



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



Issue No. 01	Rev. No: 00	Effective Date: 01.03.2016	SOP/CIVIL/14
Issued By: S & P		Approved By: HOD (CIVIL)	
SOP FOR RR masonry construction			

Scope/Purpose : This SOP is applicable to Safe working for RR masonry construction.

Responsibility : Engineer – civil

Accountability : Deputy General Manager – civil

PPE:

1. Safety helmet,
2. Safety shoe,
3. Hand Gloves.

Tools:

1. Showel
2. Trowel
3. Plumb bob
4. Spirit level
5. Runner
6. Spade
- 7.

Hazard Analysis:

Risks associated

Cut injury, fall

Mitigating Measures

Use of proper tool and labours

Training needs:

1. Usage of tools
2. Construction of RR masonry

Procedure:

1. Use Proper PPE & tools
2. Take proper work permit from Concern dept. as per the site condition.
3. If required before starting of work, civil department and Safety should ensure that proper scaffolding Certification is done



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4. The Wooden platform made for placing RR stone must be strong and rigidly braced so that it will not sagging while handling of stone and mortar etc..
5. Pans and wheel barrows used for carrying mortar & stones should be in good condition.
6. Avoid vertical joint in every consecutive layer as per IS standards before placing each RR stone layer.
7. Avoid standing very close to the RR masonry constructing area.

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.

JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	Job: RR masonry construction	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Contract labour	Supervisor: Section Engineer	Department: Civil	Section: Plant	Approved by:



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Req'd/recommended PPE: Safety helmet, Safety shoe, & Rubber Gloves.

Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Inspecting the site	Fall injury	Barrication should be done	Sliding may occur	Not to stand near the working site
Scaffolding	Cut or body injury	Check the joints for its rigidity	Scaffolding collapse and fall of material & labour	Use of proper PPE and materials
Shifting of materials	Cut or body Injury	Use of proper tools	Improper use tools and machine may lead to minor accident	The mixer machine and the tools should be properly maintained & good condition
RR stone handling	Body injury	Use of proper conveying arrangement	Slip of material may happen	Use proper PPE and deputed trained labours.