

ANNEX R (ROUGH ORDER OF MAGNITUDE) to LOGCAP CONTINGENCY SUPPORT PLAN

REFERENCES. See ANNEX N. Appendix 4.

TIME ZONE USED THROUGHOUT THE PLAN. Iraq

TASK ORGANIZATION. See ANNEX A.

- 1. SITUATION. See Base PLAN.
- 2. MISSION. See Base PLAN.
- 3. EXECUTION. See Appendices.
- 4. **SERVICE SUPPORT.** See ANNEX I.
- COMMAND AND SIGNAL.
 - a. Command. See Base Plan and ANNEX A
 - b. Signal. See Base Plan and ANNEX H

ACKNOWLEDGE:

BRS PGM, LOGCAP

OFFICIAL:

BRS D/PGM

Appendix 1 – ROM Methodology

Appendix 2 – ROM Estimate Basis & Assumptions

Appendix 3 – ROM Basis and Cost Summary By Oilfield

Tab A – ROMs for Prepositioned Items

Appendix 4 – ROM Comparison

Appendix 5 – ROM Best Case

Appendix 6 – ROM Most Probable Case

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Declassified by OUSD Policy on 8 May 08

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APPENDIX 1 (ROUGH ORDER OF MAGNITUDE METHODOLOGY) TO ANNEX R (ROUGH ORDER OF MAGNITUDE) to LOGCAP CONTINGENCY SUPPORT PLAN

REFERENCES. See ANNEX N. Appendix 4.

TIME ZONE USED THROUGHOUT THE PLAN. Iraq.

TASK ORGANIZATION. See ANNEX A.

- 1. SITUATION. See Base PLAN and ANNEX R.
- 2. MISSION. See Base PLAN.
- **3. EXECUTION.** This Appendix explains the methodologies and basis which were utilized for developing a Rough Order of Magnitude (ROM) estimate for LOGCAP III Task Order #31.
 - a. Camp construction and operation / maintenance:
 - 1) Camp construction and operating / maintenance cost include all costs associated with the construction and operation of all camps required for the Construction Management (CMT) and Project Management (PMT) teams. It does not include costs for the camps required for craft labor. Craft labor camp costs are included in the subcontract construction costs within each section or work.
 - 2) Camp construction costs are based on the total peak head count and an average construction cost per person based on historical data. Camp operating and maintenance costs are based on an estimated number of man-days and an average cost per man-day based on historical data.

b. Management & Administration:

1) Requirements for the Project Management Team (PMT) and the Construction Management Team (CMT) for the entire project were defined by the proposal project managers and construction mangers respectively. These requirements specified number of man-months for personnel by sourcing (expatriate, Host Country or Third Country Nationals).

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- 3) Third Country National (TCN) employees were priced using actual rates from recent projects in the region.
- 4) Costs for expatriate and other first-world country personnel have been included in the Management and Administrative costs. The remainder of the PMT and CMT personnel costs have been allocated over the other sections of the estimate.

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- 5) Other PMT and CMT costs such as vehicles, equipment, office supplies, etc. were detailed by construction. Some items, such as vehicles and equipment, were provided by procurement with the balance priced using historical data.
- c. **DBA and CIGNA Insurance**: This section includes costs for Defense Base Act (DBA) and CIGNA insurance. These costs were estimated based on LOGCAP standards.
 - 1) DBA insurance is estimated as 3.75% of the gross labor payroll. CIGNA insurance is estimated on cost per man-month basis.

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-	ces may be provided	*		
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formed based u	pon a rough estimat	e of freight tons ar	nd am estimated cost	per ton.

- Assessment: Advance Team and Assessment Team costs include all costs associated with the initial team of personnel deployed to assess the damage to the facilities and the work required to restore production. These costs included personnel, vehicles, tools, supplies, housing / living, etc.
 - 1) Personnel requirements were defined by each responsible group (engineering, construction, plant services, and procurement). Estimating developed personnel costs based on base wage rates of senior type personnel above the normal average rates (b)(4)

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 Fringe and benefit costs were included based on the LOGCAP standard. Overhead and G & A costs are not included here but are included as mark-ups to the estimate bottom line.
 - 2) Assessment team requirements for vehicles, tools, supplies, etc were defined and costs developed based on historical data.
- g. Design & Engineering: This section covers costs for all the design engineering performed in BRS' Houston office. Project Management, project controls, procurement, construction support, and other support groups costs are not included here but are in the Management and Administrative section of the estimate.
 - 1) Estimated engineering staffing requirements were developed by project engineering. Estimating applied HOC's average rates to the estimated engineering requirements. Fringe and benefit costs were included based on the LOGCAP standard. Overhead and G & A costs are not included here but are included as mark-ups to the estimate bottom line.



- 2) Other home office services costs were also included. These costs include communications, reproduction, computers, floor space, travel, etc. based on an average cost per man-hour. Field engineering costs are not included here but are included in the CMT costs.
- h. Firefighting & Capping: This section covers the cost to extinguish wellhead fires in both the northern and southern oil fields of Iraq.
 - 1) All costs for personnel, equipment (except heavy equipment), supplies, etc. are based on a quotation obtained from Boots and Coots. Requirements for heavy equipment were defined by Boots and Coots but costs were excluded from their quotation. Prices for this heavy equipment were obtained by procurement and included in the estimate.
- i. Power Generation: Power generation and distribution outside the plant facility is by others.
- j. Wellheads: This section covers the cost to repair wellheads in both the northern and southern oil fields of Iraq.
 - 1) Equipment and material requirements were defined by engineering. Pricing for all equipment and material were provided by procurement.
 - 2) Labor requirements were defined by construction and priced by estimating using historical data.
 - 3) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project.
- **k. Flowlines & Pipelines:** Costs for the repair of flow lines and pipelines are included in this section. The flow line repair estimate is based on replacing an average of 300 linear feet of 8" piping per damaged well. This equates to 180,000 linear feet of pipe.
 - 1) The pipeline repair estimate is based on replacing 1 percent of the pipelines in the northern and southern oil fields. This equates to approximately 99,000 linear feet of pipe. These basis were developed in conjunction with the pipeline engineer.
 - 2) Material pricing is based on recent pricing. An allowance was included for fittings. Man-hours were estimated based on the piping lengths and a "fully-loaded) subcontract rate applied against the man-hours to determine total subcontract construction costs.
 - 3) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project.
- 1. Gas Oil Separation Plants (GOSPs): The ROM includes the cost for new GOSPs, where required, based upon process engineering's determination.
 - 1) Process engineering developed sized equipment lists for the GOSPs in the North and South. Three typical generic designs will be utilized for the GOSPs. Procurement provided pricing for all of the equipment based on phone quotes and in-house data. Estimating factored costs for bulk materials based on historical data / ratios. Estimating factored U.S. Gulf Coast (USGC) construction man-hours from the equipment costs based upon historical data / ratios. A site specific productivity was applied to the USGC man-hours to determine actual man-



hours. This productivity was based on recent experience in the region adjusted for the specific difficulties of this project. An "All-in" subcontract rate was applied against the site manhours to arrive at construction costs. This "All-in" rate was based on recent experience in the region.

- 2) Other costs which were included are capital spares, commissioning spares, operating spares, and commissioning / startup activities. Design engineering costs are not included here but are included in the design engineering section of the estimate.
- 3) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project.
- m. Pumping Stations: The ROM includes the cost for various scenarios defined in the ROM Basis four completely new pumping stations based upon process engineering's determination.
 - 1) Process engineering developed sized equipment lists for the pumping stations. A typical generic design will be utilized where appropriate. Procurement provided pricing for all of the equipment based on phone quotes and in-house data. Estimating factored costs for bulk materials based on historical data / ratios. Estimating factored U.S. Gulf Coast (USGC) construction man-hours from the equipment costs based upon historical data / ratios. A site specific productivity was applied to the USGC man-hours to determine actual man-hours. This productivity was based on recent experience in the region adjusted for the specific difficulties of this project. A "fully loaded" subcontract rate was applied against the site manhours to arrive at construction costs. This "fully loaded" rate was based on recent experience in the region.
 - 2) Other costs which were included are capital spares, commissioning spares, operating spares, and commissioning / startup activities. Design engineering costs are not included here but are included in the design engineering section of the estimate.
 - 3) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project.
- n. **Stabilization Plants**: The ROM includes the cost for various scenarious defined in the ROM Basis based upon process engineering's determination.
 - 1) Process engineering developed sized equipment lists for the pumping stations. A typical generic design will be utilized where appropriate. Procurement provided pricing for all of the equipment based on phone quotes and in-house data. Estimating factored costs for bulk materials based on historical data / ratios. Estimating factored U.S. Gulf Coast (USGC) construction man-hours from the equipment costs based upon historical data / ratios. A site specific productivity was applied to the USGC man-hours to determine actual man-hours. This productivity was based on recent experience in the region adjusted for the specific difficulties of this project. An "All-in" subcontract rate was applied against the site manhours to arrive at construction costs. This "All-in" rate was based on recent experience in the region.
 - 2) Other costs which were included are capital spares, commissioning spares, operating spares, and commissioning / startup activities. Design engineering costs are not included here but are included in the design engineering section of the estimate.





- 3) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project.
- o. Intermediate Storage: This section covers repair costs for facilities in the area of the intermediate storage tanks. Estimate includes the cost for four new 1 million barrel storage tanks. Engineering developed a list new equipment which is anticipated to be required in this area. Procurement provided pricing for all the new equipment. All other costs for bulks and construction were factored from the equipment costs.
 - 1) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project
- p. Export Terminal: This section covers the cost to inspect and repair the export terminal in southern Iraq in the Persian Gulf
 - 1) Quotations were obtained for the inspection and potential repairs based on existing data concerning the status of this export terminal. This subcontract cost has been included in the estimate.
 - 2) CMT costs were included on an allocated basis based on the overall CMT costs developed for the entire project.
- q. Operations & Maintenance: Plant services defined the key operating personnel and support requirements for 90 days of operation after completion of each facility for both the oil fields in the North and the South.

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- 2) TCNs were priced using actual rates from recent projects in the region.
- 3) Support requirements were priced using historical data.
- 4) HCN workers will be relified as appropriate. These costs are included.
- r. Environment: This section includes costs for environmental assessment and remediation teams in Iraq.
 - 1) Environmental engineering defined all the personnel, material, and support requirements for these teams.
 - 2) Gulf spill (maximum 1.2 MM BPD) is considered in the ROM.

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Logistics Civil Augmentation Program (LOGCAP) CONTINGENCY SUPPORT PLAN

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4) TCNs w	ere priced using act	tual rates from recen	t projects in the reg	<u>z</u> íon.	
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Logistics Civil Augmentation Program (LOGCAP) CONTINGENCY SUPPORT PLAN

APPENDIX 2 (ROM ESTIMATE BASIS & ASSUMPTIONS) TO ANNEX R (ROUGH ORDER OF MAGNITUDE) to LOGCAP CONTINGENCY SUPPORT PLAN

REFERENCES. See ANNEX N. Appendix 4.

TIME ZONE USED THROUGHOUT THE PLAN. Iraq.

TASK ORGANIZATION. See ANNEX A.

1. SITUATION. See Base PLAN and ANNEX R.

a. Assumptions:

- 1) All areas have been cleared of the following and excludes cost of removal.
 - a) Landmines or unexploded ordnance.
 - b) War materials and disabled vehicles.
 - c) Chemical or biological hazards.
- 2) Excludes cost of armed guard security at each oilfield.
- 3) All destroyed or damaged plants or facilities which are not planned for repair will be abandoned in place.
- 4) BRS will be exempt from all local taxes, duties, tariffs, etc.
- 5) Excludes the cost of the following:
 - a) Debris removal except in the immediate vicinity of the plant or facility.
 - b) Air travel of personnel assigned on the Assessment Teams.
- 6) Operating Spares are included in the ROM.
- 7) O & M estimate in ROM includes plant operating staff to operate new facilities except for refineries and gas plants for 90 days only.
- 8) System enhancements are excluded.
- 9) Camp costs include mobilization, set up, two years' camp operation and demobilization.
- 10) No contingency is included for further additional discovery then identified in the basis.
- 11) Fifty percent of the wellheads identified in the worst case are damaged by fire above ground and the remaining 50 percent are damaged below ground. For the North area, also consider deep cavern blowout and may last two years of operation.
- 12) For most likely case, 50 percent of wells are damaged by fire above ground and there are no deep cavern blow outs.

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- 2. MISSION. See Base PLAN.
- 3. EXECUTION. The estimate is based on scope defined in ROM basis and assumptions identified on the attachments at end of this section. The ROM of various accounts on worst case is based on the following:
 - a. Expatriate Camp Construction and Operations and Maintenance:

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2)				

- 3) Duration: 943 days.
- b. Management and Administration:
 - 1) Cost includes PMT in Home office and at site, and Construction Management of all work in Iraq for all work including refineries and gas plants.



- 4) Assessment Teams:
 - a) Number of personnel (includes engineering, construction, plant services, procurement and interpreters as required for wellheads, oilfield infrastructures, refineries, gas plants, pumping stations etc.).
 - b) Includes teams for all items defined in scope of work.
- 5) Design and Engineering: This covers only engineering and design personnel for the following activities:
 - a) Wellhead and Flowlines
 - b) GOSP
 - c) Storage and Export terminals
 - d) Gas Plant
 - e) Pumping Stations
 - f) Water Injection to plants
 - g) Stabilization Plants
 - h) Refineries
 - i) O & M staff in the Home Office
- 6) Iraq Energy Infrastructure work at 22 Oilfields. The ROM amount includes the following for each oilfield:
 - a) Oil well firefighting
 - b) Wellheads



- c) Re-drilling and work over for deep wells blowouts
- d) Flow Lines
- e) GOSPs replacement based on same capacity of existing GOSPs capacity
- 7) Power Generation: The ROM does not include power generation facilities.
- 8) Gas Plants and Piping: The ROM included the LPG facilities, sulfur plants, gas handling facilities as identified in the scope documents. The ROM also includes repair of damaged gas lines.
- 9) Oil Pipelines: It is assumed that South.
- 10) Water Injection Plants: The ROM includes replacing water intake plant, water treatment plant, water transfer pumps, water injection pumps and repairing water injection pipelines at both Kirkuk and Rumaylah Water Injection Plants.
- 11) Pumping Stations: ROM is based on the assumption that four pumping stations are required
- 12) Stabilization Plants: ROM is based on the assumption that two stabilization plants are required in northern Iraq.
- 13) Refineries: The ROM is based on the assumption of replacing all three refineries. The details are shown below:
 - a) Bayji Refinery: Capacity 300,000 BPSD. The following units will be replaced:
 - Crude Distillation Unit (3 units)
 - Vacuum Distillation
 - Naphtha Hydrotreater
 - CCR regeneration(3 Units)
 - Diesel Hydrotreater
 - Resid Hydrocracker
 - Amine Treating
 - Utilities and Offsites
 - b) Dwarah Refinery: Capacity: 100,000 BPSD. The following units will be replaced:
 - Crude distillation
 - Naphtha Hydrotreater
 - Reformer
 - Amine Treating
 - Utilities and Offsites
 - c) Basrah Refinery: Capacity: 170,000 BPSD. The following units will be replaces:
 - Crude Distillation (2 units)
 - Vacuum Distillation
 - Naphtha Hydrotreater
 - HVGO Hydrotreater





- Reformer
- Utilities and Offsites
- 14) Intermediate Storage Terminal: The ROM is based on provided four 1 MM BBL capacity storage tanks and associated items.
- 15) Export Terminal: The ROM is based on SPM option at Mina all Bakr terminal and replacing metering skid at Al Faw terminal.
- 16) Operating and Maintenance: The ROM is based on providing operating personnel at sites identified above except for refineries and gas plants for a period of 90 days. This does not include Marketing & Sales functions or personnel.
- 17) Environmental: The ROM includes Soils Remediation, remediation of a major gulf oil spill of 1.2 MM BBL and field testing to ensure sites are free of environmental hazards.
- 18) General: All work will be performed by using Subcontract labor
 - a) TCNs and HCNs labor.
 - b) The work week will 12 hours per day, seven days per week.
 - c) Subcontract all in rate used in ROM is US (fully loaded rate) for straight time work hours.
 - d) Schedule is based on 31 months for oil production and does not include costs for refineries and gas plants. This may affect the Camp Operating cost.
- 4. SERVICE SUPPORT. See ANNEX I.
- COMMAND AND SIGNAL. See Base Plan. ANNEX A. and ANNEX H.

