

**QUESTIONNAIRE  
FOR HIGH RISE BUILDINGS  
HARYANA FIRE SERVICE**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Requirement as per NBC 2016 part IV</b>	<b>Proposed</b>
1.	Name of the building	As per sanctioned Drawing.	<b>SOBHA LIMITED.</b>
1 (A)	Classification of the building	As per sanctioned Drawing.	<b>RESIDENTIAL BUILDING (CATEGORY A4)</b>
2.	Address of the building	As per sanctioned Drawing.	<b>PROPOSED BUILDING OF RESIDENTIAL COLONY (UNDER NILP POLICY) AREA MEASURING 11.99.68 ACRES (LICENCE NO. 57 OF 2025 DATED 17/04/2025) SECTOR – 63 A, GURUGRAM.SECTOR – 106, GURUGRAM MANESAR URBAN COMPLEX.</b>
3	Name and address of Builder/Promoter	As per sanctioned Drawing.	<b>SOBHA LIMITED.</b>
4.	Name and address of Owners/Occupiers of Individual Flats.	As per sanctioned Drawing.	<b>SOBHA LIMITED.</b>
5.	Plot area	As per sanctioned Drawing.	<b>48549.250 SQM. (11.9968 ACRES)</b>
6.	Covered area at ground lvl.	As per sanctioned Drawing.	<b>TOWER 3 = 898.565 SQM. TOWER 4 = 859.177 SQM. OWC = 217.494 SQM. CHANGING ROOM = 56.5 SQM. GUARD ROOM 1 &amp; 2 = 18 SQM. (9 SQM + 9 SQM.).</b>
7.	Height of the building		
a)	Overall height	As per sanctioned Drawing.	<b>TOWER 3 = 140.575 M. TOWER 4 = 140.575 M. OWC = 3 M. CHANGING ROOM = 3 M. GUARD ROOM 1 &amp; 2 = 4 M EACH BLOCK.</b>
b)	Height up to the highest occupied Floor (at terrace Lvl.)	As per sanctioned Drawing.	<b>TOWER 3 = 136.075 M. TOWER 4 = 136.075 M. OWC = 4 M. CHANGING ROOM = 4 M. GUARD ROOM 1 &amp; 2 = 4 M EACH BLOCK.</b>
8	Number of Basements (Please indicate level below : below grade in each case)	As per sanctioned Drawing.	<b>3 NOS. BASEMENT UNDER TOWER 3 &amp; 4. 1<sup>ST</sup> BASEMENT LEVEL = - 4.80 M. 2<sup>ND</sup> BASEMENT LEVEL = - 9.00 M. 3<sup>RD</sup> BASEMENT LEVEL = - 13.20 M.</b>

9.	No. of Floors	As per sanctioned Drawing.	<b>TOWER 3 &amp; 4 = G.F. + 42<sup>ND</sup> FLOOR EACH TOWER.</b> <b>OWC = G.F. ONLY.</b> <b>CHANGING ROOM = G.F. ONLY.</b> <b>GUARD ROOM 1 &amp; 2 = G.F. ONLY EACH BLOCK.</b>
10.	Area of Basement	As per sanctioned Drawing.	<b>BASEMENT 1 = 16020.739 SQM.</b> <b>BASEMENT 2 = 18570.731 SQM.</b> <b>BASEMENT 3 = 18348.106 SQM.</b>
11.	Covered Area of Typical Floor (Total)	As per sanctioned Drawing.	<b>TOWER 3</b> <b>1<sup>ST</sup> FLOOR = 685.253 SQM.</b> <b>2<sup>ND</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 37<sup>TH</sup>, 39<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = 745.948 SQM. EACH FLOOR.</b> <b>27<sup>TH</sup> FLOOR = 495.172 SQM.</b> <b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR (REFUGE FLOORS) = 807.739 SQM. EACH FLOOR.</b> <b>TOWER 4</b> <b>1<sup>ST</sup> FLOOR = 627.233 SQM.</b> <b>2<sup>ND</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 37<sup>TH</sup>, 39<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = 803.194 SQM. EACH FLOOR.</b> <b>27<sup>TH</sup> FLOOR = 435.649 SQM.</b> <b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR (REFUGE FLOORS) = 752.308 SQM. EACH FLOOR.</b>
12.	If Basement extended beyond line, please indicate the load bearing strength of the roof of basement.	45 Ton.	<b>45 TON</b>
