

# SHINE BUILDCON PVT. LTD.

Regd. Office: H-334, Ground Floor, New Rajinder Nagar, New Delhi-110060  
CIN: U45201DL2004PTC131675, Telephone No.: 011-26744111/12  
Email Id: shinebuildcon@rediffmail.com

SHINE/NOCF/2017/01

Date: 31<sup>st</sup> March, 2017

The Sr. Fire Station Officer,  
Fire Station , Sector -29  
Municipal Corporation Gurgaon


**Subject: Objection Regarding Approval of fire fighting Scheme from Fire Safety point of view of Commercial Colony meas. 2.893 acres in Sector -70 ,Gurgaon of M/s Shine Buildcon Pvt. Ltd.**

**Reference: Your letter No. MCG/FS/SFSO/2016/3239 dated 21.12.16**

Dear Sir,

This is in reference to the captioned subject. Please be informed that we have submitted clarification towards objection raised in your letter No. MCG/FS/SFSO/2016/3239 dated 21.12.16

You are therefore requested to issue Fire NOC at the earliest.

  
Yours truly,

For Shine Buildcon Pvt. Ltd.

Vikas Bajaj  
( Authorized Signatory)

जीवा दमकल केंद्र अधिकारी,  
दमकल केंद्र नंबर-29  
नगर निगम गurgaon।

M/s Shine Buildcon Pvt. Ltd.,  
Vill- Badshahpur, Sector- 70,  
Gurgaon.

Dated- 21/12/16

No.-MCG/FS/SFSO/2016/ 3289

Subject-

**Objection Regarding Approval of fire fighting Scheme from Fire safety point of view of the Commercial Colony meas. 2.893 acres in Sector- 70, Gurgaon of M/s Shine Buildcon Pvt. Ltd.**

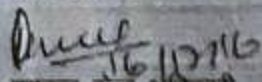
उपरोक्त विषय पर सी.एफ.सी. एम.सी.जी. से प्राप्त फाईल नं०- 201610054992 दिनांक 05.10.2016 की सन्दर्भ में।

विषयाधीन कार्य हेतु प्राप्त फाईल का दमकल केंद्र अधिकारियों की टीम द्वारा अवलोकन किया गया। अवलोकन उपरान्त इस फाईल में बनी पावर प्लान में निम्नलिखित कथियाँ पाई गई हैं:-

- 1- Questionnaire sr. nos. 8,11,13,15,16,18,19,22,24,26,31,33,35,39,43,44, 48,53 are not filled as per NBC norms. In questionnaire, many columns of as per NBC are stand blank/not filled.
- 2- Sign. of Fire, Ventilation, Electrical Consultants and Architect not affixed in questionnaire and drawing.
- 3- The applicant has applied for issue of Fire NOC but file relates to issuance of fire scheme, Fresh request letter to be submitted for issuance of fire scheme.
- 4- Authority letter for submission of file and Authorisation letter of signing authority not attached in file.
- 5- DBR of Fire, Ventilation and Fire alarm and Detection System not attached.
- 6- Fire Ventilation and Electrical Consultant Certificate not attached.
- 7- Classification of building not shown in fire scheme on which fire system has been designed.
- 8- As per BR-III, Approval is given for revise building plan but in questionnaire & scheme, it is not mentioned anywhere about earlier approval of fire scheme.
- 9- UG fire tank capacity not as per norms, it shall be increased.
- 10- Why fire control room shown in B-1, Which is not allowed.
- 11- Diesel pump capacity not as per norms, it shall be increased.
- 12- Automatic fire system for Transformer, HT & LT panel not shown.
- 13- In site plan- Fire tender movement road, Width of Main Entry/Exit, Distance between yard hydrant not shown.
- 14- Detail of Refuge area with calculation not shown in scheme, The area shall also be marked on relevant drawing with direct access of staircase.
- 15- Separate drawing required for Ventilation and Pressurization system for basement area.

