

GFG FOUNDATION | REWISE

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# BLAST FURNACE

# ELECTRIC ARC FURNACE

# DEFINITIONS

Uses hot  
compressed air

**Produces CO<sub>2</sub>  
emissions**

**Is in the form of  
a tower**

**Will help GFG  
Liberty Steel  
achieve net zero**

**Powered by wind  
and solar energy**



**Galati is  
investing in two  
of these**

# Switching from natural gas to hydrogen

**Reduces CO2  
emissions**

**Is the equivalent of  
switching to electric  
cars from petrol and  
diesel**

**Carbon neutral means that there is a balance between the amount of carbon emitted and the amount of carbon absorbed.**

A blast furnace in the form of a tower into which a blast of hot compressed air can be introduced from below. Such furnaces are used primarily to make iron from a mixture of iron ore, coke, and limestone.

**An electric ARC is a furnace which uses an electric arc as a heat source for steel production.**