	Occupancy (Use) please mention separately for basement and Floor)		
(a)	Sanctioned Floors	As per sanctioned Drawing.	<b>1<sup>ST</sup> TO 3<sup>RD</sup> BASEMENT = PARKING &amp; SERVICES EACH BASEMENT.</b>
(b)	Actual Floors	As per sanctioned Drawing	<b>TOWER 3 &amp; TOWER 4</b> <b>G.F. = RESIDENTIAL ROOM, FIRE COMMAND CENTRE. EACH TOWER.</b> <b>1<sup>ST</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = RESIDENTIAL ROOM EACH FLOOR EACH TOWER.</b> <b>27<sup>TH</sup> FLOOR = RESIDENTIAL ROOM, SERVICE EACH TOWER.</b> <b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR = REFUGE AREA, RESIDENTIAL ROOM EACH FLOOR EACH TOWER.</b>
14.	Parking areas	As per sanctioned Drawing	<b>TOWER 3 &amp; TOWER 4</b> <b>G.F. = RESIDENTIAL ROOM, FIRE COMMAND CENTRE. EACH TOWER.</b>

			<b>1<sup>ST</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = RESIDENTIAL ROOM EACH FLOOR EACH TOWER.</b> <b>27<sup>TH</sup> FLOOR = RESIDENTIAL ROOM, SERVICE EACH TOWER.</b> <b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR = REFUGE AREA, RESIDENTIAL ROOM EACH FLOOR EACH TOWER.</b>
15.	Details of surrounding property /features.		
	Compass Direction in Relation to the	Type of Property	Distance from boundary wall
	NORTH	24M WIDE ROAD.	
	SOUTH	24M WIDE ROAD.	
	EAST	24M WIDE ROAD.	
	WEST	OTHER LAND	
16.	Approach to proposed building, width of the road and connecting roads, if any	Required 12 M wide road	<b>24 M WIDE ROAD AND 60 M. WIDE SECTOR ROAD.</b>
17.	Please give details of water available exclusively for firefighting.	Required U.G. Tank 150 KL. + Water Curtain. Required 20 KL. Terrace Tank	<b>YES PROPOSED U.G. FIRE TANK 321 KL.</b> <b>YES PROPOSED 20 KL. TERRACE TANKS.</b>
18.	Has wet riser (s) been provided? If so, please indicate the number of riser and internal dia. of each	Required 150 MM dia Wet Riser @30 M Travel Distance or 50 M C/C. in Part A	<b>YES PROPOSED IN TOWER 3 &amp; 4 = G.F. TO 42<sup>ND</sup> FLOOR = 1 NO. EACH FLOOR EACH TOWER.</b>
19	Has any dry riser been provided? If so, please give details.	N.A.	<b>NOT PROPOSED</b>
20	Has any down-comer been provided? If so, please give details	Required 100 mm dia Down Comer @ 30 m Travel Distance Or 50 M C/C.	<b>NOT PROPOSED BECAUSE WET RISER PROPOSED.</b>
21.	Please indicate the present arrangement for replenishment.	Not Mandatory	<b>YES PROPOSED GOVT SUPPLY/ WATER TANKER SUPPLY INCREASE U.G.TANK</b>
22.	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.	N/A	<b>N/A</b>
23	Please give any other information that you can regarding availability of water supply for firefighting.	Required	<b>YES. DOMESTIC WATER STORAGE TANK (IN CASE OF EMERGENCY).</b>
24.	Have internal hydrants been provided. If so, please indicate:	Required	<b>YES PROVIDED</b>
a)	No. of hydrants on each Floor; Have these hydrants single or twin outlets.	Required @ 30 M Travel Distance or 50 m C/C.	<b>YES PROPOSED TOWER 3 &amp; 4</b> G.F. TO 42 <sup>ND</sup> FLOOR = 1 NO. EACH FLOOR EACH TOWER. TERRACE = 1 NO. EACH TOWER.
