



Date: July 16, 2016

To: All Plan Holders of Record

Re: Addendum No. 2
ITB 16156
Perryville Rural Power System Upgrades Site Construction

This addendum consists of four (4) pages:

Bid Opening date and time remain unchanged.

Bidders must acknowledge the receipt of this addendum in writing on the Bid Form. This addendum amends and/or supplements the Bidding and Contract Documents and Plans. Contract document provisions not specifically amended herein remain in full force and effect.

BIDDING AND CONTRACT DOCUMENTS

A. Modifications to Bidding and Contract Documents:

1. Section 01010 Summary of Work, Article 1.04 Description of Bid Items, Section A., 1., b., vii. (Page 01010-4):

Add Items 13 and 14 to the Freight Manifest of Owner Supplied Material table:

Item 13, Weight # 1,100, 2 Each 55 Gallon Drums Premixed Coolant

Item 14, Weight # 2,200, 4 Each Drums Premixed Heat Transfer Fluid

2. Section Appendix C

Add photo of 6 each drums of premixed coolant and heat recovery transfer fluid and table of Perryville Power Plant Coolant Heat Recovery Volume.

DESIGN DRAWINGS

A. Modifications to Perryville Rural Power Systems Upgrade Drawings:

1. Sheet M2, Last column, * *System Startup (Continued)** Third Paragraph:

Delete the third paragraph and replace with the following:

HEAT RECOVERY PIPING - AFTER PRESSURE TESTING AND FLUSHING, BLEED AIR RESERVOIR ON EXPANSION TANK AS REQUIRED TO MAINTAIN 10 PSIG RESIDUAL WITH SYSTEM EMPTY. FILL SYSTEM WITH OWNER FURNISHED PREMIXED HEAT TRANSFER FLUID TO 20 PSIG MINIMUM WITH SYSTEM COLD. VENT AIR FROM ALL HIGH POINTS PRIOR TO STARTING CIRCULATING PUMP. CYCLE PUMP ON AND OFF AND VENT HIGH POINTS UNTIL ALL AIR HAS BEEN PURGED FROM PIPING. ADD ADDITIONAL PRE-

MIXED HEAT TRANSFER FLUID SOLUTION AS REQUIRED TO BRING SYSTEM PRESSURE TO 30 PSIG MINIMUM AT EXPANSION TANK AT NORMAL OPERATING TEMPERATURE (180F).

Attachments:

1. *Photo of 6 each drums of premixed coolant and heat recovery transfer fluid and table of Perryville Power Plant Coolant Heat Recovery Volume.*

Six Each 55 Gallon Drums of owner Supplied Premixed Coolant and Heat Transfer Fluid



GENERATOR LOOP ITEMS	QUAN	UNIT	UNIT VOL (GAL)	TOTAL VOL (GAL)
EQUIPMENT				
John Deere 6090AFM	1	ea.	11.50	11.5
John Deere 4045AFM/TFM	2	ea.	5.00	10.0
Small Radiator (DR 3490)	2	ea.	9.00	18.0
Cabinet Unit Heater	1	ea.	1.00	1.0
Heat Exchanger (SL140TL-LL-80)	1	ea.	4.00	4.0
Expansion Tank 50% Full (24 Gal)	1	ea.	12.00	12.0
PIPING				
1/2" Copper Tube	20	lin.ft.	0.012	0.2
3/4" Copper Tube	10	lin.ft.	0.025	0.3
1" Copper Tube	10	lin.ft.	0.043	0.4
1-1/2" Copper Tube	0	lin.ft.	0.092	0.0
2" Copper Tube	20	lin.ft.	0.161	3.2
2-1/2" Copper Tube	5	lin.ft.	0.248	1.2
3" Copper Tube	60	lin.ft.	0.354	21.2
TOTAL VOLUME ETHYLENE GLYCOL REQUIRED				83.1
DRUMS OF ETHYLENE GLYCOL TO PURCHASE			2	110
VOLUME OF EXTRA TO BE LEFT ON SITE				27

HEAT RECOVERY LOOP ITEMS	QUAN	UNIT	UNIT VOL (GAL)	TOTAL VOL (GAL)
EQUIPMENT				
Heat Exchanger (SL140TL-LL-80)	2	ea.	4.00	8.0
Expansion Tank 50% Full (AX-60)	1	ea.	12.00	12.0
PIPING				
75mm PEX	600	lin.ft.	0.239	143.4
2" Steel Pipe	20	lin.ft.	0.175	3.5
2-1/2" Steel Pipe	60	lin.ft.	0.249	14.9
TOTAL VOLUME PROPYLENE GLYCOL REQD				181.8
DRUMS OF PROPYLENE GLYCOL TO PURCHASE			4	220
EXTRA VOLUME LEFT ON SITE				38