

From :

Commissioner
Municipal Corporation
Faridabad.

To

Authorised Signatory
Vatika Triangle 7th floor
Sushant Lok, Block A
M.G. Road, Gurgaon.

Memo No.: MCF/FSO/2012/ 657/FSO Dated : 23-11-2012

Sub: Approval of Fire Fighting Scheme of proposed IT Park for M/s Hind Enterprises Pvt. Ltd. measuring 8.789 Acre at 12/3 Vill. Sarai Khawaja Sector 27B, being developed by Vatika Triangle 7th floor, Sushant Lok, Block -A, Mehrauli - Gurgaon Road, Gurgaon 122002, Haryana, India.

Please refer to your letter dated Nil on the subjected cited above.

The case for the approval of fire fighting scheme from fire safety point of view in respect of a Business Building measuring 8.789 Acre at 12/3 Vill. Sarai Khawaja Sector 27B, being developed by Vatika Triangle 7th floor, Sushant Lok, Block -A, Mehrauli - Gurgaon Road, Gurgaon 122002, Haryana, India has been examined by the FSO-Ist. The fire fighting scheme has been found as per National Building Code of India Part IV 1983 revised 2005. So the proposed fire fighting scheme is approved from fire safety point of view with the following conditions:

1. That the proposed Fire Fighting Scheme is approved in the building plan submitted by firm and as per rules, regulation and bye laws under which the said building plan has been sanctioned.
2. The overhead water tank for fire fighting shall be constructed by the firm at the appropriate place in such a way that domestic water tank shall be filled up from the overflow of fire water tank.
3. That As soon as the installation of the fire fighting arrangements are completed/installed, the same shall be got inspected / tested by the through the agency of this corporation and if the same are found as per the required norms, necessary NOC would be issued to the firm with the approval of commissioner of this Corporation.

[Signature]
Fire Station Officer - Ist
For Commissioner
M.C. Faridabad

For VATIKA LIMITED

[Signature]
Authorised Signatory

HARYANA FIRE SERVICE - GURGAON - 122001
FIRE ADVISORY COMMITTEE
QUESTIONNAIRE FOR HIGH RISE BUILDING

1.	Name of the Building	Vatika I.T. Park (Mindscap) Faridabad
2.	Address of the Building	PROPOSED IT PARK FOR M/S HIND ENTERPRISES PVT. LTD. MEASURING 8.789 Acre, AT 12/3, VILLAGE SARAI, KHAWAJA, SECTOR-27, FARIDABAD.
3.	Name and Address of Builder / Promotor	M/S VATIKA LIMITED.
4.	Name & Address of owners	Vatika Triangle, 4th Floor Sushant Lok - Block - A, Mehrauli - Gurgaon Road, Gurgaon 122002, Haryana, India
5.	Area of Plot	35344.93 sqm.
6.	Covered area (at grade level)	10132.00 sqm. 14135.807 sqm
7.	Height of the building	
	a) Overall height (from grade level)	Tower - A = + 61.60m Tower - B = + 50.03m Tower - C1 = + 61.60m Restaurant = + 5.872m
	b) Height upto the highest occupied floor	Tower - A = + 56.15m Tower - B = + 44.60m Tower - C1 = + 56.15m Restaurant = + 4.550m
8.	a) Number of basements (please indicate level below grade in each case)	3 Basements Level of 1st Basement = - 2.850m Level of 2nd Basement = - 5.600m Level of 3rd Basement = - 9.600m
9.	Number of floors (including ground floor)	Tower - A = 14 Tower - B = 11 Tower - C1 = 14 Restaurant = 01 Fire Fighting Scheme approved vide this office Letter No. 657 Dt. 23.11.2012
10.	Area of basement	Area of 1st Basement = 20852.04 sq.m Area of 2nd Basement = 20268.40 sq.m Area of 3rd Basement = 21769.27 sq.m
11.	Covered area of typical floor	Tower - A (6 th & 7 th) = 1259.06 sq.m Tower - B (5 th) = 2524.64 sq.m Tower - C1 (4 th & 5 th) = 2173.18 sq.m Restaurant (Ground floor) = 279.38 sq.m
12.	If basements extends beyond the building line, please indicate the load bearing strength of the roof of basement.	On Fire Tender Route: 45T / Wheel Approx. Load + 8T/Sqm of Filling
13.	Occupancy (use) Please mention separately for basement floors	Basement - Parking & Services. Floors - Office complex.

