



AMULFED DAIRY

A Unit of Gujarat Co-operative Milk Marketing Federation Limited

Inquiry for Consultancy Contract

AFD: PUR: ENQ: 2020: 26

19.02.2020

Sub. : Inquiry for appointment as internal environmental auditor for monitoring & Consultancy.

Dear Sir,

We would like to appoint an Internal Environmental Auditor for monitoring of Stack, Effluent, Ambient Air and Solid Waste analysis on monthly basis, for the period of one year, as per Water Act 1974 & as per consent order of GPCB to our both plant as mention below.

1. **AmulFed Dairy** (A Unit of GCMMF Limited.),
Plot No. - 35, Near Indira Bridge,
Ahmedabad - Gandhinagar Highway,
Village: Bhat, Dist.: Gandhinagar.
2. **Packaging film Project (PFP)**
Sector -25, Electronics GIDC,
Opp- Madhur Dairy,
Gandhinagar.

We invite your most competitive offer on the following terms & conditions:

1. You are requested to send us an offer considering the specification as mentioned in the ANNEXURE - 1 & 2 attached herewith.
2. You are requested to send us an offer with rate filled in Annexure – 3.
3. Your offer should reach, AMULFED DAIRY (A Unit of GCMMF Limited.),
Plot No. - 35, Near Indira Bridge, Ahmedabad - Gandhinagar Highway,
Village: Bhat, Dist.: Gandhinagar. Pin No.382 428.
4. **Due Date: 29th Feb 2020.** Offer received after due date for whatsoever reason may be rejected.
5. The offer should be sent in sealed cover super scribing on the top left hand corner offer for inquiry no. AFD: PUR: ENQ: 2019: 13.
6. Rates mentioned should be valid for one year. Rates for the sampling will remain fixed for the contract period irrespective of no. of samples.
7. It is not binding on us to accept lowest offer. Right to reject any or all the offers without assigning any reason is reserved by AmulFed Dairy.
8. Offer which are incomplete or not meeting the conditions or only for part items, are liable for rejections.
9. We would prefer payment term: within 30 days.
10. Your offer should be sent in our format, through Post or Courier & not by Fax or personally.



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11. Sampling Schedule: As per instruction of concerned ETP In-charge/ monthly basis.
12. You should be a recognized auditor of Gujarat Pollution Control Board approved list & photocopy of the approval letter of GPCB should be enclosed along with your offer.
“Your offer is liable for rejection without GPCB’s approval letter”.

Thanking You,

Yours truly,
For AmulFed Dairy

Purchase Department

Annexure - 1

SCOPE OF WORKS OF AFD SAMPLING

As per GPCB Norms, Sample Collection & Analysis of Results Carried Out every month's from AFD (Amul Fed Dairy) Bhat & Analysis Reports Hard copy required to send every month's at AFD for submitting at GPCB at end of AFD not to send direct at GPCB, Gandhinagar.

(1) Pet Plant Scrubber Air Analysis Parameters :-

Measurement of One Parameter of Acetic Acid in mg/Ncumts.

(2) Effluent Sample Collection & Analysis Parameters:-

Sr. No.	Parameters	Units
1	pH	pH unit
2	Temperature	*C
3	TDS	mg/Lit
4	TSS	mg/Lit
5	Chloride	mg/Lit
6	COD	mg/Lit
7	BOD	mg/Lit
8	Oil & Grease	mg/Lit
9	Ammonical Nitrogen	mg/Lit
10	Sulphates	mg/Lit
11	Sodium Absorption Ratio	

(3) Ambient Air Sampling Analysis Parameters :-

Sr. No.	Parameters	Units
1	Particulate Matter PM 2.5	,ug/Cumts
2	Particulate Matter PM 10	,ug/Cumts
3	Oxides of Sulphur SO ₂	,ug/Cumts
4	Oxides of Nitrogen NO _x	,ug/Cumts

(4) Noise Level Monitoring Parameters:-

Sr. No.	Name of Location	Day Time	Night Time	Units
1	Here 29 nos Location in Dairy			

(5) Solid Waste (ETP Sludge) Analysis Parameters :-

Sr. No.	Parameters	Units
1	pH	pH Units
2	Total Alkalinity as CaCO ₃	PPM
3	Total Acidity as CaCO ₃	PPM
4	Chloride	Mg/Lit

5	Chemical Oxygen Demand (COD)	Mg/Lit
6	Biological Oxygen Demand (BOD)	Mg/Lit
7	Organic Matter	%
8	Inorganic Matter	%

(6) Stacks Emission Collection & Analysis Parameters :-

Sr. No.	Parameters	Units
1	Particulate Matter PM 2.5	,ug/Cumts
2	Particulate Matter PM 10	,ug/Cumts
3	Oxides of Sulphur SO ₂	,ug/Cumts
4	Oxides of Nitrogen NO _x	,ug/Cumts

(7) Stacks of Process Emission Collection & Analysis Parameters :-

Sr. No.	Parameters	Units
1	Particulate Matter PM 2.5	,ug/Cumts

Note:- During preparing analysis report, where one GPCB Norms column add.

