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#### HARYANA FIRE SERVICE FIRE ADVISOR COMMITTEE Questionnaire for Highrise Buildir

Questionnaire for Highrise Building The proposed Fire Fighting Scheme as per NBC- 2016

ame of Building	Mixed Occupancy (as per clause 3.1.11 of NBC part IV)	COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD. Basement 2 - Parking & Services (Storage - H occupancy). Basement 1 - Parking & Services (Storage - H occupancy). Lower ground floor - Commercial/ Showroom (Mercantile F-1 & F2 occupancy) & Services (Storage -H occupancy) Upper Ground Floor - Commercial/ Showroom (Mercantile F-1 & F2 occupancy) Mezzanine floor - Commercial/ Showroom (Mercantile F-1 occupancy) First Floor - Commercial/ Showroom (Mercantile F-1 occupancy)
assification of building		Basement 1 - Parking & Services (Storage - H occupancy). Lower ground floor - Commercial/ Showroom (Mercantile F-1 & F2 occupancy) & Services (Storage -H occupancy) Upper Ground Floor - Commercial/ Showroom (Mercantile F-1 1 & F2 occupancy ) Mezzanine floor - Commercial/ Showroom (Mercantile F-1 occupancy ) First Floor - Commercial/ Showroom (Mercantile F-1 & F2
assification of building		Basement 1 - Parking & Services (Storage - H occupancy). Lower ground floor - Commercial/ Showroom (Mercantile F-1 & F2 occupancy) & Services (Storage -H occupancy) Upper Ground Floor - Commercial/ Showroom (Mercantile F-1 1 & F2 occupancy ) Mezzanine floor - Commercial/ Showroom (Mercantile F-1 occupancy ) First Floor - Commercial/ Showroom (Mercantile F-1 & F2
assification of building		Lower ground floor - Commercial/ Showroom (Mercantile F-1 & F2 occupancy) & Services (Storage -H occupancy) Upper Ground Floor - Commercial/ Showroom (Mercantile F- 1 & F2 occupancy ) Mezzanine floor - Commercial/ Showroom (Mercantile F-1 occupancy ) First Floor - Commercial/ Showroom (Mercantile F-1 & F2
assification of building		& F2 occupancy) & Services (Storage -H occupancy) Upper Ground Floor - Commercial/ Showroom (Mercantile F 1 & F2 occupancy ) Mezzanine floor - Commercial/ Showroom (Mercantile F-1 occupancy ) First Floor - Commercial/ Showroom (Mercantile F-1 & F2
assification of building		1 & F2 occupancy ) Mezzanine floor - Commercial/ Showroom (Mercantile F-1 occupancy ) First Floor - Commercial/ Showroom (Mercantile F-1 & F2
assification of building		occupancy ) First Floor - Commercial/ Showroom (Mercantile F-1 & F2
assification of building		
		Second Floor - Commercial/ Restaurant (Assembly D-6 occupancy) & Multiplex (Assembly D-6 occupancy)
		Third & Fourth floor - Multiplex (Assembly D-6 occupancy)
		The building has a mixed occupancy namely-Car parking , storage, shopping, restaurant, multiplex, The building has been designed for fire suppression system. For Assembly D-6 Occupancy ( as per clause 3.1.11 of NBC part IV)
dress of Building	Cartified that fire Clarks	COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.
	DO DOV BUD AL DONE DA	SMART ARENA HOMETOWN LLP IN
ime and address of ilder/promoter	A BELIV, DA. , rainiv, rev	COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD., 109 RING ROAD MALL PLOT NO-21, MANGALAM PLACE, SECTOR -3 ROHINI-110085
me and address of vner/occupiers of individual flats	Gurugram Gulugram	SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD., 109 RING ROAD MALL PLOT NO-21, MANGALAM PLACE, SECTOR -3 ROHINI-110085
ot area		16035.643 sqm (3.9625 Acres)
veneri area (ar orace Ly)	이 것 같아요.	8342.330 sq.m(52.02%)
ight of building	Assembly -30mt & Unrestricted Height	Assembly - 23.25 mt
erall height from grade level (top machine room) water tank coping)		29.25mt
A-122		
Floor 5,586 Rector Stor Recide 201305	B. Arch., M.C.A. I	I.I.A Keoner I
	me and address of Ider/promoter me and address of ner/occupiers of individual flats t area vered area (at grade Lvl) ght of building mail height from grade level (top tachine room/ water tank coping)	Certified that fire Fighting         me and address of ider/promoter       as per N.B.G. Part-IV, rev FSO         me and address of ner/occupiers of individual flats       FSO         tarea       Gurugram       Gulugram         rered area (at grade Lvl)       16035.643 sqm @ 60%@9621.386 sq.m.         ght of building       Assembly -30mt & Unrestricted Height         arail height from grade level (top bachine room/ water tank coping)       GIAN P. MATH ARCHIT         A-122       Arch. M.C.A. 1 CA No. 80/576 Architect