b)	No of hydrants on each basement including		

			1 <sup>ST</sup> BASEMENT = 18 NOS. 2 <sup>ND</sup> BASEMENT = 18 NOS. 3 <sup>RD</sup> BASEMENT = 18 NOS. <b>TOTAL INTERNAL HYDRANT = 142 NOS.</b>
25.	Have First Aid Hose Reels been provided? If so, please indicate:	Required	<b>YES PROPOSED</b>
a)	No. of reels on each floor including basement (s)	Required each landing valve	<b>HOSE REEL PROPOSED IN TOWER 3 &amp; 4</b> G.F. TO 42 <sup>ND</sup> FLOOR = 1 NO. EACH FLOOR EACH TOWER. TERRACE = 1 NO. EACH TOWER. 1 <sup>ST</sup> BASEMENT = 18 NOS. 2 <sup>ND</sup> BASEMENT = 18 NOS. 3 <sup>RD</sup> BASEMENT = 18 NOS. <b>TOTAL HOSE REEL = 142 NOS.</b>
b)	Bore and length of hose reel tubing on each reel drum.	Required 19 mm of 36.5 Meter	<b>YES PROPOSED</b>
c)	Size (bore) and type of nozzle fitted to each hose reel.	Required 63 mm G.M. Nozzle	<b>YES PROPOSED</b>
d)	Is the hose reel connected directly to the riser or to the hydrant outlet?	Required Directly Connected to Riser	<b>YES PROPOSED</b>
26	Have fire hose been provided near each hydrant? If so:	Required	<b>YES PROPOSED</b>
a)	The type of hoses	Required RRL Delivery Hose ISI Mark	<b>YES PROPOSED</b>
b)	The size (bore) of hoses	Required 63 mm	<b>YES PROPOSED</b>
c)	The length of each hose.	Required 15 meter	<b>YES PROPOSED</b>
d)	Total number of hoses provided near each hydrant.	Required 2 Nos.	<b>YES PROPOSED</b>
27	Have branch pipes been provided? If so, please indicate:	Required	<b>YES PROPOSED</b>
a)	The type of branch pipes	Required G.M Standard Branch Pipe ISI Mark	<b>YES PROPOSED</b>
b)	The Size of nozzle fitted to each branch.	Required 63 mm	<b>YES PROPOSED</b>
28 (A)	Is the Basement used for car parking or storage has it been sprinkler?	Required if the area more than 200 Sqm.	<b>YES PROPOSED 3<sup>RD</sup> BASEMENT TO 1<sup>ST</sup> BASEMENT USED FOR PARKING &amp; SPRINKLER SYSTEM PROPOSED IN EACH BASEMENT</b>
b)	Whether segregation/ compartmentalization of the basement has been provided. If so please detail)	Required if the basement area more than 3000 sq.m	<b>NOT PROPOSED</b>
29.	Is the building equipped with automatic fire detection and alarm (AFA) system?	Required	<b>YES PROPOSED</b>
a)	The type of detectors used	Required Smoke & Heat Detector	<b>SMOKE DETECTOR PROPOSED IN EACH FLOOR IN EACH TOWER INCLUDING EACH BASEMENT</b>

b)	The standard to which	Required IS 5839	<b>YES PROPOSED</b>
c)	The code to which the installation confirms.	Required IS:2175 IS:2189.	<b>YES PROPOSED IS : 2175 &amp; 2189.</b>
30.	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 part -4	<b>YES PROPOSED</b>
31.	Have public address system been installed in the building with loudspeakers on each floor?	Required as Per NBC part -4	<b>YES PROPOSED</b>
32	Has an intercom system been provided between the various floors and the fire control room in entrance lobby?	Required as Per NBC part -4	<b>YES PROPOSED</b>
