PLAINTIFF'S
EXHIBIT
USX-108

ORDER No. 535-96086 1

SPEC. No. 535-4102-62

INSULATION FOR PIPING AND EQUIPMENT

ARMSTRONG CONTRACTING AND SUPPLY CO.

PLAINTIFF'S
EXHIBIT
C

Armstrong
CONTRACTING AND SUPPLY CORPORATION

AREA CODE 412
TELEPHONE: 321-4600

1420 WESTERN AVENUE
PITTSBURGH, PENNSYLVANIA 15233

November 2, 1966

U. S. Steel Corporation
Purchasing Department
P. O. Box 26
Pittsburgh, Pa. 15230

Gentlemen: Attention: Mr. John Roughen

Subject: Your Inquiry 535-4102-62-131
Anhydrous Ammonia Plant
Clairton Site
U. S. Steel Corporation
Our Proposal Pi-866-31

This will confirm our telephoned quote of November 2, 1966. The following are the breakdowns which you requested.

Styrofoam Alternate used as Base Bid.

	With Type 316 Stainless	Deducting all Stainless
INS 1	$361,736.00	$319,978.00
INS 2	272,089.00	272,089.00
INS 3	545,528.00	464,188.00
Total	$1,179,353.00	$1,056,255.00

All terms and conditions of previous quotations apply to this quotation.

Very truly yours

ARMSTRONG CONTRACTING & SUPPLY CORP.

jh

D. M. Coffin

USEI000313

4105-62-131

Armstrong
CONTRACTING AND SUPPLY CORPORATION

Recvd
FORWARDED FROM
AUG 26 1966
PURCHASING DIVISION

FORWARDED FROM
AUG 29 1966
PURCHASING DIVISION

TELEPHONE: 321-4600 AREA CODE 412

1426 WESTERN AVENUE
PITTSBURGH, PENNSYLVANIA 15233

August 23, 1966

U. S. Steel Corporation
Purchasing Department
P. O. Box 26
Pittsburgh, Pa. 15230

Gentlemen:

Subject: Your Inquiry #535-4102-62-131
Anhydrous Ammonia Plant
Clairton Site
U. S. Steel Corporation

We are pleased to submit our proposal for the subject inquiry. Your proposal forms are enclosed with this letter.

In order to clarify certain areas of our bid, and in order to advise you of certain omissions to our bid we include the following notes:

1. Our bid is based on specification #535-4102-62 dated May 13, 1966 including drawings listed therein, Site Visitation and Pre-bid Minutes of Meetings June 21, 1966 and July 12, 1966 and finally Additions and Changes letters dated July 29, 1966, August 2, 1966 and August 11, 1966.

2. We do not include the labor or materials for the installation of the slag wool mats.

3. It is our interpretation that "freezing protection" implies that the line in question will be insulated over a tracer with the applicable Type insulation.

4. It is our assumption that the "Firetard" or equal alternate is not applicable to vessels.

5. We did not include Type 316 stainless steel bands with our Type 316 stainless steel alternate. We utilized Type 304.

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JAN 5 1967
ENGINEERING DEPT.
CLAIRTON WKS.

6. We do not include any insulation on lines or drawings marked "Future".

7. In accordance with your instructions we have utilized U. S. Steel quantities listed on Insulation Data Sheets 46 through 52 since those lines were not laid out.

8. We do not include H_2SO_4 lines as indicated on drawing W-24611, any of the work on control stations listed on Page 59, any drip legs unless specified specifically, any personnel protection as listed on Drawing W24607 and line L504G (1" pipe portion), since it is field run.

9. We do not include any insulation support rings.

10. It is our assumption that the only portion of our proposal that could be deleted would be the Perlite portion.

11. Since we did not have enough room to list the add-ons and deletions to a base Styrofoam bid on your proposal form, we list them below:

ADD to Styrofoam Base for Type 316	$26,569.00
DEDUCT from Styrofoam Base for Firetard in lieu of Type 304	70,608.00

We would also like to point out that the Perlite portion of our bid is based on the assumption that the work can be scheduled in a three phase operation or a continuous operation based on a forty (40) hour work week.

It is our request that we be reimbursed for any unreasonable amount of time loss due to delays caused by the owner or other subcontractors affecting the performance of our work.

Inasmuch as your inquiry has requested that our proposal be based on a normal forty (40) hour week, we have complied with this request in order to allow you an opportunity to evaluate the bids on an even basis. However, we wish to point out most emphatically that because of the critical shortage of qualified men and the unattractiveness of the travel scale for the Clairton area it will be impossible to man the job adequately on a 40 hour basis in order to finish within a reasonable amount of time. Therefore, we request that you advise us of your intent to either pay overtime wages on the project or advise us that there will be no overtime work. In either situation, we reserve the right to adjust our enclosed quotations to reflect either situation before our proposal is considered firm. Should overtime work be considered, we list the following as a suggested basis for overtime work.

This proposal contemplates that all work should be performed during normal working hours not to exceed 40 hours per week. Should it become necessary to work hours in excess of this time, it is understood that such work will be done only

RECEIVED JAN 3 1967

on your written authorization and that we will be reimbursed for all overtime expense. It is understood and agreed that we shall also be reimbursed for loss of efficiency when we are required to work excessive overtime at your request. This reimbursement shall be the straight time hourly cost (wage rate and fringes) times the total number of hours worked times efficiency loss in accordance with the following schedule:

Efficiency Loss

Days/Hours	0 to 13 Days	14 to 20 Days	21 to 27 Days	28 Days & Over
5 days 9 hrs.	0%	0%	0%	0%
5 " 10 "	0	0	0	5
5 " 12 "	3	6	12	14
6 " 9 "	5	7	10	15
6 " 10 "	7	12	16	23
6 " 12 "	12	19	25	35
7 " 8 "	9	15	20	27
7 " 9 "	11	18	25	33
7 " 10 "	14	22	30	40
7 " 12 "	20	30	40	55

It is our intent on this project as well as all of our past and future contracts to provide the customer with an installation that both the customer and Armstrong can take pride in. Therefore, we feel we will be most meticulous in our endeavor to keep the workmanship on a high level. However, inasmuch as our customer or his representative may be the ultimate authority on acceptance of our work, we would like to be informed as to who we will be responsible to in the field. We reserve the right to adjust our enclosed quotations upon receipt of this information before our price is considered firm.

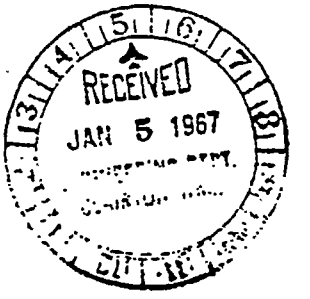
We appreciate the opportunity of quoting on this work and sincerely hope that you will favor us with the order.

Very truly yours

ARMSTRONG CONTRACTING & SUPPLI CORP.

jh
Encl.

D. M. Coffin



UNITED STATES STEEL CORPORATION
DESIGN ENGINEERING - PITTSBURGH
225 GULF BUILDING
PITTSBURGH, PENNSYLVANIA 15230

RECORDED
AUG 24 1966

PRICED

QUESTIONNAIRE

SPECIFICATION NO. 535-4102-62

MAY 13, 1966

INSULATION FOR PIPING AND EQUIPMENT
KEYSTONE PROJECT

The data called for below are to be furnished by the Bidder and, in case the Bidder becomes the Contractor, the data shall form part of the contract covering the work.

1. Name or trade name of Bidder. State whether quotation is made by a corporation, partnership or individual. If one of the latter two cases, the name(s) of all persons involved shall be stated.

   Armstrong Contracting & Supply Corp. — Corporation
   1420 Western Avenue
   Pittsburgh, Pa. 15233 — State of Delaware

2. Date of proposal — 8/23/66

3. Proposal number — Pi-866-31

4A. Does Bidder fully understand that any general terms or conditions of sale contained in his proposal will not become a part of any resulting contract? Yes X No ___

4B. Is it the Bidder's intention, if awarded the contract, to comply fully and in all respects with the Purchaser's Specifications covering the work and Purchaser's standard contractual document, as indicated in inquiry letter? Yes X No ___

4C. Does Bidder fully understand that, if awarded the contract, he will be required to use material manufactured by Purchaser or its subsidiary companies in all instances in which materials of the kind, type, size and grade manufactured by Purchaser or its subsidiary companies are required for the performance of this contract including construction work and the manufacture and installation of equipment and facilities? Yes X No ___

4D. If "No" is answered to any of the above questions, the Bidder shall state the exceptions in detail.

5. Time within which Bidder agrees to furnish all of the work in accordance with these Specifications, i.e., elapsed time in calendar days from date of accepting a purchase order or date of notice to proceed. ___ days

USEI000317

1 Unpriced Copy J. Gearhart 8-25-66

6. Terms of payment 85% monthly

7. Are quoted prices firm? Yes_____ No_____

SEE ATTACHED LETTER, WHICH IS PART OF OUR PROPOSAL

USEI000318

NOTE: In case the answers to the above questions are submitted as a document separate from the Bidder's formal proposal, Bidder shall sign each copy in the following form:

Date 8/23/66

Bidder Armstrong Contracting & Supply Corp.

