

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)

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No. MIDC/Fire/E-20321
Date: 27/11/2017.

M/s. Refkings Cott Soya Pvt. Ltd.
Plot No. A-17
MIDC Indl. Area Addl. Jalna
Dist. Jalna.

Sub: Grant of “**Provisional No-Objection Certificate**” for your
Proposed Construction of Factory Building on Plot No. A-17 at
MIDC Indl. Area, Addl. Jalna. Dist. Jalna.

Ref: i) File Tracking ID No. SWC/115/521/20170727/508985.

Dear Sir,

This has reference to your application under reference one above. This office has “**NO Objection Certificate (Revised Provisional)**” for your proposed construction of factory building having built up area **4201.89 Sq. Mtrs** on Plot No. A-17 MIDC, Addl Jalna Indl. Area. The Plot area of the said Co. is **7,200.00 Sq. Mtrs**. This “**Provisional No-Objection certificate**” is granted for your following proposed construction:-

FSI & Tenement Details (Table 4c-1)

Building	No. of Same Bldg	Proposed FSI Area	Double Ht. FSI Area	Terrace	Stair	Lift	Pass
		Ind.	Ind.				
A (REFINERY SHED)	1	2033.14	678.29	0.00	96.39	6.75	0.00
A (BOILER HOUSE)	1	460.00	230.00	0.00	0.00	0.00	0.00
Grand Total	2	2493.14	908.29	0.00	96.39	6.75	0.00

Building : A (REFINERY SHED)

Floor Name	Proposed FSI Area	Double Ht. FSI Area	Terrace	Stair	Lift	Pass
	Ind.	Ind.				
Second Floor...	354.181	0.000	0.000	19.845	2.250	0.000
First Floor...	679.477	339.146	0.000	38.272	2.250	0.000
Ground Floor...	999.477	339.146	0.000	38.272	2.250	0.000
Total :	2033.14	678.29	0.00	96.39	6.75	0.00
Total Number of Same Buildings :	1					
Grand Total :	2033.14	678.29	0.00	96.39	6.75	0.00

Building : A (BOILER HOUSE)

Floor Name	Proposed FSI Area	Double Ht. FSI Area	Terrace	Stair	Lift	Pass
	Ind.	Ind.				
Ground Floor...	460.000	230.000	0.000	0.000	0.000	0.000
Total :	460.00	230.00	0.00	0.00	0.00	0.00
Total Number of Same Buildings :	1					
Grand Total :	460.00	230.00	0.00	0.00	0.00	0.00

Minimum marginal space as per (Table no.10) Revised DC Rule of MIDC

Sr. No.	Plot Size in Sq.m.	Minimum Open Space from front side	Minimum Marginal Open Space from other sides
1.	Above 5000 sqm.	9. M. or 1/3 rd height of building whichever is more	9 M. or 1/3 rd height of building whichever is more

This N.O.C. is valid subject to fulfillment of the following conditions.

Provisions of Maharashtra Fire Prevention and Life Safety Measures Act, 2006

1. Under **Section 3** of “**Maharashtra Fire Prevention and Life Safety Measures Act, 2006**” (hereinafter referred to as “said Act”). The applicant (developer, owner, occupier by whatever name called) shall comply with all the Fire and Life Safety measures adhering to National Building Code of India, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
2. As per the provision as **under :- 10** of the said Act. No person other than the License Agency shall carry out the work of providing Fire Prevention and Life Safety Measures or performing. Such other related activities required to be carried out in any place or building or part thereof provided that,
 - a. No Licensed Agency or any other person claiming to be such Licensed Agency shall give a certificate under **sub-section (3) of section 3** regarding the compliance of the fire prevention and life safety measures or maintenance thereof in good repair and efficient condition, without there being actual such compliance or maintenance.
3. Under **Section 11** of the said Act, the fire service fees shall be assessed and the same shall be payable after serving the notice to that effect or prior to issue of the building completion certificate or occupancy certificate whichever is earlier.
4. Though certain conditions are stipulated from the said Act and the National Building Code of India, it is obligatory on part of the applicant that is developer, builder, occupier, owner, tenant, by what so ever named called to abide with the provisions of the said Act failing which it shall be actionable under the provisions of said act.
5. The plans of the Factory Building should be approved by the Executive Engineer MIDC, Civil Division., Aurangabad.
- 7 The building completion certificate should be obtained from Executive Engineer MIDC, Civil Division, Aurangabad. **The B.C.C. shall be issued subject to “Final No-Objection Certificate” from fire department.**
- 8 Proper roads in the premises should be provided for easy mobility of the Fire Brigade Appliance & marginal spaces should be kept free from obstructions all the time.
- 9 The load bearing capacity of internal roads shall not be less than **45 Tons**.
- 10 All portable fire fighting equipments installed at various locations as per local hazard such as Co2-DCP, Foam, Fire buckets should be strictly as per and confirming to **IS: 2190**.
- 11 All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
- 12 Emergency Telephone numbers like “**Police**”, “**Fire Brigade**”, “**Hospital**”, “**Doctors**”, and “**Responsible persons of the company**” should be displayed in security cabin & factory building.
- 13 It shall be ensured that security staff & every employee of the Building are trained in handling fire fighting equipments & fire fighting.
- 14 “**Fire Extinguisher**” “**Fire Bucket**” “**Danger**” “**No Smoking**” caution boards should be displayed at the places easily visible from a distance.
- 15 The house keeping shall be well maintained within the entire Building .
- 16 Fire buckets 12 Nos. filled in with fine sand will have to be installed on strategic locations and should be easily accessible in case of emergency.
- 17 All electrical appliances/fittings and fixtures should be strictly flame proof.
- 18 No hot job should be permitted in the building without prior permission from the concerned responsible office of the Factory Building.
- 19 **In future if the co. intends to do the expansion / alteration / modification of any building an approval of this department must be obtained before commencing proposed construction.**
- 20 **Travel Distance of 30 Mtrs. should be maintained along the line of travel**