- 16-Distance between sprinklers, detectors and curtain nozzles not shown.
- 17-Fire door in Stairs, Lift lobby and Electrical shaft/room not marked.
- 18-Why deluge valve not shown in curtain line.
- 19-Mechanical Ventilation, Pressurization, Pump Head, Hydraulic head loss calculation of sprinklers, Hydrants and Curtain not attached.
- 20-In drawing Cinema hall Audi 1,2,3 shown but in questionnaire not matched about cinema area, occupancy. Why.
- 21-Separate drawing required for Cinema Audi's, clearly showing Travel distance, Spacing between sitting area, Width of Entry/Exit etc.
- 22-Provision of hose reel/FHC in all Audi's etc not shown and provision of fire system are also not sufficient as per NBC norms.
- 23-Why smoke Detectors shown in service apartment room with pantry area, clarify.
- 24-Why mechanical parking area shown in basement area, clarification required about no. of cars and fire system etc also required.
- 25-Fire alarm & Detection system in Audi area not shown.
- 26-Elevation Section Drawing not attached.
- 27-Upper floor mechanical ventilation system also not shown.
- 28-Width of staircase of Assembly building in cinema area not less than 2000 mm.
- 29-Detail regarding non slippery staircase not given.
- 30-Detail of false ceiling gap & fire system above ceiling not clear shown.
- 31-A Certificate shall be given on every drawing that these drawing are as per original drawing passed by Town and Country Planning vide memo no and date.

अतः आपको लिखा जाता है कि आप फायर स्कीम को एन.बी.सी. 2005 के अनुसार तैयार करवाएँ एवं कमराख्या अनुसार जवाब पुनः सी.एफ.सी., एम.सी.जी. कार्यालय के माध्यम से प्रस्तुत करें तथा उपरोक्त Objection मूल फाईल दमकल केन्द्र सेक्टर-29, मुडगांव से किसी भी कार्य दिवस में आकर प्राप्त करें।