By D. R. Cook

Title Branch Manager

UNITED STATES STEEL CORPORATION
DESIGN ENGINEERING - PITTSBURGH
225 GULF BUILDING
PITTSBURGH, PENNSYLVANIA 15230

PROPOSAL FORM

NOTIFICATION NO. 535-4102-62 MAY 13, 1966

INSULATION FOR PIPING AND EQUIPMENT
KEYSTONE PROJECT

Having carefully examined the Specification and being familiar with the various conditions affecting the work, the Undersigned offers to perform the work specified in the above-numbered Specification for the prices quoted below:

1. Total lump-sum price for furnishing and installing all insulation for the Keystone Project, complete as specified $ 1,247,822.

   1.1 Price addition to Item 1 for furnishing and installing Type 316 stainless steel jacketing (.010" thickness) in lieu of Type 304 stainless steel jacketing as specified $ 22,601. Add

   1.2 Price deduction from Item 1 for furnishing and installing Johns-Manville "Firetard" jacketing or approved equal in lieu of Type 304 stainless steel jacketing as specified $ 64,349. Deduct

   1.3 Price change to Item 1 for furnishing and installing STYROFOAM insulation in lieu of FOAMGLAS as specified in INS-1 using an equivalent thermal conductivity and an installation procedure as specified by Dow Chemical Company, or approved equal $ 95,039. ~~Add~~ Deduct

2. Total lump-sum price for furnishing and installing the formed insulation portion of the Keystone Project as described by INS-1 and INS-3 and the accompanying attachments $ 990,421.

   2.1 Price addition to Item 2 for furnishing and installing Type 316 stainless steel jacketing (.010" thickness in lieu of Type 304 stainless steel jacketing as specified $ 22,601. Add

   2.2 Price deduction from Item 2 for furnishing and installing Johns-Manville "Firetard" jacketing or approved equal in lieu of Type 304 stainless steel jacketing as specified $ 64,349. Deduct

USEI000319

(Continued)

2.3 Price change to Item 2 for furnishing and installing STYROFOAM insulation in lieu of FOAMGLAS as specified in INS-1 using an equivalent thermal conductivity and an installation procedure as specified by Dow Chemical Company, or approved equal — ~~Add~~ $ 95,039. Deduct

3. Total lump-sum price for furnishing and installing the bulk Perlite portion of the Keystone Project as described by INS-2 and the accompanying attachments — $ 87,659.

4. Total lump-sum price for furnishing and installing the bulk slag wool portion of the Keystone Project as described by INS-2 and the accompanying attachments — $ 169,742.

5. Additional Work beyond the Scope of the Specification:

Work by Contractor, which Owner may require, which is of indeterminable nature and is in addition to that covered by the Specification, shall be performed by Contractor on an hourly-rate basis but such added work shall be only when specifically authorized by Owner's Purchasing Agent in writing.

A. OUR COST PLUS 15% OVERHEAD % mark-up shall be added to the prevailing basic straight-time, hourly rates established by Union agreements of the crafts required. This percentage shall be all-inclusive and cover insurances, taxes, travel and vacation allowances, all other fringe benefits, small tools having a value of $300.00 or less, expendable materials, overhead, profit, etc.

B. If it should become necessary or desirable to perform such additional work during premium-time hours (in excess of 8 hours per day or in excess of 40 hours per week) and such premium-time work is authorized as above, the rate per hour shall be that as established in "A" above plus the applicable premium-time differentials as established by Union agreements of the crafts required plus applicable insurance and taxes but excluding any overhead expense or profit or any other charges whatsoever.

C. All equipment required by the Engineer for such above added work shall be paid at applicable unit rental rates as listed in the latest edition of "Equipment Rental Rates" published by the Associated Equipment Distributors, less 10 %. Fuel, oil and any required maintenance shall be included in this rate.

These rates shall be applicable only to work which is outside of and in addition to the original scope of work for this project.

Under no condition will these rates be used for changes and/or modifications, if any are required, to the scope of work herein defined.

e _____

Firm Name Armstrong Contracting & Supply Corp.

Signed by D. H. Coffin

Title Branch Manager

USEI000320

Area Code 412 Telephone No. 321-4600

Armstrong
CONTRACTING AND SUPPLY CORPORATION

TELEPHONE: 321-4000 AREA CODE 412

1420 WESTERN AVENUE
PITTSBURGH, PENNSYLVANIA 15233

SEP 14 1966

September 12, 1966

U. S. Steel Corporation
Purchasing Department
P. O. Box 26
Pittsburgh, Pa. 15230

Gentlemen:

Subject: Your Inquiry #535-4102-62-131
Anhydrous Ammonia Plant
Clairton Site
U. S. Steel Corporation

The following items are to be considered as part of our proposal dated August 23, 1966. All terms and conditions of that proposal and its attachments are also considered applicable to this letter. These items will either clarify questions raised by our bid of August 23rd or expand upon some questionable areas not covered in our proposal.

1. We note that we attended a bidders meeting on July 26 and subsequently received the minutes of that meeting.

2. It is our assumption that the "Firetard" or equal alternate is not applicable to vessels over 6' in diameter.

3. We will include insulation supports on vertical lines where necessary under the hot portion of the piping insulation.

4. We do include the installation only of slagwool mats as specified.

5. It is our estimate that the insulation work will take approximately 11 months to complete from the date of acceptance of an order. This is based on a 40 hour work week.

6. We quoted 85% monthly terms previously inasmuch as this was required under page 2 of the attachment to the inquiry entitled "Conditions".

7. The answer to item #7, page 2 of your "Questionnaire, Specification #535-4102-62 dated May 13, 1966 is, "No, pending amplification of overtime and inspection questions raised in our proposal."

8. We would also like to note that our proposal includes specifications as detailed on IES-1, page 1 through 7 as prepared by Dow Chemical Company and Addendum dated 9/8/66, "Inclusion of Vapor Barrier" to that aforementioned specification.

9. We would like to expand upon our second paragraph on page 2 of our proposal regarding time lost due to delays with the following:

> " We shall be entitled to be reimbursed for any amount of time in the excess of thirty minutes for any and all individual delays caused by the U. S. Steel Corporation or its contractors or subcontractors delaying the performance of our work. Rate of reimbursement will be [redacted] per hour for truck time loss due to delay of delivery trucks that might be caused at the plant area by delays at railroad crossings due to switching or other train operations, or any other construction work or any other obstacle or interference that might delay the delivery trucks carrying Perlite from gaining immediate access to within ten feet of the base of the tank in the area prepared for unloading. We shall also be reimbursed at the rate of $[redacted] per hour for any time loss for our employees at the tank site due to any of the above reasons."
>
> We revise our original proposal to state the Perlite portion of our bid is based on the assumption that the work can be scheduled in no more than a four phase operation based on a forty hour work week. The four phased are as follows:
>
> Item 1 - Twenty four reganeration jackets.
> Item 2 - Six Hydrogen plant boxes
> Item 3 - Three air separtion plant boxes and five vessel jackets
> Item 4 - Two nitrogen storage spheres
>
> It is not necessary that these phases be in the above sequence.

Material will be installed under normal atmospheric conditions, i.e., we shall not be responsible for any nitrogen gas purging or any other type of purging before, during, or after the vessels are filled with Perlite and we will not install Perlite at the same time that any type of purging is taking place. We shall not be responsible for any condensation that might have occurred before or after vessels are insulated.

10. We wish to revise our statement made under item 7 of our proposal. We now include all necessary insulation listed on Insulation Data Sheets 46 through 52.

If we can be of any further assistance please contact us at your convenience.

Very truly yours,

Donald [illegible]. Coffin, Br. Mgr.
Armstrong Contracting and Supply Corporation

14-1

Armstrong
CONTRACTING AND SUPPLY CORPORATION

AREA CODE 412
TELEPHONE. 321-4600

1420 WESTERN AVENUE
PITTSBURGH, PENNSYLVANIA 15233

December 10, 1966

U. S. Steel Corporation
Purchasing Department
P. O. Box 26
Pittsburgh, Pa. 15230

Gentlemen: Attention: Mr. John Roughen

Subject: Your Inquiry #535-4102-62-131
Anhydrous Ammonia Plant
Clairton Site
U. S. Steel Corporation

This will confirm our conversation of December 9, 1966, at which time we advised you that our revised quotations for INS 1 and INS 2 on the Styrofoam alternate with Type 316 Stainless Steel jacket would be as follows:

INS 1		$340,000.00
INS 2		256,000.00
	Total	$596,000.00

The scope of the work on INS 1 and INS 2 and terms and conditions of all previous letters and proposals are applicable to this confirmation.

The following will clarify "Additional Work Beyond the Scope of the Specification":

Work by Contractor, which Owner may require, which is of indeterminable nature and is in addition to that covered by the Specification, shall be performed by Contractor on an hourly-rate basis but such added work shall be only when specifically authorized by Owner's Purchasing Agent in writing.

