CALIBRATION PROCEDURE OF SOLID FLOW METER

The Instrument engineer takes action as follows, for calibration:

1.1 STATIC CALIBRATION PROCEDURE:

1.1.1 Sensing plate should be Empty condition

1.1.2 TARE ADJUSTMENTS:

1.1.2.1 Start Solid flow Feeder at full set point without weight.
Set point must be 100% (P value in TPH)

1.1.2.2 IF TPH indication will appear "zero", no need to TARE adjustment

1.1.2.3 IF TPH indication will not appear "zero"

1.1.2.4 Stop the SFF

1.1.2.5 Go to calibration mode.

1.1.2.6 Press Tare

1.1.2.7 TPH rate indication becomes zero.

1.1.2.8 If not zero, repeat step 1 to 6.

1.1.3 SPAN ADJUSTMENT:

1.1.3.1 Start SFF at full setpoint; apply known weight (as per calibration chart). TPH indication should indicate the reading corresponding to the weight applied as per chart. If not, adjust the span.

1.1.3.2 Apply the known test weights.

1.1.3.3 IF TPH indication will appear corresponding to the weights applied, no need to span adjustment

1.1.3.4 IF TPH indication not match with applied weights

1.1.3.5 Adjust the span in D02

1.1.3.6 TPH indication will appear corresponding to the weights applied.

1.1.3. If not, repeat from step 1 to 6

1.1.3.8 Record the observations in the Instrument calibration format F-1/WI-6(SP-8;AM-7)

2.0 CONNECTED DOCUMENT:

F-1/WI-6(SP-8; AM-7) CALIBRATION OF SOLIDS FLOW METER

DRY FLY ASH FLOW METER CAPACITY 140TPH

TEST WEIGHTS IN Kg	TPH
3.9	60
7.8	120

HOT DUST FLOW METER CAPACITY 20 TPH

TEST WEIGHTS IN Kg	TPH
0.66	10
1.31	20