

## Information Sheet No. 5 - Generic WBS & COA

COST	DESCRIPTION		WP 00 COSTS	WP 01 COSTS	WP 02 COSTS	WP 03 COSTS	WP 04 COSTS	WP 05 COSTS	WP 06 COSTS	WP 07 COSTS	WP 08 COSTS	WP 09 COSTS	WP 10 COSTS	WP 11 COSTS	OVERALL TOTAL COSTS
1000	DIRECT MATERIALS														
	MAJOR EQUIPMENT			112,927,100		469,366,300	174,136,700	28,697,400	239,476,600	102,822,900			6,181,000		1,133,608,000
	PIPING			35,087,200	11,900	115,328,800	41,260,400		15,462,300	7,363,400	23,800	2,141,600			216,679,400
	INSTRUMENTS			42,695,700	1,209,600	139,613,800	34,377,400	6,305,000	46,607,400	11,471,800	540,000		928,800	18,475,600	302,225,100
	ELECTRICAL SUB TOTAL SPARE PARTS CATALYST AND CHEMICALS		17,234,800	39,001,600		81,099,700	53,495,200	4,856,500	24,250,600	2,197,800			466,400		222,602,600
			17,234,800	229,711,600	1,221,500	805,408,600	303,269,700	39,858,900	325,796,900	123,855,900	563,800	2,141,600	7,576,200	18,475,600	1,875,115,100
				574,300	3,100	2,013,500	758,100	99,600	814,500	309,600	1,400	5,400	18,900	46,200	4,644,600
	SHIPPING / FREIGHT			12,418,000	10,000	28,387,000	9,625,000	693,000	15,937,000	7,327,000	6,000	26,000	17,000	157,000	74,603,000
	THIRD PARTY INSPECTION 0.5%			559,000		2,347,000	869,000	140,000	1,195,000	510,000			30,000		5,650,000
	SUB TOTAL DIRECT MATERIALS		17,234,800	243,262,900	1,234,600	838,156,100	314,521,800	40,791,500	343,743,400	132,002,500	571,200	2,173,000	7,642,100	18,678,800	1,960,012,700
2000	MATERIAL AND LABOUR CONTRACTS	TOTAL SITE DLMHRS													
	TANKAGE	203,500					56,695,100								56,695,100
	CIVILS	3,438,815		148,457,300	1,180,300	233,412,300	59,350,500	3,737,800	94,834,300	3,823,600			1,859,000		546,655,100
	STEELWORK	706,584		75,647,700		102,872,000	8,650,400	544,500	10,816,300						198,530,900
	BUILDINGS	3,292		1,960,000				·							1,960,000
	PROTECTIVE COVER	1,646		980,000											980,000
	PRE COMMISSIONING LABOUR	326,504	1,140,700	8,894,000	74,000	19,658,000	7,405,000	809,000	7,495,000	1,318,000	23,000	254,000	319,000	78,000	47,341,000
4000	LABOUR ONLY CONTRACTS														
	MECHANICAL	3,768,943		86,811,000	145,000	291,956,000	102,384,000	15,103,000	124,701,000	32,539,000	1,039,000	10,453,000	4,895,000		670,026,000
	INSTRUMENTATION	676,704	36,836,000	15,542,000	1,284,000	27,825,000	7,927,000	2,19,00	8,926,000	3,525,000			679,000	2,952,000	107,515,000
	ELECTRICAL	392,992		16,987,000		26,125,000	15,789,000	1,614,000	15,735,000	1,371,000			737,000		78,358,000
	SCAFFOLDING	1,693,415		18,506,000		62,777,000	33,717,000	4,703,000	21,622,000	5,793,000			2,378,000		149,496,000
	SUB TOTAL CONTRACTS	11,212,395	55,084,800	617,047,900	3,917,900	1,602,781,400	606,439,800	69,321,800	627,873,000	180,372,100	1,633,200	12,880,000	18,509,100	21,708,800	3,817,569,800
5000	HEAVY LIFT			6,746,400	18,700	15,248,900	6,688,000	67,100	3,832,400	398,200	1,540	28,600	15,400		33,045,240
5000	SITE FACILITIES		2,902,000	25,494,000	213,000	56,280,000	21,207,200	2,316,000	21,448,500	3,774,000	67,000	727,000	914,000	224,000	135,566,700
5100	SITE FACILITIES - PHASE 2					3,760,000									3,760,000
6600	CONSTRUCTION MANAGEMENT 865,400		14,411,000	126,606,000	1,059,000	279,496,000	105,298,000	11,504,000	106,565,000	18,743,000	334,000	3,612,000	4,540,000	1,113,000	673,281,000
6900	VENDORS ENGINEERS		873,000	2,785,500	545,600	2,372,700	15,253,700		1,341,800	553,300	485,100				24,210,700
8000	H.O SERVICES :- 1,144,782		1,140,700	164,999,000	1,141,000	238,541,000	157,684,000	19,929,000	127,289,000	43,481,000	2,416,000	1,141,000	6,307,000	3,758,000	767,826,700
	PRE COMMISSIONING SUPERVISION														
	Included in Construction Management above  SUB TOTAL PROJECT COST		74 444 500	040.070.000	0.005.000	0.400.400.000	040 570 700	400 407 600	000 040 700	047 004 000	4.000.040	40 000 000	20 205 522	00 000 000	F 455 000 110
	FORWARD ESCALATION CONTINGENCY - GENERAL		74,411,500	943,678,800	6,895,200	2,198,480,000	912,570,700	103,137,900	888,349,700	247,321,600	4,936,840	18,388,600	30,285,500	26,803,800	5,455,260,140
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			74 444 500	040.070.000	0.005.000	0.400.400.000	040 570 700	400 407 000	000 040 700	047 004 000	4.000.040	40.000.000	20 205 522	00 000 000	F 455 000 440
	TOTAL PROJECT COST		74,411,500	943,678,800	6,895,200	2,198,480,000	912,570,700	103,137,900	888,349,700	247,321,600	4,936,840	18,388,600	30,285,500	26,803,800	5,455,260,140
	CONTRACTORS MARK UP														<u> </u>
	CONTINGENCY		74 444 500	040.070.000	0.005.005	0.400.400.000	040 570 700	400 407 000	000 040 700	047.004.005	4.000.040	40.000.000	20.005.500	00.000.000	E 455 000 4 15
	TOTAL PROJECT COST		74,411,500	943,678,800	6,895,200	2,198,480,000	912,570,700	103,137,900	888,349,700	247,321,600	4,936,840	18,388,600	30,285,500	26,803,800	5,455,260,140
	TOTAL PROJECT US\$ @ 9.115		8,160,000	103,530,000	760,000	241,190,000	100,120,000	11,320,000	97,460,000	27,130,000	540,000	2,20,00	3,320,000	2,940,000	598,490,000