A. 61% mark-up shall be added to the prevailing basic straight-time, hourly rates established by Union agreements of the crafts required. This percentage shall be all-inclusive and cover insurances, taxes, travel and vacation allowances, all other fringe benefits, small tools having a value of $30.00 or less, expendable materials, overhead, profit, etc.

B. It is should become necessary or desirable to perform such additional work during premium-time hours (in excess of 8 hours per day or in excess of 40 hours per week) and such premium-time work is authorized as above, the rate per hour shall be that as established in "A" above plus the applicable premium-time differentials as established by Union agreements of the crafts required plus applicable insurance and taxes but excluding any overhead expense or profit or any other charges whatsoever.

1. This proposal contemplates that all work should be performed during normal working hours not to exceed 40 hours per week. Should it become necessary to work hours in excess of this time, it is understood that such work will be done only on your written authorization and that we will be reimbursed for loss of efficiency when we are required to work excessive overtime at your request. The reimbursement for overtime will be as listed above times the total number of hours worked times efficiency loss in accordance with the following schedule:

Efficiency Loss

Days/Hours	0 to 13 Days	14 to 20 Days	21 to 27 Days	28 Days & Over
5 days 9 hrs.	0%	0%	0%	0%
5 " 10 "	0	0	0	5
5 " 12 "	3	6	12	14
6 " 9 "	5	7	10	15
6 " 10 "	7	12	16	23
6 " 12 "	12	19	25	35
7 " 8 "	9	15	20	27
7 " 9 "	11	18	25	33
7 " 10 "	14	22	30	40
7 " 12 "	20	30	40	55

Our bid is based on specification #535-4102-62 dated May 13, 1966 including drawings listed therein, Site Visitation and Pre-bid Minutes of Meetings June 21, 1966, July 12, 1966 and finally Additions and Changes letters dated July 29, 1966, August 2, 1966 and August 11, 1966. We also include specification as detailed on INS-1, Pages 1 through 7 as prepared by Dow Chemical Company and Addendum dated 9/8/66, "Inclusion of Vapor Barrier" to that aforementioned specification. We also include insulation of vessels D726 and D727.

We do not include any insulation on lines or drawings marked "Future".

It is our understanding that plates will be left off areas to be insulated with mineral wool until such time as the wool is applied. Others will then weld or bolt the plates in place.

We shall be entitled to be reimbursed for any amount of time in the excess of thirty minutes for any and all individual delays caused by the U. S. Steel Corporation or its contractors or subcontractors delaying the performance of our work. Rate of re-

imbursement will be $11.00 per hour for truck time loss due to delay of delivery trucks that might be caused at the plant area by delays at railroad crossings due to switching or other train operations, or any other construction work or any other obstacle or interference that might delay the delivery trucks carrying Perlite from gaining immediate access to within ten feet of the base of the tank in the area prepared for unloading. We shall also be reimbursed at the rate of $16.50 per hour for any time loss for our employees at the tank site due to any of the above reasons.

We revise our original proposal to state the Perlite portion of our bid is based on the assumption that the work can be scheduled in no more than a four phase operation based on a forty hour work week. The four phases are as follows:

Item 1 - Twenty four regeneration jackets.
Item 2 - Syx Hydrogen plant boxes
Item 3 - Three air separation plant boxes and five vessel jackets
Item 4 - Two nitrogen storage spheres

It is not necessary that these phases be in the above sequence.

Material will be installed under normal atmospheric conditions, i.e., we shall not be responsible for any nitrogen gas purging or any other type of purging before, during, or after the vessels are filled with Perlite and we will not install Perlite at the same time that any type of purging is taking place. We shall not be responsible for any condensation that might have occurred before or after vessels are insulated.

Very truly yours

ARMSTRONG CONTRACTING & SUPPLY CORP.

jh

D. M. Coffin
Branch Manager



UNITED STATES STEEL CORPORATION

REPORT OF PLACEMENT — December 12, 1966

District and Works	Apprn. No. and Date	Appropriation Title
Heavy Products Operations Clairton Works Pittsburgh Design Engineering	1-8181-C2 10/13/65	Facilities for Processing Coke-Oven Gas - Keystone Project

Amount Approved for Purchase	Inquiry Number	Recommendation Number
$1,000,000	535-4182-62-131	535-4182-62

Purchase Order Number	Date Placed	Terms and f.o.b.
1) 535-96086-131 2) 535-96086-A-131	December 9, 1966	85-10-51 Site

Successful Bidder	Description (including mfr's. name)	Amount	Delivery Promise
1) Armstrong Contracting & Supply Co.	Furnish and Install Insulation for Piping and Equipment	$596,800	8 Months
2) Johns Manville Sales Corp.		$399,886*	

Remarks
*Lump sum prices, subject to Esc.Cl. #1 - Labor only.

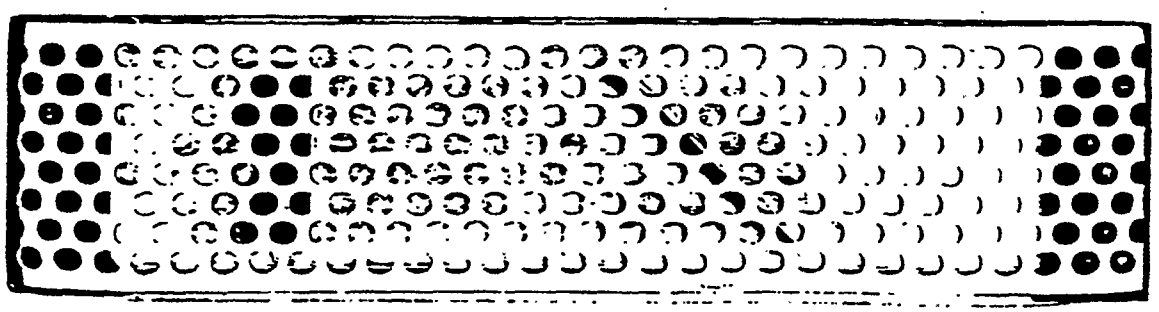
1) - Ins. I and II
2) - Ins. III

RECEIVED
DEC 14 1966
ENGINEERING DEPT.
CLAIRTON WKS.

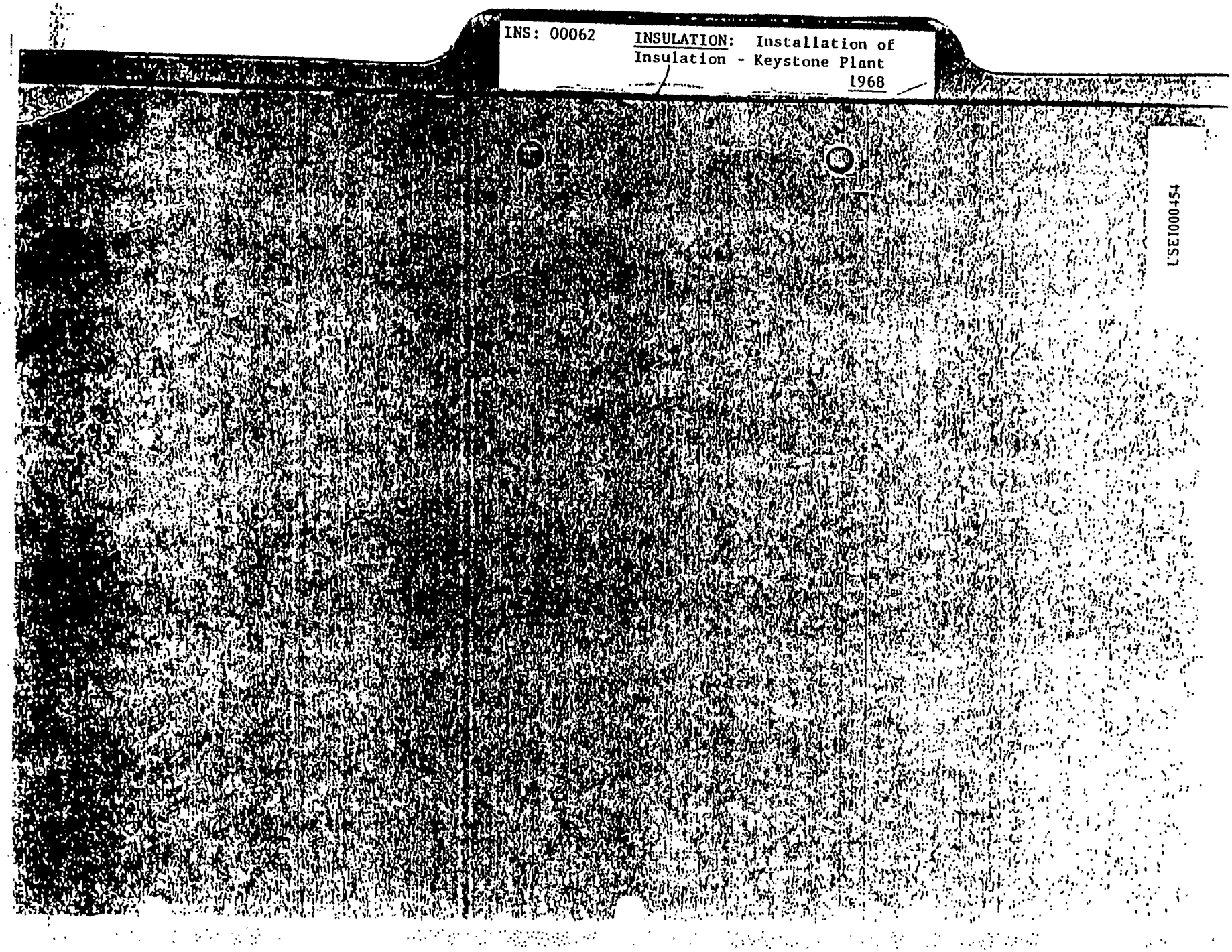
R. D. Brawley
General Manager-Purchasing

