



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

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CALIBRATION PROCEDURE FOR FLOW METER			

**az 1.0 CALIBRATION PROCEDURE FOR FLOW METER:**

The Instrument engineer takes action as follows, for calibration:

**1.1 ZERO CALIBRATION**

1.1.1 Run the pump and close the outlet valve.

1.1.2 Check for zero reading at flow meter. If not adjust zero potentiometer/ press zero button.

**1.2 SPAN CALIBRATION**

1.2.1 Check and note the initial reading of flow meter and level of the tank.

1.2.2 Run the pump and open the valve as per process requirement.

1.2.3 Stop the pump after 10 min. and note down the final reading of flow meter and tank level.

1.2.4 Calculate the indicated flow quantity from the flow meter and actual flow quantity from the tank level.

1.2.5 Calculate the % error, if the error is more than +/- 1%, and then adjust the span of the flow meter.

1.2.6 Repeat the steps from 1.2.1 to 1.2.5, until the error is within the range.

**2.0 CONNECTED DOCUMENTS:**

F-1/WI-22(SP-8; AM-7)

Calibration of Flow Meter.

RM HAG FLOW METER

CAPACITY 600 LPH

KILN START UP BURNER FLOW METER

CAPACITY 4200LPH