33	Has fire control room been provided between the various floors and the fire control room in the entrance door	Required Near Entrance of Building. Required Minimum 16 Sqm.	<b>YES PROPOSED FIRE COMMAND CENTRE IN G.F. IN TOWER 3 &amp; 4. SIZE = 3.60 M X 3.60 M = 12.96 SQM. EACH TOWER.</b>
34	How many staircases have been provided in the building? Please indicate in each case :	Required minimum 2 Nos If Area more than 500 Sqm.	<b>UPPER FLOOR TOWER 3 G.F. TO TERRACE LEVEL = 2 NOS. TOWER 4 G.F. TO TERRACE = 2 NOS. BASEMENT FLOOR 3<sup>RD</sup> BASEMENT TO 1<sup>ST</sup> BASEMENT = 11 NOS.</b>
a)	The width of the staircase	Required 1250 mm wide	<b>1250 MM WIDE EACH.</b>
b)	The width of treads	Required 300 mm wide	<b>300 MM WIDE EACH STAIRCASE.</b>
c)	Riser of the staircase	Required 150 mm wide.	<b>150 MM WIDE EACH STAIRCASE.</b>
d)	If the treads are of the non-slip type.	Required	<b>ANTI-SKID TYPE WITHOUT POLISHED/SAND BLAST.</b>
35	What is the average occupant load per floor?	Residential Building = 12.5 Sqm. per Person.	<b>TOWER 3 G.F. = 898.565/12.5 = 72 PER PERSON. 1<sup>ST</sup> FLOOR = 685.253/12.5 = 55 PER PERSON. 2<sup>ND</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 37<sup>TH</sup>, 39<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = 745.948/12.5 = 60 PER PERSON EACH FLOOR. 27<sup>TH</sup> FLOOR = 495.172/12.5 = 40 PER PERSON. 19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR (REFUGE FLOORS) = 807.739/12.5 = 65 PER PERSON EACH FLOOR. TOWER 4 G.F. = 859.177/12.5 = 69 PER PERSON.</b>

			<p><b>1<sup>ST</sup> FLOOR</b> = 627.233/12.5 = 50 PER PERSON.</p> <p><b>2<sup>ND</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 37<sup>TH</sup>, 39<sup>TH</sup> TO 42<sup>ND</sup> FLOOR</b> = 803.194/12.5 = 64 PER PERSON EACH FLOOR.</p> <p><b>27<sup>TH</sup> FLOOR</b> = 435.649/12.5 = 35 PER PERSON.</p> <p><b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR (REFUGE FLOORS)</b> = 752.308/12.5 = 60 PER PERSON. EACH FLOOR.</p>
36	How many lifts have been installed in the building? Please indicate in each case:	Required Minimum 1 Number.	<b>TOWER 3 &amp; 4 = 6 NOS EACH TOWER.</b>
a)	The Floors between which the lift run.	<b>Tower 3 &amp; 4</b> G.F. To Terrace Level = 6 Nos. Each Tower.	<b>TOWER 3 &amp; 4</b> G.F. TO TERRACE LEVEL = 6 NOS. EACH TOWER.
b)	The type of door fitted to the lift car and at each landing.	S.S. Sliding type center opening automatic.	<b>S.S SLIDING TYPE CENTER OPENING AUTOMATIC.</b>
c)	Fire resistance rating of lift car and landing doors if known.	Car Lift = 1 Hr. Lift Well = 1/2 Hr.	<b>CAR LIFT = 1 HR.</b> <b>LIFT WELL = 1 HR.</b>
d)	Floor area of the lift car.	Minimum 1.4 sqm. per Lift.	<b>TOWER 3 &amp; 4</b> 2250 M X 2500 MM = 6 NOS. EACH TOWER.