Copy for: W. W. Crawford
A. V. Wiebel
E. L. Tindall
S. P. Curtis
F. H. Barnes
F. G. Heydorn
E. W. Backes
C. W. Fallon
Works Chief Engineer - W. J. Shuck
Works Manager - Accounting - R. W. Taylor
Engineering - Manager Design - J. E. Duffy
File - J. W. Prybyl
J. P. Roughan
A. J. Graf - (Approx. 95,000# stainless steel required.)
J. P. O'Connor

JSS—41 REV. 866



USEI000327


INS: 00062
INSULATION: Installation of Insulation - Keystone Plant 1968
USE1000454

Change Order

United States Steel Corporation

Purchasing Division

Ins. 0006

ARMSTRONG CONTRACTING AND SUPPLY CORP
485 CAMPBELL RUN ROAD
PITTSBURGH, PA 15205

DATE 1-8-69

CHANGE ORDER NO. 5

TO ORDER NO. 135-00062-28

DATED 6-17-68

OUR ORDER NUMBER MUST BE SHOWN ON INVOICE SHIPPING NOTICES, BILLS OF LADING, PACKAGES AN CORRESPONDENCE.

THE TERMS AND CONDITIONS OF THE ORIGINAL ORDER AND/OR CONTRACT AND PREVIOUS CHANGE ORDERS THERETO, IF ANY, SHALL REMAIN IN FULL FORCE AI EFFECT EXCEPT AS SPECIFICALLY NOTED BELOW. SUPPLEMENTING THE ABOVE PURCHASE ORDER OR CONTRACT, YOU ARE AUTHORIZED AND DIRECTED UNDER T TERMS THEREOF TO MODIFY THE SCOPE OF WORK UNDER THIS ORDER AND/OR CONTRACT COST AS FOLLOWS:

CHANGE ORDER NO. 5

NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE $240,000.00

ITEM

PLEASE INCREASE THE AMOUNT PRIVIDED FOR THIS ORDER FROM $240,000.00 TO $300,000.00.

RECEIVED
JAN 14 1969
ENGINEERING DEPT.
CLAIRTON WKS.

AMOUNT OF INCREASE FOR THIS CHANGE ORDER $ 60,000.00

NET AMOUNT TO DATE $300,000.00

COPIES TO:
CLAIRTON WORKS/W J SHUCK
S P CURTIS, ATTN D B BLANK
FILE

ADDRESS ALL CORRESPONDENCE IN DUPLICATE

TO R. R. LOHBERTZ/E BUYER

UNITED STATES STEEL CORPORATION—PURCHASING DIVISION
P. O. BOX 26
PITTSBURGH, PA. 15230

APPRN. NO.	PER SUPPLEMENTAL RECOMMENDATION #	PURPOSE OF CHANGE (AS SHOWN ON FORM 2 USC 14

USEI000455

Purchase Order

United States Steel Corporation
Purchasing Division

ARMSTRONG CONTRACTING AND SUPPLY CORP.
4485 CAMPBELL RUN ROAD
PITTSBURGH, PA. 15205

Order Date: 1/2/69

Order No.: 135-00062-28

CHARGE & MAIL INVOICE IN TRIPLICATE ON DATE OF SHIPMENT TO
UNITED STATES STEEL CORPORATION
MANAGER—ACCOUNTING, ATTN. ACCTS. PAYABLE
AT SHIP TO LOCATION Unless Otherwise Stated

DELIVERY (IF DATE CANNOT BE MET, ADVISE AT ONCE)

F.O.B.

PLEASE FURNISH US IN ACCORDANCE WITH ALL CONDITIONS SPECIFIED IN THIS PURCHASE ORDER INCLUDING THE REVERSE SIDE HEREOF AND ALL ATTACHMENTS HERETO, THE FOLLOWING:

TERMS

INVOICE IN UNITS ORDERED AND AS DESCRIBED BELOW

COMMODITY CODE AND DESCRIPTION	ITEM	QUANTITY	PRICE
CHANGE ORDER NO. 4 TO ORDER 135-00062-16 DATED 6/17/68 PLEASE INCREASE THE AMOUNT PROVIDED FOR THIS ORDER FROM $200,000.00 TO $240,000.00			

RECEIVED
JAN 28 1969
ENGINEERING DEPT.
CLAIRTON WKS.

See reverse side for conditions and tax instructions on exempt purchases. Do not charge state tax unless indicated.

WORKS ACCOUNTING DISTRIBUTION

COST CENTER	COST CODE	SUB-CODE	INVENTORY OR APPROPRIATION CODE	QUANTITY	STANDARD AMOUNT	ACTUAL AMOUNT
						—

RECEIVING INFO.
DATE REC'D
FOB
VIA
CAR NO.
COLLECT ☐ PREPAID ☐
OVERSHIPMENT APPROVAL SIGNATURE
RECEIVER'S SIGNATURE
FRT. PAID AMT.
FRT. REF.

CC V.	W C & E INV. SUB.	EQUIPMENT CODE	APPROPRIATION CODE	PER-CENT	AMOUNT PROVIDED FOR ABOVE	ITEM No	MFR'S CODE	STD. UNIT	PURCH CODE
					$40,000.00				

DELIVER TO: CHEM. MAINT. CL-4004 CC. L. C. HARD

USEI000456

82.000.0457
urchase Order

United States Steel Corporation
Purchasing Division

Order Date	Order No.
11-20-68	135-00062-28 C/O

ARMSTRONG CONTRACTING AND SUPPLY CORP
465 CAMPBELL RUN RD
PITTSBURGH, PA 15205

CHARGE & MAIL INVOICE IN TRIPLICATE ON DATE OF SHIPMENT TO
UNITED STATES STEEL CORPORATION
MANAGER—ACCOUNTING, ATTN. ACCTS. PAYABLE
AT SHIP TO LOCATION Unless Otherwise Stated

LIVERY (IF DATE CANNOT BE MET, ADVISE AT ONCE)

F.O.B.

PLEASE FURNISH US IN ACCORDANCE WITH ALL CONDITIONS SPECIFIED IN THIS PURCHASE ORDER INCLUDING THE REVERSE SIDE HEREOF AND ALL ATTACHMENTS HERETO, THE FOLLOWING:

TERMS

INVOICE IN UNITS ORDERED AND AS DESCRIBED BELOW

COMMODITY CODE AND DESCRIPTION	ITEM	QUANTITY	PRICE
"CHANGE ORDER NO. 3 TO ORDER 135-00062-16 DATED 6-17-68" PLEASE INCREASE THE AMOUNT PROVISED FOR THIS ORDER FROM $160,000.00 TO $200,000.00			

RECEIVED
JAN 28 1969
ENGINEERING DEPT.
CLAIRTON WKS.

See reverse side for conditions and tax instructions on exempt purchases. Do not charge state tax unless indicated.

WORKS ACCOUNTING DISTRIBUTION							RECEIVING INFO.
COST CENTER	COST CODE	SUB-CODE	INVENTORY OR APPROPRIATION CODE	QUANTITY	STANDARD AMOUNT	ACTUAL AMOUNT	DATE REC'D / FOB
							VIA
							CAR NO.
							COLLECT ☐ PREPAID ☐
							OVERSHIPMENT APPROVAL SIGNATURE
							RECEIVER'S SIGNATURE
							FRT. PAID AMT.
							FRT. REF.

W C & E INV. SUB.	EQUIPMENT CODE	APPROPRIATION CODE	PER-CENT	AMOUNT PROVIDED FOR ABOVE	ITEM No.	MFR'S CODE	STO. UNIT	PURCH. CODE
				40,000.00				

IVER TO. C. [illegible] T CH-3315

USEI000457

Change Order

United States Steel Corporation

Purchasing Division

Sub: 00062

ARMSTRONG CONTRACTING AND SUPPLY CORP.
485 CAMPBELL RUN ROAD
PITTSBURGH, PA. 15205

DATE 9/30/68

CHANGE ORDER NO. 2
TO ORDER NO. 135-00062-16
DATED 6/17/68

OUR ORDER NUMBER MUST BE SHOWN ON INVOICES, SHIPPING NOTICES, BILLS OF LADING, PACKAGES AND CORRESPONDENCE.

