



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
ARIYALUR  
CIVIL DEPARTMENT**



Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/CIVIL/10
Issued By: M.R		Approved By: HOD (Civil)	
SOP FOR Control fire for cutting grass& paper waste			

**Scope** : This SOP is applicable to Safe working for Control fire

**Responsibility** : Section Engineer.

**Accountability** : HOD civil & Security Head

**PPE:**

1. Safety helmet,
2. Safety shoe,
3. Mask.
4. Hand gloves
5. Safety goggles.

**Tools:**

1. Match box
2. Fire Hydrant

**Hazards:**

**Risks associated**

Fire- smoke while initial firing  
Unknown material blast  
Fire spread

**Mitigating Measures**

Use proper PPE, s & PPE training  
Proper inspection before fire  
Fire hydrant, Use proper PPE,s & PPE training

**Training needs:**

1. Emergency preparedness
2. Hot work
3. Fire fighting



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**Procedure:**

Before starting the Control fire work.

1. Necessary work permits has to be obtained.
2. Work related PEP Talk must be given to workmen before starting the job.
3. All workmen should wear safety PPE & awareness
4. Fire Hydrant should be available before start the control fire
5. To ensure proper supervision to be made available
6. Adequate approach is to provide to reach Control fire place
7. To ensure fire hydrant water level full and water source at least two places for filling water to the fire hydrant and also extra water source (tractor tanker) kept inform.
8. Necessary arrangement should be made to reach the work place
9. The control fire surrounding area should be clear from inflammable, ie all unwanted materials/tree/grass to be cleared.
10. Before firing, area and control fire pit should be inspected by safety dept personals, after the clearance of Safety dept., fire pit can be fired.
11. All surrounding area should be wet by using with fire hydrant ,so that fire cannot spread near places at any reason
12. To ensure fir pit area should be barricading to avoid unwanted person entry to the place
13. To ensure all the materials has been fired for which continues supervision and fire hydrant keep in the control fire area.
14. Once all materials completely burned, the fire pit should be quenched for any further spreading of fire
15. The information of control fire date and time to be ensured in the HOD meeting and mail communication accordingly before one week, if any deviation accordingly it should be changed

**Emergency / Emergency Shut OFF:**

1. If anybody fall from height, inform to the Safety department or Call Emergency number 3108/9750963709/9750963761.
2. If any heavy wind, then quench the fire and inform to the security dept.
3. If any injury is there, give First aid and inform to the Safety department or Call Emergency number 3108/9750963709/9750963761

**Records/Annexure:**

1. JSA as enclosed below.



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**JOB SAFETY ANALYSIS :( JSA)**

<b>Job Safety Analysis</b>	Job: This SOP is applicable to Control fire work	Date:	Analysis by:M.I.Shameem Sufiyan	Reviewed by: S.Chandra Bose
Title of employee doing job: Concern contractor & Workers	Supervisor: Section In charge	Department: Civil	Section: plant area	Approved by: S.Chandra Bose
Req'd/recommended PPE: SAFETY HELMET, SAFETY SHOES, NOSE MASK, safety goggles.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Control fire	Fire- heavy smoke while initial firing	Use proper PPE (Nose mask & Goggles) for the person who is doing this control fire.	Nose mask& Gaggles may be tear out, damaged	Training to be given for un skilled workman ( PPE& Hot work)
	Unknown material blast	Proper inspection along with safety personal/While dumping the flammable materials perdicla inspection to be done	Near the person injury/Unknowingly somebody can enter into the work place	Site barricading is to be done and Work related PEP talk is to be given.
	Fire spread	Surrounding area should be free from fire catching for which water spray to be done before and while firing also frequently.	Fire catches near the area	Fire Hydrant should be available with full water and water source all also should be ready for filling further to the fire hydrant.