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Bill of Quantities/ Price Schedules

Mr. K. G. Gopinath

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1. Coast Watch Center North Equipment (Minimum Requirement)

Item Nr	Description	Quantity	Unit	Unit Price	Total Price
Command and control system (C2S)					
1	Remote Display Operator Position	2	Ea		
2	Composite Tracker incl 310-BF AIS Parser BFT	1	Ea		
3	LAN API recorder	1	Ea		
4	Equipment rack	3	Ea		
5	Ethernet switch	1	Ea		
6	KVM switch	1	Ea		
7	KVM extender	1	Ea		
8	Smart UPS	1	Lot		
9	50" LED monitor	3	Ea		
10	23" LED monitor	3	Ea		
Communication System (CS) & Automatic Identification System (AIS)					
11	25W VHF Marine Band Radio with complete accessories	1	Set		
12	HF (Wide band) SSB Military Specs Radio 1.5-59.9MHz with complete accessories	1	Set		
13	HF SSB Commercial Specs Radio 150W, 1.6-29.9MHz with complete accessories and voice encryptor	1	Set		
14	HF Data communication modem with complete accessories	1	Ea		
15	VHF AM Airband Radio with complete accessories	1	Set		
16	Desktop Computer	1	Set		
17	Tower lightning protection system	1	Lot		
18	Coaxial cable lightning	1	Lot		

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	protection box				
19	AIS receiver with BFT capability	1	Ea		
20	AIS VHF at least 6dB Antenna	1	Ea		
21	Radio interface unit (with server)	1	Ea		
22	RIU operator console	1	Ea		
23	Comms server unit software	1	Ea		
24	Operator control unit software	1	Ea		
25	Cable, RIU DC power	1	Ea		
26	Cable, RIU to Harris radio	1	Ea		
27	Cable, RIU to VHF radio	1	Ea		
28	DS-1, Serial to Ethernet converter	1	Ea		
29	Factory configuration	1	Lot		
Monitoring and Video Teleconferencing Capability					
30	Video Teleconferencing Equipment (Includes cables and other accessories)	1	Lot		
31	Perimeter CCTV Camera (23xoptical, 10xdigital zoom, Mini Speed Dome with 12Vdc Power Supply)	1	Lot		
32	IP Based DVR (8Ch H.264 Stand Alone, Network DVR, H.264 Compression, VGA, Real time display rate/ real time recording rate, DVD-RW)	1	Lot		
33	Speed Dome Controller	1	Ea		
34	4 Tera Byte SATA	1	Ea		

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	HDD				
35	42" LED TV (Minimum)	1	Ea		
Power System (PS), Backup					
36	Genset, diesel, silent-type at least 21 kVA (standby output)/20kVA (prime output)	2	Sets		
37	Multi-Phase Surge Protection (Industrial Environment)	1	Set		
Sub-Total					

2. Coast Watch Station Equipment

a. CWS Zambales (Minimum Requirements)

Item Nr	Description	Quantity	Unit	Unit Price	Total Price
RADAR System (RS)					
1	High Gain Coastal Surveillance Radar System	1	Set		
2	Radar Processor	1	Ea		
3	Remote Display Operator Position	1	Ea		
4	Composite Tracker	1	Ea		
5	Camera manager	1	Ea		
6	Camera (long range, High resolution thermal and Day)	1	Ea		
7	Video Server	2	Ea		
8	Digital video recorder	1	Ea		
9	Long range binocular, weather-proofed	1	Ea		
10	Equipment rack	2	Ea		
11	Ethernet switch	1	Ea		
12	KVM switch	1	Ea		

13	Smart UPS	1	Lot		
Communication System (CS) & Automatic Identification System (AIS)					
14	VHF Marine Band 25 watts with complete accessories	1	Set		
15	HF SSB 150W Commercial spec 1.6-29.9MHz with complete accessories and voice encryptor	1	Set		
16	HF data communications modem with complete accessories	1	Set		
17	VHF AM Airband with complete accessories	1	Set		
18	At least 23" LED Monitor	2	Ea		
19	Desktop Computer	1	Set		
20	Tower lightning protection system	1	Lot		
21	Coaxial cable lightning protection box	1	Lot		
22	AIS receiver providing for BFT and Clear data	1	Ea		
23	AIS VHF 6dB Antenna	1	Ea		
24	Multirole Operator's Console	1	Ea		
Monitoring Capability					
25	Perimeter CCTV Camera (23xoptical, 10xdigital zoom, Mini Speed Dome with 12Vdc Power Supply)	1	Lot		
26	IP Based DVR (8Ch H.264 Stand Alone, Network DVR,	1	Lot		

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	H.264 Compression, VGA, Real time display rate/ real time recording rate, DVD-RW)				
27	Speed Dome Controller	1	Ea		
28	4 Tera Byte SATA HDD	1	Ea		
29	32" LED TV (Minimum)	1	Ea		
Power System (PS)					
30	Grid power supply requirements (e.g transformer and other accessories)	1	Lot		
31	Genset, silent-type, diesel at least 21kVA (standby output)/ 20kVA (prime output)	1	Set		
32	Miscellaneous (cable, installation materials, mounting bracket, etc)	1	Lot		
33	Multi-Phase Surge Protection (Industrial Environment)	1	Set		
Sub-Total					

b. CWS Bani (Minimum Requirements)

Item Nr	Description	Quantity	Unit	Unit Price	Total Price
RADAR System (RS)					
1	High Gain Coastal Surveillance Radar System	1	Set		
2	Radar Processor	1	Ea		
3	Remote Display	1	Ea		