THE TERMS AND CONDITIONS OF THE ORIGINAL ORDER AND/OR CONTRACT AND PREVIOUS CHANGE ORDERS THERETO, IF ANY, SHALL REMAIN IN FULL FORCE AND EFFECT EXCEPT AS SPECIFICALLY NOTED BELOW. SUPPLEMENTING THE ABOVE PURCHASE ORDER OR CONTRACT, YOU ARE AUTHORIZED AND DIRECTED UNDER THE TERMS THEREOF TO MODIFY THE SCOPE OF WORK UNDER THIS ORDER AND/OR CONTRACT COST AS FOLLOWS:

CHANGE ORDER NO. 2

NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE $90,000.00

ITEM

CHANGE ORDER NO. 2 TO ORDER 135-00062-16 DATED 6/17/68.

INCREASE THE AMOUNT PROVIDED FOR THIS ORDER FROM $90,000.00 TO 160,000.00

RECEIVED
OCT 2 1968
ENGINEERING DEPT.
CLAIRTON WKS.

AMOUNT OF INCREASE FOR THIS CHANGE ORDER $70,000.00

NET AMOUNT TO DATE $160,000.00

COPIES TO:
W. W. CRAWFORD
CLAIRTON WORKS/W. J. SHUCK
S. P. CURTIS, ATTN. D. B. BLANK
FILE

ADDRESS ALL CORRESPONDENCE IN DUPLICATE
TO R. G. MILLER/B BUYER

UNITED STATES STEEL CORPORATION—PURCHASING DIVISION
P. O. BOX 26
PITTSBURGH, PA. 15230

APPROP. NO.	PER SUPPLEMENTAL RECOMMENDATION #		PURPOSE OF CHANGE (AS SHOWN ON FORM 2 USC 140)
1LAND	CH-3514	$70,000.00	

USEI000458

APPROPRIATION NO. Operations
DATE AUTHORIZED _____ AMOUNT
APPROPRIATION TITLE

UNITED STATES STEEL CORPORATION

SUPPLEMENTAL RECOMMENDATION FOR PLACEMENT

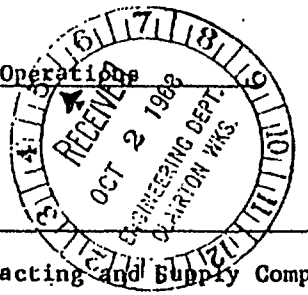
Heavy Products Operations

Clairton Works or District

Design Engineering

Suppl. Rec. No. 135-3260-1-1

Date September 20, 1968



DESCRIPTION OF THIS PURCHASE

Installation of Insulation - Keystone Plant

ORDER NO. 135-00062-16
DATE OF PLACEMENT 6-17-68
SUPPLIER Armstrong Contracting and Supply Company

SPEC. NUMBER	AMOUNT ALLOWED	PLACEMENT PRICE	PRESENT CONTRACT PRICE	INCREASE IN CONTRACT PRICE	TOTAL PRICE
535-4102-62 Standards Only.	$160,000	$45,000 Est.	$90,000.00 (Est)	$70,000 Further change	$160,000 Est.

APPROVALS
DESIGN OR DISTRICT ENGINEERING
W J Shuck
DISTRICT OPERATING
R R Campbell
CHIEF ENGINEER
EXECUTIVE ENGINEERING
PURCHASING
/s/ W. W. CRAWFORD

CONDITION OF PLACEMENT

1. The original order was placed with Armstrong Contracting and Supply Company on a lump sum release basis for an estimated amount of . . . . . $ 45,000
2. C.O. 1 increased this order by an estimated sum of 45,000

PRESENT CONDITIONS

Total present estimated price . . . . $ 90,000

Remaining insulation work has been reviewed and it is estimated completion will require an additional 70,000

Total Price $160,000

RECOMMENDATION AND REASON

It is recommended this order be increased to complete insulation work at the Keystone Plant. Work under this order consists of repairs to insulation caused by maintaining the piping in areas that have been turned over to plant operating and also additional insulation of piping beyond that which was covered by the scope of the appropriation but is considered necessary by the plant operating department.

USI 0459

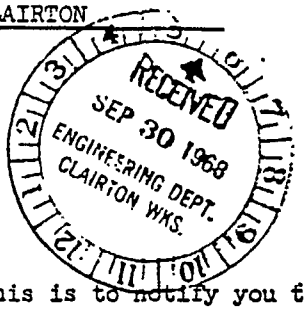
2USS-140 REV. 164

UNITED STATES STEEL CORPORATION

TO ENGINEERING EXECUTIVE

DATE

CLAIRTON



FROM J. P. Marner
Chief Engineer
Heavy Products Operations

SUBJECT
Appro. No. OPERATIONS
Spec. No.
R/P No. 135-3260-1-1
Order No. 135-00062-16

This is to notify you that the subject papers were forwarded to the Purchasing Department today.

Installation of Insulation -
Keystone Plant.

J. P. Marner

[illegible]

D. B. Blank
Director - Control
Design and Construction

September 20, 1968

R. R. Campbell
General Superintendent

Installation of Insulation -
Keystone Plant

With reference to the above subject, the following papers are forwarded for processing through the regular channels:

1. Three copies of Supplemental Recommendation for Placement No. 135-3260-1-1.
2. Change Order Requisition.

General Superintendent

Chief Engineer

WRC/jdm
Enclosures

R/P - Div. Sheet - LHS

MAILED
SEP 23 196
CLAYTON ENG.

APPROPRIATION NO. Operations
DATE AUTHORIZED _____ AMOUNT
APPROPRIATION TITLE

UNITED STATES STEEL CORPORATION

SUPPLEMENTAL RECOMMENDATION FOR PLACEMENT

Heavy Products Operations

Clairton Works or District

Design Engineering

Suppl. Rec. No. 135-3260-1-1

Date September 20, 1968

DESCRIPTION OF THIS PURCHASE

Installation of Insulation - Keystone Plant

ORDER NO. 135-00062-16
DATE OF PLACEMENT 6-17-68
SUPPLIER Armstrong Contracting and Supply Company

SPEC. NUMBER	AMOUNT ALLOWED	PLACEMENT PRICE	PRESENT CONTRACT PRICE	INCREASE IN CONTRACT PRICE	TOTAL PRICE
535-4102-62 Standards Only	$160,000	$45,000 Est.	$45,000 Conf. 45,000 Unconf. $90,000 Total	$45,000 Unconf. 70,000 Further Change $115,000 Total	$160,000 Est.

APPROVALS
DESIGN OR DISTRICT ENGINEERING
DISTRICT OPERATING
CHIEF ENGINEER
EXECUTIVE ENGINEERING
PURCHASING

CONDITION OF PLACEMENT

1. The original order was placed with Armstrong Contracting and Supply Company on a lump sum release basis for an estimated amount of . . . . . $ 45,000
2. C.O. 1 increased this order by an estimated sum of 45,000

PRESENT CONDITIONS

Total present estimated price . . . . $ 90,000

Remaining insulation work has been reviewed and it is estimated completion will require an additional 70,000

Total Price $160,000

RECOMMENDATION AND REASON

It is recommended this order be increased to complete insulation work at the Keystone Plant.

USEI000462

2USS-140 REV. 164

UNITED STATES STEEL CORPORATION

01.000.0224

DERIVATION OF AMOUNT AVAILABLE FOR PURCHASE

APPROPRIATION NO. Operations DATE September 20, 1968

PURCHASE ORDER NO. 135-00062-16

R/P OR SUPPLEMENTAL R/P NO. 135-3260-1-1

	CONTRACT CODE	AMOUNT	
1. Amount Allowed		$	
2. Total Amount Allowed			$
3. Less Reserved For Other Purchases*			
4. Net Amount Allowed This Purchase			
5. Amount Available From Preceding R/P**			90000
6. Less Funds Transferred to Contract Code 940			
7. Net Amount Available			

	CONTRACT CODE	AMOUNT	
8. Available Funds Required	(930)	$	
	(940)		
	Operations	~~$160,000~~ 70,000	
9. Total Additional Funds			70,000 ~~$160,000~~
10. Amount Available This Purchase			$160,000

*DETAIL OF RESERVES

CONTRACT CODE	ITEM	AMOUNT

USEI000463

Total $

For Supplementals Only

Remaining Funds in Account No. 930 Following this Transaction $

Remaining Funds in Account No. 940 Following this Transaction $

LATER THAN

From

United States Steel Corporation
PURCHASING DIVISION
[illegible] WILLIAM PENN PLACE, PITTSBURGH, PA. 15230

Pns: 00062

R. R. CAMPBELL
GEN. SUPT.
CLAIRTON WORKS

SUBJECT C.O. #2 ORDER
135-00062-16

MESSAGE DATE 9/19

HEREWITH RETURN CHANGE ORDER 10.2 PLEASE RETURN WITH SUPPLEMENTAL RECOMMENDATION FOR PLACEMENT THROUGH REGULAR CHANNELS

SENT BY R. G. Miller

REPLY DATE

ANSWERED BY

Form [illegible] Business Envelope Mfrs. Inc., Pearl River, New York • Melrose Park, Ill.

