Final Close the Deal "version. Week 22 (Refruit in large Size)

Thast week of Way 1999 / First week June).

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				thast week of Way 1999 It ist week June).																
SEGMENT	ELEMENT	ACRO- NYM(S)	Hypotheseis 1FF = 1R and 1Euro = FF6.5596 SHORT DESCRIPTION PER ELEMENT UNIT AND COSTING BASELINE For full and contractual info, refer to the formal proposal and Scope of Supply:	CONTRAC- TOR	MAIN SUB- CONTRAC TORS	DELIV- ERY TO ITB IN MONTHS ARO	PME TOTAL DEVT COST	PME TOTAL PROD COST	TOTAL COST OF SERVICES	TOTAL COST LOG DEVT	TOTAL COST LOG PROD	CS CONTRACTOR HANDLING FEE ADDED 3.20%	CS CONTRACTOR INTEGRATION FEE ADDED 7.00%	ESTIMATED CUSTOMS DUTIES BASED ON 4% (ADS/FPI) or 24% (EWS)	SUPPORT ITB (ADS) EXTENDED WARRANTY (SUBS)	TOTAL COST 14% VAT INCLUDED	Manpower Factor %	Waterial Factor %	ROE % of TOTAL COST	REMARKS (ASSUMPTIONS INCLUDING CFE For info only Full and contractual statements are detailed in the formal proposal and Scope of Supply
1	2	3	Participation as contracting entity responsible for the	1 . 5	8	 	•	<u>~</u>	10	 '`	!*-		 		,,,		16.70	14.7		
NIME CONTRACT PARTICIPATION	Combat System Main Contractor		delivery of the Combat Suite portion of the complete Vessel, including Combat Suite Logistics, as part of the Prime Contractor.	ADS -	NCS	and the state of t			230,473					4333		234,80	81%	19%	47%	Costs to include all integration design and engine
•	Integration Contractor	SINC	Level 4 Combat Suite Integration	ADS	NCS							THE PARTY								Loss is include an integration reason are required activities at Combat Suite level, including shore integration, enboard installation and setting to we trialling (HATs & SATs) for all vessels, includes installation costs. Includes CS LOGENG
· .	Integration Test Bed		Level 4 Integration facility set up in WEWS NDS. Includes weapon/tracker range integration at OTB or LNB	ADS	NCS		68,403	105,902						3416	N/s	177,72	1 73%	27%		Assumes provision of 1 x NAV radar from GFC. UPS, cables, switchboards etc are GFE.
	-		Mission Scenario Simulation Controller for ITB and	ADS			10,713							210		10,92	3 67%	33%	49%	Part of CTT
	integration Scenario Stimulator		CTT	<u> </u>									<u> </u>			ļ	0	 	ļ	No EMC/EMI study performed by ADS.
•	EMC/EMI study		EMC/EMI study	ADS	NCS			-								_	0 100%		1009	No responsibility (no consequential damages whatsoever).
	Cable Connection Work	1	Cable Connection Work	ADS	HSA Signa:	ai			23,092							23,09	2 100%		1009	
			SUB-TOTAL PRIME CONTRACTOR	 		<u> </u>	79,116	105,902				0	0	7,959		0 446,54				
SYSTEM INTEGRATION	Versatile Modular Console	VMC	Console of nuggedised-CCTS HW and SW building blocks. Configured in three versions: STANDARD (twin 20° screen with AM and QUERTY keypads and rollerball), TRACKER (standard plus a joystick) and HALF-HEIGHT (standard with single screen).	ADS	1			-									0			All recurring costs are captured in the user sub- systems. Console costs are based on CONRAC, not BAR displays. Completion of current SUVECS contracts is assolinedudes generation of 5 datapacks, 1 prototype
	Console inserts	VMC-I	Mechanical housings conformal to VMC to provide for mounting of NSUs and operating panels for DPG, SAM, SSM and EWS and manual stateboards, Also provides stowage space for anti-flash gear and publications. Sited between each VMC.	ADS		3	4 1,072	926				4.4			N	2.00	XX 65%	35%		each insert and the manufacture of 40 inserts (Assumes each combat system has 10 inserts. I will be made of similar material to the VMC (ste- finished with the same processes.
	Interface Units	1FU	IFU's for interfacing sub-systems to the System LAN.	ADS			1,072			-										All customization and production costs for SIFL included in individual sub-system costs as requi Completion of current SUVECS contract is asset
	Information Management	IMS NIC	Specification to be handed over to SAN/ARMSCOR asap	DASSAULT	r	 								-		include	ed			NIC HW costs included. Costs of provision of fit cable plant for vessels and ITB is costed under
	System Network Interface Card Bus tester included	вти	asay 			2	4 17,492	15,61	1 5,980	2,770	2.1	34 157	6 3445	3	11	49,25	55 40	% 551	6 100°	Platform scope of supply.
•	Additional development, expentise, and hardware costs	<u> </u>	Expertise for risk mitigation on IMS. Interface software between serial line driver and APIS Additional dedicated CPU for running APIS	ADS S.	NCS			-									0			
	System Management System	n SMS	Sub-system for system monitoring, technical data recording, alignment and LAN management-1x System Management Console (Std VMC); 2 x printer	ADS																
				<u> </u>			4 12,53	7.95	0 1,84	3,33	3,5	06			4	29,6	47 49%	51%	17%	This includes all VSS development plus 4 syste
	Video Switching System	vss	Distribution of video signals	Thales			4 3,49	3.57	7 45	57	0 1,0	26 3	37 73	В	3	40 10.5	42			including LOG and training. The VSS consists of video switching unit housed in a 19° rack and a monitor, 20° with quad feature. 4 video recording channels per system.
	Tilt Measurement System	TMS	Portable Automatic tilt sensing and correction system (2 x systems for fleet)	M-Tek							a water a second									Includes 2 portable TMS. Accelerometers may subject to ITAR restrictions of the USA. Clearar be required prior to acceptance of this item by ITAE with its based on existing M-TEK designs. A PC used for logging data is not part of the scoop
				ADS			76:	7	9 2	32	2	13	45 99	9 .	 	64 1,4		-	+	supply.
	Bridge Safety Unit	BSU	Bridge safety cutout for all weapon and launcher positions	ADS			2,50	<u> </u>					<u> </u>		<u> </u>	13 2,5	19		-	25 x positions per Operations room including F
	Ops Room Chairs	1	25 x 4 = 100 rotating egonomically efficient and robu chairs.	ADS			37	2								3			<u> </u>	- a bouncin bei Aberenava reatti su-
COMAND AND	Combat Management System: - MFCs - SIFUs - TCs	CMS	SUB-TOTAL SYSTEM INTEGRATION	1	NCS		3823		6 830	701	67	29 198	19 428	4 (10	79 957	45			Based on TAVITAC NT building blocks adapter customised for SAN functional requirements. Muse of locally developed COTS-based hardwar ECDIS based on Seven C's Braries. S57 form supplied by SAN hydrographer (GTE). MEPS functionality to run on SCC.
CONTROL							1					1								

