



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
ARIYALUR
SAFETY DEPARTMENT MANUAL**

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WORK INSTRUICTION FOR SAFETY PRECAUTIONS FIRE EXTINGUISHERS			

1.0 The details of First Aid Fire fighting equipments and their selection according to classification of fire are as given below:

1.1 PORTABLE FIRE EXTINGUISHERS:

1. Fire Buckets

Water
Sand
2. Foam (Aluminum sulphide + Sodium Bicarbonate solution)
3. Dry chemical power (DCP) – Sodium Bicarbonate + ingredients for easy flow
4. Carbon Di-oxide (CO₂)

Classification of Fire & Selection of Extinguishers:

Class	Fuel	Examples of Fuel	Method of Quenching	Extinguishers
A	Solid combustible materials	Wood, Paper, rag.. etc.	Cooling	Water – CO ₂ Fire Buckets (Water & Sand)
B	Liquid	Diesel, Petrol, Kerosene	Blanketing	Foam, DCP & CO ₂
C	Gas	LPG, DA.... etc.	Starvation	CO ₂ & DCP
D	Metal	Mg,Ti,Zr... etc.	Breaking of chain reaction	Halon (Not in use)
E	Electrical	Cable	Blanketting (If power is switched off – cooling)	CO ₂ , DCP

Note: If power is switched off “E” Fire is “A” class fire only.

1.2 RECORDS:

Sl. No.	Description	Format number	Location	Retention period
1.	List of Fire Extinguishers in Plant.	F-1/WI-28(PI-14;AM-8)	Safety Officer	2 Years