  
 वरिष्ठ दमकल केन्द्र अधिकारी,  
 दमकल केन्द्र, सेक्टर-29,  
 नगर निगम मुडगांव।

Revised Building Plan of Commercial Colony Measuring 2.893 Acres ( License No. 34 of 2012 dated 15-4-2012) in Sector- 70, Gurgaon Manesar Urban Complex being developed by Shine Buildcon Pvt. Ltd. FIRE ADVISOR COMMITTEE: QUESTIONNAIRE FOR COMMERCIAL AREA							
The proposed Fire Fighting Scheme							
S.No	DESCRIPTION	AS PER NBC	Proposed				
1	Name of Building	----	Revised Building Plan of Commercial Colony Measuring 2.893 Acres ( License No. 34 of 2012 dated 15-4-2012) in Sector- 70, Gurgaon Manesar Urban Complex being developed by Shine Buildcon Pvt. Ltd.				
2	Address of Building	----	SHINE BUILDCON PVT. LTD. SECTOR-70, BADSHAPUR VILLAGE, GURGAON (HARYANA)				
3	Name and address of builder/promoter	----	SHINE BUILDCON PVT. LTD REGD. OFFICE: H-334,GROUND FLOOR,NEW RAJINDER NAGAR, NEW DELHI-110060 CORP. OFFICE: H-281,UDYOG VIHAR, PHASE-II, GURGAON (HARYANA)				
4	Name and address of Owner / occupiers of individual flats	----	SHINE BUILDCON PVT. LTD REGD. OFFICE: H-334,GROUND FLOOR,NEW RAJINDER NAGAR, NEW DELHI-110060 CORP. OFFICE: 281,UDYOG VIHAR, PHASE-II, GURGAON (HARYANA)				
5	Plot area (Gross)	----	2.5753 Acres (10421.85 Sqm.)				
6	Covered area (at ground Lvl)	----	2806.24				
7	Height of building from N.H.	----					
8. a)	Overall height (from grade level/ surrounding ground level )		55.40M				
b)	Height upto the highest occupied floor		42.4 M				
9	Number of floors (including ground floor)		3 BASEMENT AND G+12 FLOOR (16 FLOORS)				
10. a)	Number of basements (please indicate level below grade in each case)		3 Basement Basement 1 = -3.5M. Lvl. Basement 2 = -8.00M. Lvl. Basement 3 = -12.50M. Lvl.				
b)	Area of Basement and Podium	----	Basement 1 = 3510.00 Sqm. Basement 2 = 3920.03 Sqm. Basement 3 = 3723.13 Sqm. Total Basement Area (B1+B2+B3) = 11153.16 Sqm.				
11	Occupancy (use - Please mention separately for basement and floors)	PART-4 CLAUSE 4.3 & 4.4.2.1 TABLE-3	Floors	Covered Area (Sqm.)	No. of Studio Apartment	No. of 1BHK /STUDIO	Population
	RETAIL	3 Sqm. Per Person	Ground Floor	2772.96			924.32
		6 Sqm. Per Person	First Floor	2406.13			401.02
		6 Sqm. Per Person	Second Floor	2383.02			397.17
		6 Sqm. Per Person	Third Floor	2463.12			410.52
		Cinema seating (366Nos.)					439.20
		Food Court 6 Sqm. Per Person		1590			265.00
	SERVICE FLOOR		Fourth Floor (Service Floor)				
	SERVICE APARTMENTS	2 person per studio , 5 person per 1BHK	Fifth Floor	1173.39	28	3	71.00
			Sixth Floor	1173.39	28	3	71.00
			SeventhFloor	1173.39	28	3	71.00
			Eighth Floor	1132.14	28	3	71.00
			Nlnth Floor	1132.14	28	3	71.00
			Tenth Floor	1132.14	28	3	71.00
			Eleventh Floor	1079.01	28	3	71.00
	MULTIPURPOSE HALL	6 Sqm. Per Person	Twelfth Floor	389.75	0	0	64.96
				TOTAL POPULATION			3399.19
12	Covered area of typ. Floors	----	Floor	Covered Area (Sqm.)			
			Ground Floor	2772.96			
			First Floor	2406.13			
			Second Floor	2383.02			
			Third Floor	2463.12			
			Fourth Floor	74.81			
			Fifth Floor	1173.39			
			Sixth Floor	1173.39			
			SeventhFloor	1173.39			
			Eighth Floor	1132.14			
			Nlnth Floor	1132.14			
			Tenth Floor	1132.14			
			Eleventh Floor	1079.01			
			Twelfth Floor	389.75			
			Total	18485.39			
13	Parking areas Basement @ 35 Sqm / ECS Surface @ 25 Sqm / ECS		No. of Parking	Parking Area (Sqm.)			
		Basement 1 =	112	2654.98			
		Basement 2 =	116	2691.51			
		Basement 3 =	120	2835.18			
		Surface Parking =	55	1375			
	If basement extends beyond the building line, please indicate the load bearing strength of the roof of basement	NBC PART 4 CLAUSE 5.1.6 45 MT (Fire tender load)	60 Ton For Fire Tender Movement				