S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
b	Height up to the Terrace of highest occupied floor/ Level		23.25 mt
			TWO BASEMENTS:-
9	Number of basements (please indicate level below grade in each case)	Basement should not exceed beyond the setbacks (as per zoning).	Yes-Basement should not exceed beyond the setbacks (as per zoning).
	1st. Basement floor		-6.700 mts,
	2nd. Basement floor		-11.200 mts,
10	Number of floors (including ground floor)		2nd Basement +1st Basement +Lower Ground Floor +Upper Ground Floor + Mezzanine + 4 Floors
	Arrest barrent		TWO BASEMENTS:-
11	Area of each basement		11357.241 sq.m
	Basement-1		11612.508sg.m.
	Basement - 2		11012.5005g.m.
12	If basement extends beyond the building line, please indicate the load bearing strength of the roof of basement	45 Ton (Fire tender load)	Provided - 60 Ton (Fire tender load)
13	Covered area of each. Floors	Permissible FAR @ 175% = 28062.375 somt	
-9	2nd Basement		11612.508 sq.m
) <del>_</del>	1st Basement		11357.241 sq.m
C	Lower Ground Floor		9163.282 sq.m
d	Upper Ground Floor		8342.330 sq.m
6	Mezzanine Floor		363.651 sq.m
1	First Floor		7840.733 sq.m
g	Second Floor		3342.840 sg.m
h	Third Floor		1948.714 sq.m
1	Fourth Floor		151.066 sq.m
j.	Terrace (Mumty, Machine Room & O.H Water Tank )		894.451 sq.m
	<u></u>		
14	Occupancy Sanction		
_	1st Basement		Parking & Services (Storage - H occupancy).
-	2nd basement		Parking & Services (Storage - H occupancy).
-	2nd basement		Commercial/ Showroom (Mercantile F-1&F2 occupancy) &
	Lower Ground floor		Services (Storage -H occupancy)
-	Upper Ground floor		Commercial/ Showroom (Mercantile F-1 &F2 occupancy )
-	Mezzanine floor		Commercial/ Showroom (Mercantile F-1 occupancy )
-	First floor		Commercial/ Showroom (Mercantile F-1 &F2 occupancy )
-			Commercial/ Restaurant (Assembly D-6 occupancy) &
	Second floor		Multiplex (Assembly D-6 occupancy)
Ē	Third & Fourth floor		Multiplex (Assembly D-6 occupancy)
15	Darking stoor		
15	Parking areas	1 ECS for Every 50 sq.mt. of FAR	
	Parking required		FAR area =28061.915/50=561.238 ECS
	a) Total no. of parking required	area	ESA ECS
	b) No. of covered parking required		561 ECS
-	Parking Provided		562 ECS
	a) No. of cars parked in open		Cortified that fire Flabting Scheme is
	b) No. of cars parked in basements		In Dasement =269 2n Casement = 293 Part-IV. revised 2016
	Total car parking provided		Total Provided = 562
	Dataile of surrounding suspects /		
	Details of surrounding property / features		FSO FSO DE(T)
	Compass directions in relations to the building		Gurugram Gurugram





For Peerage Buildwell Pvt Ltd exchl Authorised Signator

S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
+	NORTH-EAST		
а,	Type of property		Other's Property
b.	Height in case of building		
c.	Distance (wall to wall from building)		
d.	Any other information		
-	SOUTH-EAST		
a.	Type of property		12.00 M Wide Approach (Service) Road
b.	Height in case of building		
c.	Distance (wall to wall from building)		
d.	Any other information		
	SOUTH-WEST	1	
a. b.	Type of property Height in case of building		Other's Property
	Distance (wall to wall from building)		
c.			
d.	Any other information NORTH - WEST		
-	NORTH - WEST		Other's Property
a.	Height in case of building		Guide a Linhard
b.	And a state of the		
3_	Distance (wall to wall from building)		
4.	Any other information		
17	Approach road to the building ,width of road & connecting roads if any	12.00 M Wide Road	12.00 M Wide - South East
18	Please give details of water supply available exclusively for firefighting.		
	a. Underground Fire Reserve	As per NBC- 2016, Part-IV (Table no.7) 200 KL required	Proposed 700 KLD. Be port that the state Scheme is Be port that an entity revised 2016
	b. Over Head Fire Reserve	As per NBC- 2016, Part-IV (Table no.7) Assembely Building-D6 20 KL	Over head tank 20KL X 2. FSO FSO DO(0   Gurugram Gunugram Gurugram
)	Has wet risers (s) been provided? If so, please indicate the number of risers and internal dia of each.	As per NBC - 2016, 100mm dia wet riser required	Yes, Wet riser is provided of 150 mm dia
	2nd Basement		17 Nos. of 150 mm Dia
	1st Basement	1	16 Nos. of 150 mm Dia
	Lower ground floor	As Per IS Code- 3844 Distance	17 Nos. of 150 mm Dia
	Upper Ground Floor	Between Hydrant to Hydrant is not	18 Nos. of 150 mm Dia
	1st Floor	more than 50 mtr. Clause 5.2.2.	18 Nos. of 150 mm Dia
	2nd Floor	]	23 Nos. of 150 mm Dia
	3rd Floor	]	9 Nos. of 150 mm Dia
	Fourth floor	]	3 Nos. of 150 mm Dia
-	Terrace floor		5 Nos. of 150 mm Dia
	Has any dry riser been provided? if so, please give details	Not Required	Not Proposed
	Has any down comer been provided? If so, please give details.	As Per NBC-2016, Table 7 : Not Required.	Not Proposed
	SIGINE DRA	GTAN P MAT	HIIR FOR DOWNER D
Heataba	Fix 535 Souther 138, Neides	GIAN P. MAT ARCH B. Arch., M.C.A CA No. 80/5	HUR For Peerege Buildwell Pvt Ltd ITECT I.I.A
1	and sold and and and and and and and and and an	Architect	C) Internet

