



July 17, 1975

P.P.G. Industries
P. O. Box 1000
Lake Charles, Louisiana 70601

Attention: Mr. D. C. Rhodes
Purchasing Agent

Re: P.P.G. Industries
P.O. 520014
C-E PSS #12080/53374
Oil Conversion
Riverside Units 2 & 3

Gentlemen:

In accordance with your request, we have prepared the following budget prices for material and labor pertaining to the various alternates for modification of Riverside Units #2 and 3 stacks.

The modifications offered are as follows:

A. Unit No. 2

The existing stack foundation, base plate, ring, anchor bolts, and stack structure itself require no modification for the addition of the following:

1. Add a 2" thick wire reinforced gunite lining to the interior of the complete stack.

Budget Price \$86,365.00

2. Add a 3" thick layer of insulation with lagging to the exterior of the stack. Lagging is .032 ribbed aluminum.

Budget Price \$203,550.00

B. Unit 3

The existing 100 ft. stack requires no modification to the foundation, base plate, or anchor bolts for addition of the following:

1. Add 2" thick wire reinforced gunite lining to the existing 100 ft. stack.

Budget Price \$55,015.00

2. Add a 3" thick layer of insulation with lagging to the exterior of the existing 100 ft. stack. Lagging is .032 ribbed aluminum.

Budget Price \$127,420.00

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3. To increase the height of the existing stack, an additional 50 ft. (Fig. #1, 2 & 3) would require the following:
 - a. Install an additional 50 ft. stack section 10' 6" I.D. with 5/16" shell thickness.
 - b. Modify belled section to include:
 1. New 50 ft. belled section with inside diameters from 10' 6" to 16' 6", 1/2" shell thickness.
 2. New 2" thick base ring.
 3. 20 additional 2" dia anchor bolts installed to existing stack foundation. Existing 1 3/8" diameter anchor bolts to be left in place and reused.
 4. Forty (40) new anchor bolt supports.
 - c. Existing foundation is to be enlarged (see attached sketch). The following materials are required to construct the new additional foundation:
 1. Six (6) 50 ton piles
 2. 90 cubic yards of 3000 PSI strength concrete
 3. Approximately 8 tons of reinforcing bars

Budget Price \$343,142.00

4. Make the same modifications to the stack as in Item 3, above, plus add 2" thick wire reinforced gunite lining.

Budget Price \$412,142.00

5. Make the same modifications to the stack as in Item 3, above, plus add a 3" thick layer of insulation with lagging to the exterior of the stack. Lagging is .032 ribbed aluminum.

Budget Price \$546,692.00

6. Add a 50 ft. extension to the existing 100 ft. stack, add two levels of three (3) guy wires each and add a 3" thick layer of insulation with lagging to the exterior of the 150' stack (Fig. 4 & 5). Lagging is .032 ribbed aluminum.

Budget Price \$321,217.00

THIS MUST BE
WRONG, C-E
QUOTED #21739
FOR A 50' EXTENSION
COR-TEK, GUYED
STACK

carbon
steel

- 203,550 INSULATION
#117,667 STACK
- WHAT MATERIAL?

BB 0012208

INSULATION
#203,550

Mr. D. C. Rhodes

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7. Make the same modifications as in Item 6, above, except add a 2" thick wire reinforced gumite lining to the 150' stack.

Budget Price \$210,357.00

Since the prices quoted are budget prices for material and labor, we will upon your instruction prepare formal pricing and proposals for those alternates which you may elect. Until such time as your instructions are received, no further action will take place on this extra.

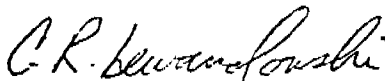
Attached for your information are sketches - figures 1 - 5 - which depict the modifications which would be made to Unit #3 stack.

The terms and conditions associated with this quote are in accordance with those contained in our proposal 9/75, dated 1/10/75.

A schedule for any order resulting from this quote would be developed and issued to you upon receipt of a purchase order from P.P.G.

Very truly yours,

COMBUSTION ENGINEERING, INC.



C. R. Lewandowski
Project Manager
C-E Power Systems Services

CRL:c

cc: F. Landry - P.P.G.
W. Stagg - P.P.G.✓
D. H. Sherrod - Combustion Engineering, Inc.
G. Dobinson - Combustion Engineering, Inc.

BB 0012209