ACKNOWLEDGE:

(b)(6) BRS PGM, LOGCAP

OFFICIAL: BRS D/PGM



ROM BASIS

Oilfields Name	Current Production Capacity/ 1,000BPD	Production Capacity/]		No of GOSPS w/Description	GOSP Capacity/ 1,000BPD		Best Case ROM in MM\$	Most Probable Case ROM in MM\$	Cost/BBL basis/Most Probable case/\$1,000	Rated Cost/ BBL basis	Ranking by Cost Benefit Ratio
A: Northern Ollfleids: N-1/Karkuk	500	700	94	11	Baba GOSP Shurau GOSP Hanjira GOSP Quton GOSP Saralu GOSP Sarbeshekah GOSP Jabalur GOSP	131 99 89 58 131 131 61	Best Case: Refurbish to estimated capacity Most Probable: Damaged 50% of wellheads Damaged 3 GOSPS Worst Case: Destroyed all wellheads Destroyed all GOSPS					(LAMP)
N-2/Bay Hassan	80	80	56	1	North GOSP South GOSP		Best Case: No damage Most Probable: Damaged 50% of wellheads Damaged 2 GOSPS Worst Case: Destroyed all wellheads Destroyed all GOSPS					
N-3/Saddam	40	40	72	0	Saddam GOSP	40	Best Case: No damage Most Probable: Damaged 50% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP					
N-4/Khabaz	20	40	29	0	Khabaz GOSP		Best Case: Refurbish to estimated capacity Most Probable: Damaged 50% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP					
N-5/Jambur	10	20	27	3	South GOSP North GOSP	15 5	Best Case: Refurbish to estimated capacity Most Probable: Damaged 50% of wellheads Damaged 2 GOSPS Worst Case: Destroyed all wellheads Destroyed all GOSPS					
N-6/Qayyarah Group	10	20	87	0	Qayyarah GOSP Najmah GOSP Jawan GOSP Qasab GOSP	5 5	Best Case: Refurbish to estimated capacity Most Probable: Damaged 50% of wellheads Damaged 2 GOSPS Worst Case: Destroyed all wellheads Destroyed all GOSPS					
N-7/Ayn Zalah	10	15	15	0	Zalah GOSP Butmah GOSP		Best Case: Refurbish to estimated capacity Most Probable: Damaged 50% of wellheads Damaged 2 GOSPS Worst Case: Destroyed all wellheads Destroyed all GOSPS					

ROM BASIS

Current Production Capacity/ 1,000BPD	Production Capacity/	No of Wellheads	Wells	w/Description	Capacity/ 1,000BPD	Remarks for various cases	Best Case ROM in MM\$	Case ROM	Worst Case ROM		Rated Cost/ BBL basis	Ranking by Cost Benefit Ratio
7	15	28	0	Sufayah GOSP	15	Best Case: Refurbish to estimated capacity Most Probable: Damaged 50% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						(A)(T)
677	930	408	15									
	\vdash		+	<u> </u>								
500	700	218	5	NR Central GOSP NR GOSP 2 NR Janubia GOSP NR GOSP 4 NR GOSP 5 North Shamiya GOSP	112 See below 201 204 66	Most Probable: Damaged 20% of wellheads Damaged 2 GOSPS Worst Case: Destroyed all wellheads Destroyed all GOSPS						
400	700	218	5	Qurainat 1Q Shamiya 2S GOSP 3R Janubia 4J	180 234	Most Probable: Damaged No wellheads Damaged 2 GOSPS						
200	250	56		AZ Central GOSP AZ GOSP # 1 AZ GOSP # 2 AZ GOSP # 3 AZ GOSP # 4 Hammar GOSP	92 30	Most Probable: Damaged 20% of wellheads Damaged 2 GOSPS						
120	250	300		WQ CGS-8 U/C WQ 'CGS-7 U/C WQ CGS-8 U/C	111 107	Most Probable: Damaged 30% of wellheads Damaged 1 GOSP						
30	30	30		North GOSP Southern GOSP # 1 Southern GOSP # 2 Southern GOSP # 3	7.5 7.5	Most Probable: Damaged 40% of wellheads Damaged 2 GOSPS						
	Production Capacity/ 1,000BPD 7 677 677 200	Production Capacity/ 1,000 BPD 7 15 15 15 15 15 15 15 15 15 15 15 15 15	Production Capacity/ 1,000BPD No of 1,000 BPD Wellheads	Production Capacity/ 1,000 BPD Wellheads No of water Inj Wells	Production Capacity/ 1,000 BPD Weilheads Weils Wood Water Inj Wood Wolfs Wils Wi	Production Capacity/ 1,000 BPD No of Wellheads No of Wellheads Wells Wells	Production Capacity No of Capacity No of Capacity 1,000BPD 1,000 BPD 1,0	Production Capacity No of (Apacity No of (Apacity No of Apacity (Apacity Apacity Apacity (Apacity Apacity Ap	Production Capacity Capacit	Production Capacity Capacity Capacity No of Capacity No	Production Capacity No of water int No of GOSPS Capacity 1,000BPD 1,000BPD Wellheads Willed Willed No of GOSPS No of GosPS	Production Capacity No of Capacity

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ROM BASIS

Olifields Name	Current Production Capacity/ 1,000BPD	Estimated Production Capacity/ 1,000 BPD	No of	No of water inj Wells	No of GOSPS w/Description	GOSP Capacity 1,000BPD	1	Best Case ROM in MM\$	Most Probable Case ROM In MM\$	Case ROM	Cost/BBL basis/Most Probable case/\$1,000	Rated Cost/ BBL /basis	Ranking by Cost Benefit Ratio
S-14/Al Luhays	30	40	16	ū	Al Luhays GOSP	40	Best Case: Refurbish to estimated capacity Most Probable: Damaged 20% of wellheads Damaged GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-15/Nasiriyah	30	30	23	0	Nasiriyah GOSP	30	Best Case: No damage Most Probable: Damaged 40% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-16/Majhoon	25	25	??	??	Majnoon GOSP		Best Case: No damage Most Probable: Damaged 20% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-17/Jabal Fauqi	20	40	20	0	JF North GOSP JF South GOSP	20	Best Case: Refurbish to estimated capacity Most Probable: Damaged 40% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-18/East Baghdad	20	30	80	0	Baghdad GÖSP		Best Case: Refurbish to estimated capacity Most Probable: Damaged 70% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-19/Abu Ghurab	15	30	13	0	AG North GOSP AG South GOSP	15	Best Case: Refurbish to estimated capacity Most Probable: Damaged 40% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-20/Subba	10	10	19	0	Subba GOSP		Best Case: No damage Most Probable: Damaged 40% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
S-21/Halfaya	10	10	4	0	Halfaya GOSP		Best Case: No damage Most Probable: Damaged 40% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						

ROM BASIS

Dilfields Name	Current Production Capacity/ 1,000BPD	Production Capacity/	4		No of GOSPS w/Description	GOSP Capacity 1,000BPD	T .	Best Case ROM in MM\$	Case ROM	Worst Case ROM	1 1	Rated Costi BBL basis	Ranking by Cost Benefit Ratio
S-22/Nahr Umar	10	10	9	0	Nahr Umar GOSP		Best Case: No damage Most Probable: Damaged 20% of wellheads Damaged 1 GOSP Worst Case: Destroyed all wellheads Destroyed GOSP						
Total Southern Oilfields:	1,420	2,155	1,006	57				1					
Fotal Capacity: Sub Total Including Mark up Site Management Fotal:	2,097 p:	3,085	1,414	72		:	And the second s						

* Total Capacity is 3.1 MM BPD







ROM Basis

	Rated Capacity 1,000BPD			Remarks for Variouis Cases	Best Case ROM in MM\$	Most Probable Case ROM in MM\$	Worst Case ROM In MM\$	Rank Order
C: Pump Stations:								
K-1 K-2 K-3 IT-1 IT-1A IT-2 IT-2A IT-3 IT-3A Strategic P/L PS-1 Strategic P/L PS-2 North Rumaylah Central GOSP North Rumaylah Central Gathering Station Zubair-1 (Z-1) Buzurgan Complex EX PST Avanah Pump Station IPSA-1 IPSA-2 Al Faw North	1,500 1,500 1,400 1,000 1,000 In Turkey In Turkey 980 980 840 1,700 1,700 200 520 1,600 1,600		Best Case: Most Probable: Worst Case:	Minimal repair of existing pump stations 2 New Pumping stations in Northern Iraq 1 new Pumping Station in Southern Iraq All destroyed. Install new 2 new Pumping stations in North & 2 in South Iraq				
Al Faw South D: Oil Pipelines: I-T to Turkey Strategic to Rumaylah Gathering Statlon (Bi directional) North Rumaylah Central GOSP to Al Faw	4,288 1,000 980	48	Best Case: Most Probable:	No damage to flowlines & pipelines 300 LF of flowlines damaged at well heads 1.0% of pipeline damaged in North & 0.50% in				
Z-1 to Ai Faw North of Tankfarm IPSA-1 to Z-1 IPSA-1 to IPSA-2 IPSA-2 to IPSA-3 Ai Faw South to Mina Bakr		28 24/30/32 48 48 48 2-48	Worst Case:	South Iraq 300 LF of flowlines damaged at well heads 1.0% of pipeline damaged in North & 1.0% in South Iraq				
E: Gas Pipelines: Kirkuk to Hadithah			Best Case:	No damage to Gas pipelines				

ROM Basis

	Rated Capacity 1,000BPD	Line Size	Rated Capacity MMSCF/D	-	Remarks for Variouls Cases	Best Case ROM In MM\$	Most Probable Case ROM In MM\$	Worst Case ROM in MM\$	Rank Order
ladithah to North Rumaylah				No. A Barbara	1.0% of pipeline damaged in North & 0.50% in		-		_
Bayji to Baghdad North Rumaylah to Al Mahmudiyah				Most Probable:	South Iraq 1.0% of pipeline damaged in North & 1,0% in				
North Rumaylah to South Rumaylah South Rumaylah to Az Zubayr Az Zuɓayr to Al faw				Worst Case:	South Iraq				
Chor Az Zubayr Condensate Storage, Az Zubayr									
: Terminals:				Best Case: Most Probable:	No damage				
N Faw North Terminal, Al Faw N Faw South Terminal Nou Flus, Basrah Khor Az Zubayr Terminal & Storage, Az Zubayr Imm Qasr, Umm Qasr Khor Amaya Terminal Mina Al Bakr Platforms A & B					50% damaged 50% damaged 50% damaged 50% damaged Minimum damage Minimum damage Minimum damage				
		İ		Worst Case:	Extensive damage				
6: Water injection Plants:	İ								
z Zubayr and Rumaylah Injection lirkuk Water Injection				Best Case: Most Probable: Worst Case:	No damage Mimimum damage in South, 50% damage in Nort Extensive damage				
l: Refineries:									
z Zubayr Petrochemical Complex, Az Zubayr asrah Refinery, Basrah	Ì			Best Case:	No damage				
ubah Tank Farm and Pump Station, Az Zubayr				Most Probable:	50% damaged				
rude Processing Plant #1, Kirkuk rude Processing Plant #2, Kirkuk aji Refinery, Kirkuk				Worst Case:	Extensive damage				
Gas Plants:				Best Case:	No damage/Ensure plants are working				
z Zubayr LPG Plant # 1, Az Zubayr z Zubayr LPG Plant # 2, Az Zubayr	ļ		100 to 200	Most Probable:					

-SEGRET

BRS Proprietary Data.

1/30/2003





ROM Basis

	Rated Capacity 1,000BPD	Line Size In Inches	Rated Capacity MMSCF/D		Remarks for Variouis Cases	Best Case ROM in MM\$	Most Probable Case ROM in MM\$	Worst Case ROM in MM\$	Rank Order
Az Zubayr LPG Fractionation Plant, Az Zubayr Rumaylah LPG Plant, Rumaylah Basrah Refinery Gas Plant	100		1,500 100	Worst Case:	Extensive damage				
Kirkuk H2S Removal Plant, Kirkuk (4 trains) Kirkuk Sulfur Plants, Kirkuk (4 trains) Kirkuk North Gas Plant, Kirkuk New Gas Plant @ CPP2, Kirkuk GasHandling Facility @ Saddam Fields, Baji	:		400 500 1,000						
J: Power Generation to support Ofifields:				Best Case:	No damage				
	:			 Most Probable:	Repairs in both north & south Oilfields/ Provide two (2) new GTG's BY OTHERS				
	:			Worst Case:	Extensive damage in North & south Oilfields. Provide four (4) new GTG's BY OTHERS				
K: Stabilization Plants				Best Case:	Refurbish existing plants				
				Most Probable:	One new Stabilization plant, One refurbished				
				Worst Case:	Destroyed , Two new Stabilization plants				
L: Intermediate Storage:				All Cases:	Four (4) new 1 Million BBL Storage tanks/				
M: Common Services: * Camp Construction & Operations/Maintenance * PMT/CMT Management/Administration * Construction Equipment /Office supply * Assessment Teams * Design & Enginnering Services * Freight * Insurances * O & M Staff * Enviornmental									
Total: Oillfields:									
Total:									

	4-Aug-08
COST BENEFIT RATIO BY FIELD	
Most Probable Case	

PREPOSITIONED EQUIPMENT REQUIREMENTS

Total Quantity	Unit of Measure	Item Description	Unit Cost	Total Cost
		HEAVY EQUIPMENT		
(b)(4)	L	HEAVI EXCITMENT		
		OTHER EQUIPMENT		
b)(4)				
		HEALTH, SAFETY, ENVIROMENT		
(b)(4)				
		MISCELLANEOUS		
(b)(4)		WIISCELLANEUUS		<u> </u>
		CURTOTAL		b)(4)
		SUB TOTAL		#11.

PREPOSITIONED EQUIPMENT REQUIREMENTS

Total Quantity	Unit of Measure	Item Description	Unit Cost	Total Cost
		FIRE FIGHTING EQUIPMENT		
b)(4)				
		WELL TESTING EQUIPMENT		
b)(4)				
	RE	 PLACEMENT WELLHEAD AND CHRISTMAS TREE EQUIPME 	NT	
i)(4)				

- SECRET

ROM COMPARISON Between Dec 2002 & Jan 2003

16GU55 LOGCAP - TASK 31 Description of Work	18-DEC-02 Maximum Damage Case	5 Oilfields 600 Wells 12 GOSPs 730 Cal. Days 2.4 MM BPD	21-JAN-03 Maximum Damage Case	22 Oilfields 1414 Wells 54 GOSPs 943 Cal. Days 3.1 MM BPD
Camp Construction & Operation Maint.	79,481,000	2,200 Personnel 5 Oilfields	198,293,000	4,350 Personnel 22 Oilfields
Management and Administration	186,877,000	430 Personnel	400,035,000	898 Personnel
DBA & CIGNA Insurance	13,229,000	Function of Labor	34,503,000	Function of Labor
Freight	226,724,000	Function of Mat'l & Equip.	779,385,000	Function of Mat'l & Equip.
Interim Transit	12,205,000	Function of Labor	76,209,000	Function of Labor
Assessment	11,321,000	379 Personnel 5 Oilfields	28,389,000	447 Personnel 22 Oilfields
Design & Engineering	31,959,000	63 Personnel	479,735,000	623 Personnel
Oil Well Firefighting and Capping	328,823,000	600 Wells	977,033,000	1,414 Wells
Wellheads	532,892,000	600 Wellheads	1,241,974,000	1,414 Wellheads
Re-Drilling		No Deep Well Blowouts	2,976,512,000	50% (707) Deep Well Blowouts
Flowlines / Pipelines	85,148,000	600 Wells	142,571,000	1,414 Wells
GOSPs	1,108,679,000	12 GOSPs	3,350,706,000	54 GOSPs
Power Generation	80,125,000	For Facilities in Scope	By Others	
Gas Plants & Associated Piping		Not Included in Scope	1,177,660,000	10 Gas Plants
Water Injection Plants		Not Included in Scope	144,916,000	2 H20 Injection Plants
Pumping Stations	308,829,000	Four Pumping Stations	385,089,000	Same - Refinement of Estimate
Stabilization Plants	225,469,000	Two Stabilization Plants	224,645,000	Same - Refinement of Estimate
Refineries		Not Included in Scope	2,648,046,000	Three refineries
Intermediate Storage	32,788,000	Four mil bbl Storage	32,720,000	Same - Refinement of Estimate
Export Terminal	177,026,000	Pipelines + 2 SPMs	194,810,000	Added metering skid + 2 mm bbl Oil storage tanker for 12 months
Operation and Maintenance - 90 days	13,085,000	12 GOSPs	72,274,000	54 GOSPs
Environmental	38,201,000	Basic Remediation	74,162,000	Includes 1.2 mm bbl Gulf Spill
TOTALS	3,492,861,000		15,639,667,000	

MOST PROBABLE CASE

BEST CASE



SECRET

BRS Government Operations

a division of Kellogg Brown & Root Inc.