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
22	Please indicate the present arrangement for replenishment of water for fire fighting	As per NBC, clause 5.1.6 replenishment with alternate source	Proposed – HSVP supply for replenishment and 150 KL domestic water tank available (by connecting hydropneumatic pump outlet with motorised valve to fire water tank)
23	Is a public or other water storage facility available nearby?	Not Known	Not available
24	Please give any other information that you can, regarding availability of water supply for fire fighting.	Not mentioned	Not available
25	Have internal hydrants been provided? if so, please indicate.	One internal hydrant required in each floor including Terrace @50m distance apart	Proposed
	a. No. of hydrants and dia on each floor including basement(s)	As Per NBC-2016, Required	Nos. of Internal Hydrant of 150mm Dia pipe as below
	2nd Decement		17
	2nd Basement 1st Basement		16
	Lower ground floor		17
$\leftarrow$	Upper Ground & Mezanine Floor	As Per IS Code- 3844 Distance	18
	1st Floor	Between Hydrant to Hydrant is not	18
	2nd Floor	more than 50 mtr. Clause 5.2.2.	23
	3rd Floor		9
	Fourth floor		3
-	Terrace floor		5
	<ul> <li>Have these hydrants single or twin outlets</li> </ul>	Single outlet	Single outlet
7167	Have first aid hose reels been	Required	Yes, Proposed
20	provided? If so, please indicate a. No. of Hose reels on each floor Including basement(s).	One first aid hose reel required in each FHC as per IS-884.	Total= 121 Nos.
	2nd Bassmani		17 Nos.
	2nd Basement 1st Basement		16 Nos.
-	Lower ground floor	As per IS 3844:1998	17 Nos.
-	Upper Ground & Mezanine Floor	A hose reel confirming IS:884 directly	18 Nos.
-	1st Floor	tapped from the down commer pipe	Course of Non
T	2nd Floor	should also be provided on each floor/	Dermied that 23 Nosighting Scheme is
-	3rd Floor	landing.	CO DEL N.B. CO Noo! IV
	Fourth floor	en ander en	3 Nos. revised 2016
	Terrace floor		0 Ngs
_			And the second
_	b Bros and brooth of bross and		C F90 (-50 DD(T)
	b. Bore and length of hose reel tubing on each reel	Required (20mm & 30 m length)	Proposed 20mm tilers 30m Lengtham Curugram
	c. Size (bore) and type of nozzle fitted to each hose reel	Required (5 mm shutoff nozzle)	Proposed- 5mm dia bore.
	d. If the hose reel connected directly to the riser or to the hydrant outlet?	Required	Proposed
	Has fire hose been provided near each Hydrant , If so, please indicate	Required	Proposed
	a. The type of hoses	Required (RRL Type)	Proposed- 2 Nos. of RRL hose reel at Each FHC.
	b. The size(bore) of hoses	63mm dia	63mm dia
	<ul> <li>c. The length of each hose</li> <li>d. Total No. of hoses provided near</li> </ul>	15 m	15 m
	each hydrant	Two Nos.	Two Nos.
of a large	A-122 S-23,588	GIAN P. MATH ARCHI B. Arch. M.C.A. CA No. 80/57	I.I.A Reach Cont