	Operator Position				
4	Composite Tracker	1	Ea		
5	Camera manager	1	Ea		
6	Camera (long range, High resolution thermal and Day)	1	Ea		
7	Video Server	2	Ea		
8	Digital video recorder	1	Ea		
9	Long range binocular, weather-proofed	1	Ea		
10	Equipment rack	2	Ea		
11	Ethernet switch	1	Ea		
12	KVM switch	1	Ea		
13	Smart UPS	1	Lot		
Communication System (CS) & Automatic Identification System (AIS)					
14	VHF Marine Band 25 watts with complete accessories	1	Set		
15	HF SSB 150W Commercial spec 1.6-29.9MHz with complete accessories and voice encryptor	1	Set		
16	HF data communications modem with complete accessories	1	Set		
17	VHF AM Airband with complete accessories	1	Set		
18	At least 23" LED Monitor	2	Ea		
19	Desktop Computer	1	Set		
20	Tower lightning protection system	1	Lot		
21	Coaxial cable lightning protection box	1	Lot		
22	AIS receiver providing for BFT	1	Ea		

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	and Clear data				
23	AIS VHF 6dB Antenna	1	Ea		
24	Multirole Operator's Console	1	Ea		
Monitoring Capability					
25	Perimeter CCTV Camera (23xoptical, 10xdigital zoom, Mini Speed Dome with 12Vdc Power Supply)	1	Lot		
26	IP Based DVR (8Ch H.264 Stand Alone, Network DVR, H.264 Compression, VGA, Real time display rate/ real time recording rate, DVD-RW)	1	Lot		
27	Speed Dome Controller	1	Ea		
28	4 Tera Byte SATA HDD	1	Ea		
29	32" LED TV (Minimum)	1	Ea		
Power System (PS), Hybrid					
30	Solar panel, at least 285 watts	1	Lot		
31	PV combiner	3	Ea		
32	At least 80A MPPT charge controller	3	Ea		
33	At least 8kVA Inverter/charger	3	Ea		
34	DC monitor	1	Ea		
35	Communications manager	1	Ea		
36	System Display and controller	1	Ea		
37	Genset, silent-type, diesel	1	Set		

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	at least 21kVA (standby output)/ 20kVA (prime output)				
38	Deep Cycle gel-type sealed battery	1	Lot		
39	Solar panel rack, conduit and cables	1	Lot		
40	Miscellaneous (cable, installation materials, mounting bracket, etc)	1	Lot		
41	Multi-Phase Surge Protection (Industrial Environment)	1	Set		
Sub-Total					

c. CWS Pasuquin (Minimum Requirements)

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Item Nr	Description	Quantity	Unit	Unit Price	Total Price
RADAR System (RS)					
1	High Gain Coastal Surveillance Radar System	1	Set		
2	Radar Processor	1	Ea		
3	Remote Display Operator Position	1	Ea		
4	Composite Tracker	1	Ea		
5	Camera manager	1	Ea		
6	Camera (long range, High resolution thermal and Day)	1	Ea		
7	Video Server	2	Ea		
8	Digital video recorder	1	Ea		
9	Long range binocular, weather-proofed	1	Ea		
10	Equipment rack	2	Ea		
11	Ethernet switch	1	Ea		
12	KVM switch	1	Ea		

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13	Smart UPS	1	Lot		
Communication System (CS) & Automatic Identification System (AIS)					
14	VHF Marine Band 25 watts with complete accessories	1	Set		
15	HF SSB 150W Commercial spec 1.6-29.9MHz with complete accessories	1	Set		
16	HF data communications modem with complete accessories	1	Set		
17	VHF AM Airband with complete accessories	1	Set		
18	At least 23" LED Monitor	2	Ea		
19	Desktop Computer	1	Set		
20	Tower lightning protection system	1	Lot		
21	Coaxial cable lightning protection box	1	Lot		
22	AIS receiver providing for BFT and Clear data	1	Ea		
23	AIS VHF 6dB Antenna	1	Ea		
24	Multirole Operator's Console	1	Ea		
Monitoring Capability					
25	Perimeter CCTV Camera (23xoptical, 10xdigital zoom, Mini Speed Dome with 12Vdc Power Supply)	1	Lot		
26	IP Based DVR (8Ch H.264 Stand Alone, Network DVR, H.264 Compression, VGA, Real time display rate/ real time recording rate, DVD-	1	Lot		

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	RW)				
27	Speed Dome Controller	1	Ea		
28	4 Tera Byte SATA HDD	1	Ea		
29	32" LED TV (Minimum)	1	Ea		
Power System (PS), Hybrid					
30	Solar panel, at least 285W	1	Lot		
31	PV combiner	3	Ea		
32	At least 80A MPPT charge controller	3	Ea		
33	At least 8kVA Inverter/charger	3	Ea		
34	DC monitor	1	Ea		
35	Communications manager	1	Ea		
36	System Display and controller	1	Ea		
37	Genset, silent-type, diesel at least 21kVA (standby output)/ 20kVA (prime output)	1	Set		
38	Deep cycle gel-type sealed battery	1	Lot		
39	Solar panel rack, conduit and cables	1	Lot		
40	Miscellaneous (cable, installation materials, mounting bracket, etc)	1	Lot		
41	Multi-Phase Surge Protection (Industrial Environment)	1	Set		
				Sub-Total	

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