





**VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD**  
**PATNA DAIRY PROJECT**

**Feeder Balancing Dairy Complex, Phulwarisharif, Patna - 801505**

**Phone 0612-2252553,2252542, 2251622, Fax 2250325**

**E.mail:vpmunin@gmail.com**

**COST OF OFFER DOCUMENT Rs. 1000/- (One thousand Only)**

(To be Submitted in form of DD in favour of Vaishal Patliputra Dugdh Utpadak Sahakari Sangh Ltd. Payable at Patna.)

**OFFER DOCUMENT**

Vaishal Patliputra Dugdh Utpadak Sahakari Sangh Ltd. (VPMU) invites offers from reputed Consultants/Firms well experienced in giving consultancy for Effluent Treatment in Dairy Industry.

**Objective & Purpose :**

To suggest the smooth functioning of our 2.5 LLPD Dairy Effluent Treatment Plant located at Patna , Bihar & to obtain discharge as per norms laid down by Central Pollution Control Board/Bihar State Pollution Control Board.

**Procedures for submission of EOI :**

The interested Consultant/ Firms may submit their offer in sealed or covered envelope superscribed as “ Offer for Consultancy Services “ on or before 25<sup>th</sup> July 2015 by 05.00 PM.However if the last day is designated as holiday the tender may be received on the next day.

The Tender will be opened on 27<sup>th</sup> July 2015 at 11.00 AM in the meeting hall of VPMU in presence of interested representatives of the tenderer , who wish to be present.

**Eligibility Criteria**

**1.The bidder should have experience of handling three years effluent treatment assignment of similar capacity effluent treatment plant (photocopy of the work order to be enclosed)**

**2. Following documents to be enclosed with the bid.**

- (a) Photograph .. 2 Nos (self attested) for individual/ Article of Memorandum for Firm**
- (b) Address Proof - (Xerox)**
- (c) PAN No. (Xerox)**
- (d) CST No. (Xerox)**
- (e) TIN No./VAT No. - (Xerox)**
- (f) Service Tax Regn. No. - (Xerox)**
- (g) Income Tax Return - Last two years**

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## **Details to be Incorporated**

Photographs

1	NAME	
2	Mobile No.	
3	Self Attested Photograph	
4	(a)Address	
	(b)Pin Code	
5	(a)Identity Proof (Xerox)	
	(b)Address Proof (Xerox)	
	©PANCard (Xerox)	
	(d)VAT No./TIN No.	
	(e) CST No. (Xerox)	
	(f)Service Tax Registration Xerox)	
6	Last Two Years Return	
7	Earnest Money Deposit	
8	Any Other Document	

Signature \_\_\_\_\_

Date \_\_\_\_\_

Place \_\_\_\_\_

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**Earnest Money Deposit :**

**EMD should be 2 % of the total bid value (Consultancy charges + Project cost) .**

**Security Deposit :**

**Security Deposit should be 10 % of the total bid value (Consultancy charges + Project cost) , which may be submitted in the form Bank Guaranty of any Nationalised Bank . by the successful bidder**

- a. The bidder shall have to meet the following minimum financial eligibility criteria.  
E M D Is to be deposited with the Bid.
  - i. Any tender, which is not accompanied by the Earnest Money Deposit as mentioned above shall be rejected. The Earnest Money of unsuccessful tenderer shall be returned after finalizing the contracts (maximum within 60 days) but without any interest on it.  
  
However, the Earnest Money Deposit of the successful tenderer shall be retained as Security Deposit. In the event of withdrawing the offer before the expiry of the validity period, the Earnest Money retained as the Security Deposit will be forfeited.
  - ii. No interest shall be paid on the Earnest Money/Security Deposit for the entire period during which it is retained by us.
  - iii. The tenderer shall state his completed address in the tenders to which the work orders, notice and further correspondence pertaining to the tenders and agreements shall be sent. Any change of address subsequently shall also be notified in writing to the VPMU, Feeder Balancing Dairy Complex , Phulwarisharif , Patna -801 505..
- b. **Security Deposit**

The Earnest Money Deposit (EMD) of successful tenderer selected for Consultancy work will be converted as Security Deposit. The Security Deposit shall continue to remain with VPMU till the work order will be completed satisfactorily and this amount shall not bear any interest, during the period, which it is kept as deposit with VPMU.