Authorized Signatory

GIRISH C. MISHRA

B.Tech. (Hons.), MBEM (Distn.)

CONSULTING FIRE PROTECTION ENGINEER

Membership No. UPPA 2416476, ASPE OS 30044 FULL

IWWA, FSAI, CEAI, IPA

Principal Consultant & Director

SAVIRAM ENGINEERING CONSULTANTS PVT. LTD.

22, Duplex-1, Rajat Vihar, Sector- 62, Noida - 201 301 (I.P.)

Ph: 0120 - 2494877, 4261878, Fax: 0120 - 2494877

E-mail: Saviram@sify.com

For VATIKA LIMITED

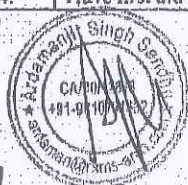
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a) Sanctioned floors: b) Actual floors c) Basements	Basement - Parking & Services; Ground-IT component & Commercial 1 st to upper Floors- IT Offices	(OCCUPANCY - BUSINESS) AS PER NBC 2005 PART IV - FIRE AND LIFE SAFETY
14. Parking areas (please give details)		
15. Details of Surrounding properties / features		
Compass direction in relation to the Building	Type of Property / Building	Distance wall to wall from Building
North	NH-2 ROAD	
South	RAILWAY LINE	
East	OTHER PROP.	
West	OTHER PROP.	

		As per NBC	Proposed
16.	Please give details of water available exclusively for fire fighting	UG Fire tank- 2,00,000 litres Terrace fire tank- 20,000 litres	UG Tank-2,00,000 Litres Terrace fire tank- 20,000 litres
17.	Has wet riser(s) been provided? If so, please indicate the number of risers and internal dia of each	1 wet riser @ 1,000 sqm floor	Yes, 2 risers 150 mm each on typical floors
18.	Has any dry riser been provided? If so, please give details.	Not required	No
19.	Has any down-comer been provided? If so, please give details.	Not required	Wet riser will act as a down-comer
20.	Please indicate the present arrangement for replenishment of water for fire fighting	Supplementation @ 1,000 litres/min	Municipal supply supplemented by borewells
21.	Is a public or other water storage facility available nearby. If so, please give the capacity and distance from your building. Also please indicate if it is readily accessible.	No mention	Domestic water tanks of 2,00,000 Liters gross capacity available. Attaching the fire tank.
22.	Please give any other information that you can regarding availability of water supply for fire fighting	No mention	
23.	Have internal hydrants been provided? If so, please indicate:	Required @ 1,000 sqm each	Yes 2 Nos. single headed provided at each internal hydrant location.
	a) No. of hydrants on each floor including basement(s) and terrace	Required @ 1,000 sqm each	Basement -3- 6Nos Basement -2- 6Nos Basement -1- 5 Nos Ground Floor- 2 Nos First Floor- 2 Nos Second Floor- 2 Nos Typical Floor-(3-11) - 2 Nos. Terrace- 2 Nos
24.	Have first aid hose reels been provided?		Yes

For Vatika IT Parks Pvt. Ltd.

Authorised Signatory



(2) -

GIRISH C. MISHRA
B.Tech. (Hons.), MBEM (Distn.)
CONSULTING FIRE PROTECTION ENGINEER
Membership No. UFPA 2416476, ASPE QS 38044 FULL
IWWA, FSAI, CEAI, IPA
Principal Consultant & Director
SAVIRAM ENGINEERING CONSULTANTS PVT. LTD.
22, Duplex-1, Rajat Vihar, Sector- 62, Noida - 201 301 (U.P.)
Ph: 0120-2494877, 4261678, Fax: 0120-2494877
E-mail: Saviram@sify.com

