release of Power supply.
- 2) Where existing infrastructure is insufficient to release power supply to the extent of sanctioned load, power supply will be released after installing of required additional infrastructure. At builder /developers cost.
- 3) As per Clause 4(a) of Conditions of supply of Electrical Energy, incase of underground system the owner/promoter of the building shall provide a built-up premises of 2x3sq.mt or more as per requirement with lock and key, located nearest to the public road on the ground floor, for putting up distribution board to be provided by the owner/promoter as per Department's specification. In addition, required open space shall be provided for putting up overhead HT/LT line and transformer centre.
- 4) As per Clause 4(a) (i) of conditions of supply of Electrical energy, incase of underground system, the owner/promoter of the multistoried building having built up area of 1000sq.mtrs or above, shall provide on the ground floor an out house facing the main road built up premises of 21 sq. meters area (7Mx3M) for setting up Department's indoor switchgear & transformer centre. In case the department proposes to install outdoor transformer centre and switchgear, an open space equal to the area mentioned shall be provided having sufficient electrical clearance from any building/structure/trees as required under IE Rule 1956.
- 5) As per Clause 2(c) of Conditions of Supply of Electrical energy, where the building has no frontage abutting a public street and where electric line/service line has necessarily to cross over or go under or through her property, the owner/promoter of the building shall if so required by the Electricity Department, obtain the necessary way-leaves and permission at his own expenses incurred by the Electricity Department in laying the service line and maintaining the same in accordance with the way-leaves shall be also at the expense of the owner/promoter/consumer.
- 6) The minimum vertical and horizontal clearance between the building/structure & the electrical lines passing over or adjacent to the building/structure, respectively, shall not be less than that specified in the Rule No. 79 & 80 of Indian Electricity Rules, 1956, as amended up to date.
- 7) The applicant shall not have any dues pending with the Electricity Department anywhere in Goa.
- 8) This certificate is valid for a period of six months from the date of issue.
- 9) This certificate is liable to be revoked without any notice if any of the conditions stipulated above are not complied with.


Assistant Engineer Elect.
Sub-Div-II (R), Vasco

The Sarpanch,
Village Panchayat - Sancoale.
Copy to :- M/s. Umiya Holding Pvt. Ltd.



Government of Goa
Directorate of Fire & Emergency Services

St. Inez, Panaji,
Goa - 403 001 - India



File No.: DFES/FP/C-1/3/16-17/ 374

Date : 09.02.2017.

Sub:- Uses of places and trades for purpose involving risk from fires. Regarding issue of No Objection Certificate for the proposed Residential Project Building "Umiya Holdings - Block A, B, C1 to C7, F & G" situated at Plot bearing Survey No/Div No. 211/1-A at Sancoale Village, Mormugao, Taluka, Goa.

Ref:- 1) This office letter No. DFES/FP/C-1/3/16-17/332 dated 05.01.2017.
2) Your undertaking dated 24.01.2017.

With reference to the above, this office has no objection to the said proposal for the construction of the proposed Residential Project Building "Umiya Holdings - Block A, B, C1 to C7, F & G" situated at Plot bearing Survey No/Div No. 211/1-A at Sancoale Village, Mormugao, Taluka, Goa subject to compliance of the conditions as agreed by you vide undertaking dated 24.01.2017.

The No Objection given is specific to the plan submitted to this department. Any changes other than as per the plans submitted and the recommendation given by this office, will need prior approval of this Directorate.

The Formal No Objection Certificate be obtained from this office on satisfactory compliance of fire safety requirements as stipulated in the Annexure on completion of the building before it is occupied



Ashok Menon
(ASHOK MENON)
DIRECTOR

FIRE & EMERGENCY SERVICES

Encl:- Annexure "A" & "B"

To,
Shri. Venkat Muppana,
P.O.A for Umiya Holdings Pvt. Ltd.,
2nd Floor, Above Audi Showroom,
Opp. O Conquiro, NH-17,
Porvorim, Goa.

ANNEXURE "A"

I. APPROACH FOR FIRE APPLIANCE:-

- i) Adequate passage way clearance required for the fire fighting vehicles to enter the premises shall be provided at the main entrance, the width of such entrance shall not be less than 4.5 mtrs. If an arch or covered gate is constructed it shall have a clear head room of not less than 5 mtrs.
- ii) The compulsory open space around the building shall not be used for parking.

II. COURTYARDS:- The Courtyards upto 12 mtrs, distance from the building line on all the sides shall be hard surfaced to take the weight of the fire engine weighing upto 24 metric tonnes. All the courtyards, including the pathway shall be in the same plain without any obstruction.

