



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/NOC-Ind./FS-Reco./ 537 /ADFO/2016 Dated: 08/08/2016.

To,

M/s. Cello Stationery Products Pvt. Ltd.,
Survey no. 717/1, 2, 3 & 711-714, Somnath,
Vill - Dabhel, Nani Daman - 396 210..

Sub: Request to issue N.O.C. of the factory building - reg.,
Ref: Your application dated 30-06-2016.

Sir,

This has reference to your application under reference above, it is to inform that M/s. Cello Stationery Products Pvt. Ltd., Somnath, Nani Daman has applied for fire NOC of the factory buildings A having ground floor + 2 upper floor with total height of 12.00 meters and factory building B having ground floor + mezzanine floor + 2 upper floor with total height of 15.82 meters from the general ground level up to the terrace level on land bearing survey no. 717/1,2,3 & 711-714, Somnath situated at village Dabhel, Nani Daman Manufacturing of Writing Instruments.

The plan of the said factory building is approved by the competent authority as submitted by the applicant. The details of construction and plot area are shown in the approved plan of the buildings are as under:

Sr. No.	Particulars of Construction	Total B/U area (Sq. M.)	
		Building A	Building B
01.	Total Plot area	2267.00	5900.00
	Permissible Ground Coverage @ 40 %	906.80	2360.00
	Consumed ground coverage area @ 39.99 & 39.88	906.71	2353.25
	Permissible F.S.I. @ 1	2267.00	5900.00
	Consumed F.S.I./FAR @ 0.99 & 0.98	2067.81	5833.84
02.	Built up area of the building		
	Ground floor	906.71	2353.25
	Mezzanine floor	--	701.75
	Second floor	580.55	2353.25
	First floor	580.55	425.59
	Total proposed built up area	2067.81	5833.84
03.	Total height of the building in meters.	12.00	15.82
04.	No. of Staircase & width	2/1.00 & 1.75	2/2.00
05.	No. of lifts	02	02
06.	No. of Fire Escape & width	--	01.20

The site abuts have single main road about 06 meters wide on north side of building A & B as shown on the plans of the respective building. Open space around the building from plot boundary is as shown below:

Building No.	Open Space around the each building in meters.			
	South	North	East	West
Build-A	07.65	06.00	12.03 + 06 m wide road	10.17
Build-B	04.00	07.95	10.00 + 06 m wide road	08.97

H. J.

During the scrutiny of the proposed plan of the said industrial building - B, the observation and findings are as under:-

Sr. No.	Observation & findings	Remarks.
01.	Open Space around the building	As per clause 8.3.1 e) part III of NBC – 2005, the open spaces for around the industrial building shall be not less than 4.5 m whereas 4.00 m is shown on south side of the Building -B.

Further, it has been observed that the you have not obtained any kind of permission/NOC from the fire department at the time of construction stage /establishment of said industrial unit for manufacturing of Writing Instruments and the same is under functioning at present. Therefore, the department is unable to issue the provisional N.O.C. of the said factory building in this stage.

You are requested that the following basic fire fighting requirements may kindly be complied in your above said factory buildings A having ground floor + 2 upper floor with total height of 12.00 meters and factory building B having ground floor + mezzanine floor + 2 upper floor with total height of 15.22 meters from the general ground level up to the terrace level on land bearing survey no. 717/1,2,3 & 711-714, Somnath situated at village Dabhel, Nani Daman Manufacturing of Writing Instruments as per guideline of 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 5 meters.

2. COURTYARDS/OPEN SPACES:

- (i) The open spaces around the building shall be not less than 4.5 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 staircase of not less than 1.5 meters width shall be provided on each floor of the building.
- (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.

5. 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.

6. 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.

7. FIRE FIGHTING REQUIREMENT:

A. PORTABLE FIRE EXTINGUISHERS:

- (i) First aid fire extinguishers bearing ISI mark shall be installed in the each buildings 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 each building for fire fighting and first aid hose reel shall be connected directly to the wet riser main and dia meter of the hose reel shall be not less than 25/19 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/landing in the each building.
- (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 /Ring hydrant system shall also be installed around 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 each factory building.

F. FIRE ALARM SYSTEM:

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

G. AUTOMATIC DETECTION & ALARM SYSTEM.

- (ii) Automatic detection and alarm system shall be provided on each floor of the factory each 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 fire fighting shall be entirely accessible to the fire engine and the tank shall be provided with suitable number of man holes for inspection repairs insertion of suction hose etc.

I. FIRE PUMP

- (i) Two electric driven (main pump) centrifugal fire pump of capacity 2850 l/min shall be provided near the underground static water storage tank with minimum pressure of 3 kg/cm² at terrace level for hydrant system, wet riser and sprinkler system.
- (ii) One diesel driven stand by centrifugal fire pump of capacity 2850 l/min.
- (iii) One electric driven pump (jockey pump) of capacity 180 l/min 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.

Ref. Q

K. LIGHTNING PROTECTION OF BUILDINGS:

(i) The lightning protection shall be provided on the each building.

8. 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 Fire Bucket stand each of 9 Ltrs. Capacity (4 each stand) with dry sand shall be provided at appropriate place in the building.
- (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 in security cabin.
- (vi) Emergency/Fire Evacuation floor plan shall be displayed on each floor at appropriate place in the Hotel building.
- (vii) Floor number and signs with exit/arrows indicating the escape routes, staircase shall be provided on each floor at appropriate place in the building.
- (viii) All signs with arrows indicating the escape routes shall be provided at appropriate place in the building.
- (ix) Fire safety/Emergency evacuation plan of the Hotel building shall be prepared and conduct mock drill periodically.
- (x) It shall be ensured that security staff and every employee of the company are trained in handling fire fighting equipments & fire fighting.
- (xi) 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.
- (xii) The applicant shall inform the fire department for inspection of premises after compliance to all above recommendation of the department.
- (xiii) The competent authority 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.

In this connection it is also inform you that the satisfactory compliance report with the aforesaid requirements will be submitted within 06 months for further necessary action.

The applicant has paid the fire NOC fees to the tune of Rs. 79,017/- (Rupees Seventy Nine Thousand Seventeen Only) by Receipt No. 742 dated 03.08.2016.

Yours faithfully,


Assistant Director,
Fire & Emergency Services,
Daman.

Encl: Original file with relevant documents.

Copy to: -

1. PA to Hon. IGP/Director of Fire & Emergency Services, Daman & Diu, Daman.
2. The Associate Town Planner, Daman.
3. The General Manager, DIC, Daman.
4. Office copy.