

# ESTEEM - CONNECTING MINDS

JUL - SEP2023 ISSUE : 4

# ESTEEM

CONSTRUCTIVE SOLUTIONS

**HEATERS**

**REFORMERS**

**CRACKERS**

**EPC**

**BOILERS**

**DESIGN, MODULAR FABRICATION,  
REVAMP, SHUTDOWN,  
CONSTRUCTION, COMMISSIONING ....**



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### RIL - ONE MORE MILESTONE

Remarkable achievement for world's largest cracker furnaces shutdown.

Gurinder Singh & Prasanta Saha

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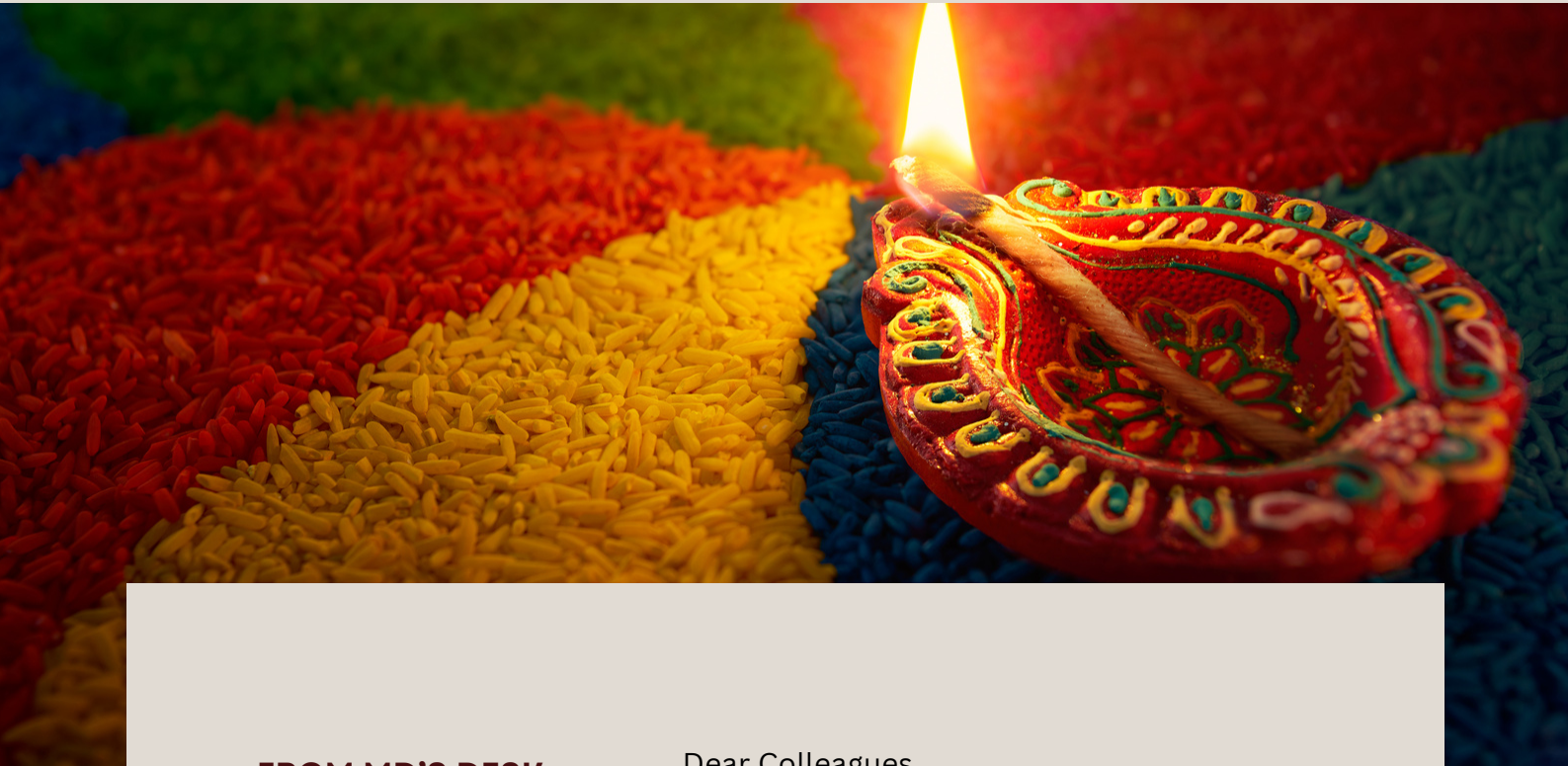
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### NEWS FROM HR

New faces & Esteem Moments.

