



Administration of Daman & Diu (U.T.),
Deptt. Of Fire & Emergency services,
Fire Force Headquarters, Somnath,
Daman - 396 215.
Email: sfo-dmn-dd@nic.in

No. DFES/DMN/Pro-CP/BA/ 6 /ADFO/2017

Dated: 25/01/2017.

To,

M/s Boss Appliances LLP,
Survey No. 370/2 plot no. 9,
Kachigam, Nani Daman.

Sub: Grant of **Provisional No-Objection Certificate** for construction permission of the factory building - reg..

Ref: Your application dated 02-01-2017.

Sir,

This has reference to your application under reference above, this office is issuing "**Provisional No-Objection Certificate**" for construction permission of the factory building -1 having Ground floor with Mezzanine floor + first floor with mezzanine + Second floor with total height of the building **17.95 meters** and factory building -2 having ground floor only with total height of the building **03 meters** from the general ground level up to the terrace level on land bearing survey no. 370/2 plot no. 9 situated at Village Kachigam, Nani Daman.

As per proposed factory buildings plan, the details of the construction/building and plot area are shown in the plan of the factory buildings as submitted by the applicant is as under:

Sr. No.	Particulars of Construction	Total B/U area (Sq.M.)		
01.	Total Plot area	3000.00		
	Permissible Ground coverage @50 %	1500.00		
	Proposed ground coverage @ 49.39%	1485.00		
	Permissible FAR/FSI @ 2.00	6000.00		
	Consumed FSI @ 1.60	4814.28		
02.	Built up area for FSI	Buld-1	Buld-2	Total
	Ground floor	1476.00	09.00	1485.00
	Mezzanine floor	188.64	--	188.64
	First floor	1476.00	--	1476.00
	Mezzanine floor	188.64	--	188.64
	Second floor	1476.00	--	1476.00
	Total proposed built up area	4805.28	09.00	4814.28
03.	Total height of the building	17.95	03.00	--
04.	No. & width of staircases	2/1.5	--	--
06.	No. of lifts	01	--	--

The site abuts have single internal road about **10 meters** wide on west side of the building as shown on the plan. Open space around the buildings from plot boundary is as shown below:

South Side - 05.00 Mtrs.
North Side - 06.14 Mtrs.
East Side - 05.00 Mtrs.
West Side - 12.15 Mtrs. + 10 meter wide road.

In view of the above, so far as department is concerned, there would be no objection from the fire safety point of view for grant of "Provisional No-Objection Certificate" for construction permission of the factory building -1 having Ground floor with Mezzanine floor + first floor with mezzanine + Second floor with total height of the building 17.95 meters and factory building -2 having ground floor only with total height of the building 03 meters from the general ground level up to the terrace level on land bearing survey no. 370/2 plot no. 9 situated at Village Kachigam, Nani Daman subject to satisfactory compliance with the following fire fighting requirements of the National Building Code of India and as required under the Notification No.DFS/DD/F.P.-Notification/2004-05/627 dated 12-01-2005 issued under sub-section (1) of section 13 of the Goa, Daman and Diu Fire Force Act, 1986.

1. ACCESS:

- (i) The premises should be located as to provide easy access to fire brigade.
- (ii) Adequate passageway and clearance required for fire fighting vehicle to enter the each premises should be provided at the main entrance. The width of such entrance shall not be less than 4.5 meters. If an arch or covered gate is constructed, it shall have clear headroom of not less than 05 meters.

2. COURTYARDS/OPEN SPACES:

- (i) The open spaces around the building shall be not less than 5 meters and shall be hard surface so as to take load of the fire engine weighing up to 45 tons each.
- (ii) Courtyard as above all around the building shall be free from obstruction and encroachment for fire brigade access at all times.

3. STAIRCASE:

- (i) The staircase shall be terminated at ground floor level and divert to the basement if any.
- (ii) The sufficient staircases of not less than 1.5 meters width shall be provided on each floor of the each building as per norms
- (iii) No gas piping or electrical panels shall be allowed in the stairway.
- (iv) The exit signs with arrows indicating the escape routes shall be provided at a height of 1.5 m. from the floor level on the wall and shall painted with fluorescent paint.
- (v) All exits signs should be flush with the wall and so designated that no mechanical damage to them can result from the removing furniture, material or any other equipments.

4. ESCAPE ROUTE LIGHTING:

- (i) Escape route i.e. staircase and common corridor, lift, etc. lighting shall be on independent/separate circuits and shall be independently connected so as it could be operated by one switch installation on the ground floor easily accessible to fire staff at any time irrespective of the position of the individual control of the light points, if any.

5. D.G. SET:

- (i) A Stand - by D.G. set with appropriate change over switch shall be provided to supply power to staircase and common corridor lighting circuit, fire lift, the stand-by fire pump, pressurization fans and blowers, smoke extraction and damper systems in case of failure of normal electric supply. The generator shall be capable of taking starting current of all the machines and circuits stated above simultaneously.

6. FIRE FIGHTING REQUIREMENT:

A. PORTABLE FIRE EXTINGUISHERS:

- (i) First aid fire extinguishers bearing ISI mark shall be installed in the building as per the scale laid down in IS 2190:1992.

B. HOSE REEL:

- (i) The first aid hose reel shall be installed on each floor in the staircase landing of the building for fire fighting and first aid hose reel shall be connected directly to the wet riser/yard hydrant main and dia meter of the hose reel shall be not less than 19 mm.

C. WET RISER:

- (i) The Wet Riser system connected to a fire pump at ground level and having main not less than 100 mm internal dia meter G.I. 'C' class pipe

shall be provided with single landing valve on each floor and each staircase landing in the premises.

- (ii) Landing valve of wet riser system should be provided with hose box along with delivery hose and a standard branch pipe 19 mm dia meter.

