

## PRESS RELEASE

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### **Tenova and SMS Concast Built New Steel Making Plant for More Efficient Steel Production Process**

**Castellanza, September 12, 2017** – A new Steel Making Plant, belonging to Chadormalu Mining & Industrial Co. (CMIC) and built on technological supplies and engineering provided by Tenova in consortium with SMS Concast, has been successfully started up in Ardakan, Yazd province, in central Iran.

The order to Tenova was placed by Engineering and Commercial Services GmbH (CPG), in partnership with Parsland Mines & Industries Development Company (PAMIDCO).

The plant, fed with DRI pellets, is equipped with a 170-ton Electric Arc Furnace (EAF) and Ladle Furnace (LF) provided by Tenova and a six-strand continuous caster provided by SMS Concast, and has provision for future installation of a Vacuum Degasser that will allow production of special steel grades (SBQ) for both internal use and export.

Tenova EAF, designed to produce 1,2 Mio tons per year of billet from cold DRI, is equipped with a 160 MVA transformer and a chemical package with a total rated flow of 10'000Nm<sup>3</sup>/hour.

The EAF, currently processing a mix of cold DRI and scrap, was designed to process Hot DRI directly charged from the plant's Iron Reduction Reactor at a temperature up to 600°C, with an estimated productivity increase of 30% against the design target. When the Hot DRI charging system will be in place, Tenova EAF is expected to be the first furnace in Iran to produce steel through this process.

Beyond supply of the technological equipment, Tenova developed for CPG an extensive Plant Engineering package including overall plant process, logistics, basic engineering of auxiliary plants and equipment.

This greenfield project was developed with a strong co-operation with local subcontractors, who supplied steel structures, distribution network and auxiliary equipment following Tenova basic engineering. Parts of the EAF and LF were also built in Iran based on Tenova detailed engineering.

#### **About Tenova**

*Tenova, a Techint Group company, is a worldwide partner for innovative, reliable and sustainable solutions in metals and mining. Leveraging a workforce of over three thousand forward-thinking professionals located in 22 countries across 5 continents, Tenova designs technologies and develops services that help companies reduce costs, save energy, limit environmental impact and improve working conditions.*

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