

NM0273: Baseline and monitoring methodology for Coal-oxygen smelting reduction iron-making technology with lumping ore pre-reduction

Baseline scenario



Blast Furnace



Pig Iron



By-product gas

Atmosphere after incineration or
Other iron and steel making process for meeting energy demand

Power Generation:
Grid or FF plant

Heat: FF boilers

Project Activity



Corex



Pig Iron



By-product gas



CCPP

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Main Reasons for Rejection:

Major problem is the data availability to apply such methodology; since it relies on a benchmark where data should be obtained from the top 20% performing steel plants utilizing the baseline technology.

- Some of the baseline and project equations are not clear and logic is not understandable.

Benchmarking is only based on the size of blast furnaces selected for benchmark and not based on variation in capacity, quality of the ore and other possible parameters influencing production and emissions performance, which could be significant (as PPs mention up to 6%).