

*Seminar on Lean Weld 4.0*

*Industry 4.0 is driving change in the world of manufacturing and consequently in welding. It is imperative to be prepared for what lies ahead. In this context, Lincoln Electric India is pleased to announce a seminar on Lean Six Sigma Welding meeting industry 4.0 requirements. This will be a two day seminar on 17th & 18th of Sept. 2018, in Lincoln Electric, Chennai, starting at 9:30AM on 17th and ending at 5:00 PM on 18th.*

*The objectives of seminar are as below:*

- *Understanding Arc Welding, Quality and costs*
- *7 Wastes in Arc Welding & Eliminating them*
- *Productivity Enhancement & Cost Reduction*
- *Data Management in Arc Welding ( Internet of Things)*
- *Virtual Welding*

The FIRST Industrial Revolution

- Industry 1.0, late 18th century
- Steam power & mechanization

The SECOND Industrial Revolution

- Industry 2.0, late 19<sup>th</sup> century
- Electricity & mass production

The THIRD Industrial Revolution

- Industry 3.0, 1970's-1990's
- PLC, Computer, automation

The FOURTH Industrial Revolution

- Industry 4.0, ongoing
- Disparate elements of Industry 4.0
  - - Artificial Intelligence
  - - Internet of Things
  - - Virtual & Augmented Reality
  - - Additive Manufacturing

## *Seminar on Lean Weld 4.0*

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### *Day 1 – 17<sup>th</sup> Sep, Monday*

- *Understanding Arc welding*
  - a) *Basics of arc welding*
  - b) *Codes and standards*
- *Understanding Arc welding Quality*
- *Understanding Arc welding Cost*
- *7 wastes in Arc welding*
- *Elimination of waste in Arc welding*
- *Productivity enhancement and cost reduction in Arc welding*
  - a) *Productivity improvement through waste elimination*
  - b) *Productivity improvement through technology*
- *Live demo in weldtech*

### *Day 2 – 18<sup>th</sup> Sep, Tuesday*

- *Data management in arc welding*
    - a) *Data acquisition*
    - b) *Data analysis & decision making*
  - *Live demo in weldtech*
  - *Virtual welding*
  - *Live demo virtual welding*
  - *Welding Cost Case Study : Live work on case followed by team presentations.*
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*For whom is this program*

- ✓ *Welding Supervisors*
- ✓ *Welding Engineers*
- ✓ *Production Managers (Overseeing significant Welding)*
- ✓ *Quality Engineers (Controlling Significant Welding)*



*Venue Address:*

*Lincoln Electric Company (I) Pvt Ltd*

*P40, Domestic Tariff Area, Central Avenue,*

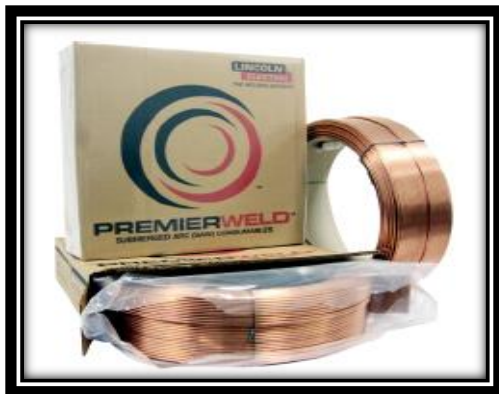
*Mahindra World City, Chengalpet*

*Kancheepuram– 603 002*

*Phone: 044 – 4742 4999*

*RSVP : Latest by 25th Aug 2018 at: [Renuka@lincolnelectric.in](mailto:Renuka@lincolnelectric.in)*

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**Welding Solutions for Every Industry**

<p><b>POWER GENERATION</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>HEAVY FABRICATION</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>STRUCTURAL</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>PIPE MILL</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>PIPELINE</b></p> <p>LINCOLN ELECTRIC</p>
<p><b>TRANSPORTATION</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>PROCESS INDUSTRIES</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>MAINTENANCE &amp; REPAIR</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>SHIPBUILDING</b></p> <p>LINCOLN ELECTRIC</p>	<p><b>OFFSHORE</b></p> <p>LINCOLN ELECTRIC</p>