

1. HYDRANT SYSTEM:

ON/OFF switches located near the hose reel hose or hydrant outlet, at each floor the main Fire Pump at the underground water tank with a capacity to discharge 500 liters per minute at 3 bar pressure as measured at the terrace level should be installed.
The riser for the buildings exceeding 18 meters and above 18 meters height should not be of less than 100 mm. internal diameter. The riser should be connected to the bottom of the terrace tank with a stop valve and a NRV to act as a Down - corner.
One riser is required for every 100sq. meters floor area and if the building is divided into two or more parts then each part should have a separate riser with all the fittings at floor level.
One hydrant outlet with a coupling for attaching a 63 mm dia hose & 25 mm bore hose reel hose with 6 mm. SS shut-off nozzle at each floor landing. The length of the hose reel hose should be enough to reach the farthest corner of the floor. Hose box with 15 meters long 63mm. dia hose and 12.5 mm. bore nozzle at alternate floors. The Hose-reel hose should be coupled to the riser.
Fire-service inlet should be installed at a point near the entry to the premises where a Fire service vehicle can approach easily.
A permanent hydrant point comprising of 50 mm dia size 2nos of hydrant valves should be installed at the terrace level.
Overhead tank Refilling bypass connection should be done at the terrace level.
The Overhead tank shall be of a capacity of not less than 20,000 liters. The Underground tank shall be of not less than 1,00,000 liters.

2. FIRE LIFT:

The Fire-Lift and all the lifts should have a provision to ground automatically in case of electricity failure. Each building should have at least one lift as a Fire-Lift and if the building is divided into two or more parts then each part should have a Fire-Lift. Lift-well should have blowers to pressurize the lift well so connected that it will automatically operate when alarm call point is operate, so that it prevents the lift well getting smoke logged.

3. FIRE ALARM:

Fire alarm call point to be installed at each floor with sounders capable of being heard all throughout the building.

4. FIRE EXTINGUISHERS

One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark, and one extinguisher of 5kg Dry Chemical Powder (DCP) type extinguisher with ISI mark to be installed on each floor in case of commercial building.
One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. with ISI mark, OR Two Carbon Dioxide (CO2) type extinguisher of 2 kg. with ISI mark capacity on alternate floors in case of residential building.
If the building is divided into two or more parts then each part should have these extinguishers installed.

5. STAIRCASE:

The staircase has to be open from at least one or two sides but if the staircase is in the centre core of the building it has to be pressurized to prevent it from getting smoke logged.

6. BASEMENT:

The basement of 200 sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for actual Car parking space.
Additionally be protected by a Hydrant outlet and 25 mm. bore Hose-reel hoses with 6 mm. bore nozzles at each basement level.

7. LIGHTNING ARRESTER:

A lightning arrester should also be installed and be properly earthed to prevent damage to the building when the lightning strikes.

8. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES:

If the building falls in a confined area or if it has an enclosed staircase or is not well lit-up on the inside, then adequate photo luminescent (auto glow) signage should be displayed at each floor / landing / gateway / dead-end along all exit routes leading to the ground level. The signage should indicate fire fighting, fire safety equipment present on the respective floor/landing/pathway/dead-end and along all exit routes leading to the ground level.

9. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE-SAFETY SYSTEM

Electricity supply to the fire pump, fire alarm system, staircase pressurization system and fire lift should be made available from the main Electrical supply (i.e. from Electrical power supply of the company) This is to ensure availability of power supply to the fire protection & Safety system even after the main electrical supply to the building is switched off at the time of fire.

10. INDIVIDUAL FIRE SFTY SYSTEM

FIRE SFTY SYSTEM SHOULD BE PROVIDED IN INDIVIDUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:

After inspection of a low-rise building by the fire service authority, if the fire officer concerned feels in need for additional fire prevention/protection measures / ventilation system required or equipment (i.e. Passive system / Suppression system / Fire door / Window / Detection system / Active system / Sprinkler / Drencher etc.) as per Fire load / Fire risk / Public gathering.
Potential / Occupancy / Confined area, those additional measures / equipment have to be implemented / installed.