REQUIREMENT AND PROVISION: - The following Fire Protection System is required for the fire safety of the building:-

Sr. No.	FIRE FIGHTING INSTALLATION	Requirements	Provision	Remarks
1	Portable Fire Extinguishers	Required		As per IS: 15683.
2	Hose Reel	Required at prominent places.	In entire factory Building	diameter of the hose reel shall not be less than 19mm confirming to <u>IS 884:1985</u>
3	Yard Hydrant or Ring hydrant around the building	Required	At Various strategic Locations.	Fire Brigade Inlet connection should be provided. Hydrant points should be provided with 2 Nos. of Delivery Hose confirming to IS-14933-2001 along with Standard Branch (Universal) confirming to IS-2871. The distance between 2 Hydrants should not be more than 45 mtrs. The guidelines should be followed as per IS 3844:1989.
4	Automatic Sprinkler system	Required entire Refinery shed.		Sprinkler system should be provided Guidelines are given in IS 15105 Design and installation of Fixed Automatic sprinkler fire Extinguishing system
5	Automatic Smoke Detection System	Required entire Refinery shed.		Automatic Smoke Detection system should be provided. Standards and guidelines given in IS-11360-1985 specification for Smoke Detectors for use in Automatic Electrical Fire Alarm system. <u>Detection system for Cable Trench should be provided.</u>
6	Manually Operated Fire Alarm System		Required	Shall be provided in entire Bldg. Manual Call point shall be given at strategic locations.
7	Underground static water storage tank	Required 50,000 Ltrs.		If terrace tank is not possible to provide due to shed type structure then same quantity shall be included in underground static water tank
8	Fire Pump	1 No. 1600 lpm electrical driven main pump. 1 No. 1600 lpm Diesel driven stand by pump. 1 No.180 lpm Electrical Jockey pump.		Fire Fighting pumps shall be well maintained. Fire pumps shall be centrifugal pumps only. D.G. backup should be provide for pump house.
9	Sign Indicators for all fire safety, safe evacuation of occupants in case of emergency signs	Required at Prominent Places.		Sign indicators should provided at prominent places as per the guidelines given in IS:9457 for Safety colour and Safety IS:12349 for Fire Protection Safety Signs IS:12407 for Graphics symbols for Fire Protection Plan.

Exit Requirement:

1. An exit may be doorway, corridor, Passageway(s) to an internal staircase, or external staircase, or to a verandah or terrace(s), which have access to the street, or to the roof of a building or a refuge area. An exit may also include a horizontal exit landing to an adjoining building at the same level.

2. Every exit, exit access or exit discharge shall be continuously maintained free of all obstructions or impediments to full use in the case of fire or other emergency.
3. Exits shall be clearly visible and the route to reach the exits shall be clearly marked and signs posted to guide the occupants of the floor concerned. Signs shall be illuminated and wired to an independent electric circuit on an alternative source of supply.
4. To prevent spread of fire and smoke, fire doors with 2 hours fire resistance shall be provided at appropriate places along the escape routes and particularly at the entrance to lift lobby and stair well where a 'funnel or flue effect' may be created inducing an upward spread of fire.
5. All exits shall provide continuous means of egress to the exterior of a building or to an exterior open spaces leading to the street.
6. Exits shall be so arranged that they may be reached without passing through another occupied unit.

GUIDELINES FOR INTERNAL STAIRWAYS as per NBC 2005.