S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
28	Have branch pipes been provided? If so, please indicate.	Required	Yes
	a. The type of branch pipe	Short brach pipe	Short brach pipe
	<ul> <li>b. Size of nozzle fitted to each pipes</li> </ul>	63mm dia & 20mm nozzle	63mm dia & 20mm nozzle
29	If the basement is used for car parking or storage, has it been sprinklered?	As per NBC-2016, Table: 7 required for basements > 200 sqm and on all upper floors)	
	Weather separation/compartmentation of the. Basement & upper floors has been provided. If so give detail	As per NBC 2016-Part4, clause-4.5 (Compartmentation) Basement car parking - Max. 3000 (Sq. Mtr.)	Yes, Fire Zones in basements are provided as per Latest NBC Norms-2016 covering maximum area up to 3000 has been provided in each basement details are mentioned below (Basement-2) Zone-1 - 2559 (Sq. Mtr) Zone-2 - 2050 (Sq. Mtr) Zone-3 - 2417 (Sq. Mtr)
30		Mercantile and Assembly building - Max 2000 (Sq. Mtr.)	Zone -4- 2262 (Sq. Mtr) (Basement-1) Zone-1 - 3000 (Sq. Mtr) Zone-2 - 3000 (Sq. Mtr) Zone-3 - 2825 (Sq. Mtr) For Upper Floors, shops are physical segerated with bricks work, however common corridors are open to atmosphere ,so compartmentation is not given in common corridor
31	Is the building equipped with automatic fire detection and alarm system? if so, please indicate ~	Required as per NBC for more than 15 Mtr. Height or above High rise building Automatic Fire Detection and Alarm	YES, Provided the system as per National Building Code of India 2016 Part 4 Clause 4.9 & Table -7 and IS 2189 : 2008
	a) The type of detectors used	NBC Clause no[4(18)], Table 23	Multi Criteria Detectors, Smoke Detectors, Heat Detector
	i) Basement		Multi Criteria Detectors,
	ii) Electrical Shaft, Electrical Room		Multi Criteria Detectors
	iv) Kitchen	As per IS code 2189:2008	Multi Criteria Detectors
	v) Shop, corridoor, restaurant		Smoke Detectors, AboveDetector shall be installed above false ceiling, if false ceiling level is 800mm or more than 800mm.
	vi) Multiplex	As per IS code 2189:2008	Beam Detectors, Above & Below false ceiling Detector shall be installed.
	<ul> <li>b) The standard to which the detectors conforms</li> </ul>		IS : 11360 (Multi Criteria Detectors) IS : 2175 (Multi Criteria Detectors)"
32	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 as per NBC-IV, 6.4,8.5 fire and safety, Manual Call Box should be provided in central place of each platform.	Certified that fail Forms are provided on each stairCase are provided. Manual call Forms are provided on each stairCase are ach floor, pagement and reac Otherna Fire Exit.
33	Has a public address system been installed in the building with loud speakers on each floors.	Required as per NBC-IV, fire and safety, Speaker or Hooter should be provided in central place of each platform.	Yes provided. Hooters are provided on each staircase of each floor Ungram
34	Has an intercom system been provided between the various floors and the fire control room in the entrance lobby.	Required as per NBC-IV C-5. For 15 Mtr. Height or above High rise building shall be a Control Room on the Entrance Floor of The building with Communication System.	Yes, Communication system will be provided.
-			



GIAN P. MATHUR ARCHITECT B. Arch., M.C.A. I.I.A CA No. 80/5769

For Peerage Buildwell Pvt Ltd **X** 1 Autorisad Signator

(Fire, Electrical Ventilation Consultants)