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#### FROM MD'S DESK



Dear Colleagues,

Happy Diwali wishes to you and your family,

As we revel in the festive spirit of Diwali, it's a moment to reflect on our remarkable journey. Our recent successful completion of the 'RIL ROGC Revamp' project stands as a testament to our collective hard work and dedication.

We are approaching to our 30th foundation day, let's celebrate our steadfast commitment to innovation and quality. Our journey, shaped by discipline and a relentless pursuit of excellence, continues to inspire and drive us forward.

I extend my gratitude to each one of you for your invaluable contributions. Together, we are building a legacy of distinction and success in engineering & execution.

Best Wishes  
**Gurcharan Singh**





# RIL- ROGC SHUTDOWN

*Passion for Success.....*



## News From RIL- ROGC

We are delighted to share the news of our recent remarkable achievement: the successful Revamp of the world's largest Cracker Furnaces at RIL JMD.

This endeavor was exceptionally challenging, compounded by the very tight mobilization schedule of hardly two weeks. Our goal was to complete the job within 15 days from the furnace handover date. Proud to announce that we not only met this target but did so with outstanding quality and a safe working environment, totaling more than 3,00,000 safe man-hours.

The scope of work included the replacement of all Radiant Coil Bundles of two Cracker Furnaces and partial coil replacement in four Cracker Furnaces, with various exotic compositions, such as 20Cr, 10Ni / 35Cr, 45Ni, and more. Additionally, we carried out bullnose modification works in five Furnaces, P22 elbow replacements, cutting and re-alignment of inlet header system including re-adjustment of Rigid Struts and Constant Springs, in addition to other Refractory/CF misc. works. Conducting inspections on the stack, radiant, and convection sections was an integral part of the job, along with the necessity for Layher scaffolding. Notably, majority of the works were not even envisaged during the order stage such as Inlet Headers, Struts, Hangers etc. which had to be executed as per Client's instructions in order to ensure the Furnaces are handed over within the acceptable parameters.

Despite of all the challenges and anonymous additional works, Esteem has successfully executed the entire scope including the additional scope to the full satisfaction of Client. Undertaking such an ambitious and challenging project within a short time frame demanded substantial mobilization and infrastructure arrangements.

Following will provide an overview of our mobilization efforts and infrastructure at the site (within a period of three weeks) :

- Deployment of more than 550 skilled personnel across various categories.
- Successful qualification of 22 coil welders for various exotic materials.
- Comprehensive trade testing for all categories.
- Arrangements for the accommodation, food, and transportation of the 560 work-men.
- Arrangement of hotels for the entire staff and engineers.
- Arranging 8 buses, 6 cars, a pickup truck, 2 trailers, 2 Faranas, and 2 Cranes.
- Collaboration with hiring agencies for modular (Layher) and conventional scaffolding, X-ray equipment (6 sources), PWHT equipment, as well as refractory and insulation services.



- Establishment of a porta cabin office and temporary warehouse at site.
- Deployment of 27 Tig welding machines.
- Provision of 54 grinding machines of various specifications.
- Use of 92 chain pulley blocks of varying capacities.
- Installation of 4 Electrical hoists.
- Introduction of 2 in-house custom-made tube cutting machines.
- Use of automatic cutting and beveling machines.

This impressive journey from aspiration to reality was made possible through the following key proactive measures:

- Micro and dynamic planning.
- Effective risk management.
- Thorough density analysis.
- Capable backup teams.
- Direct involvement of senior management.
- Adherence to higher standards of quality and safety practices.
- Clear and efficient communication with stakeholders.
- Strong leadership of the team.
- Innovative ideas and approaches.
- Timely, on the spot decision-making.
- Maximizing the effective utilization of manpower.

The success of such a major and highly critical shutdown job reflects the strength, capability and vision of our entire team. We are not only prepared for more challenges in the future, but we are also confident in our ability to overcome them and continue to excel.

**Congratulations to Entire Esteem Team!**

## Ongoing Projects

### Job No. 243

- All fabricated items dispatched.
- All items from vendor shops dispatched.
- Documentation is in progress.

### Job No. 245



- Engineering nearing completion.
- Erection completed for Radiant, Floor, Walls & arch panels of 58B-F-001, 002 & 003.
- Site progress in full swing.
- Stack Module (I, II & III) & Convection Hollow Module for 58B-F-001 dispatched.
- Hot Flue Gas Duct Module-1 dispatched.

