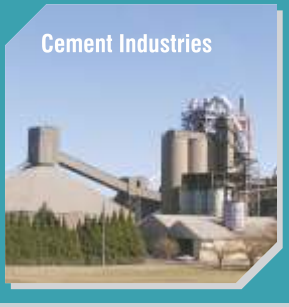


ELECTROSTATIC PRECIPITATOR (ESP)

for power & process boilers

SITSON INDIA PVT.LTD.

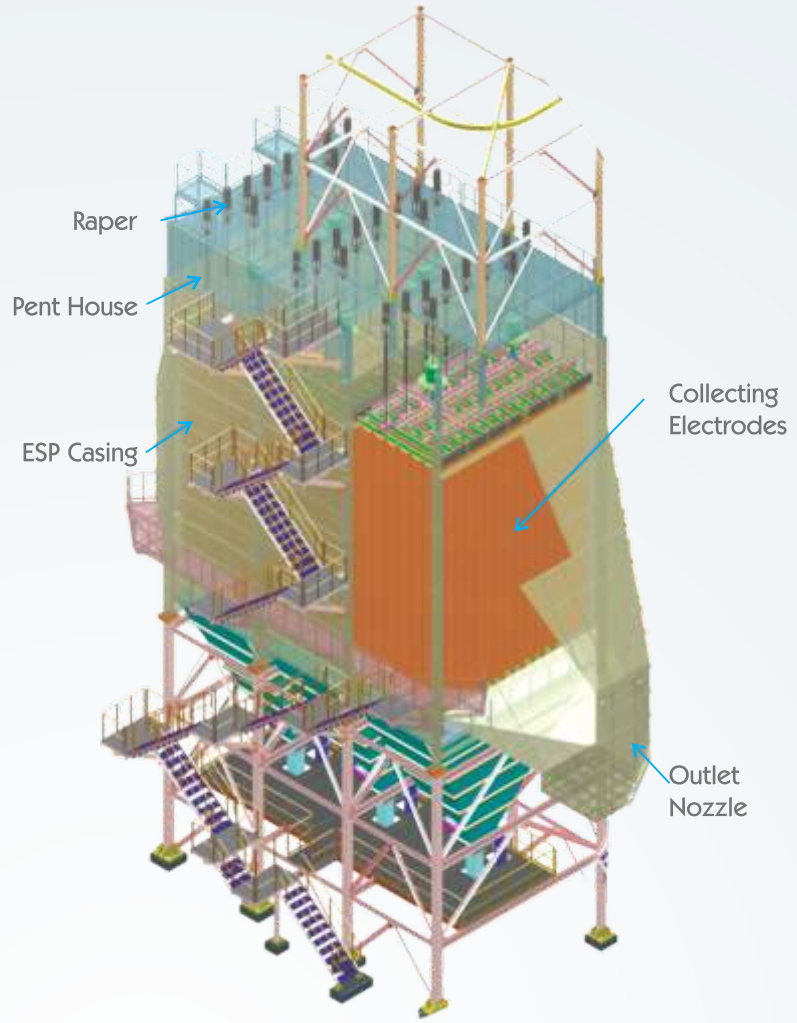
Cleaning Air for
best environment

ESP

- Sitson India Pvt Ltd. has designed, supplied and commissioned ESP for bagasse, coal, ricehusk & biomass application.
- Recently we have successfully commissioned ESP for 25 MW bagasse based co-generation plant.
- We have 25 installations of ESP running successfully & 8 numbers of ESPs are under erection.

RANGE OF OUR ESP

- We have supplied ESP for boilers up to 130 TPH capacity.
- We have capacity to design & manufacture ESP for Boilers upto 200 TPH capacity suitable for fuels like coal, biomass, bagasse.
- We have design of ESP for WHRB, PC fired boilers, Cement Kiln, Sponge Iron Kiln



Components of ESP

DESIGN FEATURES OF OUR ESP

- Suitable for gas flow rates 5000 m^3/hr to 400,000 m^3/hr.
- Hot gas design up to 250^0 C temperature.
- Effective cleaning system by top rappers for collecting electrodes and emitting electrodes.
- Low pressure drop of flue gas.
- Low power consumption.
- High collection efficiency for all type of dust.
- Plate type collection electrodes are designed for high gas flow treatment and high collection efficiency.
- Specially designed and manufactured critical path line for Collecting Electrodes & Emitting Electrodes.

WHY SITSON ESP?

- In house facility to manufacture Emitting electrodes, Rapping mechanism, Insulators.
- High Voltage Transformers are specially designed and procured from reputed & manufacturers.
- Minimum power consumption.
- Dry application, so handling of ash is easy.
- High Ash collection efficiency as compare to other air cleaning technology.
- No need of separate ash clarification system.
- Low operating cost of ESP compared to others.

List of

Major Electrostatic Precipitator (ESP)

Executed / Under Execution

Sr. No.	Name of Customer	Boiler Capacity TPH	Outlet Emission Mg /Nm³	Fuel
01	Shahabad Co-op. Sugar Mills Ltd., Haryana	130	50	Bagasse, Coal
02	DSM Sugar Mansurpur, Uttar Pradesh	120	150	Biomass, Coal
03	Shankar S.S.K. Ltd.,Maharashtra	120	115	Biomass, Coal
04	Satish Sugar Ltd., Karnataka	120	150	Bagasse
05	Satish Sugar Ltd., Karnataka	100	150	Bagasse
06	Gokak Sugar Ltd., Karnataka	90	150	Bagasse
07	Manali Sugar Ltd., Karnataka	80	115	Bagasse
08	Ashok S.S.K. Ltd., Maharashtra	80	115	Bagasse, Coal
09	Bidar Kissan Shakar Karkhana Ltd., Karnataka	80	115	Bagasse
10	Vitthalrao Shinde S.S.K. Ltd., Maharashtra	70	150	Bagasse
11	Apollo Tyres Ltd., Tamilnadu	60	50	Imported Coal, Indian
12	AB Grain Spirit Ltd., Uttar Pradesh	60	50	Biomass, Coal
13	Bombay Dyeing, Maharashtra	55	150	Coal
14	Sahakar Shiromani Vasantrao Kale S.S.K. Ltd.	2 x 50	50	Bagasse
15	Neneka, Cuba (Export)	4 x45	50	Bagasse
16	Shri Jyoti Renewable Energy Pvt. Ltd., Haryana	42	150	Biomass, Mustard Husk
17	Vikas S.S.K. Ltd., Maharashtra	40	100	Bagasse
18	Surya Chambal Power Ltd., Rajasthan	38	150	Biomass, Mustard Husk
19	Kalpataru Power Transmission Ltd., Rajasthan	38	150	Biomass, Mustard Husk
20	Hasan Biomass Ltd., Karnataka	35	150	Biomass
21	Amrit Environmental Tech. Pvt. Ltd., Rajasthan	35	150	Biomass
22	Armstrong Energy Pvt. Ltd., Maharashtra	30	150	Bagasse
23	Pudumjee Pulp & Paper Mill Ltd., Maharashtra	25	150	Bagasse, Coal
24	Forbes Vyncke Pvt. Ltd.	12	100	Imported Coal, Biomass,
25	Forbes Vyncke Pvt. Ltd.	8	100	Briquettes

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SITSON INDIA PVT. LTD.

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