III. FIRE ESCAPE/EXTERNAL STAIRCASES:-

- a) The Building shall be provided with Fire Escape Staircases / External staircases of Dog leg type with adequate landing on every floor as shown in the Architectural Plan submitted to this office vide your letter dated; 22.12.2016. **The fire escape / External stairs should be of R.C.C. construction and shall be directly connected to the ground and shall be separate and remote from the internal staircase.**
- b) **The doorway leading to the Fire Escape / External stairs shall have Fire Resistant Door with Panic Bar of 2 hours fire resistance to prevent spread of fire and smoke.**
- c) Fire Escape staircase shall have flight not less than 125 cms. wide with 25 cms. Treads and Risers not more than 19 cms. and should be limited to 15 per flight.
- d) The fire escape shall be separate and remote from the internal staircase.
- e) No Staircase used as fire escape shall be inclined at an angle greater than 45° from the horizontal.
- f) The hand rails shall be of height not less than 100 cms. and not exceeding 120 cms,

The revised approved Architectural Plan from Mormugao Planning & Development Authority, Goa incorporating the Fire Escape Staircase shall be submitted to this office before seeking the Final No Objection Certificate.

Contd....2/-



IV. **FLAT ENTRANCE**:- The flat entrance and kitchen doors shall be of solid core with fire resistance of not less than half hour (solid wood of 35 mm Shutter) finished thickness and the same shall be of self closing type.

V. **FIRE LIFTS AND OTHER LIFTS**:-

- a) Fire lift shall be provided with a minimum capacity for **Eight (8) Passengers** fully automated with emergency Switch on ground level and shall be equipped with inter communication equipments.
- b) Wall enclosing lift shall have fire resistance of not less than 2 hours.
- c) Shaft shall have permanent vents of not less than 0.2 sq. mtrs. in clear area immediately under machine room.
- d) Landing doors and lift car doors of the **lift shall be of steel shutters of fire resistance of one hour**. No collapsible shutters / gates shall be permitted.
- e) Grounding switch(es), at ground floor level, shall be provided on all the lifts to enable the fire service to ground the lifts.
- f) A sign shall be posted and maintained on every floor at or near the lift indicating that in case of fire, occupants shall use the stairs.
- g) All the requirements of the Lifts shall comply with Section C-1.5 of Annex C, Part 4 Fire & Life Safety of National Building Code of India, 2005.

VI. **ELECTRICAL CABLE SHAFT AND ELECTRICAL METER ROOM**:-

- a) Electrical cables shafts shall be exclusively used for electrical cables and should not open in the staircase enclosures.
- b) Inspection doors for the shaft if provided shall have **two hours fire resistance**.
- c) Electrical shaft shall be sealed at each floor level with non-combustible material having **fire resistance rating of not less than 1 hour**.
- d) Opening in walls or floors which are provided for the passage of all building services like cables, electrical wiring etc. shall be protected by enclosures in the form of Duct/Shaft with **fire resistance of not less than 2 hours**. The **door of the Shaft shall be of 2 hours fire rating**
- e) Electrical meter rooms shall be provided at ground floor level and they shall be adequately ventilated.



- f) The electrical installation should conform **BIS:1646:1997 Code of Practice for Fire Safety of Buildings (General) - Electrical Installation.**
- g) All Electrical cables, particularly heavy cables should be coated with fire resistance paint. A band of fire resistance paint of 1m width at every 10m interval in horizontal plane; complete run of cable in vertical plane, 1m on either side of cable, when the cable is running from one room to another room through wall opening/conducts etc. should be provided.

VII. SERVICE DUCTS AND SHAFTS : All Openings in Separating Walls and Floors shall conform to the requirements of Clause 3.4.8.3 of National Building Code of India, Fire & Life Safety (Part 4).

VIII. MECHANICAL EXTRACTORS FOR SMOKE VENTING :- Mechanical Extractors for Smoke Venting System from Basement shall conform to Annex 'C' Clause C-16 'Basements' from Sub Clause C-1.6.4 to C-1.6.4.3 of Part 4 of National Building Code of India 2005 as per Fire Fighting Drawing No. JEC-TD-FF-3A.

IX. ESCAPE ROUTE LIGHTING:- Escape route lighting and Illumination of Means of Exit (Staircase and Corridor light) in the building shall be as per Clause 4.16 and 4.17 of National Building Code of India, Part 4, Fire and Life Safety, as amended in 2005. The exit arrangements comply with IS:1644/1989 code of practice for safety of Building (General).

X. FIRE FIGHTING REQUIREMENTS:- The Fire Protection Measures shall be provided in the premises as incorporated in the Fire Fighting drawings No. JEC-UH-FF-01, JEC-UH-FF-02, JEC-UH-FF-03, JEC-UH-FF-04, JEC-UH-FF-05, JEC-UH-FF-06, JEC-UH-FF-07, JEC-UH-FF-08, JEC-UH-FF-09, JEC-UH-FF-10, JEC-UH-FF-11, JEC-UH-FF-12, JEC-UH-FF-13, JEC-UH-FF-14, JEC-UH-FF-15, JEC-UH-FF-16, JEC-UH-FF-17, JEC-UH-FF-18, JEC-UH-FF-19 and JEC-TD-FF-3A submitted to this office vide your letter dated; 22.12.2016.

