

**Table 1: POSCO Decarbonization Optimization Results Summary  
(Hard Constraints Scenario)**

Parameter	Value	Unit
Planning Horizon	2025-2050 (26 years)	Years
Total Objective Value (USD)	\$139,160	USD (discounted)
Annual Steel Demand (Mt)	35.68	Mt/year
Primary Technology Route	BF-BOF (Conventional)	Technology
BF-BOF Capacity (Mt/year)	39.65	Mt/year
Clean Technology Investment	None (0 Mt)	Investment
Capacity Utilization Rate	90%	%
Flat Auto Exposed Share	20%	%
Flat Other Share	60%	%
Long Products Share	20%	%