

Constructed in an existing production / manufacturing facility with some available utilities – that may need some upgrading:

This data is based on more than 40 EPC capital projects valued between \$5 million & \$150 million constructed in the last 5 years.

Note: These values are appropriate to Inside Battery Limits (ISBL work), Outside Battery Limits (OSBL scope / work) is not included in the following percentages.

#	EPC Category	Typical % Value	Low-High % Range
1	Major Equipment - Pumps, Towers, H.E.'s, Reactors, Compressors etc. (includes freight)	23.5%	18% - 28%
2	Materials (Bulks - Stone, Concrete, Rebar, Formwork, Structural Steel, Piping, Cable etc. / Engineered Bulks - Instrumentation)	21.3%	16% - 26%
3	Direct Field Labor Costs – including Specialist Sub-Contractors	24.3%	19% - 28%
4	Field Construction In-Directs / General Conditions / Site Establishment / Construction Equipment / Scaffolding / Support Labor / Small Tools & Consumables	11.4%	8% - 14%
5	Engineering / Detailed Design / H.O. Support / Procurement & Project Controls / Project Management	12.8%	10% - 15%
6	Construction Management / Field Project Controls / Expediting / Safety	6.7%	5.5% - 8.5%
7	TOTAL	100%	



To develop a budget value for the Offsite Battery Limit (OSBL), Compass International advises the reader to review the scope of the offsite work. If significant new power, steam, wastewater treatment facilities, lengthy pipe tracks, tank farms & loading facilities such as truck, rail, barge or jetties are required to support the new (ISBL) facility, then this value could be 20% to 50% of the (ISBL) value.

If the (OSBL) scope is minimal, then 5% to 10% of the (ISBL) value may be appropriate.



Compass International has numerous cost models for various industrial-type facilities contained in our 2025 Front End Conceptual Estimating Database. This Database goes into much further detail to assist the estimator tasked with estimating similar projects.

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