- a) **UNDERGROUND STATIC WATER STORAGE TANK:-** The underground Static Water Storage tank of 50,000 liters capacity shall be provided at ground level at the location marked on the plan as per design specified in the rules with baffled wall as per Fire Fighting Drawing No. JEC-UH-FF-02.



- b) **OVERHEAD (TERRACE WATER STORAGE TANK):-** 13 Nos. of tanks of 25,000 liters capacity each shall be provided on top of the terrace level of **Block A, B, C1 to C7, F & G** exclusively for fire fighting. The tank shall be connected to the Down Comer all through by a booster pump through a non-return valve and a gate valve as per Fire Fighting Drawing Nos. JEC-UH-FF-01 and JEC-UH-FF-19.
- c) **DOWN COMER :-** 12 Nos. of Down Comer of internal diameter of 10 cms. of GI 'C' class pipe shall be provided in the duct in all the **Block A, B, C1 to C7, F & G** of the building with landing valve on each floor alongwith Hose Boxes and 2 Nos. of RRL delivery hoses of 70 mm diameter having a length of 15 mtrs. each with hand controlled Branch pipe and Hose Reel Hose conforming to type 'A' 884-1985 on each floor in such a way as not to reduce the width of the corridor and no part of the floor is more than 6 mtrs. away from the nozzle when fully extended as per Fire Fighting Drawing No. JEC-UH-FF-01, JEC-UH-FF-02, JEC-UH-FF-03, JEC-UH-FF-04, JEC-UH-FF-05, JEC-UH-FF-06, JEC-UH-FF-07, JEC-UH-FF-08, JEC-UH-FF-09, JEC-UH-FF-10, JEC-UH-FF-11, JEC-UH-FF-12, JEC-UH-FF-13, JEC-UH-FF-14, JEC-UH-FF-15, JEC-UH-FF-16, JEC-UH-FF-17, JEC-UH-FF-18 and JEC-UH-FF-19.
- d) **FIRE SERVICE INLET CONNECTION:-** Two way Fire Service Inlet Connection of 63 mm diameter standard coupling shall be provided at ground floor to connect the mobile pump of the fire service to the Down Comer as per Fire Fighting Drawings Nos. JEC-UH-FF-01 and JEC-UH-FF-02.
- e) **FIRE PUMP:-**
- i) Courtyard Hydrants and Automatic Sprinkler System in Basement shall be connected to a electric fire pump capable of delivering 1,680 liters/min. of water at ground level at a pressure of not less than 5 Kg/cm. at the topmost hydrant.
 - ii) Another Electric pump of capacity 180 ltrs. / min. shall be provided as Jockey pump.



- iii) Electric Fire Pump of 900 litres/Min. each giving a pressure of not less than 2 Kg/cm^2 at the top most hydrant outlet of the Down Comer shall be provided at terrace level of each **Block A, B, C1 to C7, F & G** of the building.
- iv) The Electric Mains of the Terrace Pumps shall be provided on the ground floor.
- v) Electric supply to these pumps shall be on independent circuit
- vi) A stand-by diesel operated pump of equal capacity as that of (i) above shall be provided and the same shall be connected to the Down Comer.
- f) **COURTYARD HYDRANT** :- 09 Nos. of Courtyard Hydrant shall be located at a distance of 45 mts. in the courtyard of the premises with a minimum size of the main being not less than 100 mm. which shall be pillar post type with 63 mm single outlet conforming to BIS:908 as per Fire Fighting Drawing Nos. JEC-UH-FF-01 and JEC-UH-FF-02.
- g) **MANUALLY OPERATED ELECTRIC FIRE ALARM SYSTEM**: All the **Block A, B, C1 to C7, F & G** of the building shall be provided with the above system conforming to BIS:2189/1999 with the main control panel at ground floor and pill boxes, hooters at each side of the upper floors. The Layout shall be on in accordance with Indian Standard Specification.
- h) **PORTABLE FIRE EXTINGUISHERS**:- The type/distribution of Fire Extinguishers shall be in accordance with BIS:2190/2010 in all the **Block A, B, C1 to C7, F & G** of the building. All Extinguishers shall confirm to IS:15683/2006.
- i) **ALTERNATE SOURCE OF POWER SUPPLY**:- Independent Secondary Circuit fed by Secondary source of Power supply with appropriate change over switch shall be provided for the Fire systems viz. Corridor lighting, Fire Alarm system, Fire Pumps, Fire lift, Manual Call Points, Mechanical Extractors in the building.
- j) **LIGHTNING PROTECTION OF BUILDING**: All the **Block A, B, C1 to C7, F & G** shall be protected from lightning as per Clause 11 of Part VIII – Section 2 Electrical & Allied Installations of National Building Code of India 2005 and same shall conform to IS: 2309/1989.