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
35	Has a fire control room been provided in the entrance lobby of the building	Required As per NBC 2016 - part IV ( Clause no. 3.4.12)	Yes, Fire Control Room is provided at the Lower Ground Floor (Area16.20 sqmt). Direct Approach.
	a) Number of staircases	Min. 2 staircase for building above 15 mts.	Yes Provide as per norms
	1st Basement floor		06 Number with 2.000m width & 02 Number with 2.250m width
	2nd. Basement floor		06 Number with 2.000m width & 02 Number with 2.250m width
	Lower Ground floor		08 Number with 2.000m width & 02 Number with 2.250m width.
	Upper Ground Floor		08 Number with 2.000m width & 02 Number with 2.250m width.
	Mezzanine Floor		Saperate for Each Shop with 1.0m width
	First Floor		08 Number with 2.000m width & 02 Number with 2.250m width.
36	Second Floor		08 Number with 2.000m width & 02 Number with 2.250m width.
	Third floor		07 Number with 2.000m width & 02 Number with 2.250m width.
	Fourth floor		05 Number with 2.000m width
	Terrace		05 Number with 2.000m width
$\neg 1$	a. The width of the Stairway	Min width= 1500 mm	2250mm ,2000 mm, 1200mm for DG & transformer Room
-41	b. The width of Treads	Not less than 300 mm (min.)	300 mm
	c. The height of risers	Not More than 150 mm(max.)	150 mm
	d. If the treads are of non-slip type	Required	Fired Granite stone / Anti skid tape for non-slippey
37	What is the average occupant load	As per NBC	Yes Provided as perfronting Scheme is
-	per floor?		
a	Basement (Parking & Services) Mercantile (lower ground & ground	30 Sq. Mt. per person	as par N.B.C. Part-IV, revised 2016
b	floor	3 Sq. Mt. per person	A P
c	Mercantile (Upper floor level)	6 Sq. Mt. per person	All all a set
d	Circulation	6 Sq. Mt. per person	FOU FOU DONI
e	Assembly	1.8 Sq. Mt. per person	Gurugram Gurugram Gurugram
f	Audi Seat	1.2 m.times no of person	
g	Fover Waiting area	0.3 Sq. Mt. per person	1
9	2nd Basement (Parking & Services)	Occupant Load Factor (m <sup>2</sup> /Person) =30	11612.508 /30 =387.08 Person Total =387 Person
-		Occupant Load Factor (m <sup>2</sup> /Person)	11357.241 /30 =378.57 Person
	1st Basement (Parking & Services)	=30	Total =379 Person
- 1		27	6152.910 /3 =2099.51 Person
2	Lower Ground Floor (Mercantile	Occupant Load Factor (m <sup>2</sup> /Person)=3,	
	Circulation & Services)	6 & 30	737.800/30 = 24.59 Person
_			Total =2479 Person 5187,230 /3 =1729.08 Person
	Upper Ground Floor (Mercantile &	Occupant Load Factor (m <sup>2</sup> /Person)=3,	2425.600/6 = 404.27 Person
	Circulation)	& 6	Total =2133 Person
	Mezzanine Floor (Mercantile)	Occupant Load Factor (m <sup>2</sup> /Person)=3	363.651 /3 =121.28 Person
_	Mercanne (Mercanne)	Occupant Load Factor (III /Feison)=5	Total = 121 Person
		a second and a second and a second as	5802.260 /6 =967.04 Person 2038.473/6 = 339.75 Person
	First Floor (Mercantile & Circulation)	Occupant Load Factor (m <sup>2</sup> /Person)= 6	Total =1307 Person
			1408.530 / 1.8 =782.52 Person
			75 x 0.3 =250 Person
	Second Floor (Assembly, Audi	Occupant Load Factor (m <sup>2</sup> /Person)	702.310 /6 =117.05 Person
	waiting, Audi Foyer Area, Audi	=1.8, 0.3 1.2 &6	814 /2=407 x 1.2 =488.40 Person
	Seat50% & Circulation )	-1.0, 0.0 1.2 00	1157.000/6 = 192.83 Person
			Total =1831 Person
_			814 /2=407 x 1.2 =488.40 Person
	Third Floor (Audi Seat50% &	Occupant Load Factor (m2 /Person)=	471.814 /6 =78.64 Person
13	Circulation )	1.2 &6	471.81476 = / 8.64 Person Total = 567.04 Person
	16		
13		CTANI D SA STOR	
1	A-192 (S)	GIAN P. MATH	IUR For Pearana Buildwell Pvt Ltd
	And Sta	ARCHIT	For Pearage Buildwell Pvt Ltd
	201305		For Peerage Buildwell PVI Lto