Logistics Civil Augmentation Program (LOGCAP)

Contract # DAAA09-02-D-0007

ROM TEMPLATE (BEST CASE-3.1 MM BBL)
IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

24-Jan-2003

Brown & Root Services Proprietary Data - See FAR 3.104

NOTE: In addition to protection under Federal Acquisition Regulation 3.104, this document contains information which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more Exemptions of the Freedom of Information Act, 5 USC Section 552. Furthermore, it is requested that any Government entity receiving this information act in accordance with DoD 5400.7-R, and consider this information as being for official use only (FOUO), and mark, handle and store this information so as to prevent unauthorized access.

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

OM ASSUMPTIONS / NOTES (Additional Assumptions included on Task Execution Plan (TEP):	
Reference ROM Basis of Estimate and Oil Field ROM Assumptions	

Period of Performance: 943 Days

24-Jan-2003 □ □

				<u> </u>				
١	ROM Summ	ary of Total BR	S Costs by Wo	ork Breakdown	Structure (V	VBS)		
١	WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL

PAGE30F86

OF CALL

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

24-Jan-2003

ROM Sumn	nary of Total BR	S Costs by Wo	rk Breakdow	า Structure (V	VBS)		
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL

Period of Performance: 943 Days

24-Jan-2003

		ımmary of Total BR	,			,		
WE	3S - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL

Period of Performance: 943 Days

24-Jan-2<u>003</u>

IIIBA B. 1 .1	Troin Cammary or Total B	NO COSIS BY W	Ork Dreakdown	Otructure (V	100)	F0012 1	7074
WBS - Description	ROM Summary of Total B	<u> Overhead</u>	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL

Period of Performance: 943 Days

24-Jan-2003

		- 2	Â						
ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)									
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL		

Period of Performance: 943 Days

24-Jan-2003

WBS - Description	Summary of Total BR	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL
WB3 - Description	T Direct Cost	Overneau	Gen. & Admin.	Daseree	AWAIGITEE	1 CCM 1	IOIAL

Period of Performance: 943 Days

24-Jan-2003 — ⊕ ⊕

ROM	Summary of Total BR	S Costs by W	ork Breakdown	Structure (V	VBS)		
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL
	ROM Summary of Tot	al KBR Contr	act Costs by C	ost Element			
Cost element	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL

Period of Performance: 943 Days

Camp Construction & Operations/Maintenance -- Non-Labor (NL)

		Camp Construction & Operations/Maintenance Non-L	XDOI (14L)			
Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost P	rocureme Origin	BRS Contract Cost	FSS Cost
5						
<u>.</u>	<u> </u>					
		Abbreviations Key / Legend		Sumn	nary Subtotals	
	Cost Element:	Pricing Source:	Origin:	By (CostElement	
	EQP - Equipment MAT - Material	A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	l - Imported L - Local Procurem	Ð		
	SUB - Subcontracts	When the original purchase was in a foreign currency, the conversion rate to USD at the	FSS - Federal Supp			
	ODC - Other Direct Costs	time the PO was awarded and identified herein as the historical unit price. The convers rate is identified on the face of the PO.	on			
		Q - Vendor Quotation Unit Pricing				
		B - See Proposal Narrative				
			00000			

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Period of Performance: 943 Days
Management O Administration (MO A) Labor (L)

INPUT Job Code	Job Description	Headtount Per Week Bas	od of Perform E Salary Total Days Base Pay (40 brs/wk	was a sale in the	othly Direct Labor Costs Foreign Service Area Dang Bonus Differential Fay	e Labor Subtotal	OLRC (Burdens). Wroll dens OLRC Sublotal	Monthly DBC's	Total Estad
									b)(4)

Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

	Management & Administration (M&A) N	on-Labor (NL)	
Total Unit of Cost Quartity Measure Element	Item Description	Unit Cost Origin	BRS Contract Cost FSS Cost
			5)(4)

Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

Management & Administration (M&A) Non-Easter (NE)							
Total Unit of	Cost		Item Description		Procurem Unit Cost Ongin	BRS Contract Cost	FSS Cost
Quantity Measure	e Element						
561 6				sonistans Data Con EAD 2 MA			

PROJECT CONTROLS
ZV Final Changes/Annex R - ROMNtagi EnergyInfrastructure-ROM BEST CASEFINAL 24Jan03

Brown Root Services Proprietary Data - See FAR3 104
USE OR DISCLOSURE OF DATA CONTAINED ON THIS SHEET IS SUBJECT TO RESTRICTIONS ON TITLE PAGE

Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Flement	Item Description	Unit Cost Origin	BRS Contract Cost	FSS Cost
				(b)[4)

Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

	Cost Item Description	٠	Unit Cost Procureme Ongin	BRS Contract Cost	FSS Cost
					(H)(n)
Parameter and a second a second and a second a second and	Abbreviations Key / Legend		Sumr	nary Subtotals	
	Abbreviations Key / Legend		Sumr.	nary Subtotals	1 (5)(4)
	Abbreviations Key / Legend		Sumr.	nary Subtotals	(b)(4)
	Abbreviations Key / Legend		Sumr. (5)(4)	nary Subtotals	(b)(4)
	Abbreviations Key / Legend		Sumr.	nary Subtotals	(p)(4)
	Abbreviations Key / Legend		Sumr.	nary Subtotals	(b)(4)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

			WBS 11 - DBA & CIGNA Insurance Labo	or (L)
	Unit of Measure	Cost Element	flem Description	Cost
¥_		OLRC	DBA & CIGNA Insurance Cost: Camp Construction & Operatio	onsMaintenance
t		OLRC	DBA & CIGNA Insurance Cost: Management & Administration	(M&A)
E		OLRC	DBA & CIGNA Insurance Cost: Freight	
		OLRC	DBA & CIGNA Insurance Cost: Interim Transit	
E		OLRC	DBA & CIGNA Insurance Cost: ASSESSMENT	
E		OLRC	DBA & CIGNA Insurance Cost: DESIGN & ENGINNERING	
E		OLRC	DBA & CIGNA Insurance Cost: IRAQ ENERGY INFRASTRUC	CTURE WORK Inc
E		OLRC	DBA & CIGNA Insurance Cost: POWER GENERATION	
E		OLRC	DBA & CIGNA Insurance Cost: GAS PLANTS & PIPING	
E		OLRC	DBA & CIGNA Insurance Cost: OIL PIPELINE	
E		OLRC	DBA & CIGNA Insurance Cost: WATER INJECTION PLANTS	
E		OLRC	DBA & CIGNA Insurance Cost: PUMP STATIONS	
		OLRC	DBA & CIGNA Insurance Cost: STABILIZATION PLANTS	
E		OLRC	DBA & CIGNA Insurance Cost: XXX	
E		OLRC	DBA & CIGNA Insurance Cost: REFINERIES	
		OLRC	DBA & CIGNA Insurance Cost: INTERMEDIATE STORAGE T	ERMINAL
		OLRC	DBA & CIGNA Insurance Cost: EXPORT TERMINAL	
_		OLRC	DBA & CIGNA Insurance Cost: DPERATION & MAINTENANC	DE DE
		OLRC	DBA & CIGNA Insurance Cost: MARKETING & EXPORT	
		OLRC	DBA & CIGNA Insurance Cost: ENVIRONMENTAL	
		OLRC	DBA & CIGNA Insurance Cost: MODERNIZATION	
		OLRC	DBA & CIGNA Insurance Cost: XXX	
		OLRC	DBA & CIGNA Insurance Cost: XXX	
		Abbr	eviations Key / Legend	Summary Subtotals Cost Flement Cost Flement
NOTE: Defense	l Procuremen Base Act Ins	urance (DBA)	is based on in-country expatriate payroll ed on the Cost Parameters Table.	

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQI ENER GY INFRASTRUCTURE Period of Performance: 943 Days WBS 12 - Freight -- Non-Labor (NL)

		WBS 12 - Freight Non-Labor (NL)	
Total Unit of Quantity Measure	Cost Element	ten Description	Cost
9	O DC	Freight @ 17% of Imported Material and Equipment: Camp Construction & Operations/Maintenar	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 02 - Base Camp Maintenance	
	O DC	Freight @17% of Imported Material and Equipment: WBS 03 - HAZMAT	
	O DC	Freight @ 17% of Imported Material and Equipment: Management & Administration (M&A)	
	O DC	Freight @ 17 % of Imported Material and Equipment: ASSESSMENT	
	O DC	Freight @ 17% of Imported Material and Equipment: DESIGN & ENGINNERING	
	O DC	Freight @ 17% of Imported Material and Equipment: IRAQ ENERGY INFRASTRUCTURE WORL	
	O DC	Freight @ 17% of Imported Material and Equipment: POWER GENERATION	
	OBC	Freight @ 17% of Imported Material and Equipment: GAS PLANTS & PIPING	
	O DC	Freight @ 17% of Imported Material and Equipment: WBS 14 - Interpreter / Translator Service	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 15 - Equipment Maintenance	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 16 - Transportation	
	O DC	Freight @ 17% of Imported Material and Equipment: OIL PIPELINE	
	O DC	Freight @17% of Imported Material and Equipment: WATER INJECTION PLANTS	
	O DC	Freight @ 17% of Imported Material and Equipment: PUMP STATIONS	
	O DC	Freight @ 17% of Imported Material and Equipment: STABILIZATION PLANTS	
	ODC	Freight @ 17% of Imported Material and Equipment: XXX	
	O DC	Freight @ 17% of Imported Material and Equipment: REFINERIES	
	O DC	Freight @ 17 % of Imported Material and Equipment: INTERMEDIATE STORAGE TERMINAL	
	O DC	Freight @ 17 % of Imported Material and Equipment: EXPORT TERMINAL	
	O DC	Freight @ 17 % of Imported Material and Equipment: OPERATION & MAINTENANCE	
	O DC	Freight @ 17 % of Imported Material and Equipment: MARKETING & EXPORT	
	O DC	Freight @ 17% of Imported Material and Equipment: WBS 23 - Class III (Fuel) Operations	
	O DC	Freight @ 17 % of Imported Material and Equipment: ENVIRONMENTAL	
	O DC	Freight @ 17% of Imported Material and Equipment: WBS 25 - Container Handling Services	
	O DC	Freight @ 17% of Imported Material and Equipment: WBS 26 - Fire Fighting Services	
	O DC	Freight @ 17% of Imported Material and Equipment: WBS 27 - Camp Upgrades	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 28 - Camp Decommission	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 29 - Road Repair & Maintenance	
	OBC	Freight @ 17% of Imported Material and Equipment: MODERNIZATION	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 37 - Communications	
	O DC	Freight @ 17 % of Imported Material and Equipment: WBS 42 - Power Generation	
	0 DC	Freight @ 17% of Imported Material and Equipment: XXX	
	O DC	Freight @ 17% of Imported Material and Equipment: XXX	
	Abbi	eviations Key / Legend Summary Su Cost Element	btotals Cost Element
on all liems esthrated	posite rate base to be from an in calidata is incur	d on BRS expertance on standarprojects for fielight pombad of conteas. equipment and documposte rate will be adjusted.	

			WBS 13 - Interim Transit Labor (L)	
Total Quantity	Unit of Measure	Cost Element	Item Description	Cost
			Camp Construction & Operations/Maintenance	
	•		(A)	
			4)	
			Management & Administration (M&A)	
			(b)),41	
			ASSESSMENT	
			(6)(4)	
			4	
			DESIGN & ENGINNERING	
			D)(4)	
				lheads. Re-Drilling. Flow
			IRAQ ENERGY INFRASTRUCTURE WORK Includes: Oil Well Firefighting, We	<u>, </u>
			10	
******		***************************************	POWER GENERATION	
			(b)(4)	
			7	
		979-1-100-100-100-100-100	$\{a_1, a_2, a_3, a_4, a_5, a_6, a_6, a_6, a_6, a_6, a_6, a_6, a_6$	

Total Ouantity	Unit of Measure	Cost Element	Item Description	Cost
			GAS PLANTS & PIPING	
			(b) (4)	
I				
			OIL PIPELINE	
			(4)	
			WATER INJECTION PLANTS	
			9	

			PUMP STATIONS	
			(F) (F) (F) (F) (F) (F) (F) (F) (F) (F)	
			4	
			 	
			STABILIZATION PLANTS	
			(A)	
I	ı			
			REFINERIES	
			<u> </u>	

	Total Quantity	Unit of Measure	Cost Element	Item Description	Cost
				INTERMEDIATE STORAGE TERMINAL	
				(5)	-
				<u> </u>	-
					-
Ŧ				EXPORT TERMINAL	-
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35693300				ENVIRONMENTAL	-
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					7

Total Quantity	Unit of Measure	Cost Element	Item Description		Cost
			Subtotals by Type		
		Abbı	l eviations Key / Legend	Summary Sub	totals
Origin: I - Imp L - Lo	orted cal Procuremer	nt		Cost Element	Cost Flement
				GRAND TOTAL	

Period of Performance: 943 Days Interim Transit -- Non-Labor (NL)

Total Unit of Guartin West sure Element Habitation September Mobility Surmary Subtotals Su			Unit Cost	Bostoniovinaminamini S	BRS Contract Cost	FSSCost
Abbreviations Key / Legend Summary Subtotals Cost Element: Pricing Source: EOP - Equipment An - Actual Unit Pricing Based upon Purchase Order/Subcontract values. MAT - Naterial Sub-Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the OCC - Other Direct Costs When the Pricing Source: Sub-Subcontracts Values In the Pricing Sub-Subcontracts Values In the Pricing Sub-Subcontracts Values In the Pricing Sub-Subcontracts Values V		MOBILIZATION & DEMOBILIZATION	1			
Cost Element: Pricing Source: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						\$5555 \$5555 \$555 \$555 \$555 \$555 \$555 \$
Cost Element: Pricing Source: Origin: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing				96966949684989996869 ⁶ 44		
Cost Element: Pricing Source: Origin: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EOP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EOP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EOP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
Cost Element: Pricing Source: Origin: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing						
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EQP - Equipment A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. I - Imported MAT - Material H - Historical Unit Pricing L - Local Procurement SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the FSS - Federal Supply ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing				Bv	Cost Element	
MAT - Material H - Historical Unit Pricing L - Local Procurement SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the FSS - Federal Supply ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	Cost Element:	Pricing Source:	Origin:			
SUB - Subcontracts When the original purchase was in a foreign currency, the conversion rate to USD at the FSS - Federal Supply ODC - Other Direct Costs time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	MAT - Material	H - Historical Unit Pricing	L - Local Procureme	l.		
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	1	are is retaining on the race of the PO. Q - Vendor Quotation Unit Pricing				
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NPUI Job Code	Job Description	Headcox	Hours unt Per Week Base S	ed of Perform Harv Total Days	Estend Base Pay Domedule (40 tars/Adv) (>40 tars	Pay Service	abor Costa Area Dange Offerential Fay	r Labor Subtotal:	Payroll Pa	OLRE (Burdens) ayroll rdens OLRE	Monthly Subtotal 090's	TOTAL COST
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								T		orate Overheads	s, Fees, and FCCM	Total Paring
									,	355 35	355	Total Period
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												(E)

