

ESTEEM - CONNECTING MINDS

Newsletter | Oct - Dec 24 | Issue : 9

ESTEEM

CONSTRUCTIVE SOLUTIONS

Esteem Projects Pvt. Ltd.

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30+ Years
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New Year Greetings from MD's Desk

Dear Colleagues,

As we bid farewell to 2024, a year marked by significant challenges, achievements and unwavering dedication, I want to express my sincere gratitude for your invaluable contributions.

Our company's foundation day, a milestone we celebrate each December, has added special meaning this year. Worth noting here that Esteem has successfully completed highly challenging projects during year 2024.

As we embark on a new year, 2025, we are poised for even greater heights. Exciting new projects await us, and we have identified promising opportunities to further expand our horizons.

I am confident that with your continued passion and dedication, we will achieve remarkable results and set new benchmarks of excellence.

Let's embrace the challenges and opportunities that lie ahead.

I wish each of you and your families a joyous and a prosperous New Year 2025 filled with health, happiness, and success.

Thank you once again.

**Best Wishes
Gurcharan Singh**



May 2025 be a year full
of peace, love and
success for all of us.

News From Projects

Ongoing Projects

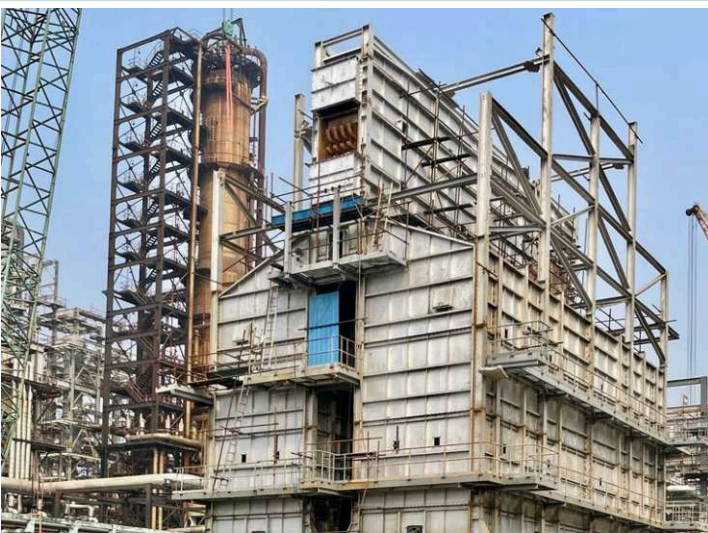


Job No. 245



- Heater along with Electrical & Instrumentation work nearing completion.
- Fuel Gas Skids dispatched.

Job No. 251



- Erection of radiant sections and convection modules have been completed.
- Refractory lining of radiant section is in progress.
- APH installed.
- Stack is ready for dispatch.

News From Projects

Ongoing Projects



Job No. 257



- Erection of Radiant modules for Heater (405-H-0002) Completed.
- Erection of Radiant module I, II & III for Heater (405-H-0001) completed and coil insertion done.
- Convection for Heater (405-H-0002) received at site.
- Burners and Dampers received at Site.

Job No. 258



- All Equipment received and erected.
- Ketene Furnace is ready for hydro test.
- Mechanical work near completion.
- Instrument and Electrical work is going on.
- Pre commissioning activities to commence shortly.

News From Projects

Ongoing Projects



Job No. 266

- Furnace Pipes ordered, balance under process.
- Engineering in progress.

Job No. 270

- Major long delivery items ordered,
- Engineering is in progress.
- Structural steel delivered at shop.
- Fabrication in progress.

Job No. 275

- Esteem team will arrive at site by 15th Jan 2025.
- Mobilisation of resources commenced.
- Lodging, boarding and transport arrangement for team have been made.

Job No. 269

- Engineering work is in progress.
- Major mechanical long lead items ordered.
- Balance ordering in progress.

Job No. 273

- Material procurement is in progress.
- Furnace shutdown taken.
- Esteem team arrived at site and activities commenced.

Job No. 276

- Equipment drawings have been approved by client.
- Mechanical items (partly) have been received at EMMU, balance are on the way.
- Delivery of instrument items being arranged.





Know your colleague



PRAVEEN KUMAR
SR. MECHANICAL ENGINEER

I am a Fired Heaters Mechanical Engineer with 16 years of experience in Oil and Gas sector, specializing in the Fabrication, Erection and Commissioning of the Fired Heaters used in Refineries and Petrochemical plants. My focus is on ensuring the safety, durability and compliance of these system while optimizing performance and efficiency.

I am a very simple and inquisitive person who enjoy working in team environment. I believe that I have a good balance of practical skill about my position for Mechanical Engineering

