DALMIA CEMENT (B) LIMITED – CEMENT PLANT ARIYALUR INSTRUMENTATION DEPARTMENT			
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CALIBRATION PROCEDURE FOR STACK SOX ANALYSER			

1.0 CALIBRATION PROCEDURE FOR SOX ANALYSER :

The Instrument engineer takes action as follows, for calibration:

1.1 Calibration of SOX analyser consists of establishing zero calibration and span calibration using N2 & SOX standard gases respectively.

1.1.1 Ensure that power is ON at least for one hour before calibration. This helps the instrument to acquire the temperature stability and to avoid condensation.

1.2 ZERO CALIBRATION:

1.2.1 Select manual mode and zero calibration from analyzer panel.

1.2.2 Pass N2 gas (zero gas) through the analyser at the rate of 50 to 60 lph for three minutes.

1.2.3 Clear the value which is displaying and then enter 0.000 then press enter.

1.2.4 Check the o/p reading with the help of multimeter it should be 4 mA.

1.3 SPAN CALIBRATION:

1.3.1 Select manual mode and span calibration from analyzer panel.

1.3.2 Pass standard SOX gas through the analyser at the rate of 50 to 60 lph for three minutes.

1.3.3 Observe the displayed value and to be match with standard gas value by entering it.

1.3.4 The output mA reading on multimeter should be corresponding to the amount of SOX gas present in the cylinder.

1.4 Repeat the procedure to get consistent readings and record the same in the instrument calibration format F-1/WI-24(SP-8;AM-7)

2.0 CONNECTED DOCUMENT:

F-1/WI-24(SP-8;AM-7) CALIBRATION OF PH STACK SOX ANALYSER

PH STACK SOX ANALYSER RATE 50 to 60 lph

Applied Gas.	Calculated value
As per standard gas	As per standard gas value