e)	Loading capacity of each lift car.	Sufficient for 8 passengers	<b>780 KG (12 PASSENGER)</b>
f)	Has communication system been installed in the lift for car?	Required	<b>YES</b>
g)	Has a "Fireman's" switch been installed in the lift for grounding it in the event of fire?	Required	<b>YES</b>
37	Have any stationary fire pump(s) been installed for pressurizing the wet riser? If so, please indicate:	Required	<b>YES</b>
a)	The number of pumps	Required 7 Nos. pumps.	<b>PROPOSED 7 NOS PUMP.</b>
b)	The size of suction and delivery of each pump	200/150 = main pump - 1 no. 200/150 = diesel pump - 2 no. 200/150 = sprinkler pump- 1 no. 100/100 = jockey pump - 2 nos. As per calculation =water curtain pump – 1 no.	<b>200/150 = MAIN PUMP - 1 NO.</b> <b>200/150 = DIESEL PUMP – 2 NO.</b> <b>200/150 = SPRINKLER PUMP – 1 NO.</b> <b>100/100 = JOCKEY PUMP – 2 NOS.</b> <b>100/100 = WATER CURTAIN PUMP – 1 NO.</b>
c)	The output of each pump	2850 LPM = main pump - 1 no. 2850 LPM = diesel pump - 2 no. 2850 LPM = sprinkler pump- 1 no.  180 LPM = jockey pump - 2 nos. As per calculation = water curtain pump – 1 no.	<b>2850 LPM = MAIN PUMP - 1 NO.</b> <b>2850 LPM = DIESEL PUMP – 2 NO.</b> <b>2850 LPM = SPRINKLER PUMP – 1 NO.</b> <b>180 LPM = JOCKEY PUMP – 2 NOS.</b> <b>1620 LPM = WATER CURTAIN PUMP – 1 NO.</b>

	The maximum head against which the pump can operate at the output mentioned at (c).	Required As per Building height minimum 3.5 kg Pressure at Terrace Level.	<b>70 M HEAD EACH PUMP &amp; 56 M HEAD FOR WATER CURTAIN PUMP.</b>
e)	Is the pump automatic in action?	Required	<b>YES PROPOSED</b>
38	Has a standby source of power supply been provided ?If it is through a generator, please indicate:	Required	<b>YES PROPOSED</b>
a)	The capacity (output)	Required	<b>500 KV – 2NOS.</b>
b)	The functions that can be maintained simultaneously by the use of generator, such as operating lift(s) fire pumps emergency lighting etc.	Required	<b>YES PROPOSED LIFT , FIRE PUMP &amp; EMERGENCY LIGHTING AND PRESSURIZATION FAN.</b>
c)	Is the generator automatic in action or has to be started manually?	Required	<b>YES PROPOSED</b>
39	Has any yard hydrant been provided from the building's fire pump?	Required Yard Hydrant @ Less Than 45 M C/C.	<b>YES PROPOSED YARD HYDRANT 15 NOS @LESS THAN 45 M C/C.</b>
40	Where more than one lifts are installed in a common enclosure, have individual lifts been separated by fire resisting walls or 2 hours fire rating?	Required	<b>YES PROPOSED</b>
41	Has the lift shaft (s), lift lobby or stairwell been pressurized?	Required Lift Shaft = 50 Pascal.  Required Lift Lobby = 30 Pascal.  Required Staircase = 50 Pascal.	<b>EACH LIFT WELL FULLY PRESSURIZED 50 PASCAL IN EACH TOWER.</b>  <b>EACH LIFT LOBBY FULLY PRESSURIZED 30 PASCAL IN EACH TOWER.</b>  <b>EACH STAIRCASE FULLY PRESSURIZED 50 PASCAL IN EACH TOWER.</b>
42	Have the lift lobbies and staircases been effectively enclosed to prevent fire/smoke entering them from outside at any floor?	Required	<b>YES PROPOSED</b>
43	Have all exists and direction of travel to each exit been sign-posted with illuminated signs?	Required As per NBC Part-4	<b>YES SELF ILLUMINATED SIGNAGES.</b>
44	Is the building centrally air-conditioned? If so, please indicate.	As Specified	<b>YES PROPOSED.</b>
a)	The material used for construction of ducts and its fittings.	As Specified	<b>GSS RECTANGULAR DUCTING COMPLETE WITH FITTINGS, FLANGES, BRACINGS, SUPPORTS, ALL ACCESSORIES OF SAME MATERIAL AS PER SMACNA</b>

b)	The type of lining used for ducts, if any	As Specified	DUCT AUCOSTIC LINING THICKNESS OF 25 MM WITH CROSS LINKED POLYETHYLENE (XLPE) CLASS O (FIRE RATED).
c)	The type of lagging used, if any for insulating any portion of the duct; Please also indicate how the lagging is secured.	As Specified	FIRE RATED CLOSED CELL ELASTOMERIC INSULATION CLASS 'O' AS PER BS 476 MATERIAL SHALL BE FIXED TO THE DUCTS WITH SR998 ADHESIVE.