			· .																~	<i>)</i>
SEGMENT	ELEMENT	ACRO NYM(S		CONTRA		DELIV- ERY_ TO-ITB - IN MONTHS - ARO	PME JOTAL DEVT COST	PME TOTAL PROD COST	TOTAL COST OF SERVICES	TOTAL COST LOG DEVT	TOTAL COST LOG PROD	CS CONTRACTOR HANDLING FEE ADDED 3.20%	CS CONTRACTOR INTEGRATION FEE ADDED 7.00%	ESTIMATED CUSTOMS DUTIES BASED ON 4% (ADS/FPI) or 24% (EWS)	SUPPORT ITB (ADS) EXTENDED WARRANTY	TOTAL COST 14% VAT	Manpower Factor	Material Factor	ROE % of TOTAL COST	REMARKS (ASSUMPTIONS INCLUDING (For into only Full and contractual statements are detailed in the formal proposal and Scope of Supply
1	2	3		5	6	7	8	9	10	11	12	13	14	15	(SUBS)	INCLUDED 17	18%	19%	20%	21
	Command Display	CDY	CARCEPROR SO ASSUMMENTA BROOK CONTROL OF POSITION (Along side or from deckhead forward of position). NOT SUPPLIED ANYMORE PER CUSTOMER	ADS		33	398	1,200	260	165	364				27	2,409				The command display will enable command to tactical picture and any video window displayer screen of the tactical picture compilation conso
	Formation Command Unit	FCU	REQUEST																	
	Navigation Integration	NSS	SUB-TOTAL COMMAND AND CONTROL				160,235	57,456	67,412	27,422	14,644	0	0	6352	1,330	334,851		1		
IAVIGATION	Navigation Computer	NAC	Integration all nav sensors and computation via a Na IFU, INS IFU, Nav Sensor Rack (front panels), Nav Computer.	av AUS		Party Street Str								-						Segment responsibility excluded. All NAV sensors and the Sensor Electronics Cabinet (SEC) will be supplied, installed and Integrated by the PFM. Interfaces to the vari- sensors will be provided by the PFM at the S The Navigation Distribution Subsystem is n required for safe navigation of the vessel, no required for safe navigation of the vessel, no
			SUP TOTAL NAVIGATION			24	6.789	4,787								15,492	57%	43%	22%	SA. The synchro interface requirement is not paths pricing, should it be required, there will additional 1208 Krands about.
9 12 20 20 20 2	Shipborne Communications		SUB-TOTAL NAVIGATION Integrated internal & external bus-based	GRINTEK	Signaal,	-	6,789	4,787	910	1,655	1,063	0	0	0	287					
MUNICATIONS	System	And the second s	communications system. Scope of supply is 4 x ship sets plus training school upgrade. ITB non-cable hardware to be installed in Vessel 4 (ie ITB will not retain radio/network MMI hardware)		Grintek, RC			7-									Average and the state of the st			Internal comms based on FOCON system as p Comms URS dated 24/04/99, except Announce Center which is based on COTS amplifiers inst the customer specified Backens/Siernens. The will result in a price increase of about 4,8 Mran FOCON equipment for the training school is lin the upgrade of the submarine fit (WILLS).
			Sound Powered Telephone	Not ADS		26		47,306					6789		1,726			67%	55%	PFM supplied
			GMDSS Equipment Link Control System	Not ADS Thales																PFM supplied
				,,,,,,,,,					İ								:			Integrated with CMS and VSS.
		SCS	Optional ITS Equipment to provide residual	Not ADS		<u> </u>	1,879	1,494	132	462	633	167	366	<u> </u>	95	5,229			_	
NOX 00 47 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1			communications capability for the ITB after vessel 4.		_															Not offered
	EW System Integration		SUB-TOTAL COMMUNICATIONS Programme Management, System Eng., Logistic &	Grintek			27,265	48,800	4,653	4,736	4,513	3,271	7,155	0	1,821	102214				İ
LECTRONIC WARFARE		ASI	Design Engineering, Integration of EW segment, Development and supply of EHMU, BLCP, BLKU, Consoles and inserts (inclusive of ESC, ECC, RIS, AJS processors, 4 screens, keyboards and rollerballs Equipment Racks, and Power Distribution System	(Avitronics)		28	13.744	25,563	2.364	2,777	2.649	1770	3872	-	2,577					Assuming overall segment integration and per responsibility
