

PROJECT: PROPOSED BUILDING PLAN OF AFFORDABLE GROUP HOUSING COLONY AREA MEASURING 9.103 ACRES (**LICENCE NO.- 17 of 2020, dated: 17.07.2020**) IN REVENUE ESTATE OF VILLAGE, GADOLI KALAN, SECTOR-37D, GURGAON BEING DEVELOPED BY LALWANI BROTHERS BUILDCON LLP IN COLLABORATION WITH STERNAL BUILDCON PVT LTD.

	can operate at the output Pressure mentioned at (c)	pressure @3.5Kg/cm ² at terrace level	PART-2: 120 M. Head (For Pump Room 2_Part-2) 35 M. Head (For Community & Aanganwadi) PART-3: 35 M Head (For Commercial 2_Part 3)
	e. Is the pump automatic in action?	As per NBC 2016, (Part iv), Table 7 Required	Yes, Automatic
40.	Has a standby source of power supply been provided? If it is through a generator, please indicate	As per NBC 2016, (Part iv), Table 7 Required	Yes, Diesel generator will be provided
	a. The capacity (output)	Required	1 Set of 500 KVA (For Fire Pump, Pump Room Ventilation, Common Lighting, FA System etc. Common for both Part 1 & 2)
	b. The functions that can be maintained simultaneously by the use of generator, such as operating lift(s), fire pumps, emergency lighting etc.		Operations of emergency Fire Pumps, Emergency Lighting, Lifts etc.
	c. Is the generator automatic in action or has to be started manually ?	Required	Automatic
41.	Has any yard hydrant been provided from the building's fire pump	As per NBC 2016, (Part iv), Table 7 Required at 45m distance from each other	PART-1: Provided 18 Nos. for UGT-1 at maximum 45m distance c/c. PART-2: Provided 7 Nos. for UGT- 2 at maximum 45m distance c/c PART-3: Not Required.
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	No such case is in all proposed plan of towers & commercial.
43.	Has the lift shaft(s) lift lobby or stair wall been pressurized?	Required as per NBC – 2016 , part – 4, Table 6 Notes	Lift Lobbies & Stairwells are Cross Ventilated. Lift Wells are pressurized.
44.	Have the lift lobbies and staircases been effectively enclosed to prevent fire/smoke entering them from outside at any floor?	Required as per NBC – 2016 , part – 4,	N/A As staircase and lift lobby are cross ventilated. Commercial – N/A Community – N/A

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45.	Have all exits and directions of travel to each exit been sign posted with illuminated signs?	Required as per NBC – 2016 , part – 4, Cl. – 3.4.7.4	Yes, Provided.
46.	Has a false ceiling been provided in any Public portion of the building? If so, please indicate location, Gap, Fire system above false ceiling & also mention if the material used for the false ceiling is combustible on non-combustible.	Non-Combustible	Not Applicable. However, Fire provisions shall be Installed if False Ceiling voids exceeding 800 mm in height.
	Is the building centrally air conditioned?		No
	a. The material used for construction of ducts and its fittings.		NOT APPLICABLE
	b. The type of tinning used for ducts if any.		NOT APPLICABLE
	c. Type of lagging used, if any for insulating any portion of the duct, please also indicate how the lagging is secured.		NOT APPLICABLE
	d. If false ceiling is provided please give information as at 43 above.		NOT APPLICABLE <i>Fire Fighting Scheme (Above 15Mtr. Height) Approved vide Letter No. ...</i>
	e. If plenum is used as return air passage has it been protected with fire detectors? Please give details		NOT APPLICABLE <i>FSO Gurugram</i> <i>Sumit Gurugram</i> <i>ADFO Gurugram</i>
	f. Has a separate AHU been provided for each Floor?		NOT APPLICABLE
	g. Is the ducting for each floor effectively isolated or is it continuous on more than on floors ?		NOT APPLICABLE
48	Where are the switchgear and transformers located, If inside the building, please indicate.		Outside the building at ground level.




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	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?	NBC (Part 4) Clause 5.1.6	Yes, 6m clear distance from the building and sub-station. Transformer shall be Oil type.
	b. What precautions have been taken to prevent a possible fire in the transformer(s) from spreading		L.T., H.T. & Transformer has not been provided in the building. CO2 gas type. 6.5 kg. cap. -Trolley mounted 4 nos. & D.C.P. gas cartridge type 5 KG.capacity 4nos.
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 as per NBC (Part 4) clause 3.4.5.4	Separate Shaft/ Duct have been provided for Cables and sealed in all Part 1, 2 & 3.
50.	Ventilation		
a	Whether the building is relied on natural ventilation, if so give details.		Lift Lobbies & Stairwells are Cross Ventilated. Lift Wells are pressurized.
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.		WTP = 22.5 air changes STP = 30 air changes (Excluding Tank Area)
c	Whether Mechanical ventilation is coupled with automatic detection system? Please give the detail of system.		N/A <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  FSO Gurugram </div> <div style="text-align: center;">  FSO Gurugram </div> <div style="text-align: center;">  ADFO Gurugram </div> </div>

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51.	Please indicate the number and type of fire extinguishers provided at various locations and arrangement for the maintenance of the extinguishers.	Required as per NBC – 2016 , part – 4, Cl. – J 9.1.2 (a)	Set of one number 4.5 Kg CO2 Gas type + One number 6 kg. ABC powder type fire extinguishers for each floor shall be provided at appropriate locations in Tower T1 to T9 and Commercial 1 of Part 1, Tower T10 to T11 and Community of Part 2 and Commercial 2 of Part 3. HT & LT panel room = CO2 gas type. 6.5 kg. cap. -Trolley mounted & D.C.P. gas cartridge type 5 KG.capacity.
52.	Please indicate if all fire extinguishers bear the ISI certification mark.		All fire extinguishers shall be ISI certification mark
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.	Training to be provided to the occupants NBC (Part 4) Clause 4.11	Yes, Occupants will be trained through fire drill & training to be provided by all the members and staff after completion of projects.
54.	Does an emergency organization exits in the building? If so, please give details and append a copy of the emergency (fire) orders.	Yes	Yes, Shall be created after completion and at operation stage.
	Has a qualified Fire Officer been appointed for the building - either individually or jointly with other buildings(s)	Yes, required as per NBC (Part 4) Clause 4.10.1	Yes, Fire officer shall be appointed after completion.  FSO: Gurugram FSO: Gurugram FSO: Gurugram
56.	Is the building protected against lightning? If so, does the lightning protection conform to any code? Please indicate details.	Yes, required as per NBC (Part 8)	As per IS : 62305-1/2/3/4 (2010) (As per NBC (Part-8) S.No. 11)


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57.	Is Fire Tender Movement Road of Minimum 6M wide duly marked on the Plans around every Tower?	Required as per NBC – 2016 , part – 3, Cl. – 4.6 (c,d)	Yes, It has been marked in the site plan.
58.	Whether refuge are in proposed if so give details	Not Required as per NBC – 2016 , part – 4, ANNEX – E 4	N/A
59.	Is Building sprinklered?	Required in superstructure if height exceeds 45 m	<p>PART-1: Provided in Tower 1 & Commercial 1 which is above 15 M. in height.</p> <p>PART-2: Provided in Tower 10 & 11.</p>

Fire Fighting Scheme (Above 15Mtr. Height)
Approved vide Letter No. Dt.


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