



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



Issue No. 01	Rev. No: 02	Effective Date: 20.09.2017	SOP/INST/60
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Issued By: M.R	Approved By: HOD-Instrumenetation
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SOP FOR ZEROING THE DP TRANSMITTERS

Scope/Purpose : This SOP is applicable for zeroing the DP transmitters.

Responsibility : Instrumentation Engineer

Accountability : Instrumentation Technician

PPE:

1. Hand gloves
2. Nose Mask
3. Goggle

Tools:

1. Adjustable spanner
2. Multimeter

Hazard Analysis:

Risks associated

Puffing of material clogged inside the pipeline

Mitigating Measures

Use proper goggles, hand gloves and insulated tools.

Procedure:

1. We have to inform the CCR about the zeroing of that particular transmitter.
2. We have to inform the Instrumentation shift Engineer to block that particular signal, if the zeroing is done online.
3. Both the pipeline from the transmitters should be removed before starting the zeroing procedure.



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4. On the top of the transmitter, there will be two buttons, one for zero and another for span calibration.
5. For zeroing, we have to press the zero calibration button for about five to six seconds.
6. When this button is pressed, the zero calibration will start.
7. At the end, the transmitter will display “ZERO PASS”. This means that the zero calibration has been done.
8. We have to ensure whether the transmitter shows 0.00 mmWg or 0.00 mmH₂O.
9. After completing the zero calibration, the two pipelines should be fixed properly.
10. We have to inform the section engineer unblock the particular signal.
11. After unblocking the signal, we can give clearance to CCR.