

SELF APPRAISAL/CHECK LIST FOR PHARMACEUTICAL INDUSTRIES

- 1.Name and address of the Industries :
- 2.Name and address of the Owner :
- 3.Area of the Premises :
- 4.Particulars of clearances from the licensing authorities :

S.No.	Fire Safety Measures	Yes	No	Not Applicable
1*	Whether the factory has enough open space around to minimize the possible damage to near by Property and community	Yes	No	----
2*	Whether no public building/railway track is there Within 30M from the factory	Yes	No	----
3*	Whether the industry has fencing/compound around the plot	Yes	No	----
4. *	Whether the plot is kept free of combustible material such as grass, weeds, other vegetations, scrap paper, wood, saw dust etc	Yes	No	----
5*	Whether minimum 6M wide roads are there in between the blocks to allow free movement of fire vehicles and other rescue appliances	Yes	No	----
6*	Whether the main gate of the factory is 5M wide and has headroom of 4.5M head clearance	Yes	No	----
7*	Whether proper safety distances (minimum 15M) Are maintained between various blocks of buildings	Yes	No	----
8*	Whether separate buildings are there for finished products	Yes	No	----
9*	Whether compartmentation is done to prevent the spreading of fire from one area to the other	Yes	No	----
10*	Whether the construction of manufacturing building is Type I as specified in IS 1642:1986	Yes	No	----
11*	Whether the construction of godowns is Type II as specified in IS 1642:1986	Yes	No	----
12*	Whether adequate means of escape are provided as per IS: 1644-1986 and NBC(part IV) for safe	Yes	No	----

	evacuation of all inmates in times of emergencies			
13*	Whether stairs, elevators and other means of exit are protected by non-combustible fire resisting enclosures, raising fire resisting	Yes	No	----
14*	Whether any openings in these enclosures are fitted with fire check doors	Yes	No	----
15*	Whether no beams, still and the like are there in areas where combustible dusts are likely to form	Yes	No	----
16*	Whether roof covering in of non-combustible and fire resistant (under side of the roof should be coated with fire retardant paint)	Yes	No	----
17*	Whether adequate ventilation is provided for the processing and storage blocks with due regard to the nature of the materials	Yes	No	----
18*	Whether there are at least two doors in each room arranged to open outward or at least two widely separated alternate exit to the corridors or to the outside	Yes	No	----
19*	In processing buildings whether at least doors are provided	Yes	No	----
20*	Whether all electrical installations are in accordance with IS: 1646-1982	Yes	No	----
21*	Whether all electric motors and lighting fittings and switches are flame proof and dust proof in hazardous areas as per IS: 5572(part I)-1978	Yes	No	----
22*	Whether provision is made for remote control of all electrical circuits so that the current for lighting and power in the building can be switched off outside the building at a distance of 1.25M from the nearest doorway.	Yes	No	----
23*	Whether no electrical switches are maintained on any machine which produces excessive vibration while in operation.	Yes	No	----
24*	Whether all in coming feeders from main substation are through under ground cables.	Yes	No	----
25	Whether bulk storage of combustible raw/finished products are kept separate from manufacturing areas.	Yes	No	----
26*	Whether vessels used for storage of products	Yes	No	----

	having a flash point of below 65 0C are vented to the outside of the building			
27*	Whether it is ensured that no flammable liquids or vapours are present in the building or sections used for storage of combustible materials	Yes	No	----
28*	Whether flammable liquid storage drums are at least 20M away from building and other storage areas	Yes	No	----
29*	Whether all combustible open storage areas are fenced and openings provided for fire fighting purposes	Yes	No	----
30*	Whether flammable liquid tanks are surrounded by bund wall of sufficient height to contain the entire contents incase of rupture	Yes	No	----
31*	Whether all openings to tanks except vents are kept securely closed	Yes	No	----
32	Whether vents open to atmosphere are fitted with flame arrestors or pressure vacuum vents	Yes	No	----
33*	Whether each tank is clearly marked regarding its capacity flammability and nature of contents	Yes	No	----
34*	Whether all tanks are earthed suitably to dissipate static charges	Yes	No	----
35	Whether no drums of solvents are stored in working areas	Yes	No	----
36*	Whether all sources of ignition kept away from the operations	Yes	No	----
37*	Whether metallic pipes through which flammable solvents flow are earthed to the ground with proper conducts	Yes	No	----
38*	Whether loading and unloading of bulk flammable solvents is done in authorized premises	Yes	No	----
39	Whether before operating any centrifuge it is properly earthed to ground	Yes	No	----
40*	Whether proper ventilation is provided to prevent dust accumulation.	Yes	No	----
41*	Whether all safety measures are adopted in the storage of pressurized cylinders	Yes	No	----
42*	Whether precaution is taken not to store incompatible gases together (viz Hydrogen and	Yes	No	----

	Chlorine, Ammonia and Chlorine)			
43	Whether all the reaction kettles and pressure vessels are properly maintained and periodically pressure tested to ascertain their capability to withstand optimum pressure for which they are designed	Yes	No	----
44*	Whether all temperature indicators pressure gauge, control valves, pressure releasing valves periodically tested and their proper functioning is ensured	Yes	No	----
45*	Whether all utility lines conveying steam, chilled water, brine, vacuum, Nitrogen etc. bear clear identification tags and identifiable by color codes	Yes	No	----
46*	Whether all equipments, receivers, storage tanks, barrels etc. are adequately earthed to the ground through metal conduits and periodically inspected and tested	Yes	No	----
47*	Whether electrical jobs are performed by authorized persons only	Yes	No	----
48*	Whether all solvents of category A and B are stored in metallic containers well closed in a cool place at the designated area.	Yes	No	----
49*	Whether all material safety data sheets (MSDS) are made available with the stores in charge/officer in charge and displayed at strategic points.	Yes	No	----
50*	Whether all the statutory requirements of Indian Explosive Act are adhered in the storage of flammable solvents.	Yes	No	----
51*	Whether no open flame, naked light smoking, electric or gas cutting and welding are permitted within the building containing equipment for polymer process or inflammable tank areas.	Yes	No	----
52*	Whether all hot work is carried out after written approval of appropriate authority	Yes	No	----
53*	Whether all fire safety measures as per the Annexure relating the area of the industry concerned are provided	Yes	No	----
54*	Whether fire-fighting foam is provided in	Yes	No	----

	sufficient quantity taking in to consideration the characteristics of the liquid.			
55*	Whether no smoking signs are provided at all vulnerable areas	Yes	No	----
56*	Whether boards indicating stock of flammable/hazardous material are displayed at places accessible from outside at all tanks	Yes	No	----
57*	Whether first aid fire extinguishers in sufficient number are provided as per IS: 2190-1992	Yes	No	----
58*	Whether all staff are trained in emergency plan of action and first aid fire fighting	Yes	No	----
59*	Whether security personnel are trained in the usage of fire safety systems	Yes	No	----
60*	Whether fire drills are conducted periodically	Yes	No	----
61*	Whether all fire safety systems are maintained in trim working condition	Yes	No	----
62*	Whether all personal protective equipment and self-contained B.A. Set is provided.	Yes	No	----
63*	Whether Assembly area in case of any emergency is earmarked?	Yes	No	----
64*	Whether material DATA safety sheets of all hazardous chemicals/gases is made available to the stores in charge and security personnel.	Yes	No	----

NOTE: All safety Measures with * marks are mandatory

(Signature of the Owner)