

## **SCOPE OF WORK:**

### **A. PRE-COMMISSIONING INSPECTION OF ESP'S**

The pre-commissioning Inspection of the Electrostatic Precipitators will include, but will not be limited to, the following: -

1. Check Alignment of Collecting and Discharge System
2. Check Voltage Gap
3. Check Rapping Arrangement including arrangement of Hammers
4. Check Hopper, Support Insulator Heating Arrangement
5. And Others

### **B. COMMISSIONING SUPERVISION OF ESP'S**

The commissioning Supervision of the Electrostatic Precipitators will include, but will not be limited to, the following: -

1. Gas Distribution Test
2. Air Load Charging
3. Operation of Rapping Motors
4. Operation of Heaters and Thermostats
5. And Others

### **C. Training of Personnel**

The training for 2 days should cover the following:

1. Basic fundamentals of Electrostatic Precipitators
  2. Theory of Electrostatic Precipitators
  3. Mechanical Components and their application
  4. Electrical Components and their application
  5. Operation techniques
  6. Design of ESPs and their parameters
  7. Basic and Advanced Maintenance procedures
  8. Troubleshooting
  9. Factors affecting precipitator performance
  10. Performance improvements
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