Description Of sampling Scope of Works.

- 1) Two Places Ambient Samples collection & analysis (Near Main Gate or Time Office, Near New Boiler plant Area).
- 2) All stacks samples collection & Analysis.
 - A) Steam Boiler Stacks of Boiler Plants
Where, Boiler 10 TPH Stack Height 35 Mts & 12 Mts (Total Stack=02nos)
Boiler 12 TPH 35 Mts & 15 Mts (Total Stacks=02nos)
Boiler (15 TPHx3nos) where stack Height 35 & 12 Mts. (Total Stacks=03nos)
 - B) Air Heater New Powder Plant (100 MT) Stack Height 36 Mts.(Total stacks=01 nos).
 - C) Waste Heat Recovery Boiler Stack Height 30 Mts.(Total Stacks = 02 nos).
 - D) Old Powder Plant (60 MT), New Powder Plant (100 MT) & Mega Powder Plant (150 MT) Spray Dryer /Process stacks Stack Height 35, 36 & 42 Mts respective
(Total stacks=03 nos).
- 3) Para Acetic Acid Fumes Scrubber Height 15 Mts , Two Stacks
(Where Measured Concentration of Acetic Acid)
- 4) ETP Dry Sludge (Aerobic Sludge) sample collection & Analysis (one Sample).
Analysis Following parameters 1) pH,2) Total Acidity 3) Total Alkalinity 4) Chloride, 5) COD, 6) BOD 7) Organic Matter 8) Inorganic Matter etc.
- 5) Noise level measurement in Dairy all plants Day & Night Hours. (Including all production units & utilities etc.).
Sound (Noise Level at 30 points in Dairy)
- 6) Old ETP Effluent sample analysis of Raw Effluent, Final Treated Effluent, Clarifier-I outlet sample & Clarifier -II outlet sample etc. (total-04 nos) Sample Analysis as per GPCB Parameters.
 - 1) pH, (2) Temperature (3) Colour (pt co. scale) in units. (4) Suspended Solids (5) Oil & Grease (6) Ammonical Nitrogen (7) BOD, (8) COD, (9) TDS, (10) Chlorides (11) Sulphates (12) Sodium Absorption Ration (13) TDS.
- 7) New ETP Cap. 1000 KLD samples of DAF outlet, IC Reactor Outlet & MBR outlet samples etc.

- 1) pH, (2) Temperature (3) Colour (pt co. scale) in units. (4) Suspended Solids (5) Oil & Grease (6) Ammonical Nitrogen (7) BOD, (8) COD, (9) TDS, (10) Chlorides (11) Sulphates (12) Sodium Absorption Ration (13) TDS.

(ALSO mention GPCB Limits of all Parameters in Reports).

- (1) For Process Stacks only SPM Parameters,
- (2) For Boiler & Air Heater Stacks Analysis of SPM PM <2.5micron & PM <10 Micron, SO₂ & NO_x)

Note: Sample Collection & Analysis Report submit every month's & party should be approved by GPCB approval List for analysis & who will do Env. Audit that party could not do Analysis part)

Annexure - 2

SCOPE OF WORKS OF PFP SAMPLING

Actual measurement require for all.

1. Total VOC analysis for exhaust of CI machine (Stack) and at Shop floor area of printing department. (From no 37).
2. Noise measurement for Day and night time as per locations.
3. DG set stack measurement. (PM 10, PM 2.5, SO_x, NO_x etc) – 24 hours average and yearly avg.
4. Ambient Air monitoring at two location. (PM 10, PM 2.5, SO_x, NO_x) – 24 hrs average and yearly average.

Note: Require GPCB approved agency and needs to send us all calibration certificates of measuring instruments which are used for above sampling. Measuring instruments detail and sampling method IS standard need to written in certificates.

Annexure - 3

Sr. No.	Item Description	Sampling Points	Frequency in year	Total	Unit	Basic (Rs.)	GST(%)
AFD - Sampling							
1	Stack Analysis (Flue Gas)	13	12	156	No.		
2	Ambient Air Analysis	2	12	24	No.		
3	Effluent Sampling (old ETP).	4	12	48	No.		
4	Effluent Sampling (New ETP).	4	12	48	No.		
5	Solid Waste	1	12	12	No.		
6	Noise Level Measurement	30	12	360	No.		
7	Para Acetic Acid Fumes Scrubber	2	4	8	No.		
PFP - Sampling							
1	Stack Analysis (Flue Gas) (PFP)	1	4	4	No.		
2	Ambient Air Analysis (PFP)	3	4	12	No.		
3	Noise Level Measurement (PFP)	14	4	56	No.		
4	Total VOC (PFP)	3	4	12	No.		
* Final Sampling Schedule: As per instruction of concerned ETP In-charge/ monthly only							
* No extra visiting charge and loading boarding will be given							
*Rate must be inclusive of all transportation, visiting and boarding							
*Monitoring Scope as per attached PDF file							