



Office of the Vice President  
and Chief Financial Officer  
Procurement Services  
<https://procurement.ufl.edu/>

971 Elmore Drive  
PO Box 115250  
Gainesville, FL 32611-5250  
(352) 392-1331 Fax 352-392-8837

January 15, 2019

**ADDENDUM NUMBER 2 ON INVITATION TO BID ITB19KO-120**

**TITLE:** Center Pivot Irrigation Systems at NFREC-Marianna

**Mandatory pre-bid meeting** was held at the site on January 9, 2019 at 10:00 AM CST. **Bid opening** will be held January 23, 2019 at 3:00 PM EST in UF Procurement Services, 971 Elmore Drive, Gainesville, FL 32611.

This addendum shall be considered part of the Contract Documents for the above mentioned project as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract documents, this addendum shall govern and take precedence. Bidders are hereby notified that they shall acknowledge receipt of the addendum.

**NOTES:**

- See attached one (1) page of vendor question and answer
- See attached one (1) page Revised Price Page
- See attached two (2) pages of "PUMP DATA SHEET"

  
Karen Olitsky  
Procurement Agent III

**PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM 2 AND RETURN WITH YOUR BID.  
FAILURE TO ACKNOWLEDGE THIS ADDENDUM COULD CONSTITUTE REJECTION OF YOUR BID.**

\_\_\_\_\_  
VENDOR NAME

\_\_\_\_\_  
VENDOR ADDRESS

\_\_\_\_\_  
SIGNATURE

## **VENDOR QUESTION AND ANSWER**

Q1. We are currently set up as a vendor for the University of Florida. Do we still need to have an attorney fill out the Attestation of Principal Place of Business?

A1. Yes, a completed Attestation of Principal Place of Business should be submitted with your bid.

**REVISED PRICE SHEET (REV. 1/15/19)**

From: \_\_\_\_\_  
(Company Name/Name & Title of Authorized Agent)

To: **UNIVERSITY OF FLORIDA**  
**Procurement Services**  
**971 Elmore Drive/PO Box 115250**  
**Gainesville, FL 32611**

The undersigned, being invested with the authority of his/her employer, and having read the Documents for the Bid, as well as the Specifications for the Bid, entitled:

**ITB19KO-120, Center Pivot Irrigation Systems at NFREC – Marianna**

and having familiarized himself/herself with all conditions affecting and governing the specifications, pricing and delivery of the product and services described herein, hereby proposes to furnish the products and services as per the specifications, in strict compliance with the Bid Documents, Addenda and any other documents relating thereto on file with UF Procurement Services and, if awarded the Contract, agrees to abide by the pricing and delivery terms as per the Documents and as stated herein, for the sums enumerated on this page.

**TOTAL COST OF MATERIALS  
(INCLUDING SHIPPING/DELIVERY COSTS): \$ \_\_\_\_\_**

**TOTAL COST OF INSTALLATION: \$ \_\_\_\_\_**

**IF APPLICABLE, PER ADDENDUM 1 - PAGE 4 - ITEM F. DRIVE UNIT ATTACHMENT,  
TOTAL NUMBER OF FENCING/GATE LOCATIONS NEEDING MODIFICATION: \_\_\_\_\_**

**IF APPLICABLE, PER ADDENDUM 1 - PAGE 4 - ITEM F. DRIVE UNIT ATTACHMENT,  
TOTAL COST OF FENCING/GATE LOCATION MODIFICATIONS: \$ \_\_\_\_\_**

**TOTAL BID PRICE: \$ \_\_\_\_\_**

I have carefully prepared this Bid from contact documents described above, I have full authority to make such statements and submit this Bid in (my) (its) (their) behalf, and all statements are true and correct.

\_\_\_\_\_  
(Signature) (Printed or typed)

\_\_\_\_\_  
(Address, City State, Zip)

\_\_\_\_\_  
(Telephone) (Date)

**PUMP DATA SHEET**  
Goulds Turbine 60 Hz

**Selection file:** (untitled)  
**Catalog:** TURB60.MPC v 1.6.4

**Curve:** 1161-4

**Design Point:** Flow: --- US gpm  
Head: --- ft

**Fluid: Water** Temperature: 60 °F  
SG: 1  
Viscosity: 1.122 cP  
Vapor pressure: 0.2568 psi<sub>a</sub>  
Atm pressure: 14.7 psi<sub>a</sub>