S.No	DESCRIPTION	AS PER NBC	Proposed				
25	The type of hoses	Required NBC , Clause 6.4.8.2 RRL delivery hose as per IS 636-1988	Reinforced rubber lined hose as per IS 636				
a	The size(bore) of hoses	Required NBC , Clause 6.4.8.2 63 mm dia	63 mm dia				
b	The length of each hose	Required NBC , Clause 6.4.8.2 15 meters for each FHC	15m long				
c	Total No. of hoses provided near each hydrant	Required NBC , Clause 6.4.8.2 2 Nos With Each Hydrant	4 Nos. with each FHC				
d	Have branch pipes been provided? If so, please indicate.	Required NBC , Clause 6.4.8.2	Yes				
26	The type of branch pipe	Required NBC , Clause 6.4.8.2 Short branch pipe	Short type gun metal				
a	Size of nozzle fitted to each pipes	Required NBC , Clause 6.4.8.2 63mm Dia 20 mm Nozzle	63mm x 20mm dia				
b	a) If the basement is used for car parking or storage, has it been sprinklered?	Table -23 Unit -8 Clause 5.1.7 Required	Yes, sprinklers are provided in entire basement				
27	b) Whether segregation / compartmentation of the basement has been provided. If so please detail-	NBC PART 4 CLAUSE C9 Area of compartmentation - 2000 sqmt.	Basement compartmentation provided Maximum area of compartmentation 3000 sqmt. and maximum sprinkler coverage is 9 sqmt. and spacing is 3m x 3m in each compartmentation				
	Is the building equipped with automatic fire detection and alarm system? if so, please indicate –	Table -23 NBC- SECTION-18,2005	Yes, Addressable Fire detection and Alarm system shall be provided. Smoke detectors for shops, corridors and lobby area, Multidetector at electrical Room, Basement, Heat ( ROR cum fixed type) detector for Kitchen area shall be provided.				
28	The type of detectors used	Required NBC , Clause 1.6.4	Multi Criteria detector, Smoke and Heat detectors				
a	The standard to which the detectors conforms	NBC- SECTION-18,2005	IS: 2189				
b	c) the code to which the installation confirms.	NBC- SECTION-18,2005	NFPA - 72				
c	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 Manual Call boxes are installed at each entry, exit, staircases.				
29	Has a public address system been installed in the building with loud speakers on each floor.	NBC Part -4 Clause 5	Yes Public address system is installed in the building with Ceiling speakers on floors, and Horn type speakers including basement.				
30	Has an intercom system been provided between the various floors and the fire control room in the entrance lobby.	NBC Part -4 Clause 5	Yes fire telephone jacks are provided.				
31	Has a fire control room been provided in the entrance lobby of the building	NBC Part -4 Clause 5	Provided at Ground and basement-1				
32	How many Staircases have been provided in the building? And their details		No. of Staircase	5			
			Width of Stairway	1800/1500			
			Width of Treads	300			
			Height of Risers	150			
			Tread Surface	Non-Slip type			
33	What is the average occupant load per floor?	Table -20 (v) 3 Sqmt / person for ground floor, 6Sqmt / person for upper floors for Retail.	RETAIL	710 persons per floor			
			SERVICE APARTMENT	70 persons per floor			
34	How many lifts have been installed in the building? And details	Lift Type	Passenger Lift (RETAIL)	Passenger Lift (RETAIL)	Passenger Lift (SERVICE APARTMENT)	Freight Lift	
	No. of Lifts		2	2	3	1	
	Shaft Size		2000x2500	2000x2500	2000x2500	1800x3000	
	Floor Travel		Basement 3 to 3rd Floor	Basement 3 to 4th floor	Basement 3 to 12th floor	Basement 3 to 12th floor	
	Door Type	NBC PART 4 CLAUSE C1.5C	Automatic	Automatic	Automatic	Automatic	
	Fire Resistance rating of Lift Car & Door	NBC PART 4 CLAUSE C1.5E	2 Hrs.	2 Hrs.	2 Hrs.	2 Hrs.	
	Lift Car Size	Part-4 Clause 1.5q-2 1.4 sqmt. Min.	1200X2000X2100	1200X2000X2100	1200X2000X2100	1000X2400X2100	
	Loading Capacity	Part-4 Clause c-1.5q-2 1.4 sqmt. Min 545 Kg (8 Person) Lift	16PAX	16PAX	16PAX	1020 KG	
	Communication System	NBC PART Clause C-1.5	Yes	Yes	Yes	Yes	
	Fireman's Switch	PART 4 Clause 4.15.1	Yes	Yes	Yes	Yes	