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
38	How many lifts have been installed in the building?	Minimum 1 No for Building above 15mtr	8 Lifts are provided.
			Lift no-1 - 2nd Basement to L.G+U.G+ 2nd Floor
			Lift no-2 (fire lift)- 2nd Basement to L.G+U.G+ 2nd Floor
		All Floor	Lift no -3 (fire lift) - 2nd Basement to L.G+U.G+ 2nd floor
	a. The floors between which the lift		Lift no -4 (fire lift) - 2nd Basement to L.G+U.G+3rd floor
	runs		Lift no -5- 2nd Basement to L.G+U.G+3rd floor
	1 MI ND		Lift no -6- 2nd Basement to L.G+U.G+3rd floor
			Lift no -7 (fire lift) - 2nd Basement to L.G+U.G+3rd floor
			Lift no -8 (fire lift) - 2nd Basement to L.G+U.G+3rd floor
	b. The type of doors fitted to the lift	and the second	and a second at the fire ented down
	car and at each landing. c. Fire resistance rating of lift car	Required (stainless steel)	s.s. door centrally opened 1 hrs fire rated doors
	and landing doors, if known	1 Hr/ 1/2 hrs.	1 hrs fire rated doors
	d. Floors area of the lift car	1.4sq.m for car lift Sufficient for 8	Lift no-1(20 per.)-2.65 x2.60 (6.89 sq.m)
	en - Contratectorentine - Dependentine destruit	persons	Liftno-2 fire lift (20 per):2.65 X 2.60 (6.89 sq.m)
			Lift no-3 fire lift (22 per.)- 2.7 X 2.6 (7.02 sq.m.)
			Lift no-4 fire lift (22 per.)- 2.6 X 2.7 (7.02 sq.m.)
			Lift no-5 (15 per.)- 2.4 X 2.45 (6.89 sq.m.)
			Lift no-6 (15 per.)- 2.4 X 2.45 (6.89 sq.m.)
			Lift no-7 fire lift (22 per.)- 2.6 X 2.7 (7.02 sq.m.)
			Lift no-8 fire lift (22 per.)- 2.6 X 2.7 (7.02 sq.m.)
3			
	e. Loading capacity of the lift car.	Min 8 persons and 544 kg	20persons/1360kg for passenger (02 nos.) ,15persons/1020kg for passenger & 22persons/1500 kg for fire lift (04nos.)
-	f. Has communication system been	Required	Yes, Proposed
-	installed in the lift car.	1.	
	g. Has a fireman's switch been installed in the lift for grounding it in the event of a fire?	Required	Yes, Proposed
			Certified Vest For Fr
39	Have any stationery fire pumps(s) been installed for pressurizing the wet riser? If so, please indicate	As per NBC-2016, Table no.7	Yes, proposed Yes, proposed Yes, proposed Yes, proposed Yes, proposed Yes, proposed Yes, proposed Yes, proposed Yes, proposed Yes, proposed
	a. Number of pumps		Total Nomber of Pumps 8 50 (1)
).	<ul> <li>b. The size of suction and delivery connections of each pump</li> </ul>	As per NBC -2016, Table-07	Main Fire Pump : Suction 200 mm dia & Delivery 150 mm dia, Main Water Curtain Pump : Suction 250 mm dia & Delivery 200 mm dia. Jockey Pump: Suction 50 mm dia & Delivery 40 mm dia.
	c. The output of each pump	As per NBC-2016:- a) Electric pump Hydrant 2850 lpm b) Electric pump Sprinkler 2850 lpm c) Diesel Stand by Pump 2850 lpm d) Electric Jockey pump 180 lpm	Proposed:- a) Electric pump Hydrant 2850 lpm x 1 Nos. b) Electric pump Sprinkler 2850 lpm x 1Nos. c) Diesel Stand by Pump 2850 lpm x 2 Nos. d) Electric Jockey pump 180 lpm x 2 Nos. e) Water Curtain pump 4500 lpm x 1 Nos. f) Water Curtain Diesel pump 4500 lpm x 1 Nos.
	<li>d. The maximum head against which the pump can operate at the output Pressure mentioned at ( c )</li>	As per NBC-2016,	Maximum pupm Head is 85 M





For Peerage Buildwell Pvt Ltd

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
40	Has a standby source of power supply been provided? If it is through a generator, please indicate	Required as per NBC-IV 6.4.8.1. the provision of diesel pump can be dispensed with and instead, two electric pumps may be provided out of which at least one should have DG back-up. The jockey pump should also have DG back-up.	Yes, Provided Through Diesel Generators.
	a. The capacity (output)	Standby backup to be provided for essential loads	3 No. 910 kVA + 01 No. 750 kVA 415 Volts DG set. Yes,100% backup for lifts, fire pumps common area lighting,complete fire fighting and evacuation system.
	<ul> <li>b. The functions that can be maintained simultaneously by the use of generator, such as operating lift(s), fire pumps, emergency lighting etc.</li> </ul>	Required as per NBC-IV 6.4.8.1. the provision of diesel pump can be dispensed with and instead, two electric pumps may be provided out of which at least one should have DG back-up. The jockey pump should also have DG back-up.	100 Percent power backup
)	<ul> <li>c. Is the generator automatic in action or has to be started manually</li> <li>?</li> </ul>	Yes	Yes, Proposed with Automatic system
41	Has any yard hydrant been provided from the building's fire pump	Required @ 45m distance apart	Yes, proposed Total 13 nos. @ 45 m c/c Certified that if re mighting Scheme is
42	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?	Required as per NBC - 2016 clause 4.4.2.5(b) & E2, the pressure difference for staircase and lift well shall be 50 Pa. The pressure difference for lift lobby shall be between 25 Pa and 30 Pa	as per N.B.C. Part-IV, revised 2018
43	Has the lift shaft(s) lift lobby or stair wall been pressurized?	Required as per NBC 2016,	All Lift wells are pressurized @ 50 Pa. Staircase are pressurized @ 50 Pa. only in basements however Staircase at upper floor are naturally ventilated.Exce ST 05 & 10 All the lift lobbies in basement are enclosed and pressurizatio has been planned for lobbies, however , lift lobbies are opene at lower ground floor and above so , pressurization are not given Detail calculation has been provided in Fire report.
2		· · · · · · · · · · · · · · · · · · ·	Staircase 1-1 No. 17000 CFM Axial Fan
			Staircase 2-1 No. 17000 CFM Axial Fan
-			Staircase 3-1 No. 17000 CFM Axial Fan
			Staircase 4-1 No. 17000 CFM Axial Fan
_			Staircase 5-1 No. 21000 CFM Axial Fan
-			Staircase 6-1 No. 17000 CFM Axial Fan
_			Staircase 8-1 No. 17000 CFM Axial Fan
_			Staircase 9-1 No. 17000 CFM Axial Fan
_			Staircase 10-1 No. 19000 CFM Axial Fan
			Fire Lift Well-1-1 No. 15000 CFM Axial Fan
			Fire Lift Well-2-1 No. 15000 CFM Axial Fan
			P. Lift Well - 1-1 No. 14000 CFM Axial Fan
			P. Lift Well - 2-1 No. 14000 CFM Axial Fan
	Sang Day		P. Lift Well - 3-1 No. 15000 CFM Axial Fan
13	A-122.	GIAN P. MAT	Fire Lift Well-3-1 No. 14000 CFM Axial Fan
Acres a	101225 (ST	B. Arch. M.C.A. CA No. 80/57 Architect	ITECT For Peerage Buildwell Pvt Ltd

