Monsanto

CENTRAL ENGINEERING DEPARTMENT
COST ENGINEERING SECTION

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CE ESTIMATE NUMBER 7817-01.0
DATE 4-14-75
COST ENGINEER C. WITTEKIND

AREA CATEGORY SUMMARY

PROJECT TITLE MFG. OF MONOCHLOROBIPHENYL IN AROCLOR DEPT
LOCATION KRUMMRICH PLANT COMPANY MICC
AREA NUMBER(S) _____ AREA TITLE AROCLOR

CAT	DESCRIPTION		EQUIPMENT	LABOR	MATERIAL	LUMP SUM	TOTAL COST
01	EQUIPMENT ITEMS		100 000				100 000
02	INSTRUMENT ITEMS		130 000				130 000
03	S & T EQUIPMENT			12 000	5 000		17 000
04	S & T INSTRUMENTS			65 000	25 000		90 000
05	PILING						
06	EXCAVATION						
07	FOUNDATIONS			1 500	200		1 [illegible]
08	STRUCTURES & SUPPORT			2 000	1 700		3 700
09	OTHER BUILDING ITEMS			400	300		700
10	FIRE PROTECT & SPRNK			300	200		500
11	PIPING			59 000	46 000		105 000
12	DUCTWORK			300	200		500
13	ELECTRICAL			78 000	52 000		130 000
14	SITE PREPARATION						
15	SEWERS DRAINS & PLBG.						
16	UNDERGROUND MAINS						
17	YARDS ROADS & FENCES						
18	RAILROADS						
19	INSULATION			12 000	6 000		18 000
20	PAINTING			600	200		800
21	WALLS ROOF & ROOFING						
23	LUMP SUM CONTRACTS					2 000	2 000
	SUB-TOTAL CAPITAL DIRECTS		230 000	231 000	137 000	2 000	600 000
22	UNINSTALLED SPARES						
	TOTAL CAPITAL DIRECTS		230 000	231 000	137 000	2 000	600 000

CAT	DESCRIPTION	DISTRIB	EQUIPMENT	LABOR	MATERIAL	LUMP SUM	TOTAL COST
90	DISMANTLING	18 000		18 000	12		19 [illegible]
91	START UP EXP. - TAXES	19 000					19 000
92	REPAIRS EXPENSE						
93	RELOC & MOD EXPENSE	59 000		52 000	30		174 000
94	START UP RELOC & MOD	5 000		3 000	4		[illegible]
99	CONTINGENCIES - EXP.	[illegible]					[illegible]
	TOTAL EXPENSE	141 000		[illegible]	54 000	[illegible]	[illegible]
	TOTAL AREA	141 000	[illegible]	[illegible]	191 000	32 000	[illegible]

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