

Appendix 2

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**COALITION PROVISIONAL AUTHORITY
IRAQ INFRASTRUCTURE RECONSTRUCTION PROGRAM
IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ**

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PROJECT IDENTIFICATION FORM

MINISTRY		PROJECT TITLE	
MINISTRY OF TRANSPORTATION & COMMUNICATION		BAGHDAD INTERNATIONAL AIRPORT (BIAP) - INFRASTRUCTURE	
LOCATION (GOVERNATE)		LOCATION (MUNICIPALITY)	
BAGHDAD		BAGHDAD	
SECTOR / SUBSECTOR	CONTACT PERSON & TITLE	CONTACT TELEPHONE	CONTACT E-MAIL
TRANSPORTATION		XXX-XXX-XXXX	XXX@YYY.COM
AIRPORTS	GPS END		PROJECT COST
GPS-START	(FORMAT ODD.DDDDD)		IN US DOLLARS
(FORMAT ODD.DDDDD)	(FORMAT ODD.DDDDD)		\$ 32,465,000
N 39.26829	N 33.26829		
E 44.22752	E 44.22752		
IRAQI CONTACT / TITLE	PROJECT IDENTIFICATION N°	OTHER FUNDING	FROM WHOM?
AAAA	T-A-TC-001	REQUESTED? NO	
BBBB			

PROJECT OBJECTIVE AND JUSTIFICATION (Note: Address coordination with other projects, if known.)

All international airports, and domestic airports with links to international airports, must meet the International Civil Aviation Organization's (ICAO's) standards. By not meeting those standards, [foreign] airlines will either be reluctant or unable to call upon those airports. Many of the present systems at the airports have suffered from neglect in maintenance, many years of wars, and sanctions.

This project is to upgrade, repair or replace the most essential items, such as the instrument landing system (ILS), repair buildings, terminals, and other infrastructure facilities (roads, runways, taxiways, aprons, sewerage, potable water, electric power), including crash / fire / rescue systems.

It is imperative that funds will be allotted to upgrade Iraq's three most important airports: Baghdad, Iraq's capital, and the largest city, Basrah, the gateway to international maritime shipping lanes with a need for a well-functioning airport to bring in supplies, equipment and spare parts, and Mosul, the agricultural center of Iraq.

SCOPE OF PROJECT

Repair, replace, and or upgrade terminals, air traffic control towers, sewerage, electrical, including lighting, mechanical, including heating ventilation air conditioning (HVAC), water, fuel system, refurbish runways, taxiways, aprons, repair escalators, elevators, glazing, parking lots, security and safety systems. Replace old communication cabling with fiber optic cables, egress and exit ways. (This is not an exhaustive listing, the contractor must perform, document and present to the Ministry a detailed survey with work description and cost estimates.)

#	Description	Unit	Quantity	Unit Cost	Cost
INFRASTRUCTURE - BAGHDAD					
1	Trunked Radio Network	Lump Sum	1	\$ 500,000	\$ 500,000
2	Emergency Power Station	LS	1	\$ 3,000,000	\$ 3,000,000
3	Pavement Markings	LS	1	\$ 150,000	\$ 150,000
4	Tool Kits	LS	1	\$ 50,000	\$ 50,000
5	HVAC Repair Parts	LS	1	\$ 1,000,000	\$ 1,000,000
6	Off Airport Parking Lot	LS	1	\$ 500,000	\$ 500,000
7	Electrical Subcontract	LS	1	\$ 100,000	\$ 100,000

**COALITION PROVISIONAL AUTHORITY
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PROJECT IDENTIFICATION FORM - CONTINUATION**