For VATIKA LIMITED

Authorised Signatory

	If so, please indicate:	Required	
	a) No. of hose reels on each floor including basement(s)	Required	Basement - 3 - 6Nos Basement - 2 - 6Nos Basement - 1 - 5 Nos Ground Floor 2 Nos First Floor 2 Nos Second Floor 2 Nos Typical Floor (3-11)-2 Nos
	b) Bore and length of hose reel tubing on each reel	19 mm	19mmx36.5 m
	c) Size (bore) and type of nozzle fitted to each hose reel	5 mm	5 mm, jet spray type with serrated ends
	d) Is the hose reel connected directly to the riser or to the hydrant outlet?	Directly connected to riser	Directly connected to riser
25.	Has fire hose been provided near each hydrant? If so, please indicate:	Required	Yes
	a) Type of hoses	As per IS:636	Rubberized fabric reinforced rubber lined fire hose [IS:636 :88 type A]
	b) The size of (bore) of hoses	63 mm	63 mm
	c) The length of each hose	15 metres	15 metres
	d) Total number of hoses provided near each hydrant	Two (2)	Two (2)
26.	Have branch pipes been provided? If so, please indicate:	Required	Yes
	a) The type of branch pipe	As per IS:903	Standard size [IS:903]
	b) Size of nozzle fitted to each branch	63 mm	63 mm stainless steel
27.	If the basement is used for car parking or storage, has it been sprinklered?	Required in entire building	Yes. Entire building is sprinklered.
28.	Is the building equipped with automatic fire detection and alarm (AFA) ?	Required	Yes
	a) The type of detectors used	Conventional/Addressable	Address-Optical / Multi Criteria.
	b) The standard to which the detectors conform?	EN54, LPCB, NFPA/UL/FM	EN54.LPCB
	c) The code to which the installation conforms?	IS: 2189-1999	IS: 2189 : 1999
29.	Have manual call boxes been installed in the building for raising an alarm in the event of an outbreak of fire? If so, please give details.	Required	Yes Fire Fighting Scheme Approved vide this office Letter No. 452... Dt. 23-11-2012
30.	Has public address system been installed in the building with loudspeakers on each floor?	Required	Yes
32.	Has fire control room been provided between various floors and the fire control room in the entrance door	Required at ground floor	Central Control Room at Ground Floor in security Room
33.	How many staircases have been provided in the building? Please indicate in each case:	Minimum two internal staircases, 1500 mm wide each required	Tower-A - 2 nos. Tower-B - 2 nos. Tower-C1 - 2 nos. Restaurant - 1 nos.
	a) width of the stairway	Minimum 1500 mm for internal staircases	Tower-A,B,C1- 1500 mm Restaurant - 1500mm

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GIRISH C. MISHRA

B.Tech. (Hons.), MBEM (Dist.)

CONSULTING FIRE PROTECTION ENGINEER

Membership No. UFFPA 2410478, ASPE OS 38044 FULL

IWWA, FSAI, CEAI, IPA

Principal Consultant & Director

AVIRAM ENGINEERING CONSULTANTS PVT. LTD.

Block-1, Patel Vihar, Sector-62, Noida-201305

Ph: 2204 24 4877, 2204 2778 Fax: 2204 2778

Website: www.aviram.co.in

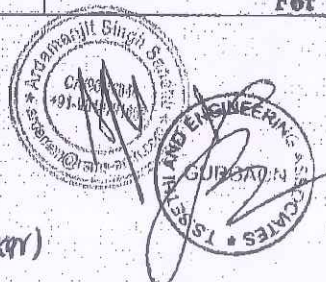
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For VATIKA LIMITED

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(Ranjit R. Dhanraj)

	b) width of the treads	Minimum 300 mm	Tower-A,B,C1- 300 mm. Restaurant - 300mm
	c) height of risers	Minimum 150 mm	Tower-A,B,C1- 150 mm. Restaurant - 150
34.	What is the average occupancy load per floor?	@10 sqm/person	Office : 116 PER Floor Retail = GF - 499, FF=216
35.	How many lifts have been installed in the building? Please indicate in each case:		Tower A,B,C1 = 7 Nos.- 5 passenger(2400x2500) 1 Fire lift (2400x2500) 1 Service lift (1800x3000)
	a) The floors between which the lift runs	No mention	Tower A= Basement to 13 th floor Tower B= Basement to 10 th floor Tower C1= Basement to 13 th floor
	b) The type of door fitted to the lift car and landing doors.	No collapsible gates. Solid doors.	Centre Opening with SS Doors
	c) Fire resistance rating of lift car and landing doors, if known.	Lift car door - Min 30 minutes fire rated, Lift landing door-Minimum 1 hour fire rated	Lift car door - Min 30 minutes fire rated, Lift landing door-Minimum 1 hour fire rated
	d) Floor area of the lift car.	Fire lift: Min. 1.4 sqm	Passenger's Lift : 6 Sqm Service Lift : 5.4 Sqm
	e) Loading capacity of the lift car.	Fire lift: Min. 8 persons ((545 kgs)	Passenger's Lift : 1150 Kgs Service Lift : 1600 Kgs
	f) Has communication system been installed in the lift car?	Communication system shall be provided in lift cars and connected to fire control room of the building	YES
	g) Has a Fireman's switch been installed in the lift for grounding it in the event of fire?	Required	YES
36.	Have any stationary fire pump(s) been installed for pressurising the wet riser? Is so, please indicate:	Required	YES
	a) The number of pumps (Qty.).	Four Nos. : Three main pumps (2 electric+1 diesel engine) and one jockey pump	Five Nos.: Three main pumps (2 electric+1 diesel engine) and two jockey pumps (separate for hydrant and sprinkler circuit)
	b) The size of suction and delivery	Not mentioned	For main pumps-