	EMCON	EMCO N	Emission Control system comprising 1 touch screen control panel per system installed in EWS console insert.	Grintek (Avitronics))	28				206			138		2,577		44%			COTS based PC - no environmental/EMC qualification
	ESM & ECM Controllers	ESC/	ESM & ECM co-ordination and control	Grintek (Avitronics)		28					- 211					1,979		0%	30%	Design will take cognisance for later incorpora
	Radar intercept System		Capability in accordance with RIS spec inclusive of Super ESMU and SUPER RANU	Grintek (Avitronics)	Sysdel	28	6,142 16,039	٠.		573 1,160	2,237	297 1989	5491		54	9,273				LWS and CIS. No functionality reduction. Price can be reduced by about R4.8 mil if HEI
	Comms Intercept Syst	CIS	Stand alone VHF/UHF Communications Intercept System - no OF	Grintek (Avitronics)	GST								· · · · · · · · · · · · · · · · · · ·		3,202			17%		is awarded to SYSDEL. No ESC interface
	Active Jamming System	AJS	6.5-18GHz 400W NJ pedestals port & starboard	Grintek	Systei	28	2.276			1,107			750		379	10,708	62%	5%	32%	No functionality reduction
	Laser Warning System	LWS	LWS 300 Laser Warning System	(Avitronics) Grintek	MMS	28	7,140	19,810	365	746	1,285	1115	2439		1,946	34.847	26%	14%	60%	
	Rocket Decoy System	RDS	Fitted for but not with 2x steerable Multi-role Rocket Launchers for launchin	(Avitronics)	Bartens Va	28	114	0	Ġ	a	a	4	9		a	127	100%	0%	0%	Cost includes installation design
`	, , , , , , , , , , , , , , , , , , ,		24 SuperBarricade decoys per MRL Super Stockade Decoys included : 5 IR & 10 RF	(Avitronics)						-		:								System # 1 with 2 Production MRLs into ITB of be available for CTT. EDM MRL can't be defined for System 1 as refurbishment costs would high. Includes 15 SuperStockade decays for development of the system of the
		<u> </u>				28	9,395	12,122	1,048	1,083	1,304	932	2038		1,199	29,121	33%	5%		testing. 8 MRLs & 16 RU Lockers, at 350 KRands per
	Rocket Decay Ammunition	MO	85 for Qualification: Super Pallisade 15 IR & 40 R Super Stockade 10 IR & 20 RF. 384 for Warstock: Super Pallisade 96 IR & 192 R Super Stockade 32 IR & 64 RF. Must be bought as one batch. 24 Rocket Test Units.	(Avitronics)	Walicp Defence Systems					and the second s			TOP THE TOP TH		12 months warrantee	, ,		-		Quoted import duties of 24% of Ex-Works pric 85 decoys were added for system qualification Rocket simulators (6 per vessel only) included for maintenance. Decoy price is only valid for production in one Price to STRON can be reduced if funding is
					f	. N/A	a	12,860		q	658					13,518	0%	0%	100%	at the same time under Project Tomahawk.
			CHR TOTAL ELECTRONIC MARCANE			1.00	2			7,651	10,401	6,513	14,247	C	9,418	217042				
	Surveillance and Target		SUB-TOTAL ELECTRONIC WARFARE MRR-3D Thomson radar for air and surface search	Thomson		1.03	55,604	106,898	6,310	7,851	10,401		1	1.	2 months imm CAT					.
				Thomson			55,604		6,314	7,651					12 months from SAT 24 months from FAT	2.77				Scope of supply = 4 x Systems only. MMI = VMC consoles costed as part of CMS.
ZADAR	Surveillance and Target Acquisition Radar	STAR	MRR-3D Thomson radar for air and surface search and target acquisition, with electronic stabilisation.		Telkurpat		55,604	106,898	6,310	7,651	29,922			6199	24 months from FAT	161,170				
RADAR	Surveillance and Target Acquisition Radar	STAR	MRR-3D Thomson radar for air and surface search and target acquisition, with electronic stabilisation.		Telkunat		55,604		5,376	1,63,1	· ·			6199						

