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 Process Plant Cost
 Estimating Cost
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 estimates to decide
 between project
 alternatives and
 optimize the...(PDF)
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 ...Cost estimation may
 be defined as the
 process of forecasting
 the expenses that
 must be incurred to
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 These expenses take
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 expenditures involved

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ESTIMATING (ENGINEERING DESIGN GUIDELINE) Co Author: Reni Mutiara Sari Author / Editor Karl Kolmetz TABLE OF CONTENTS INTRODUCTION 5 Scope 5 General Consideration 6 A. Sources of Price Data 6 B. Capital Requirement 7 C. Capital Investments 7 I. Fixed Capital Investment 7 i. Method 1 7 ii. Method 2 8 ...Engineering Solutions www.klmtechgroup.com General Process Plant Cost Estimating Engineering the expenses that must be incurred to manufacture a product. These expenses take into consideration all expenditures involved in design and manufacturing with all the related service facilities such as pattern making, tool

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 i[DOC] General Process
 Plant Cost Estimating
 EngineeringOnce
 individual equipment
 costs are known from
 either manufacturers'
 price quotations or
 estimating charts as
 discussed in the
 previous chapter, they
 can be utilized to form
 preliminary total plant
 cost estimates. A
 suggested sequence
 for obtaining such
 estimates is as follows:
 1.Plant Cost Estimates
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 comprehensive
 tabulation of
 estimating cost data
 presented in the March
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Chemical Engineering
 magazine. This article
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 Techniques for
 Preliminary Capital
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 the source for the
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 Equipment Cost
 Estimating by Ratio
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 general, it is not
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 the assessment of cost
 estimates contained in
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 estimates from
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Cost Estimating
Once individual
equipment costs are
known from either
manufacturers' price
quotations or
estimating charts as
discussed in the
previous chapter, they
can be utilized to form
preliminary total plant
cost estimates. A
suggested sequence
for obtaining such
estimates is as follows:
1.
*General Process Plant
Cost Estimating
Engineering*

B.2.2 Overview of the
Cost Estimating
Process Traditionally,
cost estimates are
produced by gathering
input, developing the
cost estimate and its
documentation, and
generating necessary
output. Table B-1
explains the GAO cost
estimating process
steps that should be
followed if accurate
and credible cost
estimates are to be
developed.
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Plant Cost
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*Process Equipment
Cost Estimation Final
Report*
In general, it is not

practical or cost-
effective to use IPE for
the assessment of cost
estimates contained in
proposals for novel
processes or in
generating rough cost
estimates from
laboratory scale data.
Instead, the factored
estimation
methodology, a cost-
effective methodology
widely used in
industry, is more
suitable for that
application.