

Project title: Steel Ball Production

Products/Services: Different size of Steel Ball for Ball Mill in copper mining industry

Project description: With the expansion plans of the copper concentrate production capacity, there is an increasing demand for high-quality steel balls of varying dimensions. Consequently, this project has embarked on establishing a steel ball production line, employing both the roll-forming and forging methods to cater to different ball sizes, with an annual capacity of 45,000 tons. The production of these steel balls necessitates precise metallurgical knowledge concerning microstructure and mechanical insights in terms of line design. In the absence of a well-engineered production line, these balls can be crushed in the copper ore grinding mills, leading not only to a halt in production but also incurring excessive costs on the ore comminution system. In addition to fulfilling the country's demand and other markets, these steel balls with the highest possible quality hold export value to neighboring countries such as Armenia, Afghanistan, Uzbekistan, and others.

Location: Kerman-Iran

Annual capacity: 450,000 Ton

Financial Structure

Financial Table

Description	Equivalent in Euro
Fix Capital	4,558,976
Working Capital	4,242,230
Total Investment	8,801,206

- Value of foreign equipment/machinery 3,673,500 €
- Value of local equipment/machinery 793,638 €

- **Net Present Value (NPV):** 1,246,328,749,064 IRR for 5 Year

- **Internal Rate of Return (IRR) :** 43%

- **Payback Period (PP) :** 1.94 Year

Project Status

Local / internal raw material access 100 %

Sale : Anticipated export market 50 %

Construction Period : 1 Year

Project Status :

- Feasibility study available? Yes No
- Required land provided? Yes No
- Legal permissions (establishment license, foreign currency quota, environment, etc) taken? Yes No
- Partnership agreement concluded with local/foreign investor? Yes No
- Financing agreement concluded? Yes No
- Agreement with local / foreign contractor(s) concluded? Yes No
- Infrastructural utilities (electricity, water supply, telecommunication, fuel, road, etc) procured? Yes No
- List of know-how, machinery, equipment, as well as seller / builder companies defined? Yes No
- Purchase agreement for machinery, equipments and know-how concluded? Yes No