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B.Tech. (Hons.), MBEM (Dist.)

CONSULTING FIRE PROTECTION ENGINEER
Membership No. UFPA 2416476, ASPE 08 38044 FULL
IWWA, FSAI, CFAI, IPA

Principal Consultant & Director

SAVIRAM ENGINEERING CONSULTANTS PVT. LTD.

2, Duplex-1, Rajat Vihar, Sector- 62, Noida - 201 301 (U.P.)

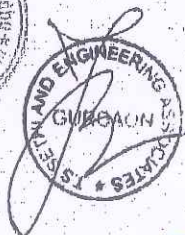
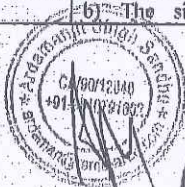
Ph: 0120-2494877, 4261878, Fax: 0120-2411177

E-mail: Saviram@sify.com

■ (4) -

For VATIKA LIMITED

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(Paritosh K. Sharma)

	connection of each pump. (mm) Suction (mm) Delivery		150x100 mm For jockey pump- 100x80 mm
	c) The output of each pump	Main pumps - 2,850 lpm Jockey pump- 180 lpm	Main pumps - 2,850 lpm Jockey pump- 180 lpm
	d) The maximum head (meter) against which the pump can operate at the output mentioned at (c) above.	Min. pressure of 3 kg/sqcm at the terrace level required	20 metres
	e) Is the pump automatic in action?	Required	YES
37.	Has a stand-by source of power supply been provided? If it is through a generator, please indicate:	Required	Yes through Generator
	a) The capacity (output)		6 Nos x 1500 KVA + 1 Nos 500 KVA 100 % stand by
	b) The functions that can be maintained simultaneously by the use of generator, such as operating lift(s) fire pumps emergency lighting etc.		
	c) Is the generator automatic in action or has to be started manually?		Automatic
38.	Has any yard hydrant been provided from the building's fire pump?	Required	YES. ^{As per (19)} nos. @ 45 m c/c.
39.	Where more than one lift are installed in a common enclosure, have individual lifts been separated by fire resisting walls of 2 hours fire rating?	2 hour fire separation required	Yes
40.	Has the lift shaft(s), lift lobby or stairwell been pressurised?	Required	Yes
41.	Have the lift lobbies and staircases been effectively enclosed to prevent fire/smoke entering them from outside at any floor?	Required	Yes
42.	Have all exits and direction of travel to each exit been sign-posted with illuminated signs?	Required	Yes
43.	Is the building centrally air-conditioned? If so, please indicate:		YES
	a) The material used for construction of ducts and its fittings.		Galvanized Iron sheets
	b) The type of lining used, for ducts, if any.		Acoustic lining - Mikron)
	c) The type of lagging used, if any, for insulating any portion of the duct, please also indicate how the lagging is secured.		Thermal insulation provided on duct with nitrile rubber. Lagging is secured by applying SR-998 adhesive on duct & Nitrile Rubber.
	d) If false ceiling is provided, please give information as at 43 above.		YES
	e) If plenum is used in return air passage, has it been protected with fire detectors? Please give details.		The return Air Duct have Motorized Dampers Operated with Control Module sensing the Signal

For Vatika IT Parks Pvt. Ltd

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B.Tech. (Hons.), MBEM (Distn.)

CONSULTING FIRE PROTECTION ENGINEER

Membership No. UFPA 2418478, ASPE QS 38044 FULL

IWWA, FSAI, CEAI, IPA

Principal Consultant & Director

SAVIRAM ENGINEERING CONSULTANTS PVT. LTD.

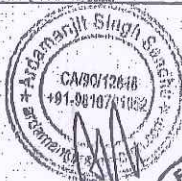
22, Duplex-I, Rajat Vihar, Sector-62, Noida - 201307 (U.P.)