S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
÷			Fire Lift Well-4-1 No. 16000 CFM Axial Fan
44	Have the lift lobbies and staircases been effectively enclosed to prevent fire/smoke entering them from outside at any floor ?	Required	Fire Lift Well-5-1 No. 16000 CFM Axial Fan An menin topoles in disement and enclosed and pressonzation has been planned for lobbies, however , lift lobbies are opened at lower ground floor and above so , pressurization are not given Lift Lobby-Fire- 1 No. 27000 CFM Axial Fan Lift Lobby-Fire & Passanger 1 No. 27000 CFM Axial Fan Lift Lobby-Near ST 2 -1 No. 27000 CFM Axial Fan Lift Lobby-Near ST 3 -1 No. 27000 CFM Axial Fan Lift Lobby-Near ST 3 -1 No. 27000 CFM Axial Fan Lift Lobby-Near ST 4 -1 No. 27000 CFM Axial Fan Lift Lobby-Near ST 5 -1 No. 27000 CFM Axial Fan
45	Have all exits and directions of travel to each exit been sign posted with illuminated signs?	Required	Yes provided
୍ତ	Has a false ceiling been provided in any Public portion of the building ?if so, please indicate location,Gap,Fire system above false ceiling and also mention if the material used for the false ceiling is combustible on non- combustible.	Required	False celling has been provided is all public corridor, toilet area lift lobbies and multiplex and as the gap between slab and false celling is more than 800 mm sprinkler & detector will be provided in void / above false celling and the material used for false celling will be non-combustible material.
47	Is the building centrally air conditioned?	As specified	No, centrally Water-cooled chilled water system shall be provided for foyer & Multiplex only. Restaurant & retail area shall be provided with Individual water cooled DX units and common areas are naturally ventilated
	a. The material used for construction of ducts and its fittings.	As specified	G.I. Sheets
	<li>b. The type of lining used for ducts if any.</li>	As specified	Glass Woll Der IV.B.C. Part-IV, revised 2016
	c. Type of lagging used, if any for insulating any portion of the duct, please also indicate how the lagging is secured.	As specified	Yes Proposed (Class Wool)
	d. If false ceiling is provided please give information as at 46 above.	Fire & life safety Part - 4 Annex - C	False ceiling has been provided is all public donided teilet area lift lobbies and auditorium and as the gap between slab and false ceiling is more than 800 mm sprinkler will be provided in void / above false ceiling and the material used for false ceiling will be non-combustible material.
	e. If plenum is used as return air passage has it been protected with fire detectors? Please give details	As specified	Return air through ceiling void.
	f. Has a separate AHU been provided for each Floor ?	As specified	Separate AHU shall be provided for foyer & auditorium, Restaurant & retail area shall be provided with Individual water cooled DX units.
	g. Is the ducting for each floor effectively isolated or is it continuous on more than on floors ?	As specified	Yes, ducting is isolated.