DETACH AND RETAIN THIS COPY

quests order to be increased to $160,000.

K to process? All being charged operating.

R. G. M.

[illegible] requested Sup. R/P

USEI000464

UNITED STATES STEEL CORPORATION

REPORT OF PLACEMENT

August 26, 1968

District and Works	Apprn. No. and Date	Appropriation Title
Heavy Products Operations Clairton Works	Operations	-

Amount Approved for Purchase	Inquiry Number	Recommendation Number
	None	135-3260-1

Purchase Order Number	Date Placed	Terms and f.o.b.
35-00462-16 CO #1	August 23, 1968	Net 30 Days

Successful Bidder	Description (including mfr's. name)	Amount	Delivery Promise
Armstrong Contracting & Supply Co. Pittsburgh, Pa.	Insulate Piping at Keystone Plant	$90,000 Firm	Unreleased

Remarks

Original order placed for $45,000 and has been increased to permit completion of work.

Copy for: W.W. Crawford
A.V. Wiebel
E.L. Tindall
S.P. Curtis
D.B. Blank
H.H. Kelso
D.H. Boyd
C.W. Fallon
Works Chief Engineer - W. J. Shuck
Works Manager-Accounting - R. W. Taylor
Engineering Manager-Design - R. C. Miller
J.F. O'Connor
File

R. L. Brawley

General Manager-Purchasing

-41 REV. 11-67

Change Order

United States Steel Corporation

Purchasing Division

PURCHASING DIVISION

STRONG CONTRACTING AND SUPPLY CORP,
0 WESTERN AVENUE
TSBURGH, PA. 15233

DATE 9/3/68

CHANGE ORDER NO 1 TO ORDER 135-00062-16 DATED 6/17/68

OUR ORDER NUMBER MUST BE SHOWN ON INVOICES, SHIPPING NOTICES, BILLS OF LADING, PACKAGES AND CORRESPONDENCE.

ERMS AND CONDITIONS OF THE ORIGINAL ORDER AND/OR CONTRACT AND PREVIOUS CHANGE ORDERS THERETO, IF ANY, SHALL REMAIN IN FULL FORCE AND T EXCEPT AS SPECIFICALLY NOTED BELOW. SUPPLEMENTING THE ABOVE PURCHASE ORDER OR CONTRACT, YOU ARE AUTHORIZED AND DIRECTED UNDER THE S THEREOF TO MODIFY THE SCOPE OF WORK UNDER THIS ORDER AND/OR CONTRACT COST AS FOLLOWS:

CHANGE ORDER NO. 1

NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE $45,000.00

NGE ORDER NO. 1 TO STANDING ORDER 135-00062-16
ED 6/17/68

ASE INCREASE THE AMOUNT PROVIDED FOR THIS ORDER
M $45,000.00 TO $90,000.00.

ITEM	
AMOUNT OF INCREASE FOR THIS CHANGE ORDER	$45,000.00
NET AMOUNT TO DATE	$90,000.00

COPIES TO:

CLAIRTON WORKS/W J SHUCK
S P CURTIS, ATTN D B BLANK
FILE

ADDRESS ALL CORRESPONDENCE IN DUPLICATE

TO R. S. MILLER/M BUYER

UNITED STATES STEEL CORPORATION—PURCHASING DIVISION
P. O. BOX 26
PITTSBURGH, PA. 15230

NO.	PER SUPPLEMENTAL RECOMMENDATION #	PURPOSE OF CHANGE (AS SHOWN ON FORM 2 USC 140)
—	WEILAND CM-3260	

USEI000466

82.808 0345

Purchase Order Continuation Sheet

United States Steel Corporation

Purchasing Division

PURCHASING DIVI

(INVOICE IN UNITS ORDERED AND AS DESCRIBED BELOW)

ORDER DATE	ORDER NO.
6/17/68	135-00062-

COMMODITY CODE AND DESCRIPTION	ITEM	QUANTITY	PRICE
PAGE 2 OF 2 PAGES			

MUST BE DULY EXECUTED AND IN OUR POSSESSION PRIOR TO COMMENCEMENT OF WORK.

OUR TERMS AND CONDITIONS STATED HEREIN SHALL GOVERN WHERE IN CONFLICT WITH THOSE STATED IN YOUR PROPOSAL.

BG 1907A REV. 7-64

USEI000467

ACKNOWLEDGMENT OF ORDER

R. G. MILLER 16

JUN 24 1968

TO UNITED STATES STEEL CORPORATION
PURCHASING DIVISION
P. O. BOX 26
PITTSBURGH 30, PENNSYLVANIA

ATTN MR. R G MILLER, BUYER

ORDER NO. 135-00062-16
DATED JUNE 17, 1968

THE UNDERSIGNED ACCEPTS THIS ORDER AND AGREES TO CARRY OUT AND DISCHARGE ALL OF THE CONDITIONS AND OBLIGATIONS SPECIFIED IN SAID ORDER AND IN THE "GENERAL CONDITIONS COVERING WORK ON PURCHASER'S PREMISES" ATTACHED THERETO.

DATED June 21, 1968

ACYS
/SELLER/

BY [signature]

ITS [signature]

USEI000468

M

Order 135-00062-16
Keystone - Insulation
Extra Work - Armstrong

Original order let for $45000

Change Order #1 written 8/23 increased order to $90,000. At your request this was covered by Purchase Recommendat

Attached Change order #2 requests order to be increased to $160,000 OK to process? All being charged to operating.

R. G. M.

USEI000469

9/19 DDM Requested Sup R/P

Mr. D. B. Blank
Director - Control
Design and Construction

August 6, 1968

R. R. Campbell
General Superintendent
Clairton Works

INSULATE PIPING AT
KEYSTONE PLANT

With reference to the above subject, the following papers are forwarded for processing through regular channels:

Four copies of Recommendation for Placement No. 135-3260-1
Purchase Order No. 135-00062-16, C.O. No. 1 covering the subject services

R R Campbell
General Superintendent

L H Green
Assistant Division Superintendent
Chemicals

Enclosures

PROJECT NO.
APPROPRIATION NO. Operations
DATE AUTHORIZED
APPROPRIATION TITLE
AMOUNT

RECOMMENDATION FOR PLACEMENT
UNITED STATES STEEL CORPORATION

Heavy Products Operations

Clairton — Works or District
Design Engineering
Recommendation No. 135-3260-1
Date August 6, 1968

FORWARDED FROM
SEP 20 1968
PURCHASING DIVISION

DESCRIPTION OF THIS PURCHASE Insulate Piping at Keystone Plant

ORDER NO. 135-00062-16 INQUIRY NO. None BIDDERS

SPECIFICATION NUMBER	AMOUNT ALLOWED								
535-4102-62 (Standards only)	-	Armstrong Contracting & Supply Co., Inc.							
~~[illegible] SHIPPING POINT~~									
TOTAL PRICE (estimated)		$90,000							
DATE OF PROPOSAL		verbal							
PROMISED DELIVERY		as released							
FIRM PRICE		yes							

ACCEPTABLE BIDDERS

Original order for $45,000 was placed with Armstrong Contracting and Supply Co., Inc. by Purchasing Department. It is requested this order be increased by $45,000 to a total of $90,000.

REASONS FOR RECOMMENDATION

It is recommended this order be increased to permit completion of insulation work at the Keystone Plant.

DECLINED INVITATION TO QUOTE

None

MANAGEMENT APPROVALS

[redacted] Asst.Div.Supt.-Chemicals

L H Spear

DISTRICT OPERATING

R R Campbell

CHIEF ENGINEER

VICE PRESIDENT OF OPERATIONS

EXECUTIVE ENGINEERING

PURCHASING

COMMERCIAL

USS 480 REV. 164
01.000 UOYA

USEI000471

02.000.0457

Purchase Order

United States Steel Corporatio

Purchasing Division

PURCHASING DI

ARMSTRONG CONTRACTING AND SUPPLY CORP
1420 WESTERN AVE
PITTSBURGH,PA 15233

Order Date: 6/17/68

Order No.: 135-00062-

CHARGE & MAIL INVOICE IN TRIPLICATE ON DATE OF SHIPMEN
UNITED STATES STEEL CORPORATION
MANAGER—ACCOUNTING, ATTN. ACCTS. PAY
AT SHIP TO LOCATION Unless Otherwise Stated

DELIVERY (IF DATE CANNOT BE MET, ADVISE AT ONCE)
AS DIRECTED

F.O.B.
SITE

PLEASE FURNISH US IN ACCORDANCE WITH ALL CONDITIONS SPECIFIED IN THIS PURCHASE ORDER INCLUDING THE REVERSE SIDE HEREOF AND ALL ATTACHMENTS HERETO, THE FOLLOWING:

TERMS
NET 30 DAYS

INVOICE IN UNITS ORDERED AND AS DESCRIBED BELOW

COMMODITY CODE AND DESCRIPTION	ITEM	QUANTITY	PRICE
PAGE 1 OF 2			
FURNISH LABOR, TOOLS AND MATERIAL TO INSTALL PIPING INSULATION TO THE STANDARDS SET FORTH IN SPECIFICATION 535-4102-62 AT THE KEYSTONE PLANT AS DIRECTED. THIS ORDER IS TO BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF PURCHASE ORDER 535-96086-131. THIS WORK IS TO BE RELEASED AGAINST THIS ORDER BY LUMP SUM RELEASES NOT TO EXCEED $45,000.			
VENDOR HAS BLANKET INSURANCE CERTIFICATE ON FILE WITH THE U.S.S. CORP.			
ALL WORK ON PURCHASER'S PREMISES SHALL BE PERFORMED IN ACCORDANCE WITH AND SUBJECT TO THE "GENERAL CONDITIONS COVERING WORK ON PURCHASER'S PREMISES" ATTACHED HERETO AND MADE A PART OF THIS CONTRACT.			
ONE COPY OF THE ATTACHED "ACKNOWLEDGMENT"			

See reverse side for conditions and tax instructions on exempt purchases. Do not charge state tax unless indicated.

