

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LIMITED
PATNA DAIRY PROJECT

Feeder Balancing Dairy Complex, Phulwarisharif, Patna-801505

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Email Id.- vpmu.pur@gmail.com

PDP:PUR:CFF: 1780

DATE- 29.05.2025

Dear Sir,

We are interested in purchasing of the following items. In case you can supply the same, you may send your quotation in sealed cover addressed to the Managing Director address given above superscribing on the top of the envelop quotation for item to **SUPPLY, INSTALLATION AND COMMISSIONING OF WATER FLOW METER WITH TELEMTRY SYSTEM & PIEZOMETER AT CATTLE FEED PLANT, JAGDEO PATH, PATNA** as to reach as on or before **16.06.2025**.

All rates must be F.O.R CFF, Patna on door delivery basis. (PR. No. 2300001948 dt. 26.05.2025)

S.No.	Item	Specification	Quantity
1	SUPPLY, INSTALLATION AND COMMISSIONING OF WATER FLOW METER WITH TELEMTRY SYSTEM & PIEZOMETER AT CATTLE FEED PLANT, JAGDEO PATH, PATNA (AS PER ENCLOSED SHEET)	T.S AS PER ENCLOSED ATTACHMENT ANNEXURE – 01, 01(A) & 01(B)	DETAILS ATTACHED AS ENCLOSED SHEET

Thanking You

Yours faithfully


Dy. Manager(MM)



VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD.

UNIT: VPMU
PATNA, 800013, Bihar
PHONE: MOBILE : +919037290470
EMAIL :
GSTIN : 10AAAAV8463B1ZV



बादा शुद्धता का

PURCHASE REQUEST

Doc Number	2300001948
Doc Date	26.05.2025
Status	APPROVE

Plant: 2100 VPMU – PROCESSING PLANT

Requester Name : Rohit Kr.

Department Name : FBD, Engineering

Last Received Details

SI No.	Item Code	Material Description	Uom	In Stock	Reqd. Qty	Estimated value	Deliv. date	Last PO	Last PO Date	Last PO Qty	Last PO Rate
1	8245143	Piezometer with Telemetry System	NO	0	1	0.00	10.06.2025		00.00.0000	0	
2	8245144	Dig.type electromag flowmtr w/h tely sym	NO	0	1	0.00	10.06.2025		00.00.0000	0	
3	8245146	Borewell Digging Wok	NO	0	1	0.00	10.06.2025		00.00.0000	0	

Remarks :-

purchase requisition for complete job of installation of piezometer with

telemetry system, Tamper proof digital type electromagnetic water flow

meter (4-20 mA or RS-4850 output) with telemetry system and digging of

borewell urgently required as per CGWA guidelines at CFF, Plant

jagdeopath.

Technical details attached as: Annexure-I, Annexure-I (A) <(>&<)>

Annexure-I (B).

SI No	Item Code	Description
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Annexure-01

Technical Specification of Digital water level recorder (DWLR) or Piezometer with Telemetry System.

Qty. required: - 01 set

MAKE: - E&E Solution/ UPC/ Aquadex

(1.0) Functional Requirement:-

It is required for water level recording digitally at cattle feed plant, Jagdeopath and transmitting the same to central ground water authority, GOI. It should be of durable rugged design, factory calibrated sensor and be complete with all required accessories like data logger, internal power memory to measure water level, temperature & atmospheric pressure through integral GPRS/GSM.

(2.0) Technical specification and scope of supply of various components of Piezometer with telemetry system:-

Sl. No.	Description	Specifications
1	Accuracy:	0.25%F.S
2	Current consumption:	5 mA
3	Wetted Material:	17-4PH or 316 L Stainless Steel Port, 316L Stainless Steel Snubber Vibration: $\pm 20g$, MIL-STD-810C
4	Dielectric strength:	2 mA @ 500VAC, 1min
5	Display:	16x2 LCD display (Min.)
6	Data Output:	Microsoft Excel format, word format / CSV Format.
7	Memory Storage:	8 GB storage (Min.)
8	Clock:	Real time internal clock
9	Power Adapter output:	12V, 1ADC free server connectivity
10	Data Downloading:	Data should be easily imported in online or offline mode. Downloaded data should be shown in both graphical & tabular form. Data should be transferred at every 1 (One) hour interval. Data should be copied to cloud storage/ SD storage.
11	Cable Length :	50 m or as per requirement


(3.0) Scope of supply:

- Complete unit of Piezometer with telemetry system as specified above.

(4.0) WDMS charge for one year right from the date of final commissioning of the system shall be in the supplier's scope.

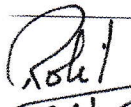
(5.0) Installation & Commissioning of the system.

Installation, Testing & Commissioning of the DWLR (Piezometer) to our full satisfaction including full satisfaction of central ground water authority (CGWA) shall be in scope of supplier.


26/05/25
Manager (Engg.)

Annexure-01 (A)

B.	Technical specifications of tamper proof digital type electromagnetic water flow meter (4-20 mA or RS-4850 output) with telemetry system: - 01 set	
B.1	<u>Electromagnetic water flow meter (4-20 mA or RS-4850 output)- 01 set</u>	
B.2	<u>Make: MAKE: - E&E Solution/ UPC/ Aquadex</u>	
Sl. No.	Description	Specifications
1	Size:	2 inch (50 mm)
2	PTFE Lining	
3	Power:	230VAC/24VDC
4	Internal flange:	17000/- 01 17000/- 2.
5	RTU Unit:	4-20 MA or RS485 Output GSM or Wi-Fi Based
B.2	<u>Telemetry System</u>	
1.	SIM:	Cards small form factor
2.	Quad:	band 850/900/1800/1900MHz
3.	GSM:	CSD Circuit Switched Data
<u>Other required features:</u>		
4.	GPRS	
5.	Sensor excitation voltage Programmable	
6.	Stabilized voltage, programmable from -3.3V	
7.	permanent connection scheduled connection, from 1 x per minute to 1 x per day	
8.	Antenna Omni directional, vertical, TNC jack, +3dBi PCB type	
9.	Micro controller based	
10.	Small volume easily embedded to other products.	
11.	Power required 12volt 2 amp (adaptor is provided along system for converting single-phase 220 to 12-volt DC)	
12.	PC interface	
13.	Easy to install	


 26/10/25
 Manager (Engg)

Annexure-01 (B)

C.	Scope of work for digging of bore well		
Quantity Required-01 Job			
Sl.No.	Description of works / Supply of materials for bore well	Qty. required	Remarks
1	Labour for drilling bore well of total depth of 225 feet from ground level complete with all labour & drilling equipments. Out of 225 feet, 185 feet boring will be of suitable diameter so that 2 inch dia PVC pipe could be inserted and rest 40 feet shall be of suitable dia so that 4 inch dia MS pipe could be inserted.	225 feet from ground level.	Bore well shall be of 2" X 4".
2	Labour charge for inserting PVC & MS Pipes in bore well of-size 4" X 2"	One complete job	After connecting 4" dia Ms pipe with 2" dia PVC pipe with proper reducer.
3	Supplying PVC pipe of 2" diameter and proper thickness	185 feet	Any standard company make
4	Supplying MS "C" class pipe of 4" diameter of proper thickness	40 feet	TATA/ JINDAL make
5	Supplying MS/ PVC reducer of 4 inch X 2 inch diameter so that PVC pipe & MS pipe could be connected together.	One set	Any standard company make
6	Any other required work which is not indicated above but required for proper functioning of the system.		May like to quote

Manager (Engg.)