d)	If false ceiling is provided, please given information as at 43 above.	As Specified	GYPROC SELF-SUPPORTED FIRE RATED CEILING 2 HOUR 227MM THICK COMPRISING OF 3 LAYERS GYPROC FIRELINE® 15MM AT THE UNDERSIDE AND 2 LAYERS ON TOP, BOARDS ARE LAID STAGGERED TO OPPOSITE LAYER AND FIXED USING DRYWALL SCREWS AT MAX. 200MM CENTRES TO BOTH SIDES OF FRAMING SYSTEM FORM BY GYPFRAME® C-STUD 150MM (BMT=0.75MM, ZINCALUME STEEL) SPACE AT NOMINAL 610MM INTERVALS, SECURED TO PERIMETER WALL USING GYPFRAME® U-TRACK 152MM (BMT=0.75MM, ZINCALUME STEEL) . CROSS BRACE OF GYPFRAME® NOGGING TRACK 152MM (BMT=0.75MM, ZINCALUME STEEL), AT MID SPAN. TO TRUE CEILING BETWEEN HEIGHT IS LESS THAN 800 MM.
e)	If plenum is used a return air passage has it been protected with fire detectors? Please give details.	As Specified	NO PLENUM USED RETURN AIR THROUGH VOID IN CEILING PROTECTED WITH SMOKE DETECTORS AS PER I.S. 11360-1985
45	Is the ducting for each floor? Is the ducting for each floor effectively isolated or is it continuous on more than floors?	As Specified	YES ISOLATED
46	Where are the switchgear and transformers located? If inside the building, please indicate:	Required	SWITCHGEAR AND TRANSFORMER OUTSIDE THE BUILDING
a)	If the switchgear and transformers have been housed in separate compartments, effectively separate from each other and from other portions of the buildings by a four hours, fire resistive wall?	Required	YES PROPOSED.

b)	What pre-cautions have been taken to prevent a possible fire in the transformers from spreading?	Required	<b>1) GAS FLOODING SYSTEM IN LT PANEL AND LIFT PANEL.</b> <b>2) 22.5 KG ABC FIRE EXTINGUISHER FOR LT ROOM.</b> <b>3) 20 LTRS. AFFF FOARM TROLLY BASED FIRE EXTINGUISHER FOR TRANSFORMER AND D.G. SET. LT PANEL &amp; D.G. SET IN 1<sup>ST</sup> BASEMENT IN PART A TRANSFORMER, HT &amp; D.G. SET OUTSIDE THE BUILDING.</b>
47	Where electrical cables, telephone cables, dry/wet risers/down comers pass through a floor or wall have the spaces (apertures) around the cables/pipes been effectively sealed/plugged with non-combustible, fire-resistant material?	Required	<b>ELECTRICAL CABLES, TELEPHONE CABLES, DRY/WET RISERS/DOWN COMERS PASS THROUGH A FLOOR OR WALL HAVE THE SPACES (APERTURES) AROUND THE CABLES/PIPES BEEN EFFECTIVELY SEALED/PLUGGED WITH NON-COMBUSTIBLE, FIRE-RESISTANT MATERIAL.</b>
48	Is the building Sprinkler.	Required	<b>SPRINKLER SYSTEM PROPOSED IN EACH FLOOR INCLUDING EACH BASEMENT IN PART A. SPRINKLER SYSTEM PROPOSED IN BASEMENT IN PART B.</b>
49	Ventilation-		
a)	Whether Natural ventilation is relied upon? If so, give detail of the vents for the stairwell lift lobby and lift shaft	Required	<b>NOT PROPOSED BECAUSE EACH STAIRCASE, LIFT WELL, LIFT LOBBY ARE FULLY PRESSURIZED.</b>
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.	Required	<b>MECHANICAL VENTILATION PROPOSED IN EACH FLOOR 12 ACPH IN EACH TOWER. MECHANICAL VENTILATION PROPOSED 12 ACPH IN EACH BASEMENT IN EACH TOWER.</b>
c)	Whether mechanical ventilation is coupled with automatic detection system ? Please give details of the system.	Required	<b>YES PROPOSED</b>