8	Mechanical Subcontract	LS	1	\$ 200,000	\$	200,000
9	Glass/Glazing Subcontract	LS	1	\$ 1,000,000	\$	1,000,000
10	Flight Inspection support	LS	1	\$ 50,000	\$	50,000
11	Crash Fire Rescue	LS	1	\$ 4,200,000	\$	4,200,000
12	Fuel sys repair	LS	1	\$ 300,000	\$	300,000
13	Environmental clean up	LS	1	\$ 1,200,000	\$	1,200,000
14	Sewage Pump Repair	LS	1	\$ 30,000	\$	30,000
15	Water System Repair	LS	1	\$ 100,000	\$	100,000
16	Plywood Purchase	LS	1	\$ 5,000	\$	5,000
17	1700M Jersey Barriers	LS	1	\$ 15,000	\$	15,000
18	Architectural Casework	LS	1	\$ 5,000	\$	5,000
19	Elevator/Escalator Repair	LS	1	\$ 5,000	\$	5,000
20	Aircraft Bridge Repair	LS	1	\$ 15,000	\$	15,000
21	ATC Radar Interface	LS	1	\$ 1,200,000	\$	1,200,000
22	ILS Repair/Replacement	LS	1	\$ 100,000	\$	100,000
23	Fiber Optic Cable Installation	LS	1	\$ 500,000	\$	500,000
24	Control Tower Console/radio replacement	LS	1	\$ 2,000,000	\$	2,000,000
25	SKYLINK Assessment/Management	LS	1	\$ 300,000	\$	300,000
26	Security Assessment	LS	1	\$ 300,000	\$	300,000
27	Ground Support Equipment	LS	1	\$ 500,000	\$	500,000
28	Air Traffic Control (ATC) Radar	LS	1	\$10,000,000	\$	10,000,000
29	Airfield substation/lighting vault	LS	1	\$ 2,500,000	\$	2,500,000
30	BASH equipment	LS	1	\$ 140,000	\$	140,000
31	Security equipment/dogs	LS	1	\$ 2,000,000	\$	2,000,000
32	AFTN sys and charges	LS	1	\$ 500,000	\$	500,000
	TOTAL				\$	32,465,000



**COALITION PROVISIONAL AUTHORITY
IRAQ INFRASTRUCTURE RECONSTRUCTION PROGRAM
IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ**

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PROJECT IDENTIFICATION FORM

MINISTRY MINISTRY OF TRANSPORTATION & COMMUNICATION		PROJECT TITLE BAGHDAD INTERNATIONAL AIRPORT (BIAP) - AIR NAVIGATION SERVICES (ANS)	
LOCATION (GOVERNATE) BAGHDAD		LOCATION (MUNICIPALITY) BAGHDAD	
SECTOR / SUBSECTOR TRANSPORTATION AIRPORTS	CONTACT PERSON & TITLE [REDACTED]	CONTACT TELEPHONE	CONTACT E-MAIL
GPS START (FORMAT DDD.DDDDD)	GPS END (FORMAT DDD.DDDDD)	CRA PRIORITY	PROJECT COST IN US DOLLARS
N E	N E		\$ 23,404,400
IRAQI CONTACT	PROJECT IDENTIFICATION N° T-A-TC-002	OTHER FUNDING REQUESTED? NO	FROM WHOM?

PROJECT OBJECTIVE AND JUSTIFICATION (Note: Address coordination with other projects, if known.)

All international airports, and domestic airports with links to international airports, must meet the International Civil Aviation Organization's (ICAO's) standards. By not meeting those standards, foreign airlines will either be reluctant or unable to call on those airports. Many of the present systems at the airport have suffered from neglect in maintenance, many years of wars, and sanctions. This project is to upgrade, repair or replace the navigational infrastructure.

Once the system is in place and functioning, it will greatly improve the safety, security of Iraq's navigational aerospace system and improve international traffic.

It is detrimental to Iraq's economy that a well-functioning Air Navigation Service exists.

SCOPE OF PROJECT

Repair, replace, renew, and / or upgrade the navigational infrastructure, air traffic control towers, approach control systems, and the area control center as detailed in the table below.

