



# With you at every step



**Keep up with COVID-19 by taking the right measures for your Air Pollution Control Equipment**

Bringing you knowledgeable insights and information that will keep your Air Pollution Control Equipment up and running during and post lockdown period. Kindly refer to the Standard Operation Procedures (SOP) for the equipment that is applicable to you.



## **BOILER BAG FILTER STARTUP PROCEDURE**

Once Pre-commissioning activity is over, system can be made ready for commissioning. Below is the STARTUP sequence.

- a) Run the dust disposal system without dust load for 24 hours.
- b) Check the interlocks with respect to the control logic by stimulating the set points.
- c) Only after satisfactory checking of the Bag filter as per control logic for 24 hours, the bag house should be taken up for commissioning.
- d) **Bag Seeding: This is the activity where pre-coating of bags carried out before taking the flue gas in. The procedure has been explained earlier.**
- e) Only DP mode of cleaning should be introduced where glass bags provided as filter media. Cleaning should start at 120 mm and stop at 90 mm WC.

**CAUTION : DO NOT TAKE BAG FILTER ON LINE UNLESS BOILER IS STABILISED FOR TEMPERATURE CONDITIONS. GAS TEMPERATURE SHOULD BE MIN. 150<sup>0</sup> C AND O<sub>2</sub>% CONTAINS IN FLUE GAS WITHIN 8%**

- f) Press SYSTEM RESET button to make Bag filter ON-LINE. Flue gas is now passing through Bag filter.
- g) If Bag filter is OFF LINE type, check pressure drop in local manometers across each module when the module is under cleaning. Reading should be 0 mm WC when outlet damper is closed.
- h) In case DP value does not reduce by cleaning cycle then gas volume measurement is compulsory as higher the gas volume can cause higher differential pressure even though proper cleaning is taking place.
- i) Walk through the Bag house and note any discrepancies. Whistles at access doors indicating leaks. Hot spots on lagging indicating faulty / inadequate insulation.
- j) Observe stack emission. Check the trend of DP readings over a period of 8 hours for any unusual operation.