1. Stairways shall be constructed of non-combustible materials throughout. Hollow combustible construction shall not be permitted. Width of Staircase should be **1.5 M. 30 mtrs. Of Travel Distance should be maintained considering Seating arrangement.**
2. No Gas piping shall be laid down in the stairway.
3. Internal staircase shall be constructed as a self-contained unit with at least one side adjacent to an external walls and shall be completely enclosed.
4. Internal staircase shall not be arranged around lift shaft unless the later is entirely enclosed by material of fire resistance rating as that for type of construction itself.
5. The access to main staircase shall be gained through at least half-an-hour fire resisting automatic closing doors, placed in the enclosing walls of the staircase. They shall be swing type doors opening in the direction of the escape. **Fire Doors on each floor should be provided at the entrance of the staircase having 2 hrs. Fire Resistant.**
6. No living space, store or other space, involving fire risk, shall open directly in to staircase.
7. The external exit door of a staircase enclosure at ground level shall open directly to the open space or should be accessible without passing through any door other than a door provided to form a draught lobby.
8. 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. All exit signs should be flush with the wall and so designed that no mechanical damage to them can result from the removing furniture, material or any other equipment.
9. **Exits shall be so located that it will not be necessary to travel more than 30 m. from any point to reach the nearest exit.**

GUIDELINES FOR PLANT AREA:

- Portable fire fighting equipments should be installed at various locations as shown at the time of inspection, such as Co2-DCP, Foam, Fire buckets should be strictly confirming to relevant IS specification. All the fire fighting equipments shall be well maintained and should be easily accessible in case of emergency.
- **“Fire Extinguisher”, “Fire Bucket” “Danger” “No Smoking”** caution boards should be displayed at the places physically shown & the caution boards should be easily visible and **as per the guidelines given in IS:9457, IS:12349 and IS:12407.**
- The house keeping shall be well maintained within the entire plant area.

GUIDELINES FOR RAW MATERIAL STORE/GODOWN : -

1. The storage in godown should be in a systematic way proper roads should **be marked by “Yellow” colour & should be kept free of obstruction all the time.**
2. The maximum stacking height should be marked on the walls in RED colour. The stacking height should not be more than the red line. **Red line should be marked on 1.5 mtrs. from lowest roof level.**
3. All electrical fitting, fixtures should be flameproof & conforming to **relevant IS. All electrical wiring, fitting & fixture should be above the red line (stacking limit line)**
4. The indication mark like **Exits, Fire Escape, etc.** should be prominently marked with florescent paint so that it can be seen in darkness.

ELECTRICAL SERVICES:-

1. The electric distribution cables/wiring shall be laid in separate duct. The duct shall be sealed at every alternate floor with non-combustible materials having same fire resistance as that of the duct.
2. Water mains, telephone lines, intercom lines, gas pipes or any other service lines shall not be laid in the duct of electric cables.
3. Separate circuits for **water pumps, lifts, staircase & corridor lighting** shall be provided directly from the main switch gear panel and these
4. circuits shall be laid in separate conduit pipes so that fire in one circuit will not affect the others.
5. The inspection panel doors and any other opening in the shaft shall be provided with airtight fire doors having the fire resistance of not less than two hours.
6. Medium & low voltage wiring running in shaft and within falls ceiling shall run in metal conduit.
7. An independent & well-ventilated service room shall be provided on the ground floor with direct access from outside or from the corridor for the purpose of termination of electric supply. The doors provided for the service room shall have fire resistance of not less than two hours.
5. Danger/ No smoking board shall be displayed at the entrance gate of transformer switchyard.

In addition to the above, all provision under the D.C. Rules of MIDC and N.B.C.2005, Part-IV shall be strictly adhered.

This is a **“Provisional No-Objection Certificate”** which shall be treated valid for the period of one year from the date of issue. After compliance with above mentioned recommendations / conditions, inspection of the fire prevention & protection systems provided by you will be carried out by this department & after satisfactory performance of the system **“Final No-Objection Certificate”** will be issued.

As per Office Order No. MIDC/Fire Dept/1078 dated 12/07/06, M/s. Refkings Cott Soya Pvt. Ltd. has paid amount of Rs. 2,12,402/- (Rupees Two Lakh Twelve Thousand Four Hundred Two Only) towards "Fire Protection & Scrutiny Fund Fees" vide Receipt No. 1073/CH/5358/2017 dated 22/11/2017.

The undersigned reserves right to amend any additional recommendations deemed fit during the final inspection due to the statutory provisions amended from time to time and in the interest of the protection of the company.

Thanking you.

Yours faithfully,

(B. S. Kapase)
Divisional Fire Officer
MIDC, Aurangabad Region.

Copy submitted to Chief Fire Officer & Fire Advisor, MIDC, Mumbai for favour of information, please.

Copy submitted to The Executive Engineer MIDC Civil Division Aurangabad, for favour of information. Please.