



तिरहुत दुग्ध उत्पादक सहकारी संघ लिमिटेड, मुजफ्फरपुर
TIRHUT DUGDH UTPADAK SAHKARI SANGH LTD., MUZAFFAPUR

AN ISO 9001:2008 & HACCP SYSTEM CERTIFIED ORGANISATION



TIMUL: Engg: 1247

Email/Courier

Date: 28.06.2018

1. WOG Technologies (P) Ltd
E- 5, Agarwal metro Heights
Unit – 752 . Netaji Subhash Place
Pitampura New Delhi – 110034
Email : info@woggroup.com Phone –11– 46300300
2. M/s Hydro care systems India (P) Ltd
B- 402, Balajee Tower, phase – 4
Sector – 2 , vidhyadhar Nagar, Jaipur Rajsthan
Email :- hydrocaressystem@gmail.com
Phone – 09414113029/09472163001
3. M/s Randhawa Brosons Enterprises
1207 sector 18c, Chandigarh – 160018
Phone – 9463390433
Email: gull0051@gmail.com
4. M/s Indo chemical & Engg group
Plot No. – 36, Industrial Estate
Samastipur – 848101
Phone – 06274-223786
5. MM Enviro Project
Akansha Arcade, KOK college Road
Nandanvan, Nagpur, Maharastra – 440009
Phone – 07122714960
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6. URIEL Keepattu Puthan
Purayll, Ala P.O.
Chengannur – 689126
Ph. – 0479 – 2458556
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Sub: - Quotation for modification and upgradation of Effluent treatment Plant of
Muzaffarpur Dairy, Muzaffarpur.

Sir,

You are requested to send your lowest rate for modification and upgradation of our present Effluent Treatment Plant at Muzaffarpur Dairy, Muzaffarpur. The scope of work, scope of supply, techno commercial terms and conditions etc are given below:-

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ISO 9001:2008

- 1. Scope of work:-** TIMUL Muzaffarpur has existing ETP plant under fully operational condition. The existing plant includes collection tank, Fat removal tank, Aeration tank, settling tank, discharge tank and sludge bed. The size of collection tank is 3.0mx3.90m, Fat removal tank is 26.1mx13.8mx4.20m, Aeration tank is 18.0mx18.0mx3.90m sediment tank is 6.0m x 6.0m x 5.2m & discharge tank is 7.60mx3.0m x3.90meter.

Bidders should convert fat removal tank into two parts. One portion of size 11.40mx2.40mx4.20m will be used as fat removal tank where as another tank will be developed as anaerobic bio – reactor. The Bidder should develop existing Aeration tank into Aerobic bio reactor Height of sedimentation tank is to be increased by 1'6". Launder to be made all the side. Drum settler of Dimension 1500 mm x 2000 mm is to be installed in settling tank. Discharge tank is to be converted into chlorine dosing sump. One multigrade , filter and one Activated carbon filter is to be installed. Chlorinated water will be finally passed through filters before discharge. In this way, modification and upgradation of Effluent Treatment Plant is based on principle to maximum utilization of existing civil constructions and electro mechanical equipments.

- 2. Scope of Supply:-** The supply, Installation and commissioning of following items will be under scope of Bidder.

<u>S.No.</u>	<u>Particulars</u>	<u>Quantity</u>
1.	Anaerobic Bio-culture	As per requirement
2.	Aerobic Bio- culture	-do-
3.	Drum settler (ms) for settling tank. Dimension – 1500mmx2000mm	1 Set
4.	Filter feed pump. Self priming, monoblock, 3.0 HP, RPM – 2890 make – Kirlosker.	2 Set
5.	Multigrade filter (RFP) Dimension Dia 24"x72" length, make – Penatair or equivalent with media	1 Set
6.	Activated carbon filter (RFP) complete set with media Dimension – Dia -24"xlength -72" make – Penatair or equivalent	1 Set

Besides supply, Installation, & commissioning of above items, Bidders should execute designing, engineering and supervision.

- 3. Scope of work of Tirhut Milk Union:-**

- All civil work Design and drawing will be provided by Bidder. This includes partition of existing oil skimmer tank for development of Fat, oil and grease tank. This will contain two walls at a distance of 4' from either side of the tank which is erected from 1'6".
- Launder – A launder (drain shaped) structure to be made from all sides at the top of the wall of settling tank.

3. Foundation/Platform: the foundation and platform (8'x8'x2') shall be required to fix filter feed pump, multigrade filter and Activated carbon filter near the discharge tank.
4. Drainage and pipelines: Required for modification and up gradation of process.
5. Arrangement of consumable like cow dung/ urea / DAP / Bleaching Powder etc.

4. Parameters of design:-

<u>S.No.</u>	<u>Characteristics</u>	<u>Raw effluent</u>	<u>After treatment</u>
1.	PH	6.0 – 8.5	6.5 – 7.5
2.	BOD	1600 PPm	< 30 PPm
3.	COD	2200 PPm	< 250 PPM
4.	TSS	450 PPM	< 100 PPM
5.	Oil & Grease	NA	< 10 PPM

The Bidder should design, supply, Install and commissioned the modified system to ensure quality of treated water conforming to Bihar State Pollution Control Board norms.

5. Payment:-

1. 30.0 % Payment will be given as advance against Bank guarantee of equivalent amount from a nationalised Bank.
2. 50.0% payment along with taxes will be given within 30 days of receipt of material and quality Inspection.
3. Payment of Erection & commissioning charges along with 20% payment will be released after 90 days of final commissioning of modified ETP. The test report of treated effluent should conform to BSPCB norms when tested from a govt recognised laboratory.
6. **EMD:-** Rs. 10000/- in the form of demand draft from a nationalised bank in favour of Tirhut Dugdh Utpadak Sahkari Sangh Ltd. Payable at Muzaffarpur.
7. Warranty: The bidder should give a warranty of one year for efficient running of system.
8. Arbitration: For all legal dispute muzaffarpur court will be our jurisdiction.
9. Taxes & Duties: Bidder should quote rate along with GST on FOR basis.
10. Freight: Bidder should quote rate on FOR Muzaffarpur Dairy basis.

The last date of receipt of quotation is 14.07.2018.

Yours faithfully

[Signature]
29.06.2018
Managing Director