ASSESSMENT -- Non-Labor (NL)

		ASSESSMENT Non-Labor (NL)			
Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost Origin	BRS Contract Cost	FSS Cost
		ASSESSMENT TEAM - EQUIPMENT / TOOLS			
		Abbreviations Key / Legend	Su	mmary Subtotals	
	Cont Flore and			By Cost Element	
	Cost Element: EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values.	Origin: I - Imported		
	MAT - Material SUB - Subcontracts	H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the	L - Local Procureme		
		time the PO was awarded and identified herein as the historical unit price. The conversion	1 00 - Federal Suppl		
		rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing			
		B - See Proposal Narrative			

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQLENERGY INFRASTRUCTURE Period of Performance: 943 Days DESIGN & ENGINNERING — Labor (L)

INPUT Job Code	Job Besoription	Headcou	Hours Int Per Week Base Sala	od of Perform rv Total Bays Base	Extended	Monthly Bired Labor Cos Foreign Service Area	ste Carger	M Payroll	onthly OtRC (Bordens) Payroll	Monthly	TOTAL COST
				[40 hir	souk) (>40 hrs/wk)	Bonus Differentia	al Pay Labors		Burdens DERC Subt	ora DBC's	Total Period
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								Totals and C	orporate Overheads, F	ees, and FCCIM	
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DESIGN & ENGINNERING -- Non-Labor (NL)

	Total Guantity	Unit of Cost Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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<u>Epotencease</u>			Abbreviations Key / Legend		Sun	nmary Subtotals ly Cost Element	
		Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversinate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	Origin: I - Imported L - Local Procuremer FSS - Federal Supply on		y Gost Lemon	
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IRAQ ENERGY INFRASTRUCTURE WORK

INPUT Job Code	Jöb Description	Headcount	Hours Per Week	od of 1 Base Salary Tota	erform		i Eden	Menth	ly Direct Labo eigh	r Cods			Monthly DLRC (B	Urdens)		(BUAL CEST
	300 DESIJA10)	TIEGUUGIA.		0000 30 0 1 1 1 1 1 1 1		Base Pay (40 hrs/k/k)	Eden Schedul (>40 hr	ePay Ser s/wkj Bo	vice Ai	ea Dange rentral Pay	Labor Subtotal	Payroll Burden (%)	Payroli Burdens	OLRC Subtotal	Monthly ODC/s	Total Period
355,000-3000-000-00	IRAQ ENERGY INFRASTRUCTURE MANAGEMENT - (By Work Item)		000000000000000000000000000000000000000	_		_	_		_	_			_	_	_	
1	IMANAGEMENT - (by Work telli)	I		5 - [\$	- \$	- \$	- \$ -			3 -		3	
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IRAO ENERGY INFRASTRIJCTIJRE WORK

INPUT Job Code	Job Description	Headcount Per Week Sase :	ad of Perform alany Total Bays	Extended Base Pay Schedule Pay [49 tirs/wk) (240 tirs/wk)	Worlthly Direct Labor Costs Foreign Service Area Bonus Differential	Danger	Payro	Mentaly CLEC II (By) Favroll Burder		Montaly (GBI/S	TOTAL COST
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								Labor	OLRC	ODC	Total Period
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											(#)/(4)

IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost New Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cust
		IRAQ ENERGY INFRASTRUCTURE DIRECT COSTS - (By Field)				
						(6)(4)

IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Cost Measure Element	Hem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	Hem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Unit of Curst Stement St

IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	Rem Descriptio	n	Unit Cost Origin	BRS Contract Cost	FSS-Cost
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IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Fotal Quantity	Unit of Measure	Cost Element	Hem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Eletnent	Nem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAO ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	New Description	3 3,	Unit Cost Procureme. Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

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IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

c	Total Juantity	Unit of Measure	Cost Element	He	em Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS (Cost
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IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	lem Description	Unit Cost	Procureme Origin	BRS Contract Cost	ı	SS Cost
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IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

	Total Quantity	Unit of Measure	Cost Element	llem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS-Cost
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IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	llem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

,	Total Quantity	Unit of Measure	Cost Element	lten	n Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	Nem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	lten	n Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
								\$ -	\$ -

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
						\$ -	\$ -

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

Procureme

Total Quantity	Unit of Measure	Cost Element	ttem Descript	ion	Unit Cost	Origin	BRS Contract Cost	FSS Cost
							\$ -	\$ -

IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	llem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS-Cost
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IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Co Measure Elem	ost nent	Hem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
					1 \$	-	<u>s</u> -

IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	ller	n Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
	<u> </u>						\$ -	\$ -

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE
Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

Total Unit of Quantity Measure	Cost Element	llem (Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

	Total Unit of Cost Quantity Measure Element	llem Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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	<u> </u>	Abbreviations Key / Legend	<u> </u>	Sum	mary Subtotals	
	Cost Element EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A Actual Unit Pricing Based upon Purchase Order/Subcontract values. H Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the	Origin: - Imported Local Procuremer =SS - Federal Supply	- Ru	mary Subtotals Cost Element	(5)(4)
	EQP - Equipment MAT - Material	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	- Imported Local Procuremen	- Ru	mary Subtotals L'Cost Element	(b))4)
	EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	- Imported Local Procuremen	- Ru	mary Subtotals (Cast Element	[5](4)

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQLENERGY INFRASTRUCTURE Period of Performance: 943 Days GAS PLANTS & PIPING – Labor (L)

INPUT		Hours		d of Perform				d Labor Costs				Monthly OLRC (Burdens)		TOTAL COST
Job Code Job Decomption	Headcount	Per week	Base Salary	Total Days	Base Pay	Extended Schedule Pay	Foreigh Service	Area	Danger		Payroll	Payroli		Monthly	
		1			(40 hirs/kik)	(≥40 hrs/wk)	Bonus	Differential	Pay	Labor Subtotal	Burden (%)	Burdens	OLEC Subtotal	OBC's	Total Period
									<u> </u>		_				
											Totals and	Corporate C	Overheads, Fees,	and FCCN	Total Period
												Labor	ULAC		IOSAI PERIOD

GAS PLANTS & PIPING -- Non-Labor (NL)

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost Origin	BRS Contract Cost	FSS C ost
					b)(4)

GAS PLANTS & PIPING -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Eleme	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FSS Cost
					(b)(4)

GAS PLANTS & PIPING -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Procureme BRS Contract Cost FSS:
	Abbreviations Key / Legend	Summary Subtotals
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE 3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days WATER INJECTION PLANTS -- Labor (L)

INPUT			Hours	od of Perform	ne e	1	Monthly Direct Labor Co	osts		· A	Sonthly OLR C (Burdens)		TOTAL COST
Job Code	Job Description	Headtount	Per Week Base	Salary Total Days	Base Pay	Extended Schedule Pay	Foreign Service Area	Danger		Payroll	Payroll		Monthly	
					(40 hrs/wk)	(=40 hrs/wk)	Bonus Different	ial Pay	Labor Subtotal	Burden (%)	Burdens	OLRIC Subtotal	00.0's	Total Period
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<u> </u>									<u> </u>	Totale and (`ornorata ∩	verheads, Fees	and FCCN	1
										r Olaris arric (Labor	OLRC	ODC	Total Paried
								**************************************						D)(4)
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WATER INJECTION PLANTS -- Non-Labor (NL)

Total Unit of Quantity Measure	Cost Element	Item Description	n	Unit Cost Procureme Origin	BRS Contract Cost	FSSCost
						b)(4)

WATER INJECTION PLANTS -- Non-Labor (NL)

Total Quantity	Unit of Measure	Cost Element	lten	n Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost

WATER INJECTION PLANTS -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Flement	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FSSCost
	Abbreviations Key / Legend		Sun	nmary Subtotals	Γ
	/ India of the first of the fir			v Cost Flement	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	Origin: I - Imported L - Local Procureme FSS - Federal Supp			

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE 3.1 MM BBL) IRAQLENERGY INFRASTRUCTURE Period of Performance: 943 D ays PUMP STATIONS -- Labor (L)

WPUT Job Code Job Decorption	Headcount Per Week Sase	adof Perform Salary Total Days	Monthly Direct Labor Costs Foreign / Service Area Bonus Differential	Danger Fay Labor Sub	Payroll Fayr	OLRC (Bordens) coll ens OLRC Subtotal	Monthly ODCS Total Period
							(J)(H)
					Totals and Corpor	ate Overheads, Fees, a	
							200 Total Parint

			TOME OTATION	5 14011-Labor (14L,				
Total Quantity	Unit of	Cost Element	Item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
I Guarino	<u> </u>	1. Clellell.			1			

			FOWE STATIONS NO	II-Labor (IVL)				
Total Quantity	Unit of C Measure Fie	ost ment	Item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost
								(b)(4)

Total Unit of Cost Quantity Measure Element	Item Description	Unit	Cost Procureme BR	RS Contract Cost	FSSCost

Total Unit of Cost Quantity Measure Element	Item Description	UnitCost	Procureme BRS Contract Cost	FSS Cost
	Abbreviations Key / Legend	<u> </u>	Summary Subtotals	
Cost Element: EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	Origin: I - Imported L - Local Procureme	Ru Cost Flement	

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE 3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days STABILIZATION PLANTS -- Labor (L)

INPUT	Hours add Pett	veni	orthly Direct Labor Costs			Monthly OLEC (8	urdens)		TOTALCOST
Job Code Job Description	Headcount Per Week Base Salany Total Da	Base Pay Schedule Pay	Foreign Service Area	Danger	Payroll	Payroli		Monthly	
		[40 hrs/k/k] (>40 hrs/k/k)	Bonus Differential	Pay Labor Subto	otal Burden (%)	Burdens	OLEC Subtotal	OBCS	Total Period
									9
									÷
					<u> </u>				
					Totals and		erheads, Fees		
				I		Labor	OLRC	ODC	Total Period
									(D) (4)

STABILIZATION PLANTS -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost	Origin BRS Contract Cost	FSS Cost
		Abbreviations Key / Legend		Summary Subtotals By Cost Element	
	Cost Element: EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values.	Origin: I - Imported		
	MAT - Material SUB - Subcontracts	H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to U	L - Local Procureme SD a FSS - Federal Suppl		
	ODC - Other Direct Costs	time the PO was awarded and identified herein as the historical unit price. The rate is identified on the face of the PO.	conversion		
		Q - Vendor Quotation Unit Pricing B - See Proposal Narrative			
			100,00		

Logistics Civil Augmentation Program (LOGCAP)
ROM TEMPLATE (BEST CASE 3.1 MM BBL)
IRAGI ENERGY INFRASTRUCTURE
Period of Perform since: 245 Gb; 1
REFINERIES – Labor (L)

	Headman 1 Services Services 1 Total Co	El ended (Easte Page : Edh	Monthly throbitabor Chests thended Coreign area Conger equie Per Service area Conger	Danger HG#Asst	Payrali Sevrali	htt: 0185 (Surtlen to DEC Medical Ultraconne Input orden (J.85 Surth	robb bally Monary:	(a) st cost
								b)(4)
					Labor	Totals and Corporate Overheads, Fee	es, and PCCM	Torsi Parior
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Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Origin	BRS Contract Cost	FSSCost
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Total Quantity	Unit of Measure	Cost Element		Item Descript	ion		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
										(b)(4)

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Total Quantity	Unit of	Cost Element	Item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost
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Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Procureme	BRS Contract Cost	FSS Cost
	Brown Root Service USE OR DISCLOSURE OF DATA CONTAINED OF			

Total Suantity	Unit of Cost Measure Flement	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FSSCost
anamin	<u> Weasure I Element</u>		<u> </u>		<u> </u>	
		Abbreviations Key / Legend		Sum	mary Subtotals	
	Cost Element:	Pricing Source:	Origin:	Sum By	mary Subtotals (Cost Element	
	EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values.	I - Imported	Sum By	mary Subtotals Cost Element	
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	EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	I - Imported L - Local Procuren FSS - Federal Sup	Sum By	mary Subtotals · Cost Element	
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	EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	I - Imported L - Local Procuren FSS - Federal Sup	Sum I By	mary Subtotals r Cost Element	

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQLENERGY INFRASTRUCTURE Period of Performance: 943 Days INTERMEDIATE STORAGE TERMINAL -- Labor (L.)

INPUT Job Code	Job Description		Headcount	Hours Per Week &	of Perform otal Days	Base Pay	Extended Schedule Pay	Foreign	of Labor Costs				Manthly OLRC(Bu	dens)		TOTAL COST
						(40 brs/k/k)	(>40 hrs/vk)	Service Bonus	Area Differentia)	Danger Pay	Labor Subtotal	Payroli Burden (%)	Payroll Burdens	DLRC Subtotal	Monthly O9:0'≲	Total Period
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		<u>,,,,,,,,,,,</u>			 000000000000000000000000000000000000000			********				Totals ar	d Corporate Ov	rheads, Fees, a	nd FCCIVI	
													Labor	OLRC	ODC	Total Period
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

INTERMEDIATE STORAGE TERMINAL -- Non-Labor (NL)

total Unit of Cost Ouantity Measure Element	item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
					(4)(4)
	Abbreviations Key / Legend			ary Subtotals Cost Element	
Cost Element: EQP - Equipment MAT - Material	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	Origin: I - Imported L - Local Procureme	DV C	LEHEH	(0)(4)
SUB - Subcontracts ODC - Other Direct Costs	When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO.	FSS - Federal Supp			
	Q - Vendor Quotation Unit Pricing B - See Proposal Narrative				
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PAGE 16 OF 86

PROJECT CONTROLS
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P RINT DATE 1/22/2003

EXPORT TERMINAL -- Labor (L)

INPUT Job Code	Job Bescription	Headrount	Hours Per Week	Base Salary	of Perform Total Bays	Base Pay (40 hrs/wk)	Extended Schedule Pay (>40 hrs/wk)	Monthly Birect Foreign Service Bonus	Labor Costs Area Bifferential	Banger Pay I	abor Subtotat	Payroll Burden (%)	onthly OLRC (i Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period.
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													Labor	OLRC	ODC	Total Period
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EXPORT TERMINAL -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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		Abbreviations Key / Legend		Sumi	mary Subtotals	
		• •			Cost Element	
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	SUB - Subcontracts ODC - Other Direct Costs	When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	FSS - Federal Sup	r de la companya de l		
		B - See Proposal Narrative				

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE-3.1 MM BBL) IR AQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days OPERATION & MAINTENANCE – Labor (L)

INPUT Job-Code	Job Description	Неэброци	Hours Per Week	od of Base Salary Toti	Perform al Days	Base Pay 80	Extended Fi hedule Pay - S	hiv Direct Labor C oreign etwice Area onus Differer	a Danger	Labor Subtota	Payrolf	Payroll Burdens	Burdens) DLRC Subfotal	Monthly DBC's	TOTAL COST
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OPERATION & MAINTENANCE -- Non-Labor (NL)

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		Abbreviations Key / Legend			nmary Subtotals	
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (BEST CASE 3.1 MM BBL) IRAQLENERGY INFRASTRUCTURE Period of Performance: 943 D ays ENVIRONMENTAL -- Labor (L.)