YOUR ADVISE TO NEW EMPLOYEES

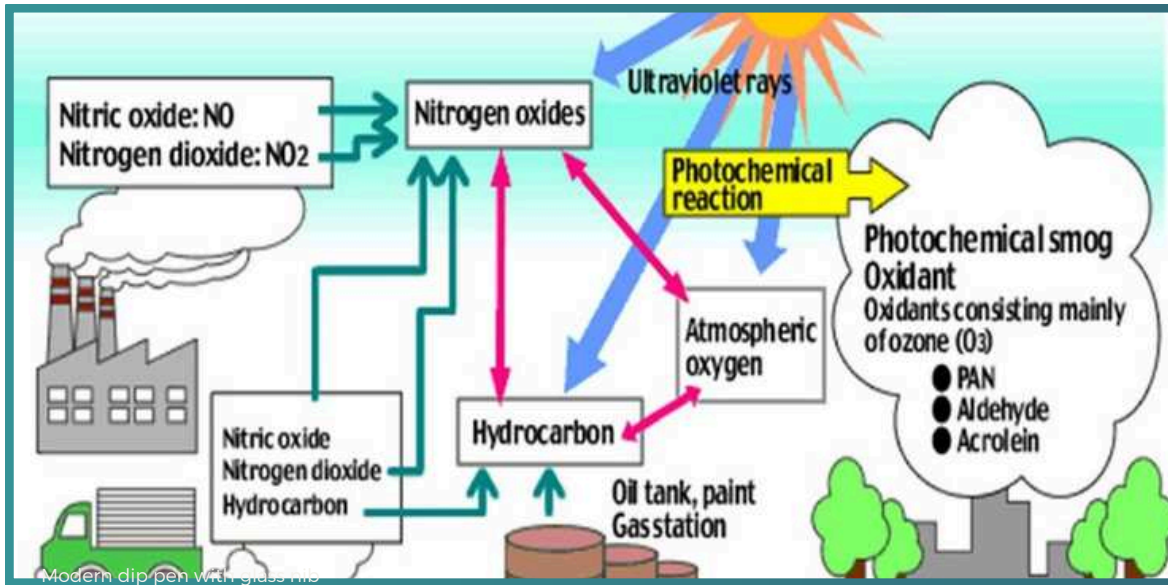
Focus on understanding the company culture and building relationships with colleagues. Stay organized, manage your time well. Don't be afraid to make mistakes—learn from them, ask questions and clear your doubts.

Maintain a positive attitude and stay flexible in the face of change. Your growth and success come from continuous learning and engagement.

Praveen is based at Esteem Modular Manufacturing Unit, Baddi. He has been a part of the manufacturing unit for the past seven years. He is married to Mrs. Bindu Dhiman and they have an fourteen-year-old son, Panshul Dhiman.

Praveen enjoys swimming and reading books in addition to visiting historical palaces.





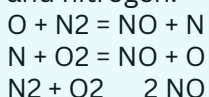
NOX MECHANISMS IN FIRED HEATER

The principal nitrogen pollutants generated by Fired Heaters and Boilers are nitric oxide (NO) and nitrogen dioxide (NO₂), collectively referred to as NO_x.

The main reason NO_x is considered an environmental problem is because it initiates reactions that result in the production of ozone (O₃) and acid rain. By controlling NO_x levels, along with the other pollutants, the levels of acid rain and ozone can be reduced.

NO_x in Fired Heater is produced from three primary mechanisms: thermal, prompt and fuel bound.

Thermal NO_x is produced from the high temperature reaction of nitrogen and oxygen. In fired heaters about 95 per cent of the NO_x is from NO. The net result is NO_x production from oxygen and nitrogen.



Prompt NO_x is a low-temperature phenomenon, fuel pyrolyses forming hydrocarbon fragments that react with the nitrogen in the combustion air very close to the flame boundary. These are oxidized promptly at the flame front.

The fuel-bound mechanism requires nitrogen chemically bound within the fuel molecule for example ammonia, amines etc. When present, nitrogen containing fuel fragments react with oxygen to produce large concentrations of NO_x.

An understanding of NO_x remediation strategies and burner technology can help select and operate the right burner as well as maintain optimal unit efficiency.

Esteem Projects Pvt. Ltd. design and construct Fired Heaters with minimum NO_x by advanced in-house design & engineering, manufacturing & construction methodology and using burner manufacturer's latest Low NO_x / Ultra Low NO_x burners.



DILLIP BEHERA
HEAD - PROCESS DPT.

**A very warm
welcome to you all!**



Mukesh Lal Das
Refractory Engineer

Diploma in Mechanical
Experience of 20 years



Biju Patric
Lead QA/QC Engineer

B. Tech Mechanical
Experience of 18 years



Dipesh Singh
Process Engineer

B. Tech Chemical
Experience of 3 + years



Vikrant Singh
Safety Officer

BSC, Diploma (HSE)
Experience of 6 years



Chilakalapalli V. Kishore
Planning Engineer

B.E. Mechanical
Experience of 6+ years



Vivek Kumar
Mech. Draftsman

Diploma- Mech
Experience of 2 years



**A very warm
welcome to you all!**



Manish
Store Officer
B. Sc

Experience of 6 years



Md Sirajul Haque
QA/QC Engineer

B. Tech Mechanical
Experience of 9 years



Sayedur Rehman
Refractory Engineer

Diploma - Civil
Experience of 19 years



Rituraj Singh
**Electrical &
Instrumentation
Engineer**

BE - Electrical
Experience of 7 years



Arun Kumar Kashyap
Planning Manager

BE (Mech)
Experience of 15 years

Looking forward for a fruitful and long-lasting relationship.



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Esteem Projects Pvt. Ltd.

31st

Foundation Day Celebration



**UNITY IS OUR STRENGTH
LET'S CHERISH OUR SUCCESS AND KEEP ESTEEM'S FLAG HIGH**

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Dispatch of radiant coil panels, lot 1 to 251 site from EGW

Dispatch of convection modules to 257 site from EMMU

Dispatch of radiant coil panels, lot 2 to 251 site from EGW

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For any inputs /articles /photographs for publishing in
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