GIAN P. MATHUR ARCHITECT B. Arch., M.C.A. I.I.A CA No. 80/5769

For Peerage Buildwell Pyt Ltd 0 rlead Olemater

(Fire, Electrical Ventilation Consultants)

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
48	Where are the switchgear and transformers located, If in side the building, please indicate.	Fire & life safety Part - 4 Annex - C Clause - 1 .16 ©	11 KV Transformers (Dry Type), HT panel & LT panel are placed inside the building at 1st Basement . DG Set locaton is provided in 2nd basement due to requirement of double height area but direct access has been provided through staircase

# Certified that fire Fighting Scheme is ac per\_N.B.C. Part-IV, revised 2016

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(Fire, Electrical Ventilation Consultants)

### GIAN P. MATHUR ARCHITECT B. Arch., M.C.A. I.I.A CA No. 80/5769

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
0	a. 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?	As per NBC, when transformers housed inside the building, the transformer shall be of dry type and shall be cut off from the other portion of premises by walls/ door / cutout having fire resistance rating of 4 hr.	LT/HT Panel &Transformer Room are housed in basement with fire rated door (2 Hour Rated) & fire rated wall (4 Hour Rated)
	<ul> <li>b. What precautions have been taken to prevent a possible fire in the transformer(s) from spreading</li> </ul>	Required as per NBC-IV Planning of Electrical Equipment take all reasonable precautions to minimize the risk of fire associated with the equipment & sand bucket.	2 sets of Trolly Mounted 1-No. CO <sub>2</sub> Gas Type capacity 22.5 kg + 1 No 60 ltr Mechanical Foam Type (AFFF) fire extinguishers are proposed near DG area. Gas flooding system (Cléan Agent Fire Suppression system) has been provided for LT panel & HT panel and 2 Nos. 4.5 Kg CO <sub>2</sub> gas type fire extinguishers shall be provided for LT and lift panels. Ceiling Mounted Modular type fire extinguishers shall be provided for transformer.
49	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 resistive material.	All shafts to be sealed at every floor.	Yes, shall be sealed /plugged with non-combustible, fire resistive material.
50	Ventilation		
	Whether the building is relied on natural ventilation, if so give details.	N/A	Atrium & corridors at upper floors are naturally ventilated from ground floor to terrace through railing and parapett wall. Staircase is natural ventilation through openable window, which has exposed wall.
b	Whether mechanical ventilation has been proposed ? If so give details of the proposed system indicating the number of air changes for the basement and other floors.	Required as per NBC 2016,	Mechanical ventilation for car parking shall be designed @ 6 ACPH in normal case and @ 12 ACPH in case of fire. STP ventilation shall be @ 30 ACPH. PUMP, ESS, PANEL ROOM & SERVICE AREA shall be @ 15 ACPH. Anchor Store shall be @ 12 ACPH. Multiplex shall be @ 12 ACPH.
D.	Whether Mechanical ventilation is coupled with automatic detection system? Please give the detail of system.	Required as per NBC 2016,	Mechanical Ventilation System is coupled with fire alarm panel The fan will be integrated with the help of control module of detection system which shall provide signal for the actuation of the fans as required.
51	Please indicate the number and type of fire extinguishers provided at various locations and arrangement for the maintenance of the extinguishers.	As per NBC – 2016 @200 sqm. Floor area and within radius of 15 m.	Fire extinguishers of suitable type e.g. ABC, ABC Type shall be provided in the building as per NBC norms@200 sqm. Floor area and within radius of 15 m. ABC type 6 kg extinguisher (in HT / t T and meter room) From type trolley mounted extinguisher (in DG room)
52	Please indicate if all fire extinguishers bear the ISI certification mark.	Required	FSO FSO DOPN I
53	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	Yes, training will be provided to the occupants & all the staff members and security guards before the building is occupied



### GIAN P. MATHUR ARCHITECT B. Arch., M.C.A. I.I.A CA No. 80/5769

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S.No.	DESCRIPTION	Requirement as Per NBC 2016	PROPOSED
54	Does an emergency organization exists in the building? If so, please give details and append a copy of the emergency (fire) orders.	Required	Organisation shall be placed at before the building occupancy
55	Has a qualified Fire Officer been appointed for the building - either individually or jointly with other buildings(s)	Required	Yes, Fire officer will be appointed at the time of functioning of building.
56	Is the building protected against lightning? If so, does the lightning protection conform to any code? Please indicate details.	IS 2309 : 1989/ IEC 62561	Conventional lightning protection system as per IS-62305 & as per NBC-2016, volume-2, part-8, clause-11.3.4.
57	Is Fire Tender Movement Road of Minimum 6 mtrs wide duly marked on the Plans around every Tower.	Required	Yes, a fire tender path 6.0 m wide runs throughout the site. With Turning radius of 9 Mtr.
58	Refuge area has been provided ?	As per NBC 2016 clause no6.4.2.2 of part IV. i.e. mini. 10% of gross area for 18mt.	No, the refuge area has not been provided on the floor. The refuge area is required at 18.0mtr. but our terrace (Restaurant terrace) level is 17.250mtr. and the next level is Cinema terrace which level is 23.250mtr.@ 10 % open area proposed at terrace level 17.250 mtr.

Certified that Fre Fighting Scheme is as pecifi.b.C. Part-IV, revised 2016

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