

परिशिष्ट— क

General Guideline for classification of Industries/Factories as Low/ Medium/High Risk Industries/Factories		
Sl. No.	Description of apprehension (s)	Score Scale
1	2	3
1	Total Man Power engaged per day & Total rated capacity (power) installed expressed in H.P.	
(a)	Workers (w) (i) Less than 20 workers (ii) Equal to or above 20 but less than 50 Workers (iii) Equal to or above 50 but less than 100 Workers (iv) Equal to or above 100 workers but less than 250 workers (v) Equal or above 250 workers	02 04 06 09 10
(b)	H.P (i) Up to 50 H.P (ii) Above 50 H.P but less than 500 H.P (iii) 500 H.P or above	02 06 08
2	Locations	
(a)	Population (i) Near 1 K.m radius of Municipal area (ii) Municipal area (iii) Municipal area +Public place (Hospital, station, school,market etc.) (vi) Others	03 04 06 02
(b)	Seismic Zone (i) Zone II (Least Active) (ii) Zone III (Moderate) (Ara, Buxar, Bhojpur, Jahanabad, Nawada, Gaya, Aurangabad, Rohtas, Kaimur, Arwal.) (iii) Zone IV (High) (Motihari, Bettiah, Sheohar, Gopalganj, Siwan, Saran, Muzaffarpur, Vaishali, Samastipur, Patna, Nalanda, Sheikhpura, Lakhisarai, Begusarai, Khagaria, Saharsa, Bhagalpur, Katihar, Purnia, Kishanganj, Banka, Jamui, Munger, Madhepura, Darbhanga. (iv) Zone V (Highest Risk) (Madhubani, Supaul, Araria, Sitamarhi, Darbhanga, Madhepura, Saharsa Kishanganj, Muzaffarpur, Sheohar, Purnia)	NA 03 04 05
(c)	Lightening/ Thundering Area	NA
(d)	Flood affected Area (i) Vulnerable -13 districts (West Champaran, Gopalganj, Siwan, Saran, Buxar, Bhojpur, Patna, Nalanda, Lakhisarai, Sheikhpura, Purnia, Araria, Kishanganj) (ii) Most Vulnerable- 15 districts (East Champaran, Sheohar, Sitamarhi, Katihar, Madhubani, Vaishali, Muzaffarpur, Darbhanga, Samastipur, Madhepura, Supaul, Saharsa, Khagaria, Begusarai, Bhagalpur.)	04 05

(e)	Near MAH Unit	05
3	MAH Unit	10*
4	Hazardous Operations (section-2 cb of Factories Act, 1948) and Ist schedule	08
5	Occupational Health Hazards (schedule-3 of Factories Act, 1948)	08
6	Dangerous Operations (Refer schedule to Bihar Factories Rules, 1950)	07
7	Chemical process (Refer schedule to Bihar Factories Rules, 1950)	07
8	Storing Chemicals (Please refer to control of Industrial Major Accident Hazardous Rules, 1950) (i) Below threshold quantity (ii) Equal to or above threshold quantity	07(Q<) 09(Q≥)
9	Category of Factories under Central Pollution Control Board (i) Non Polluting (ii) Green (iii) Orange (iv) Red	02 04 06 08
10	Operation in shifts (i) General (ii) Shift	NA 05
11	Approach Road to the units (i) width less than 20 feet (ii) width Equal to or above 20 feet	06 NA
12	Fire Prone Factories(Please refer to Factories Rules 1950) (i) Class A (ii) Class B (iii) Class C (iv) Class D & E	03 04 06 08
13	Elevation of work place (i) Ground Floor (ii) On & above first floor or in basements (iii) on and above 4 floors. (40 feet from ground level)	NA 04 06

Note:-

- (1) Score Scale (1 to 10 Number)
- (2) Higher Score indicates high risk
- (3) Total Score is rms (root mean square) value of scores attributed from Serial no. 01 to 13
- (4) rms value of n Number (a, b, c,..... n) is given by

$$\{(a^2+b^2+c^2+.....+n^2)/n\}^{1/2}$$
- (5) Total score > or = 4.5 (**High Risk**)
- (6) Total score <4.5 and > 2.5 (**Medium risk**)
- (7) Total score <or equal to 2.5 (**Low risk**)
- (8) Total rated capacity (Power) of the machineries and Plants installed and expressed in Horse Power.