BUILT UP AREA TABLE		IN SQ.MTS.	
	BLOCK-A	BLOCK-B	TOTAL
BUILT UP AREA ON BASEMENT	2275.26	---	2275.26
BUILT UP AREA ON GR. FL. (H.P.)	422.29	425.15	847.44
BUILT UP AREA ON 1st FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 2nd FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 3rd FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 4th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 5th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 6th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 7th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 8th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 9th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 10th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 11th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 12th FLOOR	422.29	425.15	847.44
BUILT UP AREA ON 13th FLOOR	242.77	244.54	487.31
BUILT UP AREA ON STAIR CABIN	66.83	66.98	133.81
BUILT UP AREA ON L.M.R. & O.H.W.T	39.26	39.26	78.52
BUILT UP AREA ON CLUB HOUSE	---	73.38	73.38
TOTAL BUILT UP AREA	8113.89	5337.11	14071.00

F.S.I. AREA TABLE		IN SQ.MTS.	
	BLOCK-A	BLOCK-B	TOTAL
F.S.I. AREA ON 1st FL.	341.12	343.78	684.90
F.S.I. AREA ON 2nd FL.	341.12	343.78	684.90
F.S.I. AREA ON 3rd FL.	341.12	343.78	684.90
F.S.I. AREA ON 4th FL.	341.12	343.78	684.90
F.S.I. AREA ON 5th FL.	341.12	343.78	684.90
F.S.I. AREA ON 6th FL.	341.12	343.78	684.90
F.S.I. AREA ON 7th FL.	341.12	343.78	684.90
F.S.I. AREA ON 8th FL.	341.12	343.78	684.90
F.S.I. AREA ON 9th FL.	341.12	343.78	684.90
F.S.I. AREA ON 10th FL.	341.12	343.78	684.90
F.S.I. AREA ON 11th FL.	341.12	343.78	684.90
F.S.I. AREA ON 12th FL.	341.12	343.78	684.90
F.S.I. AREA ON 13th FL.	170.72	172.44	342.86
TOTAL F.S.I. AREA	4264.16	4297.50	8561.66

TENANT & FLOOR AREA TABLE		IN. SQ.MTS.	
FLOOR	USE	BLOCK-A	BLOCK-B
1st FL.	RESI	4	8
2nd FL.	RESI	4	8
3rd FL.	RESI	4	8
4th FL.	RESI	4	8
5th FL.	RESI	4	8
6th FL.	RESI	4	8
7th FL.	RESI	4	8
8th FL.	RESI	4	8
9th FL.	RESI	4	8
10th FL.	RESI	4	8
11th FL.	RESI	4	8
12th FL.	RESI	4	8
13th FL.	RESI	2	4
TOTAL	RESI	50	100

DETAIL OF SLURM RE DEVELOPMENT		RIGHTS OF TDR		JANTRY		RECIPIENT PLOT		JANTRY RATE		ACTUAL T.D.R. F.S.I.		TDR FSI PROPOSED		TDR FSI BALANCED	
UTILIZER-1)	RE DEVELOPMENT FORM SLURM DEVELOPMENT TO THE TRANSFEREE	PLAT (RS. PER SQ.MT.)	PROPOSED TDR (RS. PER SQ.MT.)	PLAT (RS. PER SQ.MT.)	PROPOSED TDR (RS. PER SQ.MT.)	WHERE TO BE USED	PROPOSED TDR (RS. PER SQ.MT.)	PLAT (RS. PER SQ.MT.)	PROPOSED TDR (RS. PER SQ.MT.)	PLAT (RS. PER SQ.MT.)	PROPOSED TDR (RS. PER SQ.MT.)	PLAT (RS. PER SQ.MT.)	PROPOSED TDR (RS. PER SQ.MT.)	PLAT (RS. PER SQ.MT.)	PROPOSED TDR (RS. PER SQ.MT.)
T.P.-3, (BOPAL)	P.F.-28+30+31+154+115+1732 (BOPAL PLATINUM)	62.22 sq.mt.	14,750/-	62.22 sq.mt.	14,750/-	DRAFT T.P.-409A (KHORAJ - TRAGAD)	2,850/-	14,750/-	2,850/-	14,750/-	2,850/-	14,750/-	2,850/-	14,750/-	2,850/-

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

PERCOLATING WELL CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.		IN SQ.MT.	
REQ. 1500 TO 4000 SMT = 1 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.	3053.00 / 4000.00 = 0.76 NOS.
SAY REQ. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.
PROVI. P.WELL = 1 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.	3053.00 / 200.00 = 15.26 NOS.

CONTAINER BIN AREA CALC.		IN SQ.MT.	
RESI: 1 UNIT TO 10 LIT. RESI, 1 CONTAINER	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.	1000 / 100 = 10 NOS. SAY 13 NOS. CONT.
PROVI. 13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.	13 NOS BIN OF 80 LIT CAP.

COMMON PLOT AREA CALC.	
------------------------	--