**Pump:** TURBINE - 1800 Size: 10DHLO; (9 stages)  
Speed: 1760 rpm Dia: 6.37 in

**Limits:** Temperature: --- °F Sphere size: 0.68 in  
Pressure: 325 psi<sub>g</sub> Power: --- bhp

**NPSHa:** --- ft

**Specific Speed:** Ns: 4650 Nss: ---

**Piping:** System: ---  
Suction: --- in  
Discharge: --- in

**Dimensions:** Suction: --- in Discharge: --- in

**Vertical Turbine:** Bowl Dia: 9.5 in Max Lateral: 0.75 in  
Thrust K Factor: 15.5

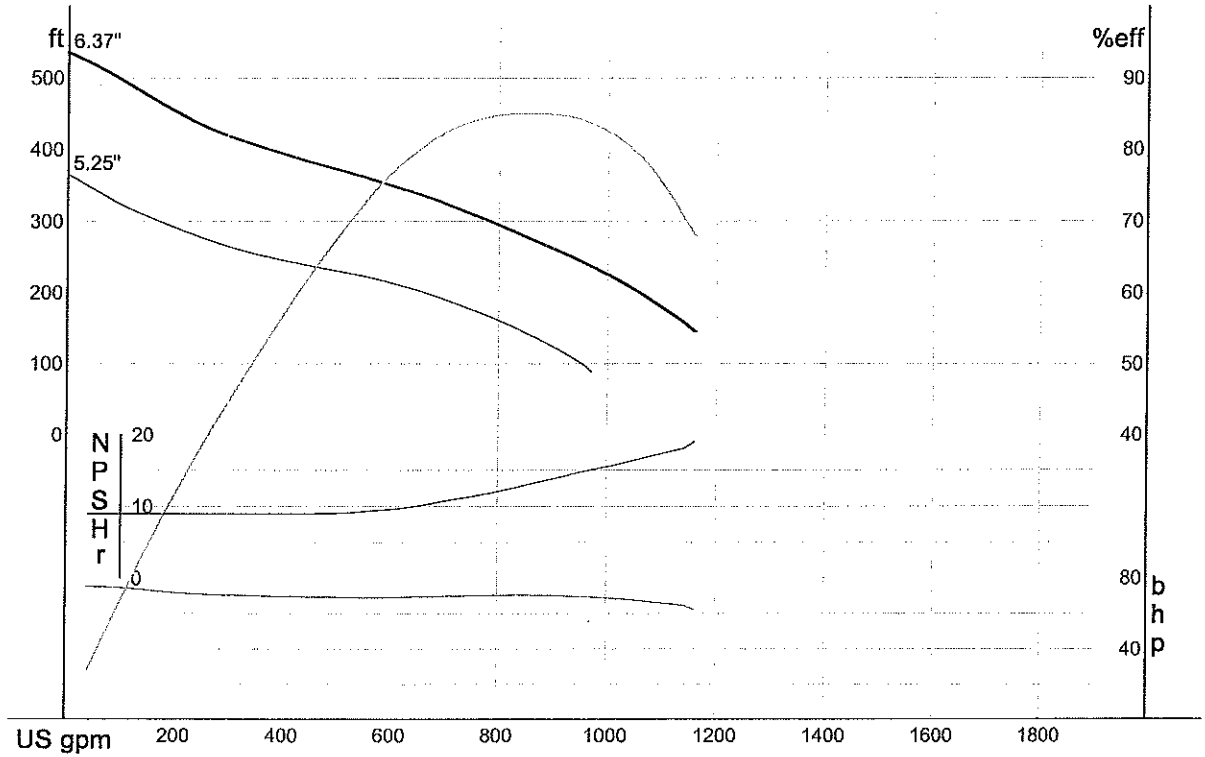
**Motor:** --- hp NEMA Standard WPI Enclosure  
no sizing criteria specified

Suction Size-8" Discharge Sizes-6",8"

---- Data Point ----  
Flow: 1000 US gpm  
Head: 225 ft  
Eff: 82.3%  
Power: 68.8 bhp  
NPSHr: 15.5 ft

-- Design Curve --  
Shutoff Head: 536 ft  
Pressure: 232 psi<sub>g</sub>  
Min Flow: - US gpm  
BEP: 85% eff  
@ 865 US gpm  
NOL Pwr: 75.3 bhp  
@ 40 US gpm

-- Max Curve --  
Max Pwr: 75.3 bhp  
@ 40 US gpm



--- PERFORMANCE EVALUATION ---

Flow	Speed	Head	Pump	Power	NPSHr	Motor	Motor	Hrs/yr	Cost
US gpm	rpm	ft	%eff	bhp	ft	%eff	hp		/kW
1114	1760	171	73.5	65.5	17.6				
928	1760	252	84.3	69.7	14.3				
742	1760	313	83.6	70	11.3				
557	1760	359	73.2	69	9.34				
371	1760	400	53.5	69.9	9				

**PUMP DATA SHEET**  
Goulds Turbine 60 Hz

**Selection file:** (untitled)  
**Catalog:** TURB60.MPC v 1.6.4

**Curve:** 1161-4

**Design Point:** Flow: --- US gpm  
Head: --- ft

**Fluid:** Water  
Temperature: 60 °F  
SG: 1  
Viscosity: 1.122 cP  
Vapor pressure: 0.2568 psi<sub>a</sub>  
Atm pressure: 14.7 psi<sub>a</sub>