- k) **DIRECTIONAL FIRE EXIT SIGN**:- The Fire Safety Signages and Emergency Escape Signages shall be installed at the appropriate places on all floor as per the specimen and size enclosed in **Annexure "B"**.

The floor wise Emergency Escape Plan showing the line of escape shall be displayed appropriately in the Lift Lobby, Passage Area and other enclosed Room to facilitate smooth exit of occupants when need arises.

l) **BASEMENT :-**



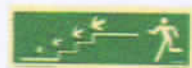





- a) The designated staircase for means of escape during emergencies should terminate at ground floor, similarly the lift should cease at ground floor. No staircase or lifts are permitted to have a continuous flight to basement.
- b) Automatic Sprinkler system should be provided in the Basement as per Fire Fighting Drawing Nos. JEC-UH-FF-01 and JEC-UH-FF-03.
- c) All the requirements of the basement shall conform to section C-1.6 of Annex 'C' of Part IV of the National Building Code of India 2005.





(ASHOK MENON)
DIRECTOR

FIRE & EMERGENCY SERVICES

ANNEXURE "B"

Sr. No.	DESCRIPTION	SIZE (mm)	IMAGES
Emergency Exit Signages (Photoluminescent)			
1	Emergency Exit light Wall mounted with Rechargeable Battery Backup		
2	Exit Signage	100 X 300	
3	Staircase Identification Signage (Photoluminescent)	100 X 300	
4	Staircase Identification Signage (Photoluminescent)	100 X 300	
5	Assembly Point Signage	600 X 600	
6	Fire Alarm Signage	200 X 250	
7	Fire Extinguisher Signage	200 X 200	
8	Hose Reel Hose Signage	200 X 250	




(ASHOK MENON)
DIRECTOR
FIRE & EMERGENCY SERVICES



GOVERNMENT OF GOA
DIRECTORATE OF HEALTH SERVICES
PRIMARY HEALTH CENTRE, CORTALIM_GOA
Phone:0832-2550274

No:PHC/CORT/NOC/CONST/16-17/13/4

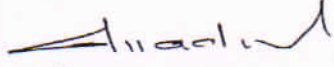
DATE: 9/10/2017

N.O.C. from sanitation point of view for proposed construction of Multi Family dwelling

With reference to your letter No.VP/S/ 2016-17/113 dated 02/11/2016, it is to inform you that this PHC CORTALIM has **NO OBJECTION** to issue NOC from the SANITARY POINT OF VIEW for proposed construction of a Multi Family dwelling as per the Development Permission from MPDA vide No:MPDA/7-U-4/2016-17/950 dated 1/10/2016 on property bearing Sy.No.211/1-A, in plot No.NIL, at Sancoale village of Mormugao Taluka - Goa by M/s Umiya Holdings Pvt. Ltd., subject to the following conditions:

1. The construction shall be carried out as per the plan submitted.
2. The STP shall be more than **15** meters away from any water source and the Consent to establish Sewage Treatment Plant shall be obtained from Goa Pollution Control Board, Panaji-Goa, before starting the construction work of the building and before the actual occupation of the consent to operate STP shall be obtained.
3. Proper cleanliness and sanitation should be maintained at the construction site.
4. No health hazard or any other environmental pollution shall be created in the surrounding area.
5. The owner/contractor shall co-operate with the Health and Pollution Control Authorities whenever they visit the site for inspection.
6. As per section 75 A of Goa Public Health Act all labourers shall possess valid health cards, renewable every three months from its date of issue. Whosoever contravenes the above provision shall be fined Rs.10000/- per labourer. Health cards should be available at the site for inspection.
7. All Sanitary facilities (Toilet/Soak pit for proper disposal of waste water, Mosquito nets) should be provided to the labourers at the construction site.
8. Adequate anti-larval measures shall be carried out at the construction site in consultation with the health authority.
9. The owner/contractor shall display the signboard at the site with details such as name of the Proprietor/Builder/Contractor, NOC details obtained from the various appropriate Authorities.
10. This office is not responsible for any court Litigation regarding the ownership and area of the property.
11. The N.O.C. is liable to be withdrawn if the conditions stipulated above are not complied with.
12. The Applicant should take necessary approval / permission for construction from the local authority and other government agencies before starting of construction.

To,
The Sarpanch/Secretary,
Village Panchayat
Sancoale


(Dr.Socorro Quadros)
Medical Officer Incharge
Primary Health Centre
Cortalim - Goa

Copy to :- M/s Umiya Holdings Pvt. Ltd.
Sancoale-Goa