



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

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	INST/SOP/025
Issued By: M.R		Approved By: HOD - Instrumentation	
CHECKING OF DENSE PHASE SYSTEM OPERATION			

Scope: SOP for Checking of Dense phase system operation.

Responsibility: Instrumentation technician.

Accountability: Instrumentation - Section Engineer.

PPE:

NA

Tools required:

NA

Hazard Analysis:

Risks associated

Mitigating Measures

NA

1.0 Procedure for Checking of Dense Phase system Operation

- 1) Once command is given Cycle gap timer will run (Time is user configurable).
- 2) DV1 & DV3 open at a time for filling the material (Time is user configurable).
- 3) For vessel pressurizing BV1 & BV2 open at a time (Time is user configurable).
- 4) After 5 Sec discharge valve DV2 will open for conveying (Time is user configurable).
- 5) After conveying time is over, DV2 will close.
- 5) Once DV2 close ,after 5 sec BV1 & BV2 will close.
- 6) Again the cycle will start from step1.



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7) Line Block Indication:

Within the time of conveying, if the line pressure is >1bar and vessel pressure is more than 0.6 bar then line block timer will start (Time is user configurable). After that cycle will be stopped.

Emergency / Emergency Shut OFF:

1. If any unconsciousness is there, give First aid and inform to the Safety department or Call Emergency number 3108/9865152222/9750963761.

Records/Annexure:

1. JSA.

NA