LEGAL SERVICES

						2								* *				1		-,50,
Ì	ŀ	İ	Hypotheseis 1FF = 1R and 1Euro = FF6.5596		MAIN	DELIV- ERY_	. PME	PME	TOTAL]	CS	i cs	ESTIMATED	SUPPORT	 	1		T BOE	PENADKO (1997)
ļ			SHORT DESCRIPTION PER ELEMENT	CONTRAC		TOTTE	TOTAL	TOTAL	COST	TOTAL	TOTAL	CONTRACTO	CONTRACTOR	CUSTOMS	ITE (ADS)	TOTAL		1	ROE	REMARKS (ASSUMPTIONS INCLUDING CF
		ACRO	UNIT AND COSTING BASELINE	TOR	C SUB GONTRAC		DEVT	PROD	SERVICES	COST	LOG	HANDLING FEE	1	DUTIES	` '	COST	Ī	1	of	Full and contractual statements are
SEGMENT		NYM(S		1	TORS	MONTHS	COST	COST		DEVT	PROD	ADDED	FEE ADDED	BASED ON	EXTENDED		Manpower	Material		detailed in the formal proposal
1	ELEMENT	3	the formal proposal and Scope of Supply			\ ARO	<u> </u>		<u> </u>		1	3.20%	7,00%	4% (ADS/FPI) or 24% (EWS)	WARRANTY	14% VAT	Factor	Factor	COST	and Scope of Supply
	Forward Line-of-Sight (LOS)		EBED MORROR REPORTED FROM THE PROPERTY OF THE PORTED FOR THE	3	nos MTEK; Aerosek	1 7	8	9	10.	11	12	13	14	15	(SUBS)	INCLUDED 17	18%	19%	20%	
,	Tracker: Optronic Radar	1	MTEK dual FOV TV carners. MMI = 1 x console with		C212	1	1						1			<u> </u>	1976	1379		<u></u>
	Tracker	ĺ	MMI SW development by C2I2.		1	1	1			i	İ					ĺ	1].	Ship scope of supply is 1 RT and 1 EOT (less TIS per Ship for 4 ships. Which translates into 4 RTs
TRACKERS .	1	1			1	1	ì	1		1		1	İ	i i	ĺ		Ì			EOTs. The GFE is detailed in ESD document 12
INACKERS	1		į	- [}	ļ	1	ļ					ļ.				0000 BM issue C dated 1 March 1999. The first s
1		1		ļ		1	Į		1	1	1	1	ł			•				will be qualified as a full ORT in the ITB,
}			,	1	1]	-	ĺ				İ	İ				1	1		İ
1		<u> </u>				27	87,993	111,535	4.82	12,110	16,07	871	19056			1	ł			1
	Aft LOS Tracker: Electro-opti Tracker	ICEOT	ORT minus radar subsystem and plus 3-5um TIS &	Reutech Defend (ESD)	C212	1			1,02.	12,110	10,01,	0/1	19056		f1,928	272.230	34%	20%	46%	
1	Tracker.	Į	Eloptro LRF & DFOV TV carmera & 1 x console. Growth potential to full ORT.	,,		1	1	1		1	Į		1				1			Included in above, as the RT and EOT shares the
1		}	Crows potential to the Ott.	ł	1		ļ]		Ì]	[development cost is/will be managed as an integra
-1					į	1	-		Ī										1	program. Baseline prices previously quoted did no separately provide for a quote for the EOT.
}	}			[1	Landard Co.		ļ]							1 '	properties for a quote for the EQ1.
+	1			-	1		Included in	included in	Included in	included in	Included in	included in	Included in	İ		1 1	Ì		1	
}	Target Designation Sights	TDS	2 X M-TEK manual pedestals with day/night	M-Tek	MTEX - GFE	 	above	above	above	above	above	above	above		Included in above	ا ا				
	Port and Starboard		exchangeable optical binocular/monocular and co-ax	iai	(SAN)	Ì	1			i I									 	As per prices and scope of supply from M-Tek.
ŀ	į		Spescom combat searchlight mounting positions and	1		İ	f .]		1							1 '	Spescom searchlight to be provided GFE from SA
ŀ	ł	1	designation trigger to CMS.		1		1 1			[]		1						ļ	1 /	
1		1					1					ĺ	1	·- [[1 '	
com veletore pris Zolika.			COURT TOTAL TRACKERS		1.	12	1,248			383	622	172	377	[1	1 '	
	Medium Gun Weapon		SUB-TOTAL TRACKERS 1 x 76/62mm OTOBREDA Compact mounting with				89,239	113,820	4,984						144	T,551;		ļ	<u> </u>	1
	Imedian dan weapon	MG4A	1 x 76/52mm OTOBREDA Compact mounting with CAUBAN electric drives with new ballistic processor	Reutech Defence	Parsec						-1-3		1,5,455		12,0/1	277617				
GUN SYSTEMS			for Very Short Range Air Defence (VSHORAD).	(ESD)	Engineering		}					}		Ì		ļ			/	Costs include weapon/tracker ITB phase only (gur
