

 PERTECO SRL			JOB NUMBER			
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ENVIRONMENTAL DATA

- Temperature min. : _____ °C
- Temperature max. : _____ °C
- Altitude (m.a.s.l) : _____ m

ELECTRICAL DATA

- Medium voltage : _____ V AC (+/- 5%)
- Low voltage : _____ V AC (+/- 5%)
- Auxiliary voltage : _____ V AC (+/- 5%)
- Solenoid voltage : _____ V DC (+/- 5%)
- Network frequency : _____ Hz (+/- 1%)



EAF DATA

- EAF Tapping capacity : _____ ton
 - Tap to tap time : _____ minutes
 - Power on time : _____ minutes
 - Internal section at IV hole : _____ m²
 - Length of IV hole pipe : _____ m
 - Drawings with plant view and side views of existing plant : _____
- NOTE: If available the AutoCAD files (.dwg)
- Minimum distance of lower edge of canopy hood from upper border of EAF shell (the minimum distance that won't interfere with cranes or other equipments in EAF area) : _____ m
 - Shell diameter : _____ mm
 - Shell gap (between top of the furnace and EAF roof) : _____ mm
 - Electrodes diameter : _____ mm

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- Electrode gap : _____ mm
- Slag door area : _____ m²
- Tapping temperature : _____ °C
- Tapping carbon content : _____ %
- Natural gas/LPG consumption (average value) : _____ Nm³/h or Nm³/t steel
- Burner oxygen consumption (average value) : _____ Nm³/h or Nm³/t steel
- Post combustion O₂ consumption (average value) : _____ Nm³/h or Nm³/t steel
- Lance O₂ consumption (average value) : _____ Nm³/h or Nm³/t steel
- Charge carbon consumption (average value) : _____ kg/h or kg/t steel
- Injection carbon consumption (average value) : _____ kg/h or kg/t steel
- Electrode consumption (average value) : _____ kg/h or kg/t steel
- Pressure drop inside EAF during melting phase : _____ Pa
- Temperature near EAF : _____ °C
- % scrap charged : _____
- % DRI or HBI : _____
- Weight charged : _____ ton

LF DATA

- LF Tapping capacity : _____ ton
- LF tap to tap time : _____ minutes
- Expected LF fumes flow rate after mixing with air : _____ Nm³/h
- Expected LF fumes temperature after mixing with air : _____ °C
- Drawings with plant view and side views of LF : _____

NOTE: If not shown in EAF drawings above requested; If available the AutoCAD files (.dwg)

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RMHS DATA

- table with definition of all suction points requested in RMHS : _____

NOTE: Identification of each suction point and its flow rate and temperature of fumes

- Drawings with plant view and side views of RMHS points : _____

NOTE: If not shown in drawings above requested; If available the AutoCAD files (.dwg)

OUTLET LIMITS DATA

- Maximum dust content in outlet fumes according to local standards: _____ mg/Nm³

