

**F) AUTOMATIC SMOKE DETECTION SYSTEM (for each Building):**

Automatic smoke detection system shall be provided in lift lobbies & common corridor at each floor level of each wing, in each shop, in each lift machine room, each electric meter room electric substation & in electric shaft at every floor level with response indicator; same should be connected to main consol panel on ground floor level in BMS Room, as per IS specification.

**G) FIRE CURTAIN:**

Fire Curtain shall be provided for entry/exit at basements from one compartment to other shall be of two hour fire resistance.

**H) FIRE PUMP, BOOSTER PUMP, SPRINKLER PUMP AND JOCKEY PUMP  
(Separate pumps for each Building):**

- a) Wet-riser cum down comer shall be connected to a fire pump at ground level of capacity of not less than 2400 liters/min. capable of giving a pressure of not less than 3.2 kgs/ sq. cms. at the top most hydrant.
- b) Booster pump of 900 liters/min. capacity giving a pressure of not less than 3.2 kgs./ sq. cms. at the top most hydrant out let of the wet-riser shall be provided at the terrace level.
- c) Sprinkler pump of suitable capacity along with jockey pump shall be provided for automatic sprinkler system.
- d) Electric supply (normal) to these pumps shall be independent circuit.
- e) Separate jockey pump shall be provided to Wet riser system to keep system pressurized.
- f) Operating switches for booster pumps shall be also provided in glass fronted boxes in lift lobbies on each floor at prominent place.
- g) Operating switches of fire pumps shall be also provided in glass fronted boxes at ground floor.
- h) All above pumps should be surface mounted or vertical turbine type (submersible pump not permitted) pump along with adequate size of pump room.

**I) EXTERNAL HYDRANTS (for each Building):**

Courtyard hydrants shall be provided at distance of every 30.00 mtrs each within the confines of the site of the wet riser-cum-down comer. Hose box with two non percolating ISI marked hoses (length not less than 15 mtrs) & branch shall be equally distributed on ground floor, podium floor, as well as on each floor of each building near the wet riser outlet.

**J) ALTERNATE SOURCE OF POWER SUPPLY (Common D.G. Set for Building Nos. 1,4,6,8), (Common D.G. Set for Building Nos. 2,3,5,7), (Common D.G. Set for Building Nos. 9,11,14) and (Common D.G. Set for Building Nos. 10,12,13):**

An alternate source of LV/HV supply from a separate substation or from a diesel generator with Auto/Manual changeover over switch shall be provided for fire pumps, booster pump, sprinkler pump, jockey pump, staircase and corridor lighting

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