#	Description	Unit	Quantity	Unit Cost	Cost
AIR NAVIGATION SERVICES (ANS) - BAGHDAD					
BIAP (Baghdad Int'l Airport)					
Infrastructure					
1	Airport Surface Weather Reporting System; Local visibility, wind, etc.	LS	1	\$ 400,000	\$ 400,000
2	Runway & Taxiway Lights; Replace old technology lighting systems.	LS	1	\$ 158,400	\$ 158,400
3	Approach Lighting System; Replace old technology lighting systems.	LS	1	\$ 4,400,000	\$ 4,400,000

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IRAQ INFRASTRUCTURE RECONSTRUCTION PROGRAM
IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ
PROJECT IDENTIFICATION FORM - CONTINUATION**

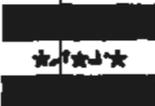
4	Precision Approach Path Indicators; Replace old technology lighting systems.	LS	1	\$ 240,000	\$ 240,000
5	Instrument Landing System with Distance Measuring Equipment (DME); 2 Systems for runways 33R/15L.	LS	1	\$ 768,000	\$ 768,000
6	DVOR - Very High Frequency Omni- directional Range (VOR) with Distance Measuring Equipment (DME); Includes Uninterrupted Power Supply (UPS), engine generator & transfer switch.	LS	1	\$ 2,000,000	\$ 2,000,000
7	Enhance Fiber Loop.	LS	1	\$ 500,000	\$ 500,000
8	Misc. Equipment; Windssocks, Runway Indicator Tee, Rotating Beacon.	LS	1	\$ 250,000	\$ 250,000
	SUB-TOTAL				\$ 8,716,400
Control Tower					
9	General Refurbishment of the Tower Cab; Electrical wiring, lighting, controller chairs, water fountain, carpet, telephones, furniture, break room, etc.	LS	1	\$ 100,000	\$ 100,000
10	Reconstitute Tower Consoles & Cab Equipment; General repair, modify consoles to provide walk through areas, update utility wiring, update lighting, clocks, altimeter displays, phones, light guns, control & monitor system, information display system, etc.	LS	1	\$ 750,000	\$ 750,000
11	Digital Airport Terminal Information System;	LS	1	\$ 100,000	\$ 100,000
12	Radio Equipment; 4 VHF primary & backup, 2 UHF primary & backup, 2 Emergency primary.	LS	1	\$ 346,000	\$ 346,000
13	Ancillary Equipment; Control & monitor system, information display system, etc.	LS	1	\$ 250,000	\$ 250,000
	SUB-TOTAL				\$ 1,546,000
Approach Control					
14	General Refurbishment of the Approach Control Operations Area; Electrical wiring, lighting, controller chairs, water fountain, carpet, telephones, furniture, window blinds, break room, non-static carpet, etc.	LS	1	\$ 50,000	\$ 50,000
15	ATC Automation System; Equipment, racks, controller displays (including tower), controller consoles, etc.	LS	1	\$ 5,000,000	\$ 5,000,000

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PROJECT IDENTIFICATION FORM - CONTINUATION**

16	Terminal Surveillance Radar System; Includes Uninterrupted Power Supply (UPS), engine generator & transfer switch.	LS	1	\$ 5,410,000	\$ 5,410,000
17	Radio Equipment; 6 VHF primary & backup, 3 UHF primary & backup, 2 Emergency primary.	LS	1	\$ 420,000	\$ 420,000
18	Ancillary Equipment; Control & monitor system, information display system, etc.	LS	1	\$ 250,000	\$ 250,000
19	Training Room & Lab; Pilot position, controller position, communications capability, etc.	LS	1	\$ 500,000	\$ 500,000
	SUB-TOTAL				\$ 11,630,000
Area Control Center					
20	General Refurbishment of the Area Control Center Operations Area; Electrical wiring, lighting, controller chairs, water fountain, carpet, telephones, furniture, window blinds, break room, non-static carpet, etc.	LS	1	\$ 50,000	\$ 50,000
21	Ancillary Equipment; Control & monitor system, information display system, etc.	LS	1	\$ 250,000	\$ 250,000
22	Voice Switch; 0	LS	1	\$ 631,000	\$ 631,000
23	Radio Equipment; 6 VHF primary & backup, 2 UHF primary & backup, 2 Emergency primary.	LS	1	\$ 378,000	\$ 378,000
24	Design New Operations Area & Equipment Room Floor Space; 0	LS	1	\$ 3,000	\$ 3,000
25	Install ACC consoles from 4th floor to 3rd floor; The old consoles will be reconfigured for Initial ACC operations.	LS	1	\$ 150,000	\$ 150,000
26	SADIS System for International Weather;	LS	1	\$ 50,000	\$ 50,000
	SUB-TOTAL				\$ 1,512,000
	TOTAL BAGHDAD INTERNATIONAL AIRPORT AIR NAVIGATION SERVICES (ANS)				\$ 23,404,400