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c. In case of mathematical errors in computations found in tenders and in case of substantial non-conformity with the specifications or if it contains any inadmissible reservations seen or otherwise, in contravention to the letter of the tender documents, such tender shall be summarily rejected.

d. **Prices**

i. The prices bid shall be quoted in two segments (Consultancy charges & percentage of the Project Cost) on F.O.R. Patna ,Bihar basis .

ii. The break-up of cost shall be necessarily given clearly. It should indicate estimation , suggested project cost ,consultancy charges etc. & Taxes (indication of different type of Taxes should be bifurcated separately). Total cost parameter wise shall also be reflected.

iii. Rate shall be quoted in figures as well as words

f. **Scope of Work & terms & condition :**

1.0 CONSULTANT'S SERVICES - Scope of works

1.1 The Consultant shall study the existing ETP and prepare a detailed report including justification and design/working calculation and submit the following to VPMU.

1.2 Study of existing ETP and workout capacity and raw effluent characteristics (average and peak) being encountered by the existing plant for a minimum period of 7 days by taking actual measurements at site and study of last one year records available with VPMU.

1.3 Study of product mix planned for Patna Dairy Project, present and projected water consumption for the plant and workout estimated quantum of total effluent generated and raw effluent characteristics (average and peak) for combined ETP.

1.4 Work out the detailed scheme and cost estimate including the cost of pipe line for carrying the effluent from the modified ETP for treating the entire effluent of the existing as well as proposed milk processing and product manufacturing facilities with present existing ETP after suitably augmenting it.

1.5 To make a presentation on above (mentioned at 1.4 or any other techno – commercially viable scheme of treatment for effluent to VPMU.

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- 1.6 Based on scheme and agreement to the proposed estimated cost, finalized during presentation on draft paper, the final report shall be prepared and submitted by the Consultant to VPMU.
- 1.7 Based on the scheme finalized, the Consultant shall prepare detailed design for carrying out effluent from dairy plant site to treatment site/location, process flow for the treatment, hydraulics, different units, equipment (including capacity, rating etc & three reputed comparable makes), piping & valve schedule (indicating size, MOC) including electrical controls & systems. The consultant shall also analyse and design the reinforced concrete and steel structures and other units & equipment using the latest technology and latest relevant IS codes. The design of the structures shall be earthquake resistant pursuant to relevant zones and as per the provision of IS codes. A confirmation to the effect should be furnished by the Consultant on the drawings.
- 1.8 The Consultant shall prepare the schedule of quantities in consultation with VPMU of all the items including new/deviated items, for arriving at the cost estimates to be incorporated in the tenders, for which no additional fee shall be paid.
- 1.9 The Consultant shall work out and inform the appropriate quantities of steel and cement required in the structural elements.
- 1.10 Provide occasional site supervision during construction, as and when required and mutually decided. On completion of such supervision, the Consultant shall submit a report on the observations made and recommendations suggested.
- 1.11 The Consultant shall also be responsible for preparation and furnishing working drawings in respect of electrification of ETP.
- 1.12 The Consultant shall prepare and supply the following for consultancy services rendered :
  - a) four sets (hard copy) of complete working/execution drawings prepared on AUTOCAD & a softy copy of the same in PDF (on CD) giving full details which are necessary for the proper execution of the works.
  - b) Two sets of final completion (as executed) drawings (hard copy) prepared on AUTOCAD, incorporating changes effected in actual execution & a softy copy of the same (on CD) in PDF.
- 1.13 It shall be the responsibility of consultant to run the ETP for a period of 3 months after completion of ETP works to show the performance. The operational charges for the 3 months will be decided mutually between the consultant and the VPMU. The operation for 3 months for the performance confirmation will be done by the consultant and charges will be paid by VPMU.
- 1.14 If the consultant is caused extra drawing and design work or put to other expenses due to changes ordered by the VPMU or due to the delinquency or insolvency of the contractor or as a

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result of damage by fire or natural calamity or for any reasons whatsoever without their fault, they shall be equitably paid for such expenses and services involved, at the discretion of VPMU.

However, minor corrections may not be charged for by the consultant.

- 1.15 The consultant will be prepared the detailed specification for the mechanical electrical and piping works. For the mechanical equipment the VPMU will invite the detailed quotations and the consultant will assist the VPMU for supervision during erection.
- 1.16 For the electrical and piping works, the detailed specifications will be given to the union and the VPMU will invite quotations. The consultant will assist the VPMU in evaluating the same and placing the order on the vendors.
- 1.17 The parameters for State Pollution Control Board is attached in AnnexureI.

**g. Placement of order & payment terms**

- i. Order may be distributed to more than one party on approval rate for different parameters.
- ii. You will have to place your bill within 7<sup>th</sup> of the next month and the payment will be done within 15 days of certification of bill by Manager,Dairy.
- iii. Canvassing in any form or manner shall lead to disqualification of the bidder.