į	•		surface engagement, shore bombardment and COIN	1000,		l	!			i		•	1	- 1					1 '	not be integrated in main (TB). GFE = 4 x electric guns complete including Gun Panels 1, 2 and 3 pl
			engagement		1	26	6,730	. 2.775	798	1,770	494			- 1	į				1 '	SAN ILS and all ammunition requirements. ITB sa
'	Dual Purpose Gun	DPG	1 x twin 35mm Dual Purpose Gun Mounting for Inner	Denel (LIW)	ESD; MTEK;					1,770	494	457	1001		271	14,296	58%	42%	25%	of supply is 1 x Gun emutator.
			Layer Air Defence (ILAD), surface engagement and COIN engagement includes CLFC capability.	ł	MMS;HYTE								1	ł						Cost for 4 systems assumes: Guns 1 to 4 installed
			(AHEAD and ammunition is delayed)		K SKF; EDH:		! I	į		;				i		ĺ				onboard (i.e. Gun 1 = WITB, 4 guns at production
			Valuation and and and and and and and and and an	!	CME:ELCA					ļ į								<u> </u>		standarded plus a prototype). GFE = unlinked star
İ	İ			į	TRACONSA]			[i l]					l = l	ammunition. ITB = 1 x gun emulator.
		1] 1	22,809	34,596	2,170	3,551	10,701	2712		*					1 1	
ľ	Close Range Battery	CRB	2 x 20mm Oerlikon single GAM BO-1 mountings for	GFE					2.17	3,331	10,701	2/12	5933		2.286	84,758	45%	65%	20%	
}-	35mm Ammucition	-	COIN and enforcement of State Authority GFE from SANDF stores. (AHEAD ammunition	GFE		<u> </u>														GFE from SAN inventory; plus SAN ILS and all
1		1	delayed)	GFE	İ															ammunition requirements. AHEAD ammunition delayed
Carrie Maria	PER PAGE TRACE	12000	SUB-TOTAL GUN SYSTEMS	1	-		29,539	37,371					*						0%	ALICAD SISSINGSHOW DESSAGE
[3	Ship Installation		Engagement planning, selection and checkout SW	Aerospatiale	Kentron	-	23,503	31,3711	2,958	. 5,321	11,195	3,170	6934	0	2,557	99054	* *			
SURFACE- TO-			integrated with Surface WCU, 2 x quadruple/4 x dual				!													Scape of supply = 4 x Systems only.
URFACE MISSILE			launchers. Aerospatiale MM40/Anti-Navire Future	1]		}					included	inciuded	i	induded					No VISAC consoles
7	Surface-to-Surface Missiles		(ANF). 1 + 16 x initial stock SSM and cannisters. Options	1	<u> </u>			121,434			38,854	-	ļ	6412	İ	156,700				
		! !	25 above.		(Kentron)		l i									100,700			100%	
	ALKING THE TAX ASS.		SUB-TOTAL SURF-TO-SURF MISSILE SYS	TEM	(Keribori)			209,712				included	induded	8388	12 months warrantee	218,100		1	100%	
}	Hull Mounted Sonar	HMS	Foreign-sourced medium frequency (6-9 kHz) hull	Toomsoo	ADS;		U	331,145		0	38,854	0	0]	14800	0	384800				
NTI- SUBMARINE		i I	mounted sonar with ADS VMC and Mattek transducer	Marconi	Mattek		-	ĺ			I				12 months from SAT					Scope of supply = 4 x Systems only. Mission record
WARFARE		{	array. Thomson Marconi Sonar 4130C1, Costs to	Sonar	1			er i		-	l	Included	Included	[2	24 months from FAT	1	l			not included.
أ.	Bathythermograph		include fixed sonar dome.	120	<u> </u>			95,728			15,781			4460	ĺ	445.000				
٦			Expendable bathythermograph from off-the-shelf overseas procurement, Integrated with HMS via Seria	Thomson	Sippican	1								4400		115,969			100%	
			fink	Sonar]]		Į.			j		included	Included	- 1	12 months warrantee					-
ŧ	Underwater Telephone	UWT	Standard SAN LF UWT with two hull mounted		Mattek			6.231			2,958			368		9,557			, 1	
) l	transducers.	1		ł		- Included	J	ĺ	Ī		1	-						Cost to assume ILS is SAN GFE (UWT is standard
2000 Days - 1000							0	101,959	<u>-</u>	n n	18,739	D			Included	_ ^ 0	53%	47%		SAN item from ADS)
		-	SUB-TOTAL ASW SYSTEM			1					10,139			4828	0	125,526				
