NCSX June 2007 ETC TABLE I - DESIGN LABOR

WBS Number: 43									
WBS Title: DC Systems									
Job Number: 4301									
Job Title: DC Systems									
Job Manager: Raki Ramkrishnan									
Description: This is a LOE effort for design	intergration, i	interface det		nd oversigh		nostic syste	ms design	, fabricatio	on, and installation Basis of Estimate
Task Description	Activity	M&S	Travel	EASM	ECEM	EEEM	EESM	EETB	(See Notes on Basis of Estimate Below)
	7.0								,555 (15155 5), 25515 5, 251111215 251511)
Condition/spare parts inventory	431-200					8	6		
Organize & verify documentation	431-210			10		16	3		
Document status	431-215					16			
Reactivate DF & PEI units	431-225	\$8K				40	8	40	
Dummy Load test	431-230	\$1K				32	8	40	
Simulate each of 6 pwr loops in PSCAD	431-240					104			
c-site dc sys dsn documentation	431-250			240		180			
Redo power loop design	431-261			240		128			
Fabricate bus components	431-265	\$45K		40		16	40	120	
Power cabling & Installation	431-275	\$140K		240		40	240	520	
Maint of C-site rectifiers	431-276	\$5K					40	120	
Totals		\$199K	\$0K	770	n	580	345	840	
lotais		\$199K	φυn	770	U	280	343	840	
Notes on the Basis of Estimate									
(1) Design and Fabrication/Installation						·			
Estimate based on estensive experience of engineer	performing simila	r tasks at PPP	L and EBAS	CO - e.g. rece	nt experien	ce on NSTX. 1	This is basica	ılly a	
job modifying existing PPPL systems and re-installing									
drawings needed (new or modified), the effort to reco	nfigure existing o	designs, interfa	aces with oth	ner systems, s	supervision	of on-site cor	ntractors, and	l all	
necessary re-activation and pre-operational testing ne	eeded.			,	-		-		
(2) M&S									
M&S estimated based on similar recent procurements	s and needed inte	rfaces with ins	stallation co	ntractors - thi	s will be Da	vis-Bacon cov	vered, except	tor	
those activities within the Test Cell.							•		