

JUN 07 '94

June 2, 1994

RIMS NO. B65 940602 102

Those listed

COST ESTIMATE REQUEST (RFP)

PCN/PIN NO: KIF009 PA Attached? Yes X No
PA NO : _____ REV No: _____ MPAC NO: _____

Account/Short Code: 000QWMT

Location and Unit: KINGSTON

Funding Source: Cap X O&M _____ Facilities _____ Resource _____

Project Description and Work Scope: (see attachment)

Referred	H	INFO	Date
RGJ		✓	7
RAB			
KWB		✓	
RCC			
VWD			
RWJ			
LAN			
LFN			
WLP			
EBR			
PHF			

Project Schedule: Phase I Phase II Phase III

Start : 4/4/94 7/21/94 FY95
Complete: 6/24/94 FY95 FY95

PRIORITY: (Hydro only)

Purpose:

Phase II approval at 7/21/94 PAB MEETING
date

Job Order Approval _____ Work Order Approval _____ Other _____ (Explain)

Action Items:

Organization	Instructions	Date Required
Engineering	Engineering scope and mhrs to TVA Est.	<u>6/2/94</u>
Partner	Estimate (PH II) to Plant Rep(1)	<u>6/17/94</u>
Plant Rep (1)	Partner estimate to TVA Estimating	<u>6/20/94</u>
TVA Estimating	Final estimate to requester	<u>6/24/94</u>
Others		

Comments: Attend project review meeting at KINGSTON, 9:00 ET 6/8/94
location time/date

DWS
Dan Scott, Project Engineer
Requester

	Name (As Applicable)	Address	Phone No.
Project Manager	<u>D. A. Howard</u>	<u>BR 3D-C</u>	<u>751-6793</u>
Project Engineer	<u>D. W. Scott</u>	<u>BR 2G-C</u>	<u>751-4446</u>
Lead Engineer	<u>K. W. Burnett</u>	<u>LP 2G-C</u>	<u>751-6607</u>
TVA Est. Manager	<u>*R. W. Clevenger</u>	<u>SP 3F-C</u>	<u>751-2636</u>
Partner Est Manager	<u>*A. G. Mock, G-UB-MK</u>	<u>SMW 1B-K</u>	<u>632-1078</u>
Plant Rep (1)	<u>J. R. Dunn</u>	<u>KIF 1A-K</u>	<u>PAX 224-1251</u>
Partner Site/Area Mgr:	_____	_____	_____
Others	_____	_____	_____
F&H Engineering	_____	_____	_____
Plant Technical Svcs	_____	_____	_____
Power Service Shops	_____	_____	_____

- cc: R. L. Adams, KIF 1A-K
J. S. Baugh, LP 5G-C
R. M. Cole, KIF 1A-K
J. M. Huber, LP 5G-C
C. H. McFall, BR 4A-C
J. K. Watts, LP 5D-C
RIMS, CST 13B-C

(1) Plant Rep = Outage Manager or Hydro Plant Supervisor
*Estimate data required

COST ESTIMATE REQUEST (RFP)

CHECKLIST ATTACHMENT

THIS REQUEST INCLUDES THE FOLLOWING:

YES	NO	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CONTRACT ADMINISTRATION (SEE ADMINISTRATION CHECKLIST)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SCOPE OF WORK DOCUMENT (SEE ATTACHMENT <u>1</u>)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SPECIFICATIONS AND DRAWINGS (SEE ATTACHMENT _____)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ESTIMATE OF CONSTRUCTION QUANTITIES (SEE ATTACHMENT <u>1</u>)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ORGANIZATIONAL RESPONSIBILITIES (SEE ATTACHMENT _____)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPECIAL OR PROJECT SPECIFIC FACILITIES AVAILABLE (SEE ATTACHMENT _____)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	LIST OF ACCOUNTS (SEE ATTACHMENT _____)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPECIAL TECHNICAL REQUIREMENTS OR SPECIAL REPORTS/DOCUMENTATION REQUIRED (SEE ATTACHMENT _____)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	LIST OF TYPES AND NUMBERS OF PERSONNEL REQUIRED (SEE ATTACHMENT _____)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	LIST OF TVA SUPPLIED ENGINEERED MATERIALS, EQUIPMENT, SERVICES (SEE ATTACHMENT _____)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ENVIRONMENTAL DECISION RECORD (EDR) ATTACHED (APPLIED FOR)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	KEY DATE SCHEDULE (SEE ATTACHMENT <u>1</u>)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	OTHER (DESCRIBE) (SEE ATTACHED _____)

PROPOSAL TO INCLUDE THE FOLLOWING:

YES	NO	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DETAILED REVIEW AND ASSESSMENT
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DETAILED ESTIMATE AND SPEND PLAN
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DETAILED PROJECT SCHEDULE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	STAFFING PLAN
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WORK PLAN (<u>SUMMARY LEVEL</u>)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SAFETY PLAN (HAZARDOUS MATERIALS, SPECIAL CONDITIONS, OTHER)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ENVIRONMENTAL MANAGEMENT PLAN (HAZARDOUS MATERIALS, SPECIAL CONDITIONS, OTHER)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LISTING OF PROPOSED SUBCONTRACTS, QUALIFICATION, AND EXPERIENCE INFORMATION
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SPECIAL LABOR RELATIONS INFORMATION
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GENERAL LISTING OF REQUIRED SMALL TOOLS, CONSUMABLE MATERIALS, HEAVY EQUIPMENT
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	QUALITY CONTROL PLAN
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LIST OF ASSUMPTIONS
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SCOPE OF WORK DOCUMENT APPROVAL
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OTHER (DESCRIBE) LISTING OF ANY COSTS ASSOCIATED WITH ANTICIPATED PLANT SUPPORT OTHER THAN PROCUREMENT IDENTIFIED IN CER/REF

ATTACHMENT 1

May 27, 1994

C.E. Bohac, BR 2B-C

KINGSTON FOSSIL PLANT
COAL YARD RUNOFF POND
PHASE II INPUT

Please refer to Memo Dan Scott to R.G. Johnson dated March 22, 1994 (B65 940322 103) concerning the above subject.