S.No	DESCRIPTION	AS PER NBC	Proposed				
35	Have any stationery fire pumps(s) been installed for pressurizing the wet riser? If so, please indicate	Required as per NBC  PART-IV TABLE-23	Provided				
a	Number of pumps	Required As per NBC Table 23 NOTE-12 Main fire pump (Electric operated)-1No, Jockey pump 1No, Sprinkler pump (Electric operated)1No, Diesel operated fire pump 1 No.	Provided 5 nos. pumps				
b	The size of suction and delivery connections of each pump	200 & 150 dia.	Main Fire Pump 200 mm dia suction & 150 mm discharge. Jockey pumps 80 mm dia suction & 65 mm dia discharge.				
c	The output of each pump	Required As per NBC	1 No. main hydrant pump cap.2850 LPM @ 105m head				
		Table 23 NOTE-22	1 No. main sprinkler pump cap.2850 LPM @ 105m head				
		2850LPM (Hydrant), 180LPM (Jockey),	1 No. main curtain nozzle cap.2850 LPM @ 60m head				
		2850LPM (diesel), 2850	1 No. Diesel driven pump cap.2850 LPM @ 105m head				
		LPM (Sprinkler)	2 Nos. jockey pump cap.180 lpm @ 105m head				
d	The maximum head against which the pump can operate at the output Pressure mentioned at (c)	Required As per NBC Table 23 Minimum 35 M at the top most landing valve.	Minimum 3.5kg/Sqcm at the top most landing valve				
d	Is the pump automatic in action?	Required.	All pumps are in auto operation				
36	Has a standby source of power supply been provided? If it is through a generator, please indicate –	PART 4 Clause C1.15	Yes				
a	The capacity (output)						
b	The functions that can be maintained simultaneously by the use of generator, such as operating lift(s), fire pumps, emergency lighting etc.	PART 4 Clause C1.15	100% power backup to common areas, lifts and common services				
c	Is the generator automatic in action or has to be started manually ?	PART 4 Clause C1.15	Yes in Auto operation				
d	Has any yard hydrant been provided from the building's fire pump?	REQUIRED AS PER NBC Part - IV (2005) Table 23 TYPE E BUILDING	Provided @ 45mm c/c all around the buildings. external hydrant 8 Nos. at ground level				
37	Where more than one lifts are installed in a common enclosure, have individual lifts been separated by fire resisting walls of two hours fire rating?	NBC PART-4 Clause C1.5	Yes, lifts are separated by 2 hours fire rated walls.				
38	Has the lift shaft(s) lift lobby or stair wall been pressurized?	NBC PART-4 Clause C-1.4 & Clause C-1.5 g)	Yes, The lift shafts and Enclosed Lift Lobby shall be provided with pressurization system, consisting of axial flow fans installed on terrace. The staircases are pressurised in Basement 03level to Basement 01 level consisting of axial flow fans installed in Basement 01 and on upper floors these staircases are natural ventilated. Also one of the staircase is connected from basement 03 to fifth floor, which is also been pressurized , consisting of axial flow fans at terrace level and above the fifth floor this staircase is naturally ventilated..				
39	Have the lift lobbies and staircases been effectively enclosed to prevent fire/smoke entering them from outside at any floor?	NBC Part 4 Clause 4.2.9	Fire doors are also provided for fire staircase and shaft for the upper floor.				
40	Have all exits and directions of travel to each exit been sign posted with illuminated signs?	NBC Part 4 Clause 4.2.7	Yes				
41	Has a false ceiling been provided in any Public portion of the building? If so, please indicate location and also mention if the material used for the false ceiling is combustible on non-combustible.	Clause 5.1.7	Yes.Provided in lift lobbies, passage of apartment & Non-Combustible material (the wide space between soffit of slab and false ceiling is less than 800mm)				
42	Is the building centrally air conditioned?	Required	Yes, building is centrally air conditioned				
43	The material used for construction of ducts and its fittings.	NBC PART-8 Clause 4.3.1.1	GI Sheet				
a	The type of Lining used for ducts if any.	NBC PART-8 Clause 4.3.3.2	Acoustic insulation of nitrile rubber secured by an adhesive shall be instalited inside the duct				
b	Type of lining used, if any for insulating any portion of the duct, please also indicate how the lagging is secured.	NBC PART-8 Clause 4.3.3.2	Closed cell nitrile rubber secured by an adhesive				
c	If false ceiling is provided please give information as at 43 above.	NBC PART-4 Clause 5.1.7	Only non combustible material				
d	If plenum is used as return air passage has it been protected with fire detectors? Please give details	NBC PART-4 Clause 5.2.1	Yes with fire dampers				
e	Has a separate AHU been provided for each Floor?	NBC PART-4 Clause 3.4.11.4	Yes				
f	whether automatic shut down of A.H.U been coupled with detection system	Required	Yes, shall be provided.				
g	Is the ducting for each floor effectively isolated or is it continuous on more than on floors ?	NBC PART-4 Clause 3.4.11.1	Yes, ducting for each floor effectively isolated				