SG 19074 REV. 1066

SHIPPING INSTRUCTIONS

SHIP TO

UNITED STATES STEEL CORPORATION

CLAIRTON WORKS
CLAIRTON, PA 15025

OUR ORDER NUMBER MUST BE SHOWN ON INVOICES, SHIPP NOTICES, BILLS OF LADING, PACKAGES AND CORRESPONDEI

ADDRESS ALL CORRESPONDENCE IN DUPLICATE TO

R G MILLER/H
U. S. STEEL CORP.—PURCHASING DIVISI
P. O. BOX 26
PITTSBURGH, PA. 15230

WHEN NOT SPECIFIED ABOVE, ROUTE VIA LOWEST COST TRANSPORTATION.

Send Shipping Notice direct to destination attention STOREKEEPER. Shipments received without shipping notice will be held until such notice is received and all demurrage will be charged to Seller's account. PARTIAL SHIPMENTS ARE NOT ACCEPTABLE UNLESS AUTHORIZED HEREIN. If shipped Parcel Post for United States Steel's account, do not insure.

CC. OR INV. ACCT.	W C & E INV. SUB.	EQUIPMENT CODE	APPROPRIATION CODE	PER. CENT	AMOUNT PROVIDED FOR ABOVE	ITEM No.	MFR'S CODE	STD. UNIT	PURCH. CO
CM-3009		WEILAND			$45,000.00				X

USEI000472

LIVER TO:

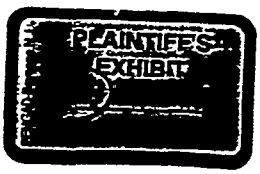
hange Order #1 May 2, 1967 5-66 Solicit Bids

hange Order #2

hange Order #3 Aug. 30, 1967
4 light oil regenerators
Insulate thermocouple welds / Nozzles
hange Order #4 Jan 1968
hange Order #5 March 11, 1968
- cold piping - Addendum #8
- contractor proposal 3-1-68
hange Order #6 May 1968
hange Order #7
hange Order #8 May 8, 1968

Adjust the present contract price to incorporate revised operating temperature requirements (ranging from -60° to + 400°) of piping to be insulated in accordance with Addendum No. 10 to Specification 535-4102-62 for Cold Insulation per INS-1 and Armstrong Contracting and Supply Company proposal dated April 24, 1968.

hange Oeder #9 August 1968
Change Orders #7 and #8 increased the scope of the contractors work in area 7 to include insulation of process lines in accordance with addendum #11 and revised operating temperature requirements of piping to be insulated in accordance with addendum #10



4102-6

STATES STEEL CORPORATION

CHANGE ORDER REQUISITION

ENDOR NAME AND ADDRESS	CHANGE REQ'N DATE	CHANGE ORDER NO. 1
Armstrong Contracting and Supply Corp. 1420 Western Avenue Pittsburgh, Pennsylvania 15233	MAY 2 1967	TO ORDER NO. 535-96086 DATED 12-9-66

CHANGE ORDER NO. 1 NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE $596,000.00

Adjust the present contract price to include changes as outlined in Transmittals 1 through 11, dated 1-10-67 through 2-10-67; all in accordance with Contractor's proposal dated 4-6-67.

Item No.	Description	Price
1	Line Sch. Page 40 - Line UAM513-4", additional footage, valves and fittings	$ 412.00
2	Line Sch. Page 62 - Line UAM701- 1-1/2", additional footage and fittings	132.00
3	Line Sch. Page 40 - Line UB500- 2" and 1", additional footage, valves, and fittings	8,822.00
5	Line Sch. Page 41 - Line UD501- 4" should be UD501- 2", additional footage and fittings of 2"	188.00

ITEM

AMOUNT OF Increase FOR THIS CHANGE ORDER $ 9,997.00

15 NO. OF COPIES (Same as original order) NET AMOUNT TO DATE $605,997.00

AAR:csd

Form No. 1-0131-C3 Per Supplemental Recommendation # Purpose of Change (As shown on form 2 USS 140)

Buyer's Stamp

Acct. No.
1531 Contingency

Item 34 (D-93a)

[signature] 5/9/67
Authorized Signature

RECEIVED
MAY 12 1967
ENGINEERING DEPT.
CLAIRTON WKS.

K W. [signature] /mm
5-8-67

USEI000281

CONTINUATION SHEET

Change Order No. 1

USS PURCHASE REQUISITION

DATE MAY 2 1967

P.O. NUMBER 535-56086 dated: 12-9-66

COMMODITY CODE AND DESCRIPTION | ITEM | QUANTITY | PRICE

Item No.	Description	Price
6	Dwg. W-22151 Rev. 6 - added 1-1/2" flanged control valve in lieu of welded valve	$ 11.00
7	Dwg. W-20710 Rev. 10 - change elev. by adding two 6" miters, line 20-HAM-515- 6"	22.00
8	Dwg. W-22151 Rev. 6 changed 4" angle valve from weld to flanged	24.00
9	Dwg. W-22151 Rev. 6 changed 6" angle valve from weld to flanged	65.00
10	Dwg. W-22156 Rev. 7 moved pump and added piping and fittings	321.00

RECEIVED MAY 12 1967

40-9
4102-6.

9406
REV. 12-63
UNITED STATES STEEL CORPORATION

CHANGE ORDER REQUISITION

Item 17-15 a & c

VENDOR NAME AND ADDRESS	CHANGE REQ'N DATE	CHANGE ORDER NO. 3
Armstrong Contracting and Supply Corporation 1420 Western Avenue Pittsburgh, Pennsylvania 15230	AUG 30 1967	TO ORDER NO. 535-96086-16 DATED 12-9-66

CHANGE ORDER NO. 3 NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE $606,547.00

ITEM

Adjust present contract price to incorporate the insulation to the tops of four (4) light oil regenerators and the insulation of thermocouple welds and nozzles, in accordance with Addendum No. 6 to Specification No. 535-4102-62 and Contractors Proposal dated 8-21-67.

AMOUNT OF INCREASE FOR THIS CHANGE ORDER $ 14,720.00

15 NO. OF COPIES (Same as original order) NET AMOUNT TO DATE $621,267.00

AAR/kna

Apprn. No. 1-0181-C3

Per Supplemental Recommendation #

Purpose of Change (As shown on form 2 USS 140

Buyer's Stamp

Acct. No.	Contract Code
1522	34

(C3-17-15-A & C)

Ruth W. [illegible] 9/6
Authorized Signature

RECEIVED
SEP 8 1967
ENGINEERING DEPT.
[illegible] WKS.

K. W. Hakmiller/mk
9-5-67

USEI000254

DATE AUTHOR _____ AMOUNT $194,900,000.00
APPROPRIATION TITLE

SUPPLEMENTAL RECOMMENDATION FOR PLACEMENT

Change Order No. 4

Facilities For Processing Coke Oven Gas - Keystone Project

HEAVY PRODUCTS OPERATIONS

Clairton Works or District

Pittsburgh Design Engineering

DESCRIPTION OF THIS PURCHASE - Insulation of Piping and Equipment - Keystone Project

Suppl. Rec. No. 535-4102-62-1

Date JAN 29 1968

ORDER NO. 535-96086-16
DATE OF PLACEMENT 12-9-66
SUPPLIER Armstrong Contracting and Supply Corporation

SPEC. NUMBER	AMOUNT ALLOWED	PLACEMENT PRICE	PRESENT CONTRACT PRICE	INCREASE DECREASE IN CONTRACT PRICE	TOTAL PRICE
535-4102 62 and Addenda 1 thru 7	$647,351.63	$596,000.00	Confirmed: $596,000.00 Unconfirmed: $ 25,267.00 Total: $621,267.00	Unconfirmed: $ 25,267.00 Further-Change $ 26,084.63 Net Change $ 51,351.63	$647,351.63

APPROVALS

DESIGN OR DISTRICT ENGINEERING

DISTRICT OPERATING

CHIEF ENGINEER

EXECUTIVE ENGINEERING

PURCHASING

CONDITION OF PLACEMENT

Order was placed for a lump-sum price of	$596,000.00
Change Order No. 1 included additional footage of pipe, valves, and fittings	$ 9,947.00
Change Order No. 2 included additional piping to be insulated	$ 550.00
Change Order No. 3 included insulation to tops of four light oil regenerators, thermocouple welds & nozzles	$ 14,720.00
Present Contract Price	$621,267.00

PRESENT CONDITIONS

Increase the contract price to incorporate the following:

1. Extra Works Orders Nos. 1 thru 5 for an increase of	$13,159.00
2. Premium Time Authorizations Nos. 1 thru 7 for an increase of	$11,361.96
3. Escalation of Armstrong Invoices	$ 1,563.67
Increase Per C.O. #4	$ 26,084.63

RECOMMENDATION AND REASON

It is recommended that the contract be increased to $647,351.63

Prices for the above work have been reviewed and are acceptable.