S	Short Range Air Defence	SAM	Vertical Launched SAM.		Denei			1			- 1	1		1						Development includes 10 test MSLs, GFE= missite.
S	Short Range Air Defence Missile System	SAM	SUB-TOTAL ASW SYSTEM Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit	i	Denei (Somothem)]	J	· I			i			- 1	- 1		
IRFACE TO AIR	Short Range Air Defence	SAM	Vertical Launched SAM.	i					· ·				ĺ	ļ					į	targets. Scope of supply is 4 x ship installations or
IRFACE TO AIR	Short Range Air Defence	SAM	Vertical Launched SAM.	i					·							17.00			į	
PREACE TO AIR SSILE SYSTEM	Short Range Air Defence Missile System	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit	i		27	194,545	12 99A	. 2 533	R OSO										targets. Scope of supply is 4 x ship installations or
RFACE TO AIR SSILE SYSTEM	Short Range Air Defence	SAM	Vertical Launched SAM.	(Kentron)	(Somethern)	27	194,545	12,998	2,532	8,050	8,354	8124	17771		1,493	253,868	45%	20%	35%	targets. Scope of supply is 4 x stip installations or PPM (TB set (1 x MSS + SCP) offered as option.
RFACE TO AIR SSILE SYSTEM	Short Range Air Defence Missile System SAM Ammunition	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit initial supply of 32 rounds	(Kentron) Denai	(Somethem)	27	o	78,624	2,532	8.050 a	8,354 C	8124	17771		1,493		45%	20%	35%	targets. Scope of supply is 4 x ship installations of PPM fTB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (to
RFACE TO AIR SSILE SYSTEM	Short Range Air Defence Missile System SAM Ammunition	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit mittal supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY.	(Kentron) Denai	(Somethern)	27	194,545 0 194,545		2,532 0 2,532	a	8,354 0 8,354	0	0	7-	O	78,624	45%	20%	35%	targets. Scope of supply is 4 x stip installations or PPM (TB set (1 x MSS + SCP) offered as option.
IRFACE TO AIR SSILE SYSTEM	Short Range Air Defence Missile System SAM Ammunition	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit initial supply of 32 rounds	(Kentron) Denai	(Somethern)	27	o	78,624	0	a		0	0	Ö	1,493 0 1,493		45%	20%	35%	targets. Scope of supply is 4 x ship installations o PPM ITB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (to 16 months) for the missies.
URFACE TO AIR ISSILE SYSTEM COMBAT TEAM	Short Range Air Defence Missile System SAM Ammunition	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit mittal supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY.	(Kentron) Denai	(Somethern)	27	o	78,624	0	a		0	0	0	O	78,624	45%	20%	35%	targets. Scope of supply is 4 x ship installations of PPM ITB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (till months) for the missiles.
URFACE TO AIR ISSILE SYSTEM	Short Range Air Defence Missile System SAM Ammunition	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit mittal supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY.	(Kentron) Denai	(Somethern)	27	o	78,624	0	a		0	0	0	O	78,624	45%	20%	35%	targets. Scope of supply is 4 x ship installations o PPM fTB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (to 16 months) for the missiles. To be installed at the ITB. Costs reflected are designost only and comprise the development of control