Ph: 0120-2494877, 4261878, Fax: 0120-2494877

E-mail: Saviram@sify.com

For VATIKA LIMITED

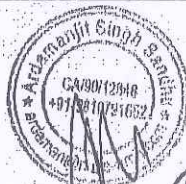
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(Pankaj R. Sharma)

44.	Is the ducting for each floor? Is the ducting for each floor effectively isolated or is it continuous on more than floors?	Required	From Main Fire Alarm Panel. Yes ducting provided on each floor and isolated, its not continuous on more than floor
45.	Where are the switchgear and transformers located? If inside the building, please indicate.		GROUND LEVEL OUTSIDE
	a) If the switchgear and transformer(s) have been housed in separate compartments, effectively separated from each other and from other portions of the buildings by a four hours fire resistive wall?	Required	Yes, housed in Separate Compartment
	b) What precautions have been taken to prevent a possible fire in the transformer(s) from spreading?		ABC Powder Type Fire Extinguishers & Sand Buckets
46.	Where electric cables, telephone cables, dry/wet risers/down comers pass through a floor or wall have the spaces (apertures) round the cables / pipes been effectively sealed/plugged with non-combustible, fire resistant material?	Required	Yes
47.	Is the building sprinklered.	Required in the entire building.	Yes. The entire building is protected with automatic sprinkler system except for electrical rooms.
48.	Please indicate the number and type of fire extinguishers provided at various locations and the arrangement for the maintenance of the extinguishers.	Required	Fire extinguishers of suitable type e.g. CO2, Foam, and Water Co2 shall be provided in the building as per IS code norms.
49.	Please indicate if all fire extinguishers bear the ISI certification Mark.	Required	Yes
50.	Are the occupants of the building systematically trained in fire prevention, use of fire extinguishers and emergency procedures. If so, please give details.	Required	Will be done as per requirements of District Fire Officer's recommendations
51.	Does an emergency organization exist in the building? If so, please give details and append a copy of the emergency (Fire) Orders.	Required	Will be done as per requirements of District Fire Officer's recommendations
52.	Has a qualified Fire Officer been appointed for the building either individually or jointly with other building(s)?	Required	Yes. Will be appointed.
53.	Has the building been protected against lightning? If so, does the lightning	Required	YES, IS - 2309:1989 and National Electrical

For Vatika IT Parks Pvt. Ltd.



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GIRISH C. MISHRA

B.Tech. (Hons.), MBEM (Distri.)

CONSULTING FIRE PROTECTION ENGINEER
Membership No. UPPA 2418476, ASPE OS 38044 FULL
IWWA, FBAI, CEAI, IPA

Principal Consultant & Director
SAVIRAM ENGINEERING CONSULTANTS PVT. LTD.
2, Duplex-1, Rajat Vihar, Sector- 62, Noida - 201 308 (U.P.)
Ph: 0120 - 2494677, 4281878, Fax: 0120 - 2450077
E-mail: Saviram@sify.com

For VATIKA LIMITED

Authorised Signatory

(Pankaj R. Shukla)



Fire Fighting Scheme

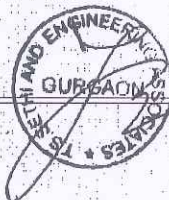
protection conform to any Code? Please indicate details.	Code 1985 norms adopted.
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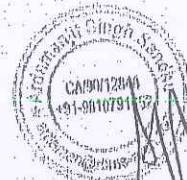
For Vatika IT Parks Pvt. Ltd.

Authorised Signatory

ELECTRICAL ENGINEER



(Pankaj R. Sharma)



ARCHITECT

FIRE CONSULTANT

B.Tech. (Hons.), MBEM (Distn.)

CONSULTING FIRE PROTECTION ENGINEER

Membership No. UPFA 2416476, ASPE OS 38044 FULL

IWWA, FSAI, CEA, IPA

Principal Consultant & Director

SAVIRAM ENGINEERING CONSULTANTS PVT. LTD.

22, Duplex-1, Rajat Vihar, Sector-82, Noida - 201 301 (U.P.)

Ph: 0120 - 2494877, 4261878, Fax: 0120 - 2494877

E-mail: Saviram@sify.com

Fire Fighting Scheme

Approved by the Fire Fighting Letter
No. 657 dated 23-11-2012

(7)-

For VATIKA LIMITED

Authorised Signatory