50	Please indicate the number and type of fire extinguishers provided at various locations and the arrangement for the maintenance of the extinguishers	Required @200 Sqm Or 15 M C/C.	<b>4 KG ABC &amp; 4.5 CO2 EXTINGUISHER PROPOSED TOWER 3</b> <b>G.F. = 4 SET</b> <b>1<sup>ST</sup> FLOOR = 3 SET</b> <b>2<sup>ND</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 37<sup>TH</sup>, 39<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = 4 SET EACH FLOOR.</b> <b>27<sup>TH</sup> FLOOR = 3 SET.</b>

			<p><b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR (REFUGE FLOORS) = 4 SET. EACH FLOOR.</b></p> <p><b>TOWER 4</b></p> <p><b>G.F = 4 SET.</b></p> <p><b>1<sup>ST</sup> FLOOR = 3 SET.</b></p> <p><b>2<sup>ND</sup> TO 18<sup>TH</sup>, 20<sup>TH</sup> TO 26<sup>TH</sup>, 28<sup>TH</sup>, 30<sup>TH</sup> TO 37<sup>TH</sup>, 39<sup>TH</sup> TO 42<sup>ND</sup> FLOOR = 4 SET. EACH FLOOR.</b></p> <p><b>27<sup>TH</sup> FLOOR = 2 SET.</b></p> <p><b>19<sup>TH</sup>, 29<sup>TH</sup>, 38<sup>TH</sup> FLOOR (REFUGE FLOORS) = 4 SET EACH FLOOR.</b></p> <p><b>BASEMENT 1 = 80 SET.</b></p> <p><b>BASEMENT 2 = 90 SET.</b></p> <p><b>BASEMENT 3 = 92 SET.</b></p>
51	Please indicate if all fire extinguishers near the ISI certification mark.	Required	<b>YES (IS:15683)</b>
52	Are the occupants of the building systematically trained in fire prevention, use of fire extinguishers If so, please give details.	Required	<b>WILL BE TRAINED AFTER OCCUPIED THE BUILDING.</b>
53	Does an emergency organization exit in the building? If so, please given details and append a copy of the emergency (Fire) orders.	Required	<b>WILL BE PREPARE AFTER OCCUPIED THE BUILDING.</b>
54	Has a qualified Fire Officer been appointed for the building either individually or jointly with other building(s).	Required	<b>YES WILL BE APPOINTED AFTER OCCUPIED THE BUILDING.</b>
55	Has the building been protected against lightening? If so, does the lightening protect confirm to any code? Please indicate details	Required	<b>YES PROPOSED (IEC 62305)</b>
56	Whether Fire Movement Road around the building has been provided/duly mark in the drawings	Required 6 M Wide Motor Able Fire Tender Moment Road & 9 M Turning Radius.	<b>YES, PROPOSED 7.5, 8 M WIDE MOTORABLE FIRE TENDER MOMENT ROAD &amp; 9 M TURNING RADIUS.</b>
57	Whether the refuge area has been provided? If so the floor on which provided and the total area provided floor - wise	Required at 60 M & above.	<p><b>YES PROPOSED IN TOWER 3</b></p> <p><b>19<sup>TH</sup> FLOOR</b></p> <p>LEVEL = 60.495 M.</p> <p>AREA = 37.412 SQM.</p> <p><b>29<sup>TH</sup> FLOOR</b></p> <p>LEVEL = 91.975 M.</p> <p>AREA = 37.412 SQM.</p> <p><b>38<sup>TH</sup> FLOOR</b></p> <p>LEVEL = 120.325 M.</p> <p>AREA = 37.412 SQM.</p> <p><b>TOWER 4</b></p> <p><b>19<sup>TH</sup> FLOOR</b></p>

			LEVEL = 60.495 M. AREA = 35.838 SQM. <b>29<sup>TH</sup> FLOOR</b> LEVEL = 91.975 M. AREA = 35.838 SQM. <b>38<sup>TH</sup> FLOOR</b> LEVEL = 120.325 M. AREA = 35.838 SQM.
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