NCSX June 2007 ETC
TABLE I - DESIGN LABOR

WBS Number: 133

WBS Title: External Trim Coils

Job Number: 1354

Job Title: Trim Coil Design and Procurement

Job Manager: Mike Kalish

Description:

Title I and II Engineering for PF Coils and Title III Support of Fabrication Effort.

Task ID	FY07$K					HOURS																	Basis of Estimate
	41MS	48MS	37STK	35TRVL	31OT	ORNL EM	ORNL DSN	EMEM	EMSM	EMSB	EMTB	EAEM	EADM	EEEM	EESM	EESB	EETB	ECEM	ECSB	ECTB	RM2	RM3	
Title I & II Design																							
Complete PF Coil SRD												8											**Engineering Judgment - Past Experience (Jupiter 2)**
Analysis												40											**Engineering Judgment - Past Experience (Jupiter 2)**
FDR Dwgs													60										**Engineering Judgment - Past Experience (Jupiter 2)**
Prepare for FDR												16											**Engineering Judgment - Past Experience (Jupiter 2)**
FDR												8											**Engineering Judgment - Past Experience (Jupiter 2)**
Prepare Procurement Coil Spec												24											**Engineering Judgment - Past Experience (Jupiter 2)**
Detail Drawings													64										**4 drawings at 16 hours per drawing**
Disposition FDR Chits												8											**Engineering Judgment - Past Experience (Jupiter 2)**
Trim Coil Structure, Design																							Engineering Judgment
Subtotal Title I & II Design				***$0.0K***								***104***	***124***										
Title III Design																							
Coil Procurement Support												24											**Past experience in procuring simple coils**
Fabrication Support												116											3months, 1day per week, +20hrs drafting -**Minimal oversight due to simple conventional coil design, based on experience**
Fabrication Support Travel				$2.5K																			One trip to west coast assuming vendor is in Ca (worst case assumption)
Subtotal Title III Design				***$2.5K***								***140***	***0***										