D. YARD HYDRANT:

- (i) External fire hydrant system shall also be installed in the premises at appropriate distance and having main not less than 200/150/100 mm internal dia meter G.I. 'C' class pipe with connect to the diesel/electric centrifugal fire pump to charge hydrant system.
- (ii) Hydrant points should be provided with hose box along with delivery hose and a standard branch pipe 19/25 mm dia meter.
- (iii) A fire service inlet connection (two way collecting head with non return valve) shall be provided near at main gate of the premises for charging with water by pumping by fire services appliances.

E. AUTOMATIC SPRINKLER SYSTEM

- (i) The automatic sprinkler system should be provided on each floor of the factory building.

F. FIRE ALARM AND SYSTEM:

- (i) The manually operated electric fire alarm (MOEFA) system with main control panel at ground floor level and pill-boxes and hooter at each floor level shall be provided at appropriate places in the buildings.

G. AUTOMATIC DETECTION & ALARM SYSTEM.

- (i) Automatic detection and alarm system shall be provided on each floor of the building.

H. UNDER GROUND WATER STORAGE TANK:

- (i) A satisfactory supply of water for the purpose of fire fighting shall always be available in the form of underground static water storage tank with capacity of 2,00,000 liters.
- (ii) The static storage water supply required for above mentioned purpose should entirely accessible to the fire engines of the local fire service. Provision of suitable number of main holes shall be made available for inspection repairs insertion of suction hose etc.

I. FIRE PUMP

- (i) One electric driven (main pump) centrifugal fire pump of capacity 2880 l/min (60 HP motor & 70 m head) shall be provided near the underground static water storage tank with minimum pressure of 3 kg/cm² at terrace level each for hydrant system, wet riser and sprinkler system.
- (ii) One diesel driven (68 BHP) stand by centrifugal fire pump of capacity 2880 l/min.
- (iii) One electric driven pump (jockey pump) of capacity 180 l/min (15 HP motor & 70 m Head) shall be provided near the underground static water storage tank for hydrant system and wet riser system.
- (iv) The pumping system should be provided auto control panel system.

J. FIRE CONTROL ROOM

- (i) A Fire Control Room shall be provided on the entrance floor of the building with communication system (suitable public address system) to all floors to announce safety instruction to employees and must be connected to the battery backup supply to be always in working conditions.

K. LIGHTNING PROTECTION OF BUILDINGS:

- (i) The lightning protection shall be provided in the building.

7. GENERAL REQUIREMENT:

- (i) Any compartmentation in addition to the proposed plan/existing structure shall be made only with the prior approval of the fire department.
- (ii) The storage, use and handling gasoline, fuel oil and other flammable liquid/gas shall not be permitted in any Group G occupancy unless it complies with the regulations.
- (iii) The sufficient G.I. Fire Bucket stand each of 9 Ltrs. Capacity (4 each stand) with dry sand shall be provided at appropriate place in the building.

12/9

- (iv) "NO SMOKING" "Fire Extinguisher" "Fire Bucket" and "DANGER" caution boards should be displayed at the appropriate places physically shown where ever required & the caution boards should be easily visible.
- (v) Emergency telephone numbers like "Police-100", "Fire Brigade-101", "Hospital", "Doctors", "Responsible Persons" and 104 & 108 of the company should be displayed at appropriate place of the premises.
- (vi) Floor number and all signs with exit/arrows indicating the escape routes, staircase shall be provided on each floor at appropriate place in the building.
- (vii) Fire safety/Emergency evacuation plan of the industrial building shall be prepared and conduct mock drill periodically.
- (viii) It shall be ensured that security staff and every employee of the company are trained in handling fire fighting equipments & fire fighting.
- (ix) The eliminate fire hazards good housekeeping both inside and outside the building shall be strictly maintained by the occupants or the owner of the building.
- (x) The applicant shall inform the fire department for inspection of premises after compliance to all above recommendation or before applying for obtaining occupancy/completion certificate of the building whichever is earlier.
- (xi) The applicant shall required to obtained "Final No-Objection Certificate" before applying for obtaining occupancy/completion certificate of the building failing which the same should be cancelled.
- (xii) The Competent Authority shall issue occupancy /completion certificate only after the "Final No-Objection Certificate" by the fire department.
- (xiii) The undersigned reserves right to amend any additional recommendations deemed fit during final inspection or in future due to the statutory provisions amended from time to time and in the interest of the protection of the company and employees.
- (xiv) This is "Provisional NO-Objection Certificate" for the details given above, which shall be treated valid for the period of one year from the date of issue and it is your responsibility to get the same renewed after satisfactory inspection of fire fighting installations and arrangements provide by you.
- (xv) After compliance to al above recommendation the inspection of the same will be carried out by the representative of this office & after satisfactory inspection "Final No-Objection Certificate" will be issued.
- (xvi) Right to reject/withdrawn N.O.C. at any time without any notice is vested/ reserved with the competent authority if the conditions stipulated above are not complied with.

The applicant has paid the fire NOC fees to the tune of Rs. 48,143/- (Rupees Forty Eight Thousand One Hundred Forty Three Only) by Chalan No. 108 dated 16-01-2017.

This is issued with the approval of Hon. IGP/Director of Fire & Emergency Services, Daman & Diu, Daman vide FTS diary No. 163370 dated 09-01-2017.

Yours faithfully,

to 23/1/17
Assistant Director,
Fire & Emergency Services,
Daman.

Copy to:-

1. PA to Hon. IGP/Director of Fire & Emergency Services, Daman & Diu, Daman.
2. The Associate Town Planner, Daman...for necessary action accordingly and OC shall issue only after the Final NOC of the Fire Department.
3. The general Manager, DIC, Daman.
4. Office copy.