S.No	DESCRIPTION	AS PER NBC	Proposed				
h	Is the fire dampers being provided?	Required	Yes, fire dampers shall be provided on supply air and return air duct.				
i							
	Where are the switchgear and transformer located? If inside the building, please indicate.		In the First Basement				
44	If the switch gear and transformer(s) have been housed in separate compartments, effectively separated from each other and from other portions of the buildings by a four hour resistive wall?	Required	Switch gear and transformer(s) have been housed in separate compartments, effectively separated from each other and from other portions of the buildings by a two hour resistive wall.				
a)	What precautions have been taken to prevent a possible fire in the transformer (s) from spreading?	Required	Fire Extinguisher of Co2, type and Sand Buckets have been provided.				
b)							
	Where electric cables, telephone cables, Dry/wet risers/ down comers pass through a floor or wall have spaces (apertures) round the cables/pipes been effectively sealed plugged with non-combustible, fire resistant material?	Required	Yes. Fire barrier are provided in wall & floor, wherever required.				
45							
	Please indicate the number and type of fire extinguishers provided at various locations and arrangement for the maintenance of the extinguishers.	NBC Table-23 Clause 18.2.13.2	Fire Extinguishers have been provided in each shaft and at strtegic locations complying to IS 15683. Fire extinguishers are marked with date of filling and expiry.				
46							
	Please indicate if all fire extinguishers bear the ISI certification mark.	Required	All fire extinguishers bear IS certificate				
47	Whether the refuge area has been provided ? If so, the floor on which provided and the total area provided floor-wise.	NBC PART 4 CLAUSE 4.12.3	Floor		Area (Sqm.)		
48			7TH Floor		24.22		
	Are the occupants of the building systematically trained in the fire prevention use of fire extinguishers and emergency procedures? If so, please give details.	Required	will be trained at the time of occupation				
49	Does an emergency organization exits in the building? If so, please give details and append a copy of the emergency (fire) orders.	Required	will be confirmed at the time occupation				
50	Has a qualified Fire Officer been appointed for the building - either individually or jointly with other building(s)	NBC PART-4 C-6	Shall be appointed on completion of Project				
51	Is the building protected against lightning? If so, does the lighting protection conform to any code? Please indicate details.	NBC PART-8	Early streamer emission lightning protection provided as per NFC-17-102 code				
52	Ventilation						
53	a) Whether Natural ventilation is relied upon? If so, give detail of the vents for the stairwell lift lobby and lift shaft	NBC PART-4 Clause 3.4.12.2	The staircases are pressurised in Basement 03level to Basement 01 level consisting of axial flow fans installed in Basement 01 and on upper floors these staircases are natural ventilated. Also one of the staircase is connected from basement 03 to fifth floor, which is also been pressurized , consisting of axial flow fans at terrace level and above the fifth floor this staircase is naturally ventilated..				
	b) Whether Mechanical ventilation has been proposed? If so give detail of the proposed system indicating the no. of air changers for the basement and upper floors.	NBC PART-4 Clause C-1.6.4.2 & Clause 3.4.12.3	Mechanical ventilation has been proposed in Basement 1, Basement 2 and Basement 3 by using direct driven axial flow fan. Providing normal ventilation @ 6 ACPH and in case of fire @ 12 ACPH.				
	c) Whether Mechanical ventilation is coupled with automatic alarm and detection system please give detail of the system.	NBC PART-4 Clause 3.4.12.1	Yes				
	Whether Fire Movement road around the building has been provided/duly marked in the drawings.	NBC PART-4 Clause 4.6 c	YES				
54							
	Project Team						
		Fire & MEP Consultant	Architect	Owner			
	Name:	P K KALRA	ASHOK PANDIT				
	Designation:	DIRECTOR	CHIEF ARCHITECT				
	Organization:	C TO C SERVICES CONSULTANTS PVT LTD.	ACPL DESIGN LTD.				
	Date:	12.06.17	12.06.17				