**Pump:** TURBINE - 1800  
Speed: 1760 rpm  
Size: 10DHLO; (9 stages)  
Dia: 6.37 in

**Limits:** Temperature: --- °F  
Pressure: 325 psi<sub>g</sub>  
Sphere size: 0.68 in  
Power: --- bhp

**NPSHa:** --- ft

**Specific Speed:** Ns: 4650  
Nss: ---

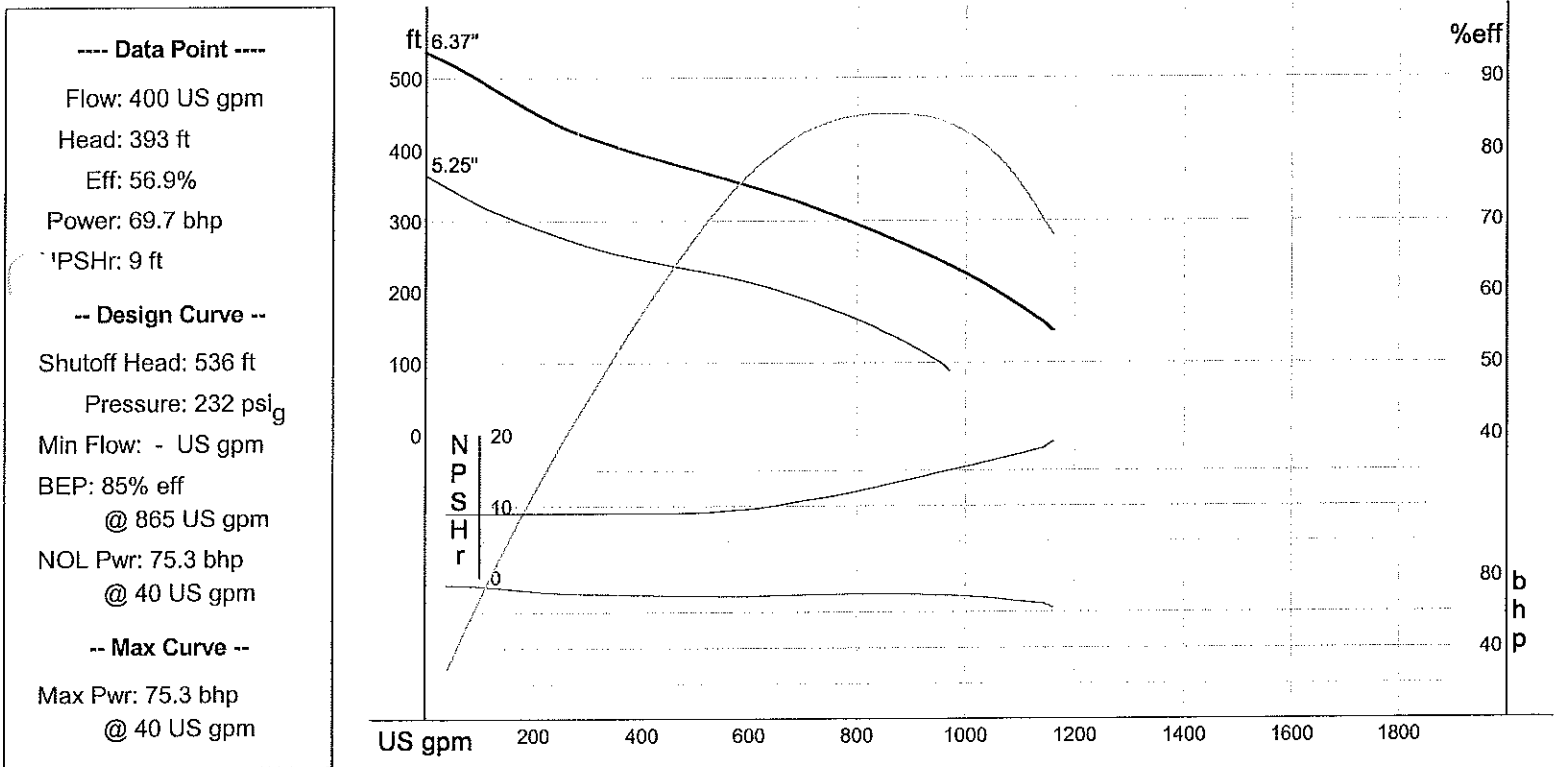
**Piping:** System: ---  
Suction: --- in  
Discharge: --- in

**Dimensions:** Suction: --- in  
Discharge: --- in

**Vertical Turbine:** Bowl Dia: 9.5 in  
Max Lateral: 0.75 in  
Thrust K Factor: 15.5

**Motor:** --- hp  
NEMA Standard  
WPI Enclosure  
no sizing criteria specified

Suction Size-8" Discharge Sizes-6",8"



**--- PERFORMANCE EVALUATION ---**

Flow	Speed	Head	Pump	Power	NPSHr	Motor	Motor	Hrs/yr	Cost
US gpm	rpm	ft	%eff	bhp	ft	%eff	hp		/kW
1114	1760	171	73.5	65.5	17.6				
928	1760	252	84.3	69.7	14.3				
742	1760	313	83.6	70	11.3				
557	1760	359	73.2	69	9.34				
371	1760	400	53.5	69.9	9				