JRFACE TO AIR ISSILE SYSTEM COMBAT TEAM	Short Range Air Defence Missile System SAM Ammunition	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit mittal supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY.	(Kentron) Denai	(Somethern)	27	o	78,624	0	a		0	0	0	O	78,624	45%	20%	35%	targets. Scope of supply is 4 x ship installations of PPM ITB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (to 16 months) for the missiles. To be installed at the ITB, Costs reflected are designated and comprise the development of control room equipment, sensor simulator, platform simulation.
JRFACE TO AIR SSILE SYSTEM COMBAT TEAM TRAINER	Short Range Air Defence Missile System SAM Ammunition Combat Team Trainer	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit initial supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY. Procedural simulator for Combat learn training.	(Kentron) Denai	(Somethern)	271	0 194,545	78,624	0	8,050		0	0	0	1,493	78,624	45%	20%	35%	targets. Scope of supply is 4 x ship installations of PPM ITB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (to 16 months) for the missiles. To be installed at the ITB. Costs reflected are designed on the control of the months and the ITB. Costs reflected are designed on the ITB. The cost only and comprise the development of control from equipment, sensor simulator, platform simulation and weapon simulator, but exclude the Combat Suitand weapon simulator.
RFACE TO AIR SSILE SYSTEM S C C C C C C C C C C C C	Short Range Air Defence Missile System SAM Ammunition Combat Team Trainer	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit mittal supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY.	(Kentron) Denoi (Kentron) STEM	(Somethern)	27	0 194,545 28,948	78,624	0	0 8,050 1,745	0 8,354	0	0	0	O	78,624	45%	-	35%	targets. Scope of supply is 4 x ship installations of PPM FTB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (to 16 months) for the missiles. To be installed at the ITB. Costs reflected are designost only and comprise the development of control or equipment, sensor simulator, platform simulations.
IRFACE TO AIR SSILE SYSTEM S C OMBAT TEAM TRAINER	Short Range Air Defence Missile System SAM Ammunition Combat Team Trainer	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit initial supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY. Procedural simulator for Combat learn training.	(Kentron) Denoi (Kentron) STEM	(Somethern)	27	0 194,545	78,624	0	8,050		0	0	0	1,493	78.624 332492		-	35%	targets. Scope of supply is 4 x ship installations on PPM ITB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (tot 16 months) for the missibes. To be installed at the ITB, Costs reflected are designost only and comprise the development of control room equipment, sensor simulator, platform simulator, and weapon simulator, but exclude the Combat Suit
RFACE TO AIR SSILE SYSTEM S C DMBAT TEAM TRAINER	Short Range Air Defence Missile System SAM Ammunition Combat Team Trainer	SAM	Vertical Launched SAM. Fire Control Equipment suitable for a 16 missile fit initial supply of 32 rounds SUB-TOTAL SURFACE TO AIR MISSILE SY. Procedural simulator for Combat learn training.	(Kentron) Denai (Kentron) STEM	(Somethern)	277	0 194,545 28,948	78,624 91,622 0	0	0 8,050 1,745	0 8,354	0	0	0	1,493	78.624 332492 30.694		-	35%	targets. Scope of supply is 4 x ship installations on PPM ITB set (1 x MSS + SCP) offered as option. Extended warranty includes 4 additional months (tot 16 months) for the missibes. To be installed at the ITB. Costs reflected are design cost only and comprise the development of control room equipment, sensor simulator, platform simulator and weapon simulator, but exclude the Combat Suit.