RECEIVED
JAN 30 1968

USE1000246

2USS-140 REV. 164
*AAR:dm

4102-1

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19438 REV. 12-65
NITED STATES STEEL CORPORATION

CHANGE ORDER REQUISITION

Item: 17-15-d

VENDOR NAME AND ADDRESS	CHANGE REQ'N DATE	CHANGE ORDER NO. 5
Armstrong Contracting and Supply Company 1420 Western Avenue Pittsburgh, Pa. 15233	3-11-68	TO ORDER NO. 535-96086-16 DATED 12-9-66

CHANGE ORDER NO. 5 NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE $647,351.63

ITEM

Insulation of Piping and Equipment - Keystone Project - Clairton Works
535-4102

Adjust the present contract price to include all labor and material necessary to insulate all piping in accordance with the INS-1 portion (cold) insulation in Addendum No. 8 to Specification No. 535-4102-62 and Contractor's proposal dated March 4, 1968.

Amount of Increase $30,340.00

AMOUNT OF INCREASE FOR THIS CHANGE ORDER $ 30,340.00

15 NO. OF COPIES (Same as original order) NET AMOUNT TO DATE $677,691.63

RT/kna

Oprn. No.	Per Supplemental Recommendation #	Purpose of Change (As shown on form 2 USS 140)
1-0181-C3	-	
Typer's Stamp	Acct. No. * Cont. Code 34	
	Attention: Mr. R. G. Miller - 16	Authorized Signature

RECEIVED
MAR 28 1968
ENGINEERING DEPT.
CLAIRTON WKS.

K W Hamilton/mhe
3-25-68

* 1531 - 27,340
1625 - 3,000

USEI000227

DATE AUTHORIZED 6-27-67 AMOUNT $194,900,000.00

APPROPRIATION TITLE
Facilities for Processing Coke Oven Gas - Keystone Project

DESCRIPTION OF THIS PURCHASE
Insulation of Piping and Equipment - Keystone Project

SUPPLEMENTAL RECOMMENDATION FOR PLACEMENT

HEAVY PRODUCTS OPERATIONS

Change Order No. 6

Clairton Works or District
Pittsburgh Design Engineering

Suppl. Rec. No. 535-4102-62-2

Date 15 V 6 Dec

ORDER NO. 535-96086-16
DATE OF PLACEMENT 12-9-66
SUPPLIER Armstrong Contracting and Supply Company

SPEC. NUMBER	AMOUNT ALLOWED	PLACEMENT PRICE	PRESENT CONTRACT PRICE	INCREASE DECREASE IN CONTRACT PRICE	TOTAL PRICE
535-4102 62 and Addenda 1 thru 10	$708,819.73	$596,000.00	$677,691.63	$31,128.10	$708,819.73

APPROVALS
DESIGN OR DISTRICT ENGINEERING
DISTRICT OPERATING
CHIEF ENGINEER
EXECUTIVE ENGINEERING
PURCHASING

CONDITION OF PLACEMENT

Order was placed for a lump-sum price of.....$ 596,000.00
Change Orders No. 1 thru No. 5 increased the contract price by..... 81,691.63
Present Contract Price.....$ 677,691.63

PRESENT CONDITIONS

Increase the contract price to incorporate the following:

1. E.W.O.'s with estimated amounts included in previous Change Orders for a decrease of.....$ (-)112.00
2. E.W.O.'s No. 11 thru No. 20 for an increase of..... 16,861.00
3. Premium Time Authorizations No. 15 thru No. 24 for an increase of..... 11,410.00
4. Escalation of Armstrong Invoices for an increase of..... 2,969.10

Increase Per C.O. #6.....$ 31,128.10

RECOMMENDATION AND REASON

It is recommended that the contract be increased to.....$ 708,819.73
Prices for the above have been reviewed and are acceptable

RECEIVED
MAY 7 1968
ENGINEERING DEPT.
CLAIRTON WKS.

USEI000211

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.9633 REV. 12-63
ITED STATES STEEL CORPORATION

CHANGE ORDER REQUISITION

C3-36 (CL-306)

VE. .R NAME AND ADDRESS	CHANGE REQ'N DATE	CHANGE ORDER NO. #8
Armstrong Contracting and Supply Company 1420 Western Avenue Pittsburgh, Pennsylvania 15233	MAY 8 1968	TO ORDER NO. 535-96086-16 DATED 12-9-66

CHANGE ORDER NO. #8 NET AMOUNT OF ORDER PREVIOUS TO THIS CHANGE ~~$ 706,819.73~~ 722,804.73

ITEM

Insulation of Piping and Equipment - Keystone Project - Clairton Works - Project No. 535-4102

Adjust the present contract price to incorporate revised operating temperature requirements (ranging from -60° to + 400°) of piping to be insulated in accordance with Addendum No. 10 to Specification 535-4102-62 for Cold Insulation per INS-1 and Armstrong Contracting and Supply Company proposal dated April 24, 1968.

AMOUNT OF Increase FOR THIS CHANGE ORDER $ 29,622.00

15 NO. OF COPIES (Same as original order) NET AMOUNT TO DATE ~~$736,441.73~~ 752,426.73

MJM/jm

Apprn. No.	Per Supplemental Recommendation #	Purpose of Change (As shown on form 2 USS 140
-0181-C3		

Buyer's Stamp

Item C3-36 (CL-306)
Account 1526
Contract Code 34

Attention: Mr. R. G. Miller - 16
Pittsburgh Purchasing

[signature] 7/17
Authorized Signature

RECEIVED
JUL 23 1968
ENGINEERING DEPT.
CLAIRTON WKS.

K. W. Hakmiller /mlr
7-16-68

USEI000209

APPROPRIATION NO. 1-8181-C3
DATE AUTHORIZED 4-23-63 AMOUNT $194,900.00
APPROPRIATION TITLE

UNITED STATES STEEL CORPORATION

SUPPLEMENTAL RECOMMENDATION FOR PLACEMENT

Change Order No. 9

Facilities for Processing
Coke Oven Gas - Keystone Project

HEAVY PRODUCTS OPERATIONS

Clairton Works or District

Pittsburgh Design Engineering

Suppl. Rec. No. 535-4102-62-3

Date August 6, 1964

DESCRIPTION OF THIS PURCHASE

Insulation of Piping and Equipment

ORDER NO. 535-96086-16
DATE OF PLACEMENT 12-9-64

SUPPLIER Armstrong Contracting and Supply Company

SPEC. NUMBER	AMOUNT ALLOWED	PLACEMENT PRICE	PRESENT CONTRACT PRICE	INCREASE DECREASE IN CONTRACT PRICE	TOTAL PRICE
535-4102-62 and Adds. 1 thru 11	$789,570.00	$596,000.00	$752,426.73	$37,142.46	$789,569.19

APPROVALS

DESIGN OR DISTRICT ENGINEERING

A. E. Dudley C.E.

DISTRICT OPERATING

CHIEF ENGINEER

EXECUTIVE ENGINEERING

PURCHASING

CONDITION OF PLACEMENT

Contract was placed at a lump sum price, subject to Escalation Clause #1-Labor only, of..... $596,000.00
Change Orders 1 thru 6 (nonfirmed) increased contract price by..... 112,819.73

PRESENT CONDITIONS

Change Orders Nos. 7 and 8 (Unconfirmed) increased scope of Contractor's work in Area 7 to include insulation of process lines in accordance with Addendum No. 11 and revised operating temperature requirements of piping to be insulated in accordance with Addendum No. 10 for a net price increase of..... $ 43,607.00

PRESENT CONTRACT PRICE (unconfirmed)..... $752,426.73

Change Order No. 9 finalizes Extra Work Order (-$24.46), includes Premium Time Authorizations (+$27,871.81), includes escalation invoices (+$10,346.63), and finalizes Premium Time Authorizations included on previous Change Orders (-$51,153.72) for a net price increase of..... $ 37,142.46

RECOMMENDATION AND REASON

That the contract price be increased to a total price of..... $789,569.19

Prices for the above work have been reviewed and are acceptable.

RECEIVED
AUG 10 1964

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RK/pm

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