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IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ**



PROJECT IDENTIFICATION FORM

MINISTRY MINISTRY OF TRANSPORTATION & COMMUNICATION		PROJECT TITLE MOSUL AIRPORT - INFRASTRUCTURE	
LOCATION (GOVERNATE) DAMUK		LOCATION (MUNICIPALITY) MOSUL	
SECTOR / SUBSECTOR TRANSPORTATION	CONTACT PERSON & TITLE [REDACTED]	CONTACT TELEPHONE	CONTACT E-MAIL
AIRPORTS GPS START (FORMAT DDD.DDDDD) N E	GPS END (FORMAT DDD.DDDDD) N E	CPA PRIORITY ---	PROJECT COST IN US DOLLARS \$ 21,265,000
IRAQI CONTACT	PROJECT IDENTIFICATION # T-A-TC-005	OTHER FUNDING REQUESTED? NO	FROM WHOM?

PROJECT OBJECTIVE AND JUSTIFICATION (Note: Address coordination with other projects, if known.)

All international airports, and domestic airports with links to international airports, must meet the International Civil Aviation Organization's (ICAO's) standards. By not meeting those standards, [foreign] airlines will either be reluctant or unable to call upon those airports. Many of the present systems at the airports have suffered from neglect in maintenance, many years of wars, and sanctions.

This project is to upgrade, repair or replace the most essential items, such as the instrument landing system (ILS), repair buildings, terminals, and other infrastructure facilities (roads, runways, taxiways, aprons, sewerage, potable water, electric power), including crash / fire / rescue systems.

It is imperative that funds will be allotted to upgrade Iraq's three most important airports: Baghdad, Iraq's capital, and the largest city, Basrah, the gateway to international maritime shipping lanes with a need for a well-functioning airport to bring in supplies, equipment and spare parts, and Mosul, the agricultural center of Iraq.

SCOPE OF PROJECT

Repair, replace, and or upgrade terminals, air traffic control towers, sewerage, electrical, including lighting, mechanical, including heating ventilation air conditioning (HVAC), water, fuel system, refurbish runways, taxiways, aprons, repair escalators, elevators, glazing, parking lots, security and safety systems. Replace old communication cabling with fiber optic cables, egress and exit ways. (This is not an exhaustive listing, the contractor must perform, document and present to the Ministry a detailed survey with work description and cost estimates.)

#	Description	Unit	Quantity	Unit Cost	Cost
INFRASTRUCTURE - MOSUL					
1	Trunked Radio Network	Lump Sum	1	\$ 500,000	\$ 500,000
2	Emergency Power Station	LS	1	\$ 3,000,000	\$ 3,000,000
3	Pavement Markings	LS	1	\$ 150,000	\$ 150,000
4	Tool Kits	LS	1	\$ 50,000	\$ 50,000
5	HVAC Repair Parts	LS	1	\$ 1,000,000	\$ 1,000,000
6	Off Airport Parking Lot	LS	1	\$ 500,000	\$ 500,000
7	Electrical Subcontract	LS	1	\$ 100,000	\$ 100,000
8	Mechanical Subcontract	LS	1	\$ 200,000	\$ 200,000
9	Glass/Glazing Subcontract	LS	1	\$ 1,000,000	\$ 1,000,000