ARMSCOR
2003 -01- 20
LEGAL SETVICES

Reduction due to no bonds whatsoever

Additional rebate to close the deal (including 5 MR for sonar + radar from Thomson-CSF)

BOTTOM LINE TO CLOSE THE DEAL

2,523,238 15,000 9,238

9,238

2,599,000

198 447344

SEGMENT	ELEMENT 2	ACRO- NYM(S)	Hypotheseis 1FF = 1R and 1Euro = FF6.5596 SHORT DESCRIPTION PER ELEMENT UNIT AND COSTING BASELINE For full and contractual info, refer to the formal proposal and Scope of Supply	CONTRAC- TOR	CONTRAC	DELIV- ERY TO ITB IN MONTHS ARO	PME TOTAL DEYT COST	PME TOTAL PROD COST	TOTAL COST OF SERVICES	TOTAL COST LOG DEVT	TOTAL COST LOG PROD		CS CONTRACTOR INTEGRATION FEE ADDED 7.00%		SUPPORT ITB (ADS) EXTENDED WARRANTY (SUBS)	TOTAL COST 14% VAT INCLUDED	Manpower Factor	Material Factor		
	Delivery of prototypes		Degrade to perception of the second for the				•		10	11	12	13	14	15	16	17	18%	19%	20%	21
орті он			equivalents of PME. Delivery and integration in ITB				<u> </u>				The state of the s					10,578				Not offered: IMS, TMS, SCS, EWS, TDS, MGW ADS, DPG: TBD later VSS: 870 KRands LCS: 579 KRands RT: 7858 KRands SAM: 1271 Krands

NOTE 1: LOGISTICS IS NOW LIMITED TO ONE OPERATIONAL COURSE AND ONE MAINTENANCE COURSE, AS PER CUSTOMER REQUEST.

NOTE 2 : All South-African sub-segment contractors, as well as FPI's (sonar and SSM) are back into "PART C" (no ADS responsibility on consequences due to timescales shifts and/or lack of performances)

NOTE 3 : ADS shall not perform any further EMC/EMI studies as far as the mast is concerned, and shall not be hold responsible for any consequential damages resulting from problems arising from the mast design.

NOTE 4: No guarantee or bond of any kind shall be required including repayment bond, performance bond, etc...
NOTE 5: The total price is for the Combat Suite as a whole, changing any one item could impact others.

NOTE 6: The final price that has been computed to close the deal is based on the assumption that ADS will be able to negociate reductions in the price of the sub-suppliers.

However, time did not allow ADS to obtain individual new quotes and ADS has taken the risk of reducing the price, based on an overall assumption, in order to close the deal.