**h. Delivery period :**

Delivery period as indicated in work order should be for one year and may be extended further on mutual consent of Consultant & VPMU.

**i. Sub-contract**

Sub-contracting of order in part/full to any other party/supplier shall not be allowed. Parties, sub-contracting the supplies may be black listed.

**j. Validity**

The offer (rate so finalized) shall be valid for one year from the date of contract. It may be extended on mutual consent of Consultant & VPMU for further period on same, rate, terms & conditions.



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k. **Force Majeure Clause**

The terms and conditions mutually agreed upon shall be subject to Force Majeure clause. Neither the Consultant nor VPMU shall be considered in default in performance of its obligations hereunder, if such performance is prevented or delayed by war, hostilities, revolution, civil commotion, strike, epidemic, accident, fire, wind, flood, earth quake or because of any law proclamation, regulation or ordinance of any Government or of any act of God or of any other cause whether of similar or dissimilar nature, beyond the reasonable control of the party affected. Should one or both the parties be prevented from fulfilling his/their obligations by a state of Force Majeure lasting continuously for a period of six months, the two parties shall consult each other regarding the future execution of the work orders.

l. **Risk Purchase**

In case of failure to execute the work as per schedule, the order may be cancelled. VPMU may go for hiring another Consultant at the risk and cost of Consultant. The additional amount so spent shall be recovered from the pending bill or security deposit of the Consultant/Firm.

Managing Director, VPMU reserves the right to accept or reject any or all tenders without assigning any reasons thereof.

m. **Arbitration**

If any dispute or differences arise at any time between the two parties in respect of or concerning anything herein contained or arising out of the agreement or as to the rights, liabilities or duties of supplier and milk Dairies, the same shall be referred to the sole Arbitrator the Managing Director, VPMU, Patna. The decision of the Arbitrator shall be final and binding on the parties.

n. For all legal matters and disputes Patna court shall be our jurisdiction. Managing Director, VPMU will be the sole arbitrator and his / her decision will be binding on both parties. Any money found recoverable shall be recovered under the Public Demand Recovery Act.

I/We accept the terms and conditions.

**Signature of the party with  
Office stamp**

Sl. No.	Industry	Parameter	Standards	
1	2	3	4	
56.	DAIRY	<b>EFFLUENTS</b>	Concentration in mg/l except pH	Quantum per product processed
		pH	6.5 - 8.5	-
		*BOD <sup>2</sup> [3 days at 27°C]	100	-
		** Suspended Solids	150	-
		Oil and Grease	10	-
		Waste Water generation	-	3m <sup>3</sup> /kl of milk
57.	TANNERIES	<b>EFFLUENTS</b>	Concentration in mg/l except pH	Quantum per raw hide processed
		pH	6.5 - 9.0	-
		*BOD <sup>2</sup> [3 days at 27°C]	100	-
		Suspended Solids	100	-
		Sulphides (as S)	1	-
		Tototal Chromium (as Cr)	2	-
		Oil and Grease	10	-
		Waste Water generation	-	28 m <sup>3</sup> /l

Note : \*BOD may be made stringent upto 30 mg/l if the recipient fresh water body is a source for drinking water supply. BOD shall be upto 350 mg/l for the chilling plant effluent for applying on land provided the land is designed and operated as a secondary treatment system with suitable monitoring facilities. The drainage water from the land after secondary treatment has to satisfy a limit of 30 mg/l of BOD and 10 mg/l of nitrate expressed as  $\text{N}^3$ . The net addition to the groundwater quality should not be more than 3 mg/l of BOD and 3 mg/l of nitrate expressed as  $\text{N}^3$ . This limit for applying on land is allowed subject to the availability of adequate land for discharge under the control of industry. BOD value is relaxable upto 350 mg/l, provided the wastewater is discharged into a town sewer leading to secondary treatment of the sewage.

\*\* Suspended solids limit is relaxable upto 450 mg/l, provided the wastewater is discharged into town sewer leading to secondary treatment of the sewage.

\* For effluent discharge into inland surface waters BOD limit shall be made stricter to 30 mg/l by the concerned State Pollution Control Board.

Sl. No. 56 to 61 and entries relating thereto inserted vide G.S.R. 475(E) dated 5.5.92 published in the Gazette No. 202 dated 5.5.92.

Substituted by Rule 2 of the Environment (Protection) Amendment Rules, 1996 notified by G.S.R. 136(E), dated 2.4.1996 may be read as BOD (3 days at 27°C) wherever BOD (5 days 20°C) occurred.

AGM (P.U.F.) PL  
9/4/12