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PROJECT IDENTIFICATION FORM - CONTINUATION**

10	Flight Inspection support	LS	1	\$ 50,000	\$ 50,000
11	Crash Fire Rescue	LS	1	\$ 4,200,000	\$ 4,200,000
12	Fuel sys repair	LS	1	\$ 300,000	\$ 300,000
13	Environmental clean up	LS	1	\$ 1,200,000	\$ 1,200,000
14	Sewage Pump Repair	LS	1	\$ 30,000	\$ 30,000
15	Water System Repair	LS	1	\$ 100,000	\$ 100,000
16	Plywood Purchase	LS	1	\$ 5,000	\$ 5,000
17	1700M Jersey Barriers	LS	1	\$ 15,000	\$ 15,000
18	Architectural Casework	LS	1	\$ 5,000	\$ 5,000
19	Elevator/Escalator Repair	LS	1	\$ 5,000	\$ 5,000
20	Aircraft Bridge Repair	LS	1	\$ 15,000	\$ 15,000
21	ILS Repair/Replacement	LS	1	\$ 100,000	\$ 100,000
22	Fiber Optic Cable Installation	LS	1	\$ 500,000	\$ 500,000
23	Control Tower Console/radio replacement	LS	1	\$ 2,000,000	\$ 2,000,000
24	SKYLINK Assessment/Management	LS	1	\$ 300,000	\$ 300,000
25	Security Assessment	LS	1	\$ 300,000	\$ 300,000
26	Ground Support Equipment	LS	1	\$ 500,000	\$ 500,000
27	Airfield substation/lighting vault	LS	1	\$ 2,500,000	\$ 2,500,000
28	BASH equipment	LS	1	\$ 140,000	\$ 140,000
29	Security equipment/dogs	LS	1	\$ 2,000,000	\$ 2,000,000
30	AFTN sys and charges	LS	1	\$ 500,000	\$ 500,000
	SUB-TOTAL				\$21,265,000



**COALITION PROVISIONAL AUTHORITY
IRAQ INFRASTRUCTURE RECONSTRUCTION PROGRAM
IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ**

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PROJECT IDENTIFICATION FORM

MINISTRY MINISTRY OF TRANSPORTATION & COMMUNICATION		PROJECT TITLE MOSUL AIRPORT - AIR NAVIGATION SERVICES (ANS)	
LOCATION (GOVERNATE) DARUK		LOCATION (MUNICIPALITY) MOSUL	
SECTOR / SUBSECTOR TRANSPORTATION AIRPORTS	CONTACT PERSON & TITLE [REDACTED]	CONTACT TELEPHONE	CONTACT E-MAIL
GPS START (FORMAT DDD.DDDDD)	GPS END (FORMAT DDD.DDDDD)	CPA PRIORITY	PROJECT COST IN US DOLLARS
N	N		\$ 15,582,400
E	E		
IRAQI CONTACT	PROJECT IDENTIFICATION N° T-A-TC-005	OTHER FUNDING REQUESTED? NO	FROM WHOM?

PROJECT OBJECTIVE AND JUSTIFICATION (Note: Address coordination with other projects, if known.)

All international airports, and domestic airports with links to international airports, must meet the International Civil Aviation Organization's (ICAO's) standards. By not meeting those standards, foreign airlines will either be reluctant or unable to call on those airports. Many of the present systems at the airport have suffered from neglect in maintenance, many years of wars, and sanctions. This project is to upgrade, repair or replace the navigational infrastructure.

Once the system is in place and functioning, it will greatly improve the safety, security of Iraq's navigational aerospace system and improve international traffic.

It is detrimental to Iraq's economy that a well-functioning Air Navigation Service exists.

SCOPE OF PROJECT

Repair, replace, renew, and / or upgrade the navigational infrastructure, air traffic control towers, approach control systems, and the area control center as detailed in the table below.

