



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



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|----------------------|-------------|----------------------------|--------------|
| Issue No. 01 | Rev. No: 00 | Effective Date: 27.02.2016 | SOP/CIVIL/04 |
| Issued By: S & P | | Approved By: HOD (CIVIL) | |
| SOP FOR WATER SUPPLY | | | |

Scope/Purpose : This SOP is applicable to Safe working for Water supply receipt and distribution.

Responsibility : Engineer – civil

Accountability : Deputy General Manager – civil

PPE:

1. Safety helmet,
2. Safety shoe,
3. Gum boot

Tools:

1. Spanner
2. Hammer
3. Chiesel
4. Saw

Hazard Analysis:

Risks associated

Cut injury,

Mitigating Measures

Use of proper tool

Training needs:

1. Usage of tools
2. Opening of valves and headers

Procedure:

1. Use Proper PPE & tools
2. Operating bore pumps and getting the water to common well
3. Then checking the water in well. If the water level is sufficient then, run the delivery pump for pumping water to DPM
4. If level is not sufficient then stop running of delivery pump until the level reaches the sufficient level
5. Open the delivery valves
6. Then check for pressure in pressure gauge



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7. Based on the requirement of water in plant, valves will be opened in the CPP, Genset, UG well & Water treatment plant.
8. For factory purpose, the water will be pumped from water treatment plant to CVRM – 1, Ball mills, Coal mill and domestic use also.
9. For Colony use, the water will be pumped from colony UG well by opening the header valves to respective areas as required

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 523/9865177444/9865195111.
2. If any hose pipe got punctured or busted, then stop conveying the concrete immediately when pumping concrete is done.

Records/Annexure:

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



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JOB SAFETY ANALYSIS:(JSA)

| Job Safety Analysis | Job: Shuttering | Date: | Analysis by: | Reviewed by: |
|---|------------------------------|---|--|--|
| Title of employee doing job: Contract labour | Supervisor: Section Engineer | Department: Civil | Section: Plant | Approved by: |
| 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 pit. |
| Choice of materials | Cut or body Injury | Use of good materials which satisfy the load requirements | Use of unwanted materials may lead to failure and accident | Proper selection should be made after checking the quality |
| Joints | Cut or body injury | Check the joints for its rigidity | The shutters may fall down | Use of bolts for tightening the joints |
| Deshuttering | Body injury | Drying time should be given | The structure may gets collapsed | By following the IS standards |

HEAD CIVIL

HEAD TECHNICAL