INPUT Job Code	Job Description	Headcount	Hours Per Week	Base Salary	od of Perform Total Days	Base-Pay (40 hrs/wk)	Extended Schedule Pay (>40 hrs/wk)	donthly Dine Foreign Service Bonus	t Labor Costs Area Differential	Danger Pay	Labor St	ibtotal	Mc Payroll Burden (%)	nthly OLRC: Payroll Burdens	Burdens) OLRC Subtotal	Monthly OBC's	TOTAL COST
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														Labor	OLRC	ODC	Total Per

Feadcount/Totals

ENVIRONMENTAL -- Non-Labor (NL)

Total Unit of Quantity Measure	Cost Element	item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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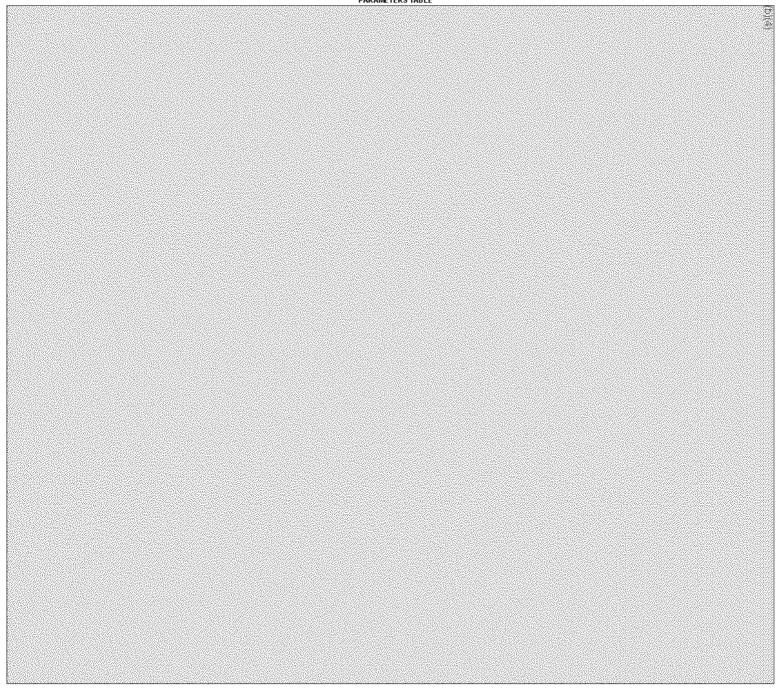
ENVIRONMENTAL -- Non-Labor (NL)

Total Unit of Cost Ouantity Measure Flement	frem Description	Unit Cost Origin	BRS Contract Cost FSS Cost
			(b)(4)

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Level Code	Job Code	Payroll	Department	Job Descriptio	п	Sala Base Monthly	y Uata Hourly Pay			
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BRS Government Operations

a division of Kellogg Brown & Root Inc.

Logistics Civil Augmentation Program (LOGCAP)

Contract # DAAA09-02-D-0007

ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28-Jan-2003

Brown & Root Services Proprietary Data - See FAR 3.104

NOTE: In addition to protection under Federal Acquisition Regulation 3.104, this document contains information which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more Exemptions of the Freedom of Information Act, 5 USC Section 552. Furthermore, it is requested that any Government entity receiving this information act in accordance with DoD 5400.7-R, and consider this information as being for official use only (FOUO), and mark, handle and store this information so as to prevent unauthorized access.

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

	ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)								
ROI WBS - Description	M Summary of Total BR Direct Cost	S Costs by V Overhead	Vork Breakdown Gen. & Admin.	Structure (V	VBS) Award Fee	FCCM			

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)								
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM		

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS) WBS - Description Direct Cost Overhead Gen. & Admin. Base Fee Award Fee							
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28-Jan-2003 ≞ ⇒

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	ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)										
- [WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM				
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

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ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)						
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28-Jan-2003

ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)									
Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM				
									

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

RO	ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)								
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM			
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Period of Performance: 943 Days

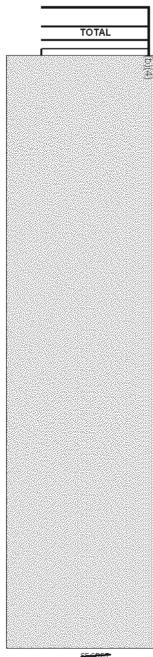
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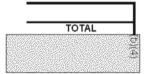
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R	OM Summary of To	tal KBR Conti	ract Costs by C	ost Element		
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POWER GENERATION - ALTERNATE ACTION PLAN						
(Refernce Tab K to Appendix 2 Annex F)						500510550051050055



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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRA QI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Camp Construction & Operations/Maintenance -- Non-Labor (NL)

		Camp Construction & Operations/Maintenance Non-Lab	oor (NL)		
Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cos
	I			1	
		Abbreviations Key / Legend	Su	mmary Subtotals	l
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	EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified in the face of the PO. Q - Vendor Quotation Unit Pricing	I - Imported L - Local Procuremen FSS - Federal Supply		
		B - See Proposal Narrative			

Logistics Civil Augmentation Program (LOGCAP) ROMTEMPLATE (MOST PROBABLE CASE:3: MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days Management & Administration (M&A) -- Labor (L)

NPUT Hours Sid of Pertorn Monthly Direct Labor Costs Job Code Job Description Headcount Per Week Sace Salary Total Cave Extended Foreign	Monthly/OLEC/Burdens) IDTAL COST
Job Code Job Description Headsourt Fer Week Base Salary Total Days Extended Foreign Base Pay Schedule Pay Service Area Dan 14th house Salar Pay Schedule Pay Service Area Dan 14th house Salar Pay Schedule Pay Service Differential Fa	ger sabor Subtotal Bunden (9s.) Burdens OLRC Subtotal Monthly Total Period E
	Totals and Corporate Overheads, Fees, and FCCM
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

			Management & Administration (M&A) Non-Labor (N	L)			
Total Quantity	Unit of Measure	Cost Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Total Quantity	Unit of Measure	Cost <u>Element</u>		Item Desci	ription		Unit Cost	Procurem Origin	e BRS C	ontract Cost	FSS Cost

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cost
	Abbreviations Key / Legend	Sur 8	nmary Subtotals y Cost Element	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at time the PO was awarded and identified herein as the historical unit price. The converse is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	Origin: I - Imported L - Local Procuremen the FSS - Federal Supply	y GOST ETERRETIE	1
	B - See Proposal Narrative			
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost Origin	BRS Contract Cost FSS Cost
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Logistics Civil Augmentation Program (LOGCAP)

ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days
WBS 11 - DBA & CIGNA Insurance -- Labor (L)

	Total Unit of Cost Item Description Quartity Measure Element		Cost
			9
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	Abbreviations Key / Legend	Summary Cost Flemer	Subtotals t Cost Flement
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SECRET Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3:1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days WBS 12 - Freight -- Non-Labor (NL)

Total United Dipartity Measure	Cost Element	tem Description		Cost
				(4)(10)
Origin:	Abbreviations Key (L	egend	Summary Sub Zost Element	Cost Element
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SECRET Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQIENERGY INFRASTRUCTURE

Period of Performance: 943 Days

WBS 13 - Interim Transit -- Labor (L)

Total Unit of Di Quantity Measure Star	oed nent	Hem Description		Cost	
					(H)

SEGET Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

WBS 13 - Interim Transit -- Labor (L)

Total Quantity	Unit of Cost Measure Etement	Hem Description		Cost

SEASON LOGISTICS CIVIL AUGMENTATION PROGRAM (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQIENERGY INFRASTRUCTURE

Period of Performance: 943 Days

WBS 13 - Interim Transit -- Labor (L)

Total Unit of Cost Rem Description Discribly Measure Flement	Cost
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Abbreviations Key / Legend Origin: I - Imported L - Local Procurement	Summary Subtotak
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Logistics Civil Augmentation Program (LOGCAP)

ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days Interim Transit -- Non-Labor (NL)

 Total Quantity	Unit of Cost Measure Flement		item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
								b)(4)
			ations Key / Legend			Sum By	mary Subtotals Cost Element	
	Cost Bernent: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	H - Historical Unit Pricing When the original purchase	d upon Purchase Order/Subcontract va was in a foreign currency, the convers was the historical un of the PO. ricing	ion rate to USD at the	Origin: I - Imported L - Local Procureme FSS - Federal Supp			[b](4)

Logistics Civil Augma**rtates** Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days ASSESSMENT -- Labor (L)

INPUT Job Code Job Bescription		Hours	Base Salary	od of Perform				d Labor Costs			, A	Monthly OLRC (Burdens)		TOTAL COST
Job Code Job Description	Headrount	rer Week	o ase Salary	iotai Bays	Base Pay (40 hrs/wk)	Extended Schedule Pay (>40 brs/wk)	Foreign Service Bonus	Area Differential	Danger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period
		.											I	.	
	-	-								7	otals and C		verheads, Fees,	and FCCM	
												Labor	OLRC	ODC	Total Perio
									\$300000						

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAOI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days ASSESSMENT -- Non-Labor (NL)

Total Quantity								
	Unit of Cost Measure Element		ltem Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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2-7-10-10-10-10-10-10-10-10-10-10-10-10-10-	40-60-60-60-60-60-60-60-60-60-60-60-60-60	Abbreviation	s Key / Legend		open productive and a property of any	Sum	nnary Subtotals y Cost Element	
	Cost Element:	Pricing Source:	on Burchaso Octobber 1	t walnes	Origin:		, over Lemen	
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		When the original purchase was time the PO was awarded and id rate is identified on the face of th Q - Vendor Quotation Unit Pricin	dentified herein as the historical re PO.	unit price. The conversion	, so - redetal supp			
1		B - See Proposal Narrative						

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days DESIGN & ENGINNERING -- Labor (L)

PIJT Code Job Description	Headcount	Hours PerWeek	Base Salary	od of Perform		Extended	Monthly Bire Foreign	t Labor Costs				Monthly OLRC	Burdens)		TOTAL COST
Code 300 description	neau.vun	I a week	Dasc Jalaly	Tudi Days	Base Pay	Schedule Pa	Service	Area	Danger		Payroll	Payroll		Monthly	
					(40 hrs/wk)	(=40 hrs/wk)	Bonus	Differential	Pay	Labor Subtotal	Burden (%)	Burdens	OLRC Subtotal	OBC's	Total Period
	•										Totals and	d Corporate	Overheads, Fees	and FCCM	1
												Labor	OLRC	ODC	Total Period
									12/02/0	un un un recorde de la compressión de l'ordination de l'étable de l'étable de l'étable de l'étable de l'étable			accentecta de delibrio de la Maria (Color Maria).		oonadaan telkiilka kiilkiilk

SEGRET Logistics Civil Augmentation Program (LOGCAP)

ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

DESIGN & ENGINNERING -- Non-Labor (NL)

Unit of Cost tem Desc Total Quantity Measure Element	ription Unit Ci	ost Origin	BRS Contract Cost	FSSCost
				(b)(4)
Abbreviations Key / Lege	nd .	Sum	mary Subtotals	
Cost Bement: Pricing Source:	Origin:		Cost Element	
Cost Bernent: Fricing Source: EQP - Equipment A - Actual Unit Pricing Based upon Purchase Ord MAT - Material H - Historical Unit Pricing SUB - Subcontracts When the original purchase was in a foreign our	der/Subcontract values. I - Imported L - Local Proc		•	(C) (T)
ODC - Other Direct Costs time the PO was awarded and identified herein as rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative				

SEGRET-PAGE 35 OF 93

SECRETLogistics Civil Augmentation Program (LOG CAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Labor (L)

INPUT Job Code	Job Description	Hours Headcount Per Week Ba	od of Perform se Salary Total Days 8:	Edended ise Pay Schedute Pay hrsAvk) (>40 hrsAvk)	Monthly Bired Labor Costs Foreign Service Area	Danger	Monthly OLEC (Monthly	TOTAL COST
		1 1	[49	h(sMik) (≥40 hrs/wk)	Bonus Differential	Pay Labor Subtotal	Burden (%) Rayroll Burdens	s OLRC Subtotal	Total Period
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Period of Performance: 943 Days

IRAO ENERGY INFRASTRUCTURE WORK

INPUT			Hours	od of Pe Base Salany Total	Horm		Edended	Monthly Direc	Labor Costs				Monthly DLRC	(Burdens)		TOTAL COST
Job Code	Job Description	Headcount	Per Week	Base Salany I Total		Base Pay (40 hrs/k/k)	Schedule Pa (>40 hrs/wk)	r Service	Area Differential	Danger Pay	Labor Subtotal	Payroll Burden Pa) Payroll Burder	s OLRC Subtotal	Monthly Obc/s	Total Period
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																<u>)</u>
												Totale ar	nd Cornorate	Overheads, Fees	and FCCM	
												r Olars ar	Labor	OLRC	ODC	Total Period
																,

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost	item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
	IRAQ ENERGY INFRASTRUCTURE DIRECT COSTS - (By Field)				
	SEE WORST CASE ROMFOR DETAILS ON AVERAGE COST PER WELL COSTS BY FIELD				

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
					(b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cost
		·		-(b))(4)

Period of Performance: 943 Davs

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
						(b)(4)

Period of Performance: 943 Davs

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	item Descriptio		Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
								(5)(4)

Period of Performance: 943 Davs

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
						<u>.</u> (b)(4)

Period of Performance: 943 Davs

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
					[b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
						(b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

IRAQ ENERGY INFRASTRUCTURE WORK	includes: Oil Well Firefighting, Wellheads, Re-			
Total Unit of Cost Quantity Measure Element	Item Description	Procureme Unit Cost Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAG ENERGY INFRASTRUCTURE MORK

IRAQ ENERGY INFRASTRUCTURE WORK	Includes: Oil Well Firefighting, Wellheads, F	Re-Drilling, Flowlines, GOSP's -			
Total Unit of Cost Quantity Measure Element	item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cost	

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
						(b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

	Total U Quantity M	init of Cost easure Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	item Descrip	iton	Unit Cost Procu	FSS Cost
				(b)(4)

Period of Performance: 943 Davs

IRAQ ENERGY INFRASTRUCTURE WORK

IRAQ ENERGT INFRASTRUCTURE WORK	includes: Oil Well Firenghting, Wellneads, Re		11011 20001 (112)	
Total Unit of Cost Onantity Measure Element	ltem Description	Unit Cost Procureme Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

INA & ENERGY	INFRASTRUCTURE WORK	includes: Oil Well Fire	ngnung, wenneaus, Ne	-Dinning, Howin	es, GOSF s -	14011-Labor (14L)	
Total Unit of Quantity Measure	Cost Element	Item Description		Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element		item D	escription		Unit Cost	Procurem Ongin	BRS Contra	ct Cost	FSSC	
												(b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

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	(b)(4)

Period of Performance: 943 Davs

IRAQ ENERGY INFRASTRUCTURE WORK

Tot Quar	al Unit of	Cost Element	item Description	Unit Cost Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

IRAQ ENERGT INFRASTRUCTURE WORK	includes. On well i hengiling	, wellneads, Re-Drilling, Flowlin	es, 005F s	14011-Eabor (14E)	
Total Unit of Cost Quantity Measure Element	item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

			OTORE WORK	includes. On well I helight	 			
Total	Unit of	Cost		item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
Quantity	Measure	Element				3,13,11		

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	Item Description	· · · · · · · · · · · · · · · · · · ·	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Onantity Measure Element	Item Description		ocureme I Ongin	BRS Contract Cost	FSS Cost
					(b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

			OCTORE WORK		nenghang, wenneaus, Ne				
Total	Unit of	Cost		Item Description		Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
Quantity	Measure	Element					Ottgin		

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	C ost Element		scription	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
								-b)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Onantity Measure Element	Item Description	Unit Cost Procureme Ongin	BRS Contract Cost	FSS Cost
				6)(4)
	Abbreviations Key / Legend	Sum	mary Subtotals	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	Origin: I - Imported L - Local Procuremen FSS - Federal Supply	Cost Element	00/14

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

POWER GENERATION -- Labor (L)