#	Description	Unit	Quantity	Unit Cost	Cost
AIR NAVIGATION SERVICES (ANS) - MOSUL					
Mosul Airport Infrastructure					
1	Airport Surface Weather Reporting System; Local visibility, wind, etc.	Lump Sum	1	\$ 400,000	\$ 400,000
2	Runway & Taxiway Lights; Replace old technology lighting systems.	LS	1	\$ 158,400	\$ 158,400
3	Approach Lighting System; Replace old technology lighting systems.	LS	1	\$ 4,400,000	\$ 4,400,000

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IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ
PROJECT IDENTIFICATION FORM - CONTINUATION**

4	Precision Approach Path Indicators; Replace old technology lighting systems.	LS	1	\$ 240,000	\$ 240,000
5	Instrument Landing System with Distance Measuring Equipment (DME); 2 Systems for runways 33R/15L.	LS	1	\$ 768,000	\$ 768,000
6	DVOR - Very High Frequency Omni-directional Range (VOR) with Distance Measuring Equipment (DME); Includes Uninterrupted Power Supply (UPS), engine generator & transfer switch.	LS	1	\$ 2,000,000	\$ 2,000,000
7	Misc. Equipment; Windssocks, Runway Indicator Tee, Rotating Beacon.	LS	1	\$ 250,000	\$ 250,000
	SUB-TOTAL				\$ 3,216,400
1	General Refurbishment of the Tower Cab; Electrical wiring, lighting, controller chairs, water fountain, carpet, telephones, furniture, break room, etc.	Lump Sum	1	\$ 100,000	\$ 100,000
2	Reconstitute Tower Consoles & Cab Equipment; General repair, update utility wiring, update lighting, clocks, altimeter displays, phones, light guns, etc.	LS	1	\$ 250,000	\$ 250,000
3	Voice Switch; Compact voice switch designed for tower operations.	LS	1	\$ 356,000	\$ 356,000
4	Radio Equipment; 4 VHF primary & backup, 2 UHF primary & backup, 2 Emergency primary.	LS	1	\$ 250,000	\$ 250,000
5	ATCT Automation System; Provides 2 displays	LS	1	\$ 350,000	\$ 350,000
6	Terminal Surveillance Radar System; Includes Uninterrupted Power Supply (UPS), engine generator & transfer switch.	LS	1	\$ 5,410,000	\$ 5,410,000
7	SADIS System for International Weather;	LS	1	\$ 50,000	\$ 50,000
8	Digital Airport Terminal Information System;	LS	1	\$ 100,000	\$ 100,000
9	Ancillary Equipment; Control & monitor system, Information display system, etc.	LS	1	\$ 500,000	\$ 500,000
	SUB-TOTAL				\$ 7,366,000
	TOTAL MOSUL AIRPORT AIR NAVIGATION SERVICES (ANS)				\$ 15,582,400



**COALITION PROVISIONAL AUTHORITY
IRAQ INFRASTRUCTURE RECONSTRUCTION PROGRAM
IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ**

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PROJECT IDENTIFICATION FORM

MINISTRY MINISTRY OF TRANSPORTATION & COMMUNICATION		PROJECT TITLE AIR NAVIGATION SERVICES (ANS)	
LOCATION (GOVERNATE) BAGHDAD, BASRAH, DHIKAR		LOCATION (MUNICIPALITY) BAGHDAD, BASRAH, MOSUL	
SECTOR / SUBSECTOR TRANSPORTATION AIRPORTS	CONTACT PERSON & TITLE [REDACTED]	CONTACT TELEPHONE	CONTACT E-MAIL
GPS START (FORMAT DDD.DDDDD) N E	GPS END (FORMAT DDD.DDDDD) N E	CMA PRIORITY	PROJECT COST IN US DOLLARS \$ 17,140,000
IRAQI CONTACT	PROJECT IDENTIFICATION N° T-A-TC-007	OTHER FUNDING REQUESTED? NO	FROM WHOM?

PROJECT OBJECTIVE AND JUSTIFICATION (Note: Address coordination with other projects, if known.)

All international airports, and domestic airports with links to international airports, must meet the International Civil Aviation Organization's (ICAO's) standards. By not meeting those standards, foreign airlines will either be reluctant or unable to call on those airports. Many of the present systems at the airport have suffered from neglect in maintenance, many years of wars, and sanctions. This project is to upgrade, repair or replace the navigational infrastructure.

Once the system is in place and functioning, it will greatly improve the safety, security of Iraq's navigational aerospace system and improve international traffic.

It is detrimental to Iraq's economy that a well-functioning Air Navigation Service exists.

