



DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DALMIAPURAM
Mines Department



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	WI/Mines/02
Issued By: S & P		Approved By: Head - Mines	
Work Instruction for Driller			

Scope/Purpose : This Work instruction applicable for Driller

Responsibility : Mines Foreman/Asst. Manager

Accountability : Mines Manager

PPE:

1. Ear Plug
2. Safety Shoes
3. Gloves
4. goggles

Tools:

1. Drill Rod Spanners
2. old gunny bags

Hazard Analysis:

Risks associated

Dust generation

Mitigating Measures

Wet Drilling for dust suppression

Training needs:

1. Compressor operation

Work instruction:

1. The Driller shall meet the Asst. Mines Manager / Foreman at the commencement of the shift and get the necessary instruction regarding the location and method of Drilling to be done.
2. The Drillers shall see that the site proposed for drilling is leveled and made even for positioning the wagon drill and compressor in a safe manner.
3. He shall inspect the site along with the shift Foreman and ensure that all necessary Safety precautions as per MMR have been taken before commencement of drilling operation.
4. He shall ensure that all his assistant have taken necessary precautions regarding Safety before the commencement of drilling operations.



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DALMIAPURAM
Mines Department**



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	WI/Mines/02
Issued By: S & P		Approved By: Head - Mines	
Work Instruction for Driller			

5. The number of holes to be drilled will be marked by the foreman at the site by keeping small pieces of stones at the points where drilling is to be carried out.
6. He shall ensure that drilling is carried out in the same place without any deviation as marked by the Foreman, any change if required is to be made in connection with Foreman / Asst Mines Manager.
7. Before the commencement of drilling, the drillers shall check and ensure that the level of Water, Engine Oil, Diesel and Compressor oil of the Compressor and Hydraulic Oil of the Drill etc are upto the needed level.
8. He shall see that all Accessories and Safety appliances fitted in the Drills and the compressors are in proper order and in good working condition.
9. He shall not allow any Un – authorized person to operate the Drills as well as the Compressors.
10. During drilling, the drillers shall ensure that the drill cuttings are flushed periodically from time to time.
11. He should not leave the drill / Compressor unattended while the drilling operation is in progress and also till the end of the shift.
12. He shall see that the Deep Holes so drilled are plugged with the old gunny bags / polythene bags to avoid the entry of foreign materials and water into the hole.
13. At the end of the shift, drillers shall check the condition of the compressors, drill etc and if any defect is noticed, the same should be recorded in the log sheet meant for.
14. All such inspections made in the equipments and precautions to be taken in the subsequent shift operations etc are to be recorded in the bound paged log – book .

Emergency / Emergency Shut OFF:

1. If there is any emergency Call Emergency number 9865165316 / 9865277805/
9865150893 / 9865277806

Records/Annexure:

1. Refer Log book.
2. JSA is enclosed below.



DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DALMIAPURAM
Mines Department



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	WI/Mines/02
Issued By: S & P		Approved By: Head - Mines	
Work Instruction for Driller			

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Work Instruction for Driller	Date: 14.09.12	Analysis by:	Reviewed by:
Title of employee doing job: Driller/Helper	Supervisor: Mines Foreman/shift incharge	Department: Mines	Section:	Approved by:
Req'd/recommended PPE: Safety shoes, goggles, ear plug				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Drill hose checking	Hose burst	Frequent Inspection	Hose Puncture	Periodical Replacement
Compressor Air Tank Checking	Apparatus under Pressure	Recording of Pressure reading	Vessel Burst	Periodical checking as per Metalliferous Mines Regulation