### Job No. 251



- 80% Engineering completed.
- Radiant Panels dispatch to site continuing.
- All long lead items ordered.
- Site team mobilized.

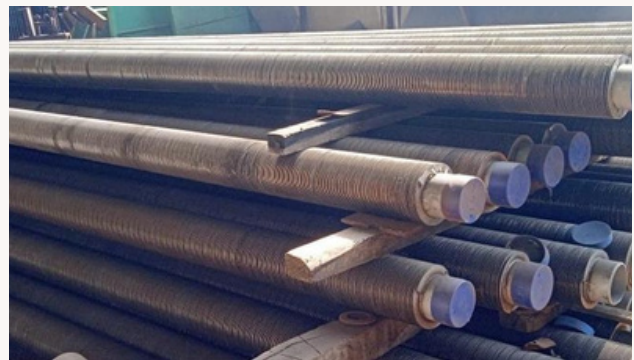
## Ongoing Projects

### Job No. 257



- Detailed Engineering nearing completion of Mechanical Items.
- Long delivery items ordered.
- Foundation Template of all 3 Heater dispatched to site.
- Fabrication in progress at workshop.

### Job No. 258



- Engineering nearing completion.
- Major components of furnaces are ordered.
- Major critical items like columns, vacuum ring pumps, DCS ordered.
- First piping MTO ordered.
- 60% structural items ordered and received at site.
- Plates for tankages ordered.
- Site team mobilized and fabrication started.
- Radiant panels and floor of heater fabrication completed.

### Job No. 260

- Basic engineering completed.
- Procurement in progress.

### Job No. 261

- Engineering completed.
- Fabrication in progress.



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



**Arwind Kumar Singh**  
Sr. GM Projects



**Maheshwaran Naganathan**  
Sr.Manager-Inspection



**Rajender Singh Arya**  
Design Engineer



**Vinay Kumar Tiwari**  
Sr.Store Officer



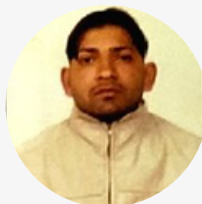
**Vishal Kumar Singh**  
Sr.Mechanical Engineer



**Rwittik Barkataki**  
Mechanical Engineer



**Puspanjan Charan**  
Planning Engineer



**Mohan Singh**  
Maintenance Engineer (Elec.& Mech.)

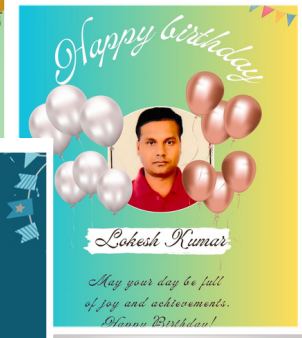
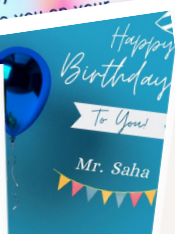
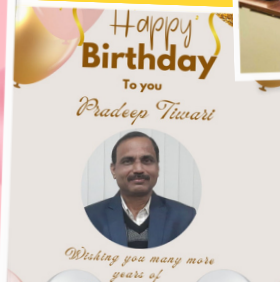


**Gurtej Walia**  
Legal Officer

**Looking forward for a fruitful and long-lasting relationship.**



## Happy Birthday

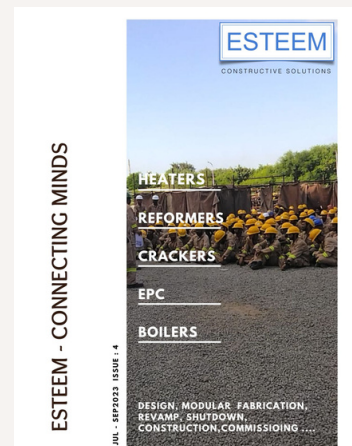
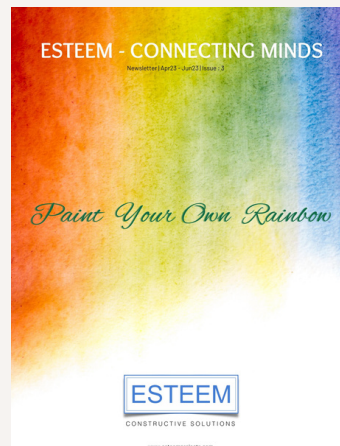






For any inputs /articles /photographs for publishing in "ESTEEM CONNECTING MINDS"  
Please contact following persons :

Mr. Prasanta Saha (prasanta.saha@esteem.co.in)  
Ms. Madhu Sharma (madhu.sharma@esteem.co.in)



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