SCOPE OF PROJECT

Repair, replace, renew, and / or upgrade the navigational infrastructure, air traffic control towers, approach control systems, and the area control center as detailed in the table below.

#	Description	Unit	Quantity	Unit Cost	Cost
INTERNATIONAL AIR TRAFFIC SERVICES					
1	2003 Air Traffic Control Bridge Contract controllers/technicians (BIAP, BASRAH, Enroute)	Lump Sum	1	\$ 8,000,000	\$ 8,000,000
2	BIAP DVOR - Very High Frequency Omni-directional Range (VOR) Replacement	LS	1	\$ 600,000	\$ 600,000
3	BASRAH DVOR - Very High Frequency Omni-directional Range (VOR) Replacement	LS	1	\$ 600,000	\$ 600,000

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PROJECT IDENTIFICATION FORM - CONTINUATION

4	Baghdad Air Control Center (ACC) Repair	LS	1	\$ 500,000	\$ 500,000
5	Controller Refresher Training	LS	1	\$ 100,000	\$ 100,000
6	Technician Refresher Training	LS	1	\$ 100,000	\$ 100,000
7	Management Training	LS	1	\$ 40,000	\$ 40,000
8	Aviation training development	LS	1	\$ 2,000,000	\$ 2,000,000
9	National VSAT System	LS	1	\$ 5,000,000	\$ 5,000,000
10	Terminal procedures development	LS	1	\$ 200,000	\$ 200,000
TOTAL					\$ 8,140,000



**COALITION PROVISIONAL AUTHORITY
IRAQ INFRASTRUCTURE RECONSTRUCTION PROGRAM
IRAQ INFRASTRUCTURE RECONSTRUCTION OFFICE - BAGHDAD, IRAQ**

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PROJECT IDENTIFICATION FORM

MINISTRY MINISTRY OF TRANSPORTATION & COMMUNICATION		PROJECT TITLE AIR NAVIGATION SERVICES (NAS); OTHER LOCATIONS	
LOCATION (GOVERNATE) VARIOUS		LOCATION (MUNICIPALITY) VARIOUS	
SECTOR / SUBSECTOR TRANSPORTATION AIRPORTS GPS START (FORMAT DDD.DDDDD) N E	CONTACT PERSON & TITLE [REDACTED] GPS END (FORMAT DDD.DDDDD) N E	CONTACT TELEPHONE CPA PRIORITY =	CONTACT E-MAIL PROJECT COST IN US DOLLARS \$ 18,410,000
IRAQI CONTACT	PROJECT IDENTIFICATION N° T-A-TC-008	OTHER FUNDING REQUESTED? NO	FROM WHOM?

PROJECT OBJECTIVE AND JUSTIFICATION (Note: Address coordination with other projects, if known.)

All international airports, and domestic airports with links to international airports, must meet the International Civil Aviation Organization's (ICAO's) standards. By not meeting those standards, foreign airlines will either be reluctant or unable to call on those airports. Many of the present systems at the airport have suffered from neglect in maintenance, many years of wars, and sanctions. This project is to upgrade, repair or replace the navigational infrastructure.

Once the system is in place and functioning, it will greatly improve the safety, security of Iraq's navigational aerospace system and improve international traffic.

It is detrimental to Iraq's economy that a well-functioning Air Navigation Service exists.

SCOPE OF PROJECT

Repair, replace, renew, and / or upgrade the navigational infrastructure, air traffic control towers, approach control systems, and the area control center as detailed in the table below.

#	Description	Unit	Quantity	Unit Cost	Cost
OTHER NATIONAL AIR TRAFFIC SERVICES					
General	General: Satellite link from Basrah to BIAP. For transfer of radar data from Basrah ASR to BIAP Approach Control. 64Kb Full Duplex, KU Band, Includes 10 years O&M.	Lump Sum	1	\$ 4,500,000	\$ 4,500,000
1	Satellite link from Mosul to BIAP. Northern Iraq (Kirkuk, Nafaj, Irbil.)	LS	1	\$ 4,500,000	\$ 4,500,000