Attached is a Phase I Estimate from Fossil Engineering providing Phase II Input for the Kingston Plant Phase II Study of the Coal Yard Runoff Pond Project.

Included in this package is a Phase II scope, manhour estimate for Phase II and Phase III, and a workload based schedule.

If you have any questions call me at extension 6607.

K.W. Burnett

K.W. Burnett
Manager, Site Engineering
LP 2G-C

JLG;clm
Attachments

cc: R.G. Johnson

EARLY START	EARLY FINISH	ORIG DUR	BUDGET QUAN.	JUL	AUG	1994 SEP	OCT	NOV
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**KIF COAL YARD RUNOFF POND
Phase II**

21JUL94	0	0	0	PHASE 2 PAB APPROVAL				
1AUG94	28OCT94	63	500	PERFORM PHASE 2 MECH AUX DESIGN				
1AUG94	28OCT94	63	175	PERFORM PHASE 2 STRUCT ENGS DESIGN				
1AUG94	28OCT94	63	125	PERFORM PHASE 2 SITE DESIGN				
1AUG94	28OCT94	63	200	PERFORM PHASE 2 ELECT SUPPORT DESIGN				
28OCT94	0	0	0	POL ISSUED				
4NOV94	0	0	0	PHASE 2 COMPLETION				

Sheet 1 of 1

EFOS 1009

EFOS - FOSSIL PROJECTS [BC-75]

PRELIMINARY SCHEDULE
Engineering Services Fossil Projects
BC-75 Current Schedule - Prel

Activity: Activity Critical Activity Milestone/Flag Activity

Plot Date: 2JUN94
Data Date: 16MAY94
Project Start: 22JAN95
Project Finish: 20JAN95

(c) Primavera Systems, Inc.

Date	Checked	Approved

**KINGSTON FOSSIL PLANT
COAL YARD RUNOFF POND**

GENERAL SCOPE FOR PHASE II

During periods of heavy rainfall, the existing Coal Yard Runoff Pond is inadequate in containing the flood waters. The two existing pumps are not reliable and do not operate properly. They will be replaced with two 1500 gpm 40 hp pumps which have two separate discharge lines. They will be powered from the 480V Feeder Board in Hopper Building 2, as the existing sump pumps are. A concrete enclosure and base slab will be utilized for the polyethylene tank for the coal yard drainage sump. The existing pumphouse and access platform will be replaced. Low areas around the pond will be raised to avoid overflow and flooding.

ENGINEERING COST INPUT SHEET

PROJECT: KINGSTON FOSSIL PLANT
 FEATURE: COAL YARD RUNOFF POND

PHASE: II
 PCN: KIF009

CER: N/A

PREPARED BY: C. L. Mount

FISCAL YR: 94

MAN-HOURS

FOSSIL ENGINEERING SERVICES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
CDK Elect Sys Engineering											74	73	
I & C Engineering													
dh Mech Aux Engineering											150	200	
Mech Sys Engineering													
gph Site Engr Services											40	50	
REP Structural Engineering											50	75	
TOTAL													

HYDRO ENGINEERING SERVICES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Small Proj/ Inspections													
Civil Engineering													
Electrical Engineering													
Mechanical Engineering													

CLEAN AIR PROGRAM

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
CUF FGD Project													

OTHER

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Proj Engg Services													
Estg/Proj Control													
Total MANHOURS													

SITE VISITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
										4	1	4	9

OTHER DOLLARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total

ENGINEERING COST INPUT SHEET

PROJECT: KINGSTON FOSSIL PLANT
 FEATURE: COAL YARD RUNOFF POND

PHASE: II
 PCN: KIF009

CER: N/A

PREPARED BY: C. L. Mount

FISCAL YR: 95

MAN-HOURS continued (page 2)

FOSSIL ENGINEERING SERVICES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Elect Sys Engineering	53												200
I & C Engineering													
Mech Aux Engineering	150												500
Mech Sys Engineering													
Site Engr Services	35												125
Structural Engineering	50												175
TOTAL													1000

HYDRO ENGINEERING SERVICES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Small Proj/ Inspections													
Civil Engineering													
Electrical Engineering													
Mechanical Engineering													

CLEAN AIR PROGRAM

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
CUF FGD Project													

OTHER

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Proj Engg Services													
Estg/Proj Control													
Total MANHOURS													

SITE VISITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
										4	1	4	9

OTHER DOLLARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total

ENGINEERING COST INPUT SHEET

PROJECT: KINGSTON FOSSIL PLANT
 FEATURE: COAL YARD RUNOFF POND

PHASE: III
 PCN: KIF009

CER: N/A

PREPARED BY: C. L. Mount

FISCAL YR: 95

MAN-HOURS

FOSSIL ENGINEERING SERVICES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Elect Sys Engineering I & C													60*
Mech Aux Engineering													40*
Mech Sys Engineering													40*
Site Engr Services													20*
Structural Engineering													160

* Schedule to be determined.

HYDRO ENGINEERING SERVICES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Small Proj/ Inspections													
Civil Engineering													
Electrical Engineering													
Mechanical Engineering													

CLEAN AIR PROGRAM

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
CUF FGD Project													

OTHER

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Proj Engg Services													
Estg/Proj Control													
Total MANHOURS													

SITE VISITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total

OTHER DOLLARS

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total