



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-RCP// 33/ADFO/2017/

Dated: 09/02/2017.

To,

M/s. Kuloday Technopack Pvt. Ltd.,
Survey No. 597/1B, 645/1, Dabhel,
Nani Daman - 396 210.

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

Ref: Your application dated 09-01-2017.

Sir,

This has reference to your application under reference above, this office is issuing "Provisional No-Objection Certificate" for revise construction permission of the factory building A having ground floor(existing) + Mezzanine floor(proposed) + 1st upper floor (existing) with total height of 12.19 and factory building B having Ground floor + 2nd upper floors (existing) with the total height of the building 17.90 meters from the general ground level up to the roof/terrace level on land bearing survey no. 597/1B, 645/1 situated at village Dabhel, Nani Daman.

The existing approved and 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.)			
		Build-A		Build-B	Total
		Existing	Proposed	Existing	
01.	Total Plot area				7815.02
	Permissible Ground Coverage @ 50 %				3907.51
	Consumed ground coverage area @ 43.33				3386.25
	Permissible F.S.I. @ 2				15630.04
	Consumed F.S.I./FAR @ 1.06				8302.55
02.	Built up area of the building	Build-A		Build-B	Total
		Existing	Proposed	Existing	
	Ground floor	2261.25	--	1125.00	3386.25
	Mezzanine floor	--	405.05	--	405.05
	First floor	2261.25	--	1125.00	3386.25
	Second floor	--	--	1125.00	1125.00
	Total proposed built up area	4522.50	405.05	3375.00	8302.55
03.	Total height of the building in meters.	12.19		17.90	---
04.	No. of Staircase & width	02/1.52 & 01/1.50		02/1.5	---
05.	No. of fire escape	--		--	---
06.	No. of lifts	01		01	---

The site abuts have main road about 10 meters wide on south side of buildings as shown on the plans of the building. Open space around the buildings from plot boundary is as shown below:

Building No.	Open Space around the each building in meters.			
	South	North	East	West
Build-A	11.08 + 10 m wide road	09.00	09.03	09.00
Build-B	09.00 + 10 m wide road	09.00	09.99	09.99

W J

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 revise construction permission of the proposed work and existing factory building A having ground floor(existing) + Mezzanine floor(proposed) + 1st upper floor (existing) with total height of 12.19 and factory building B having Ground floor + 2nd upper floors (Existing) with the total height of the building 17.90 meters from the general ground level up to the roof/terrace level on land bearing survey no. 597/1B, 645/1 situated at village Dabhel, 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 5 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 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.

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 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 penal at ground floor level and pill-boxes and hooter at each upper floor level shall be provided at appropriate places in the each building.

G. AUTOMATIC DETECTION & ALARM SYSTEM.

- (i) 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 3,00,000 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) **Two 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 penal 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 for building shall be provided in the premise.

6. 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.
- (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. 83,026/-**
(Rupees Eighty Three Thousand Twenty Six Only) by Chalan No. 112 dated
25-01-2017.

This is issued with the approval of Hon. IGP/Director of Fire & Emergency
Services, Daman & Diu, Daman vide FTS diary No. 168221 dated 24-01-2017.

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Yours faithfully,


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.