Jub Code	Job Description	Headrount	Hours Per Week	od of Perform Base Salary Total Bays	Base Pay (40 hrs/wk)	Extended Schedule Pay (×40 hrs/wk)	Monthly Bired Foreign Service Bonus	Labor Costs Area Bifferential	Banger Pay	Labor Subtotal	Payroll Burden (%)	onthly OLRC (Payroll Burdens	OLRC Subtotal	Monthly OBC's	TOTAL COST
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										T	otais and C	orporate Ov Labor	rerheads, Fees, OLRC	and FCCM	Total Period
									200000000000000000000000000000000000000						
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Period of Performance: 943 Days POWER GENERATION -- Non-Labor (NL)

		POWER GENERATION Non-Labor (NL)		
Total Quantity	i Unit of Cost Measure Element	tem Besorption	Unit Cod Drigin PRS Contract Cod PSS Co	est
			we describe the second	
		Abbreviations Key / Legend	Summary Subtotals	
		Provierindona ricy r Legento	Juninary Jaowan	
	Cost Florost:		Origin: By Cost Bernent	
	Cost Element: EQP - Equipment	Pricing Source: A. Actual Unit Pricing Based upon Purchase Order/Subcontract values.	Origin: I - Imported	
	EQP - Equipment MAT - Material SUB - Subcontracts	Prioring Source: A. Agual Unit Prioring Based upon Purchase Order/Subcontract values. H. Historical Unit Prioring Hospital Prioring Prio	Origin:	
	EQP - Equipment MAT - Material	Pricing Source: A. Actual Unit Pricing Based upon Purchase Order/Subcontract values. H. Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the birms the PO was a	Origin: 1 - Imported L - Local Procuremen	
	EQP - Equipment MAT - Material SUB - Subcontracts	Prioring Source: A. Agual Unit Prioring Based upon Purchase Order/Subcontract values. H. Historical Unit Prioring Hospital Prioring Prio	Origin: 1 - Imported L - Local Procuremen	
	EQP - Equipment MAT - Material SUB - Subcontracts	Prioring Source: A: Actual Unit Prioring Based upon Purchase Order/Subcontract values. H: Historical Unit Prioring When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the tace of the PO. Q: "Acid Countrior Unit Prioring	Origin: 1 - Imported L - Local Procuremen	
	EQP - Equipment MAT - Material SUB - Subcontracts	Prioring Source: A: Actual Unit Prioring Based upon Purchase Order/Subcontract values. H: Historical Unit Prioring When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the tace of the PO. Q: "Acid Countrior Unit Prioring	Origin: 1 - Imported L - Local Procuremen	

Logistics Civil Augmantation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days GAS PLANTS & PIPING — Labor (L)

NPUT			Hours		od of Perform				t Labor Costs			M	onthly OLRC (Burdens)		TOTAL COS
)b Code	Job Description	Headrount	Per Week	Base Salary	Total Bays	Base Pay (40 hrs/wk)	Extended Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Differential	Danger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Peno
												Totals and C	orporate C	verheads, Fees,	and FCCM	
										50000			Labor	OLRC	ОДС	Total Per
										SSS						

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

		ACT BATTO OT IT INC NO.			
Total Unit of Cost Quantity Measure Elemen	nt.	Item Description		Unit Cost Orig	FBS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

Total Guantity	Unit of Cost Measure Element	Item Description	Unit Cost	Procureme BRS Contract Cost	FSSCost
					(6)(4)

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

	GAS FLANTS & FIFING NO	(,			
Total Unit of Cost Ouantity Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

Unit of Cost ty Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
	Abbreviations Key / Legend		Sum	mary Subtotals	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative		3	Cost Element	

Logistics Civil Augmä**ntatto**n Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days OIL PIPELINE -- Labor (L)

INPUT Job Code	Job Bescription	Headrount	Hours	Base Salary	od of Perform		Extended	Monthly Bire Foreign	d Labor Costs				Monthly OLRC (Burdens)		TOTAL COS
Jan Code	Jou Bestapton	neaucoula	ra wax	Dase Salary	iotai vays	Base Pay (40 hrs/wk)	Schedule Pay (×40 hrs/wk)	Service Bonus	Area Differential	Danger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Perioc
			_													
											Ţ	otals and C		/erheads, Fees,		
										8333			Labor	OLRC	одс	Total Period
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE 3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

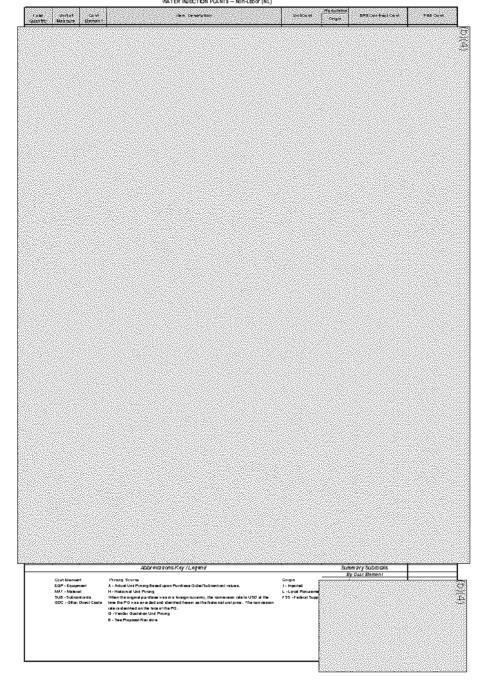
OIL PIPELINE -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
	<u> </u>						
	<u> </u>	Abbreviations Key / Legend	<u> </u>		Sun	nmary Subtotals y Cost Element	
	Cost Element: EQP - Equipment MAT - Material	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values H - Historical Unit Pricing	3 -	rigin: - Imported - Local Procureme SS - Federal Suppl			
	SUB - Subcontracts ODC - Other Direct Costs	When the original purchase was in a foreign currency, the conversion ra- time the PO was awarded and identified herein as the historical unit prior rate is identified on the face of the PO.	ce. The conversion	oo -reuerarouppi			
	SUB - Subcontracts	time the PO was awarded and identified herein as the historical unit price	ce. The conversion	ss -reuera suμμ			

Logistics Civil Augmäntatton Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days WATER INJECTION PLANTS -- Labor (L)

NPUT	Ho	ars od a	of Pierform		Monthly Birect Lal	bor Costs		М	onthly OLRC (Burdens)	HOHAHGOST		
b Code Job Description	Headcount Per V	Veek Base Salany To	otal Cays	Extended ase Pay Schedule Pay	Foreign Service	Area Banger		Payroll	Payroll		Monthly		
				hrs/wk) (>40 hrs/wk)	Bonus Diff	ferential Pay	Labor Subtotat	Burden (%)	Burdens	OLRC Subtotal	OBC's	Total Period	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,] 7	otals and C	orporate O	verheads. Fees.	and FCCM		
	-						7	otals and C	orporate O	verheads, Fees,	and FCCM	Total Period	
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COUNTY LOGING TO COMMENT TO COMMENT (LOG CAP) ROM TEMPLATE (MOST PROBABLE CASES, I MM EBL.) IPAGE ENERSY INFRASTRUCTURE PHOTO OF PERMINSE: 943 [B]: 'AATER INJECTION PLANTS — Non-Labor (NL)



Logistics Civil Augmantation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days PUMP STATIONS -- Labor (L)

INPUT Job Description	Hours Headcount Per Week E	od of Perform			onthly Direct Lab	or Costs			Monthly OLRC	Burdens)		TOTAL COST
on code Journacia de La Companya de La Code	neautouit Fra Week 1	Base Salary Total Bays	Base Pay (40 hrs/wk)	Schedule Pay	Foreign Service A Bonus Diffe	Area Dang erential Pay	ger / Labor Sub	Payroll total Burden (%	Payroll Surdens	OLRC Subtotal	Monthly OBC's	Total Period
								Totals and	I Corporate C	Overheads. Fees	and FCCM	
								Totals and	Corporate C	Overheads, Fees	s, and FCCM ODC	
								Totals and		Overheads, Fees	s, and FCCM ODG	
								Totals and		Overheads, Fees	s, and FCCM Onc	
								Totals and		Overheads, Fees	s, and FCCM ODG	Total Period
								Totals and		Overheads, Fees OLRC	s, and FCCNi ODC	
								Totals and		Overheads, Fees	a, and FCCM ODC	
								Totals and		Overheads, Fees OLRC	, and FCCM ODC	

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500000000000000000000000000000000000000			PUMP STATIONS P	ion-Labor (NL)		Produceme		3 5000000000000000000000000000000000000
Total Guantity	Unitof Goet Meanure £lement		nem Delicription		UnitGoat	Origin	ERS Contract Coat	F83 G01
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	a ct Bement: G P - Equipment	Prioring Bource:	ed up on Purchase Orden@ubo	nniaciualues	Origin : I- imported		y Cost <i>Ele</i> ment	•
	AT - Male dal	H - His lorical Unit Priding			L - Local Procureme			
"	DC -O her DirectCosts	Ime he PO was awarded : rate is identified on he tace	was in a foreign currency, he and identified herein as the his of the PO.	lorical unit price. The cor	nuersion			
		G - Vandor Guolation Unit	Pricing					
		B - Sele Proposal Marrallue						

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days STABILIZATION PLANTS -- Labor (L)

Job Code			Hours		od of Perform				ct Labor Costs			M	onthly OLRC (E	Burdens)		TOTAL COST
	Job Description	Headcount	Per Week	Base Salary	Total Days	Base Pay	Extended Schedule Pay	Foreign Service	Area	Danger		Payroll	Payroll		Monthly	
						(40 hrs/wk)	(>40 tirs/wk)	Bonus	Differential	Pay	Labor Subtotal	Burden (%)	Burdens	OLRC Subtotal	OBC's	Total Period
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													Labor	OLRC	оос	Total Period

Cogstics LIVII Rugmentation Program (LUBURP)
ROM TEMPLATE (MOST PROGRAD LECASES.1 MM BBL)
IRAQI ENERGY IMPRASTRUCTURE
Period of Performance: 943 Ce; i
S TABLE CATION PLANTS — Non-tabor (NL)

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evenant.	IZ MESCUR MEMBEL						
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		Pricing Source		Gogin	B y Dasr E)	COSCONO CONTRACTOR	900000000000000000000000000000000000000
	Cost Element						
	EGF - Equipment	A - Adual Unit Pricing Board upon Purchase Gride R H - Hollorcal Unit Pricing When the original purchase was in a foreign current:	(The communion rate to USD at II)	I- Impoint L - Local Requirement F33 - Federal Suppl			
	EGF - Equipment	When the original purchase was in a long returner:	r, the convenience lake to USC at II e Rolonzal unit pice. The conve	L - Local Roculama F33 - Fade al Supp Il ason			
	EGF - Equipment	When the organic purchase was in a leaving resultant time the PC was availed and identified he en as the rate or dentified on the late of the PC C - Vendor Guidaten Unit Pricing	y, (he convenient tale to USC at II e hotorical unit price. The conve	L - Local Rocument 133 - Federal Supp Isson			
	EGF - Equipment	When the original purchase was in a long returner:	y, the convenien rate to USD at I. a flotoreal unit puca. The conve	L - Local Flocuseme F33 - Federal Suppl Issun			
	EGF - Equipment	When the organic purchase was in a leaving resultant time the PC was availed and identified he en as the rate or dentified on the late of the PC C - Vendor Guidaten Unit Pricing	y, (Ne convenient sale la USC at l e Referent unit price. Me conve	L - Local Flocusems F33 - Federal Suppl Hason			
	EGF - Equipment	When the organic purchase was in a leaving resultant time the PC was availed and identified he en as the rate or dentified on the late of the PC C - Vendor Guidaten Unit Pricing	y, the conversion rate to USD at I	L - Local Requients 1935 - Federal Supp Israen			

Logistics Civil Augméranen Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASES, I MM BBL) IRAGIENERGY IN FRASTRUCTURE Period of Perbmances 3 S. Cay: I REFINERIES – Labor (L)

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1			II										
										Corporate Overheads			
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

REFINERIES -- Non-Labor (NL)

Total Quantity	Unit of Measure	Cost Element	item Des	cription	U	nit Cost P	rocureme Origin	BRS Contract Cost	FSSCos	
									•	(D)(4)

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Total Guantity	Unit of Measure	Cost Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost
							UI-PH

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

			REFINERIES NOII-Labor	(· ·)				
Total Quantity	Unit of Measure	Cost Element	Item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost

FCRFT

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

	REFINERIES Non-Labor (NL)			
Total Unit of Cost	Item Description	Unit Cost Origin	BRS Contract Cost	FSS Cost
Ouantity Measure Element		<u> </u>	<u></u>	6)(4)
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE

Total Unit of Cost Quantity Measure Element	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FSSCost
	Abbreviations Key / Legend		Sum	nmary Subtotals	
Cost Element: EQP - Equipment MAT - Material SIIB - Subcontracts	Abbreviations Key / Legend Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the	Origin: I - Imported L - Local Procureme	В	nmary Subtotals y Cost Element	
EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	l - Imported	В		
EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO.	I - Imported L - Local Procureme	В		
EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	I - Imported L - Local Procureme	В		

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days INTERMEDIATE STORAGE TERMINAL -- Labor (L)

PUT			Hours		od of Perform				ed Labor Costs			N	ionthly OLRC	(Burdens)		TOTAL CO
Code	Job Description	Headcount	Per Week	Base Salary	lotal Bays	Base Pay	Extended Schedule Pay	Foreign Service	Area	Danger		Payroll	Payroll		Monthly	
						(40 tirs/wk)	(>40 hrs/wk)	Bonus	Differential	Pay	Labor Subtotal	Burden (%)	Burdens	OLRC Subtotal	OBC's	Total Perio
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												7 Ottaio tillo	Labor	OLRC	ODC	Total Pen
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAOI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days INTERMEDIATE STORAGE TERMINAL -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Nem Description	Unit Cost	Procureme BRS Ci	ontract Cost	FSS Cost
		T			
	Abbreviations Key / Legend		Summary Sui By Cost Elen	ntotais nent	
MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A: Actual Unit Pricing Based upon Purchase Order/Subcontract values. H: Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q: Vendor Quotation Unit Pricing B: See Proposal Narrative	Origin: I - Imported L - Local Procureme FSS - Federal Suppl	- 1		1.00

Logistics Civil Augmantation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days EXPORT TERMINAL -- Labor (L)

INPUT ob Code				Hours		od of Perfora	T.			t Labor Costs			N	Monthly OLRC	(Burdens)		TOTAL COS
00 Code	Job Øesco	aption	Headrount	Per Week	Base Salary	lotal Bays	Base Pay (40 hrs/wk)	Extended Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Bifferential	Danger Pay	Labor Subtota	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Perio
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			-	•									Totals and C		verheads, Fees,		
														Labor	OLRC	ODC	Total Pen

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAOI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days EXPORT TERMINAL -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element		Hem Description			Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
Quality	j weisde j claudi.								
		Abbreviation	s Key / Legend					nmary Subtotals	
	Cost Element: EQP - Equipment	Pricing Source: A- Actual Unit Pricing Based upo	n Purchas e Order/Subcon	tract values.	Ori	igin:	R	v Cost Flement	1
	MAT - Material SUB - Subcontracts ODC - Other Direct Costs	H - Historical Unit Pricing When the original purchase was i			L-	Local Procurer S - Federal Sup			
	ODG - Other Direct COSTS	rate is identified on the face of the Q - Vendor Quotation Unit Pricing	PO.	noar unit price. The co	versioff				
		B - See Proposal Narrative							
								aran karang peranggan panggalan bahan b	

Logistics Civil Augmantion Program (LOGCAP)
ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL)
IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

OPERATION & MAINTENANCE -- Labor (L)

Name Payrol Lad First	INPUT DO NO Delete INPUT IF / NTF FORMULAS Job Code	Job Description	Headcount 1	Hours Per Week Base Salary	od of Perform Total Cays	Es Base Pay Sche (40 his/virk) (>4)	Monthly stended Forei edule Pay Servi Otrszyk) Ban	Direct Labor Costs (F) (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Danger Pay Labo	a Substata	Montray (1) Payrol Payro Bunden (4) Bunde	.RC (Bardens) il is	Mosthly 550-2	TOTAL COST
														(m)(H)
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											Labo	r OLRC) DDC	Total Period
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GEORET Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL)

IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

OPERATION & MAINTENANCE -- Non-Labor (NL)

Total Quantity		ost Item i iment	Description	Control of Desire Control Control Control	ureme BRS Contract Cost Igin	FSS Cost
						(D)(4)
		W. S. K.			C	
		Abbreviations Key /	-		Summary Subtotals By Cost Element	
	Cost Element: EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchas	e Order/Subcontract values.	Origin:	1	(D)(4)
	MAT - Material SUB - Subcontracts ODC - Other Direct			L - Local Procuremen FSS - Federal Suppl		4)

Logistics Civil Augmantation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days ENVIRONMENTAL -- Labor (L)

INPUT			Hours		od of Perform				d Labor Costs			M	onthly OLRC	(Burdens)		TOTAL CO
Job Code	Job Bescription	Headcount	Per Week	Base Salary	lotal Bays	Base Pay (40 hrs/wk)	Extended Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Differential	Banger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Perio
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											<i>T</i>	otals and Co	orporate O Labor	verheads, Fees, OLRC	and FCCM ODC	Total Per
													LUDVI	- CLNO	1 020	1 70017 61
										K365.5						

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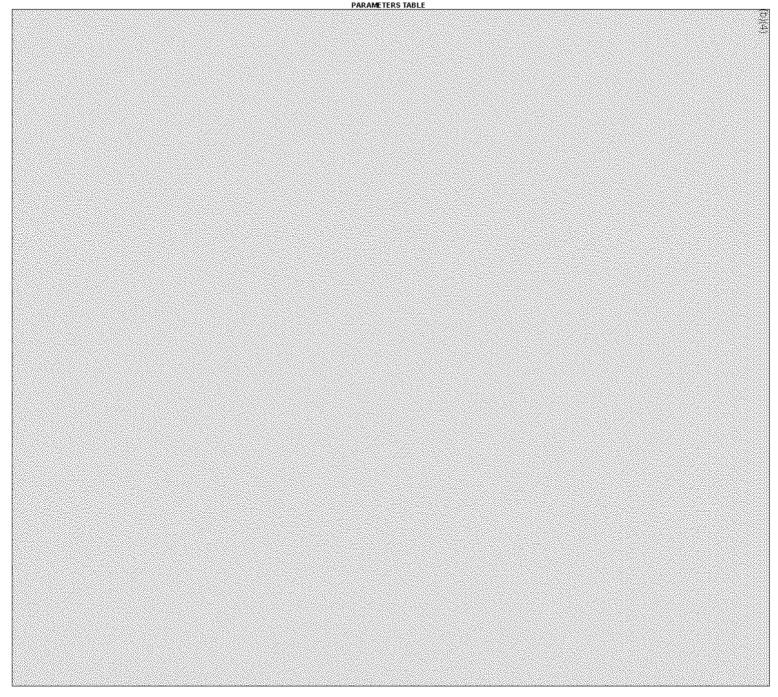
SECRET Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (MOST PROBABLE CASE-3.1 MM BBL) IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

ENVIRONMENTAL - Non-Labor (NL)

900000000000000000000000000000000000000		ENVIKONMENTAL – Non-Labor (NL		Producemen	
	Unit of Cost Measure Element	item Description	Unit Cost	Origin BRS Contract	Cost FS5 Cost
		Abbreviations Key / Le gend		Summary Subtotals By Cost Dement	
	ost Element:	Prioring Source: A - Actual Unit Prioring Based upon Purchase Order/Subcontract values.	Origin: I- Imported		
E M	QP - Equipment IAT - Material UB - Subcontracts IDC - Other Direct Costs	H - Historical Unit Pricing When the original purphase was in a foreign currency, the conversion rate to USD time the P0 was awarded and identified herein as the historical unit price. The corrate is identified on the face of the P0. Q - Vendor Quotation this Pricing B - See Proposal Namative	L - Local Procureme		
E G	1AT - Material	H - Hatorical Unit Pricting When the original prunchase was in a foreign currency, the conversion rate to USD time the PO was awarded and identified herein as the historical unit price. The cor rate is identified on the Goe of the PO. C - Vehodro Quotation Unit Pricting	L - Local Procureme		

		RØM Emplo	yee Roster		
Level Code	Job Code Payroll	Department	Job Description	Base Mon	Salary Data thly Hourly Pay

BROWN & ROOTSERVICES LOGISTICS CIVIL AUGMENTATION PROGRAM (LOGCAP) PARAMETERS TABLE



BRS Government Operations

a division of Kellogg Brown & Root Inc.

Logistics Civil Augmentation Program (LOGCAP)

Contract # DAAA09-02-D-0007

ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

24-Jan-2003

Brown & Root Services Proprietary Data - See FAR 3.104

NOTE: In addition to protection under Federal Acquisition Regulation 3.104, this document contains information which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more Exemptions of the Freedom of Information Act, 5 USC Section 552. Furthermore, it is requested that any Government entity receiving this information act in accordance with DoD 5400.7-R, and consider this information as being for official use only (FOUO), and mark, handle and store this information so as to prevent unauthorized access.

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

OM ASSUMPTIONS / NOTES (Additional Assumptions included on Task Execution Plan (TEP):	
Reference ROM Basis of Estimate and Oil Field ROM Assumptions	

Brown

ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28-Jan-2003 ⊥ ⊜

ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS) WBS - Description Direct Cost Overhead Gen. & Admin. Base Fee Award Fee FCCM TOTAL										
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL			

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ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28~	Jan-	2003
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ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS) WBS - Description Direct Cost Overhead Gen. & Admin. Base Fee Award Fee FCCM TOTAL								
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL	

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ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28-Jan-2003 ≞ ⊜

 ROM Summary of Total BRS Costs by Work Breakdown Structure (WBS)									
WBS - Description	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL		

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ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

28-Jan-2003 ≞ ⊜

WBS - Description	W Summary of Total B	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL
		T.			<u> </u>		

ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

<u>28-Jan-200</u>3

WBS - Description	/I Summary of Total B	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL
	ROM Summary of T	otal KBR Con	tract Costs by C	ost Element			
Cost element	Direct Cost	Overhead	Gen. & Admin.	Base Fee	Award Fee	FCCM	TOTAL
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ER GENERATION - ALTERNATE ACTION PLAN							

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Camp Construction & Operations/Maintenance -- Non-Labor (NL)

Total Quantity	Unit of Measure E	Cost Element			Item Desc	ription			- 1	Jnit Cost	Procureme Origin		ontract Cos	t F	SS Cost
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				<u>lbbreviation</u>	ns Key / Leg	end					Su	ımmary Su. By CostEle.	btotals ment	1	
	Cost Element: EQP - Equipmen MAT - Material SUB - Subcontra		Pricing Source A - Actual Unit F H - Historical Un	: ricing Based up it Pricing	pon Purchase O	rder/Subcontr		to USD at the		orted cal Procurem	ner	immary Su. By CostEle.	btotals ment		
	EQP - Equipmen	ects ect Costs	Pricing Source A - Actual Unit F	: ricing Based up it Pricing Il purchase was awarded and i on the face of t	pon Purchase O s in a foreign cur identified herein the PO.	rder/Subcontr	nversion rate	to USD at the The conversi	I - Imp L - Lo FSS -	orted cal Procurem	ner	immary Su. By CostEle.	btotals ment		
	EQP - Equipmen MAT - Material SUB - Subcontra	ects ect Costs	Pricing Source A - Actual Unit F H - Historical Un When the origina time the PO was rate is identified	: ricing Based up it Pricing Il purchase was awarded and i on the face of t ation Unit Pricir	pon Purchase O s in a foreign cur identified herein the PO.	rder/Subcontr	nversion rate	to USD at the The conversi	I - Imp L - Lo FSS -	orted cal Procurem	ner	immary Su. By CostEle.	btotals ment		
	EQP - Equipmen MAT - Material SUB - Subcontra	ects ect Costs	Pricing Source A - Actual Unit F H - Historical Un When the origina time the PO was rate is identified Q - Vendor Quot	: ricing Based up it Pricing Il purchase was awarded and i on the face of t ation Unit Pricir	pon Purchase O s in a foreign cur identified herein the PO.	rder/Subcontr	nversion rate	to USD at the The conversi	I - Imp L - Lo FSS -	orted cal Procurem	ner	ımmary Su. By CostEle. ⊥	btotals ment		

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRAS TRUCTURE Period of Performance: 943 Days Management & Administration (M&A) -- Labor (L)

INPUT Job Code	Job Description	Headbount	Hours Per Week Base Salary	d of Perform Total Days: Base F (40 brs)	Extended Pay Schedule Pay AAA) [>40 hrs/AA)	Monthly Direct Labor Foreign Service Are Bonus Differe	ea Danger	tabor Subtota	Monthly OLRE (Payroll Payroll Burden (Pkg) Burdens	Burdens) OLRE Subtotal	Monthly IOD 0's	TOTAL COST Total Fenod
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

	Total Unit of Quantity Measure	Cost Element	Item Description		Unit Cost Procureme Ongin	BRS Contract Cost	FSS Cost
							(1) (1)
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PROJECT CONTROLS
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

	ment & Administration (w&A) No		
Total Unit of Cost	Item Description	Unit Cost Ongin	BRS Contract Cost FSS Cost
Quantity Measure Element		1	© (144) (144)
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

Management & Administration (M&A) -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	Procureme Origin BRS Contract Cost	FSS Cos
	Abbreviations Key / Legend		Summary Subtotals	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative		By CostElement	

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE 3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

WBS 11 - DBA & CIGNA Insurance -- Labor (L)

Total Unit of Cost Quarkity Measure Element	Nem Description		Cost
	ns Key / Legend	Summary Subtotals Cost Element Cos	t Element
Origin : I - Imported L - Local Procurement			
NOTE: Defense Base Act Insurance (DBA) is based total direct labor and uplifts as defined on the	on in-country expatriate payroll e Cost Parameters Table.		

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENER GY INFRASTRUCTURE Period of Performance: 943 Days WBS 12 - Freight -- Non-Labor (NL)

Total United Cost Departity Measure Element	tem Description			Cost	
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Abbreviations Key / Leg	end		Summary Subte Cost Element	otals Cost Element	Ï
				000044040404040004	
Origin: I - Imported L - Local Progrement					Î
I-Imported L-Local Potentenent NOTES: BRSwill + titze a composite rate based on BRS expertence on a	sim barprojec†s for fleight				j
I - imported L - Local Procurement NOTES:	sim barprojects for freight site rahe will be adjusted.				
I - Inported L - Local Pipotrement NOTES: BROWIN titze a composite rate based on BRS expertence on a rate based on Create dynamics. As LOGO-AF III stebrical data to become die estimate documpo	e in karprojects for neight of de rade will be adjered.				

Logistics Civil Augmentation Program (LOG CAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

WBS 13 - Interim Transit -- Labor (L)

	WBS 13 - Interim Tra	net Labor (L)	:
Total Unit of Cost Quantity Measure Stement	Item Description		Cost

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQIENERGY INFRASTRUCTURE Period of Performance: 943 Days

WBS 13 - Interim Transit -- Labor (L)

Total Unit of Cost Quantity Measure Stement	item Description		to	a
Control (CC) 1 (Alternation 4 Electrol (C)				

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

WBS 13 - Interim Transit -- Labor (L)

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		Treviations Key / Legel	nd	Summary Subtotak	
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL

IRAGI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days Interim Transit -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Near Description	Buit Cost Procurement Source	Cocurement Reference	BRS Contract Cost FS	S Cost
					(b)(4)
	Abbreviations Key / Legend	<u> </u>	Summary Subtotals		
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	Origin: I - Imported L - Local Procurement FSS - Federal Supply System			-

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days ASSESSMENT -- Labor (L)

INPUT Job Code	Job Bescription	Headrount	Hours Per Week	Base Salary	od of Perform Total Bays	Base Pay (40 hr s/wkg	Extended Schedule Pay (~40 hrs/wk)	Foreign Service	Area Bifferential	Danger	Labor Subtotal	Payroll	Monthly OLRC Payroll Burdens	(Burdens) OLRC Subtotal	Monthly OBC's	Tαal Penod
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												Totals and	Corporate C	overheads, Fees,	and FCCM	Total Period
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										2.0						

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days ASSESSMENT -- Non-Labor (NL)

Total Quanti		Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
						(H)(H)
— —			 		5 -	
-		Abbreviations Key / Legend		Sum	mary Subtotals Cost Element	
	Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	Origin: I - Imported L - Local Procuremer FSS - Federal Supply			(D)(4)
		B - See Proposal Narrative				

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days DESIGN & ENGINNERING -- Labor (L)

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JOD COUR	SIN DESCRIPTION	meaucustii	a di wada	oase saidly	ruarvays	Base Pay (40 hrs/wk)	Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Differential	Danger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period
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											<u> </u>		Labor	OLRC	ODC	Total Period
			Headco	uni Totals						[565)	umung mga umaganu aggusaanu mu ang misin mgintan b	y ny mary na my any aona aon				<u>uu un uu uun mutan uga tan antaa tagta taga,</u>

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

DESIGN & ENGINNERING -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
		•				(b)(4)
					\$ - \$ -	\$ - \$ -
		Abbreviations Key / Legend		S. m	\$ - nmary Subtotals	\$ -
-		Abbreviations Rey / Legena			y CostElement	
	Cost Element:	Pricing Source:	Origin:		y CostElement	· · · · · · · · · · · · · · · · · · ·
	EQP - Equipment MAT - Material	A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	I - Imported L - Local Procureme			, DAME
	SUB - Subcontracts ODC - Other Direct Costs	When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO.	FSS - Federal Suppi า			
		Q - Vendor Quotation Unit Pricing B - See Proposal Narrative				

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Periformance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

MPUT Job Code Job Description Headcuirt Per Wa	od of Perform Escape Select Se	Motthly Direct Labor Costs Foreigh Service Area Danger Fa Bonus Officential Fay Labor Subtotal Burd	Monthly Otac (Burdens) yroli en (Mg) Payroli Burdens Otac Subtotal	Monthly ODC's Total Period
				(b)(4)
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Periformance: 943 Days

IRAO ENERGY INFRASTRII CTIIRE WORK

INPUT Job Code	Jöb D≅oription	Headcount	Hours Per Week		d of Perfor Total Day	, Set	otended nedute Pay 10 fars/wk	Monthly D Foreign Service Bonus		bor Costs Area Remotial	Danger Pay	LaBor Sul	ototal B	Payroll	Marithly ()LR(Payroll Burds			Monthly OBC/s	TOTAL CO
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Guantity	Unit of Measure	Cost Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	F89 Cost
			I IRAQ ENERGY INFRASTRUCTURE DIRECT COSTS - (By Field)				

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL

IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Item Descriptio	on.	Procureme Unit Cost Origin	BRS Contract Cost	FSS Cost
					(Hallen)
OUECT CONTROLS	8	rown Root Services Proprietary Data - See FAR 3.104		<u> </u>	

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	ltem	Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

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To Qua	otal Unit of antity Measure	Cost Element	Item Descripti	ion	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
								(b)(4)
PROJECT CONTROL	LS			Brown Root Services Proprietary Data - See FAR 3.104				

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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element		Item Descrip	tion		Unit Cost	Procur Ong	angener 100 in in	BRS Contrac	t Cost	FSS C	ost

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	Item Description	Unit C	Procureme Cost Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

Procureme

Total Quantity	Unit of Cos Measure Elem	it Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
		COSTS BY FIELD				(H)(m)
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

Procureme

To Quar	al Unit o tity Measu	of Cost ure Element	Ite	m Description	Unit Cost	Ongin	BRS Contract Cost	FSS Cost
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PROJECT CONTROLS				Brown Root Services Proprietary Data - See FAR 3 104				

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Co	ost nent	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Elemen	Item Des	scription	Unit Cost Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Q	Total uantity	Unit of Measure	Cost Element	Į	tem Description	1	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

	Total Quantity	Unit of Measure	Cost Element		item Descrip	otion			Unit Cost	Procureme Origin	BRS Contract Cost	FSS C	
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PROJECT	CONTROLS					Brown Root Servic	es Proprietary Data -	See FAR3.104					

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

Total Unit of Cost Ouantity Measure Element	Item Description	Unit Cost Procureme Origin	BRS Contract Cost	FSS Cost

PROJECT CONTROLS
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Ouantity Measure Element	Item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

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Total L Quantity M	Jnit of Cost easure Element	Item Description		Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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PROJECT CONTROLS		Brown Root Service:	s Proprietary Data - See FAR3.104	DIOTIONIO ON TITLE BROSE			TONE DATE !

