



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



Issue No. 01	Rev. No: 00	Effective Date: 01.03.2016	SOP/CIVIL/13
Issued By: S.P		Approved By: HOD (CIVIL)	
SOP FOR PITCHING			

**Scope/Purpose** : This SOP is applicable to Safe working for Pitching.

**Responsibility** : Engineer – civil

**Accountability** : Deputy General Manager – civil

**PPE:**

1. Safety shoes
2. Safety helmet
3. Hand gloves
4. Nose mask

**Tools:**

1. Spade
2. Crow bar
3. Bond
4. Tube level
5. Spirit level
6. Flat wooden plank

**Hazard Analysis:**

**Risks associated**

Cut injury  
Fall injury

**Mitigating Measures**

Use of proper tool  
Use of proper tool

**Training needs:**

1. Usage of tools
2. Safe way of working



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**Procedure:**

1. Use Proper PPE & tools
2. Marking of slope in the desired location
3. Earthwork should be done at the base of the slope so as to construct the RR masonry wall
4. Sand filling to be done on the area where earthwork was done for RR retaining wall
5. Then PCC to be laid on the same area.
6. RR wall has to be constructed to a minimum of 450 mm from GL so that sloped roof can be strengthened
7. Then filling of earth material upto the slope marked
8. Consolidating the earth filled in the slope
9. Then RR stones has to be placed above the filled earth also, this RR stone should be on line with the outer face of the retaining wall
10. Finally the joints between the RR stone should be filled with the cement mortar

**Emergency / Emergency Shut OFF:**

1. If cut or fall injury is there, First aid will be given and inform to the Safety department or Call Emergency number 222/9865155288

**Records/Annexure:**

1. Refer drawing in civil department.
2. JSA is enclosed below.



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**JOB SAFETY ANALYSIS :(JSA)**

<b>Job Safety Analysis</b>	Job: Pitching	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Contract labour	Supervisor: Section Engineer	Department: Civil	Section: Colony & Plant	Approved by:
Req'd/recommended PPE: Safety helmet, Safety shoe, & Rubber Gloves.				
<b>Sequence of Basic Job Steps</b>	<b>Potential Hazards</b>	<b>Recommended Safe Job Procedure</b>	<b>What Could Go Wrong</b>	<b>Corrective Action</b>
Handling of RR stones	Cut injury	Proper PPEs to be used	Mishandling of stones	Must be so cautious while handling stones
Making of slope	Fall injury	Proper PPEs to be used	May cause slippery while making slope	Safety shoes must be weared while making slopes