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

IRAQ ENERGY INFRASTRUCTURE WORK	includes: Oil Well Firenghling, Wellneads, Ki	c-Drilling, Flowincs, Ocor s	14011-Eabor (14E)	
Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days
IRAQ ENERGY INFRASTRUCTURE WORK Includes: Oil Well Firefighting, Wellt

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	item i	Description	Ur	ocureme Ongin	BRS Contract C	ost	FSS Cost
									(6)(4)

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Quantity Measure	Cost Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit Quantity Measi	of Cost ure Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL

IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Includes: Oil Well Firefighting, Wellheads, Re-Drilling, Flowlines, GOSP's -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Procureme Origin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

	Total Quantity	Unit of Measure	Cost Element	It	em Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element		Description		Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
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T CONTROLS					Services Proprietany Data - Se				

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Guantity	Unit of Measure	Cost Element		ltem Descriptio	n	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

 Total Guantity	Unit of Measure	Cost Element	item Desc	inption	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cost Quantity Measure Element	Item Description		Procureme Unit Cost Origin	BRS Contract Cost	FSS Cost
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Unit of Cos Quantity Measure Elema		Unit Cost	Procureme Ongin BRS Contract Cost	FSS Cost
				2
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	Abbreviations Key / Legend		Summary Subtotals By Cost Element	
Cost Element: EGP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to	Origin: I - Imported L - Local Procuremen o USD at the FSS - Federal Supply	İ	
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE

Period of Performance: 943 Days

IRAQ ENERGY INFRASTRUCTURE WORK

Total Quantity	Unit of Measure	Cost Element	Item Description	Unit Cost	Procureme Ongin	BRS Contract Cost	FSS Cost
	ODC - Other	Direct Costs	Itime the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative				(0)(4)
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INPUT			Hours		d of Perform					Monthly Ol-RC (Buildens)			TOTAL COST			
Job Code	Job Description	Headtount	Per Week	Base Salary	Total Bays	Base Pay	Extended Schedule Pay	Foreign Service	Area	Danger		Payroll	Payroll		Monthly	
						(40 hrs/wik)	(>40 hrs/wk)	Bonus	Oifferential	Pay	Labor Subtotal	Burden (%)	Burdens	OLRC Subtotal	OBC's	Total Period
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PROJECTICONTROLS Z SFinationnex R. ROMYApp7 Ann.R. OLRC

Total Period

POWER GENERATION -- Non-Labor (NL)

		TOWERGE	NERVATION NOTI-L	abor (IVL)				
Total Unit of Quaritity Measure	Cost Element	item Desc	cription		Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
		POWER GRID	D REPAIRS				\$ - \$ -	\$

POWER GENERATION -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost Ong	BRS Contract Cost	FSSCost
	Abbreviations Key / Legend		Summary Subtotals	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. G - Vendor Quotation Unit Pricing B - See Proposal Narrative	Origin: I - Imported L - Local Procurem FSS - Federal Supp	By Cost Element	

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days GAS PLANTS & PIPING - Labor (L)

INPUT			Hours		od of Perform				d Labor Costs				Monthly OLRC	Burdens)		TOTAL COST
Job Code	Job Description	Headcount	Per Week	Base Salary	lotal Bays	Base Pay (40 brs/wk)	Extended Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Differential	Banger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period
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											ī	otals and C		verneads, Fees,		
													Labor	OLRC	орс	Total Period
										1835						

GAS PLANTS & PIPING -- Non-Labor (NL)

Total Quantity	Unit of Measure	Cost Element	ltem Descriptio	n	UnitC	ost Origin	BRS Contract Cost	FSSCost
								(6)(4)

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days GAS PLANTS & PIPING -- Non-Labor (NL)

Procureme Unit of Cost Item Description Unit Cost BRS Contract Cost FSSCost Total Oriain Measure Element Quantity

GAS PLANTS & PIPING -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cos	Procureme t Origin	BRS Contract Cost	FSS Cost

GAS PLANTS & PIPING -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FBSCost
—	<u> </u>		<u>I</u>			
		Abbreviations Key / Legend			nmary Subtotals y Cost Element	
	Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative				D)(H)

Fayrol Cad First TF / HTF FORMULES Job Code Job Description	Hours odd/Petoms Feadcount Fer West Base Salary Total Chys Base Pay 5 [40-his-bulk] [41	Morthly Direct Labor Costs Etland&d Foreign Tedule Pay Service Kree Danger July Tryskill Ponce Differential Pay Labor Subtrible	Monthly OLBC (Bardens) TOTAL COST
	(1999) (1999)		
	, , , , , , , , , , , , , , , , , , , 		,
			Totals and Corporate Overheads, Fees, and FCCM Labor OURC DDC Total Period

OIL PIPELINE -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	II nit C net	BRS Contract Cost	FSSCost
	 	I	T		T.
				\$ - \$ -	\$
				\$ -	\$
		Abbreviations Key / Legend		Summary Subtotals By Cost Element	-
	Cost Element:	Pricing Source:	Origin:	By Cost Element	
	EQP - Equipment MAT - Material	A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	l - Imported L - Local Procureme		
	SUB - Subcontracts ODC - Other Direct Costs	When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion	FSS - Federal Suppl		
		rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing			
		B - See Proposal Narrative			
			k////////		

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days WATER INJECTION PLANTS -- Labor (L)

INPUT			Hours		od of Perform				ed Labor Costs			N	onthly OLRC (Burdens)		TOTAL COST
Job Code	Job Bescription	Headcount	Per Week	Base Salary	Total Days	Base Pay (40 brs/wk)	Extended Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Differential	Banger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period
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				\$ - \$ -		\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -		Б - Б -	\$ - \$ -	\$ - \$ -	\$ - \$ -
				ļ -					V -	Ψ -			-	·		¥ -
											T	otals and C	orporate O	verheads, Fees,	, and FCCM	
													Labor	OLRC	ODC	Total Period

WATER INJECTION PLANTS -- Non-Labor (NL)

Total Quantity	Unit of Measure	Cost Element		Item Description	1		Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost

WATER INJECTION PLANTS -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	item Description	Unit Cost Procureme Origin	BRS Contract Cost	FSS Cost

WATER INJECTION PLANTS -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	ureme eigin BRS Contract Cost	FSS Cost
	Abbreviations Key / Legend		Summary Subtotals	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the	Origin: I - Imported L - Local Procureme FSS - Federal Supp	Bv Cost Element	3

nd of Perform Monthly Bired Labor Costs Monthly OLRC (Burdens) TOTAL COST Job Code Job Description Per Week Base Salary Total Days Base Pav Schedule Pav Service Area Banner Pavroll Pavroll Monthly (:40 hrs/wk) Burden (%) (40 brs/wk) Boous Bifferential Pay Labor Subtotal Bundens OLRC Subtotal OBC's Total Period Totals and Corporate Overheads, Fees, and FCCM Total Period OLRC ODC

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PUMP STATIONS -- Non-Labor (NL)

Total Unit of Quantity Measure	Cost Element		ltem I	Description	Į.	Init Cost	Procureme Origin	BRS Contract Cost	FSS Cost	
		1			1					914

PUMP STATIONS -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost
	T	T	T 1		
•	Abbreviations Key / Legend	•		nary Subtotals	
Cost Element: EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values.	Origin: I - Imported	By	Cost Element	
MAT - Material SUB - Subcontracts	H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to time the PO was awarded and identified herein as the historical unit price. T rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	L - Local Procureme USD a FSS - Federal Suppl			
	'				

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days STABILIZATION PLANTS -- Labor (L)

INPUT Job Code Job Description	Hearkount 9	Hours od of Perform ter Week Base Salary Total Bays	Base Pay (40 tirs/wk)	Extended Schedule Pay (>40 hrs/wk)	Northly Bired Foreign Service Bonus	Labor Costs Area Bifferential	Banger Pay	Labor Subtotal	Payroll Burden (%)	nthly OLRC (Payroll Burdens	Burdens) OERC Subiotal	Monthly OBC's	Total Period
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								To	tals and Co	rporate O	verheads, Fees, OLRC	and FCCM ODC	Total Period
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		Headcount Iotals											

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days STABILIZATION PLANTS -- Non-Labor (NL)

Total Guantity	Unit of Measure E	Cost lement	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost
							(b)(4)

STABILIZATION PLANTS -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSS Cost
		1				
		Abbreviations Key / Legend			mary Subtotals Cost Element	
	Cost Element: EQP - Equipment MAT - Material	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to	Origin: I - Imported L - Local Procure me USD a FSS - Federal Supp			
	SUB - Subcontracts ODC - Other Direct Costs	time the PO was awarded and identified herein as the historical unit price. The rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing B - See Proposal Narrative	ne conversion			
	SUB - Subcontracts ODC - Other Direct Costs	rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	ne conversion			

INPUT Jub Code Job Description	Headkourk Per Weel	Base Salary	od of Perform Total Bays		Extended Schedule Pay (>40 hrs/wk)	Monthly Bin Foreign Service Bonus	Area Differential	Banger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	(Burdens) OLRC Subtotal	Monthly OBC's	Total Period
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									1		Labor	OLRC	ODG	Total Period

WORKING PAPERS SECRET

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

REFINERIES -- Non-Labor (NL)

Total U Quantity Me	nit of Cost easure Element	Item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost	
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WORKING PAPERS 9EORE

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

REFINERIES	Non-L	abor (NL)

Total Quantity	Unit of Measure	Cost Element	Item Description	Procureme Unit Cost Origin	BRS Contract Cost	FSS Cost
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WORKING PAPERS SECRET

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

REFINERIES -- Non-Labor (NL)

Total Unit of Cost Quartity Measure Element	Item Descri	iption	Unit Cost Procureme Origin	BRS Contract Cost FSS Cost
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WORKING PAPERS

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

REFINERIES -- Non-Labor (NL)

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	Total U	nit of Cost	Item Description		Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost

PROJECT CONTROLS Z\Final\Annex R ROMApp7AnnR WORKING PAPERS SECRET

Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days

REFINERIES -- Non-Labor (NL)

	Total	Unit of Cost	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FSS Cost
	Quantity	Measure Flemen		<u>. I</u>	Ongii		
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E			Abbreviations Key / Legend		Sun	nmary Subtotals	
F		Cost Element: EQP - Equipment MAT - Material	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing	Origin: I - Imported L - Local Procureme	В	nmary Subtotals y Cost Element	
		EQP - Equipment	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the stime the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	I - Imported	В	nmary Subtotals y Cost Element	
		EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO.	l - Imported L - Local Procureme	В	nmary Subtotals y Cost Element	
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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRASTRUCTURE Period of Performance: 943 Days INTERMEDIATE STORAGE TERMINAL - Labor (L)

Hours

INTERMEDIATE STORAGE TERMINAL Labor (L)	
od of Perform Monthly Bired Eabor Costs Monthly OLRC (Burdens)	TOTAL COST

Jd) Code	Job Description	Heads	ount PerWeek	Base Salany	Total Days	Base Pay (40 hrs/wk)	Extended Schedule Pay (>40 hrs/wk)	Foreign Service Bonus	Area Differential	Danger Pay	Labor Subtotal	Payroll Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period
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												<i>To</i>	tais and C	orporate Ov Labor	rerheads, Fees, OLRC	and FCCM ODC	Total Period
																	6)(4)

INTERMEDIATE STORAGE TERMINAL -- Non-Labor (NL)

Total Quantity	Unit of Cost Measure Element	Item Description	UnitCost	Procureme Origin	BRS Contract Cost	FSSCost
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	Cook Flow out	Abbreviations Key / Legend	Origin:	By	mary Subtotals Cost Element	
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		B - See Proposal Narrative				

INPUT			Hours		od of Perform y Total Days			Monthly Bire	ct Labor Costs				Monthly OLRC (Burdens)		TOTAL COS
Jab Code	Job Description	Headroun	Per Week	(Base Salan	y Total Days	Base Pay (40 hrs/wk)	Extended Schedule Pay (×40 hrs/wk)	Foreign Service Bonus	Area Differential	Danger Pay	Labor Subtot	Payroll at Burden (%)	Payroll Burdens	OLRC Subtotal	Monthly OBC's	Total Period
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EXPORT TERMINAL -- Non-Labor (NL)

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Logistics Civil Augmentation Program (LOGCAP) ROM TEMPLATE (WORST CASE-3.1 MM BBL IRAQI ENERGY INFRAS TRUCTURE Period of Performance: 943 Days OPERATION & MAINTENANCE — Labor (L)

INPUT Job Code	Job Bestyption	Headcount	Hours Per Week Base Sala	od of Perform ry Total Days	BasePay (46 tirs/v/k)	Extended Schedule Pay (540 hts/Ak)	Monthly Bire Foreign Service Bonus	d Labor Cods Area Differential	Dange Pay	Labor Sublotal	Payroll Burden (%)	Payroll Burdens	Surdens) OLRC Subjotal	Morthly 1980's	TOTAL COST
									ľ	7	otals and C	orporate O	verheads, Fees,	and FCCIVI	
												Labor	OLRC	O0C	Total Period
			Headoowolk totals												

OPERATION & MAINTENANCE -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FSSCost
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	T Abbreviations Key / Legend	1	T Sum	nmary Subtotals	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	Origin: I-Imported L-Local Procureme FSS - Federal Supp	, A	nmary Subtotals v Cost Element	
EQP - Equipment MAT - Material SUB - Subcontracts	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO.	l - Imported L - Local Procureme	, A	nmary Subtotals v Cost Element	

INPUT Job Code	Job Description	Headcount	Hours Per Week	Base Salary	od of Perform Total Bays	Base Pay (40 tars/wk)	Extended Schedule Pay (>40 firs/wk)	Monthly Birec Foreign Service Bonus	t Labor Costs Area Bifferential	Banger Pay	Labor Subtota	Payroll	Monthly OLRC (Payroll Burdens	OLRC Subtotal	Monthly OBC's	TOTAL COST
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ENVIRONMENTAL -- Non-Labor (NL)

Quantity Measure Element Urigin	

PROJECT CONTROLS Z\Firal\Pnnex R ROM\Pop7AnnR

ENVIRONMENTAL -- Non-Labor (NL)

Total Unit of Cost Quantity Measure Element	Item Description	Unit Cost	Procureme Origin	BRS Contract Cost	FBS Cost
	T	1			
	Abbreviations Key / Legend			mary Subtotals Cost Element	
Cost Element: EQP - Equipment MAT - Material SUB - Subcontracts ODC - Other Direct Costs	Pricing Source: A - Actual Unit Pricing Based upon Purchase Order/Subcontract values. H - Historical Unit Pricing When the original purchase was in a foreign currency, the conversion rate to USD at the time the PO was awarded and identified herein as the historical unit price. The conversion rate is identified on the face of the PO. Q - Vendor Quotation Unit Pricing	Origin: I - Imported L - Local Procurem FSS - Federal Sup			

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	Level Code	Job Code Payroll	Department	Job Description	I Base Month	alary Data Iv Houriv Pav
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BROWN & ROOT SERVICES LOGISTICS CIVIL AUGMENTATION PROGRAM (LOGCAP) PARAMETERS TABLE