

**M-35011/6/2026-RD&AD
GOVERNMENT OF MIZORAM
RURAL DEVELOPMENT AND ADMINISTRATION DEPARTMENT
MIZORAM : AIZAWL**

Aizawl, the 19th October 2026

NOTIFICATION

WHEREAS, Government of Mizoram is implementing setting up of Compressed Bio-Gas (CBG) plants based on cattle dung, piggery waste, poultry waste and other bio-waste abundant in Mizoram;

WHEREAS, sustainability of CBG plants depends not only on CBG production but also on scientific utilization and value addition of by-products i.e. Fermented Organic Manure (FOM), Liquid Fermented Organic Manure (LFOM) and PROM;

WHEREAS, College of Veterinary Science & Animal Husbandry, CAU, Selesih, Mizoram is a premier institution having expertise in Animal Nutrition, Livestock Waste Management, Microbiology, Agronomy, Bio-chemistry and has established laboratories for feed, manure, soil and microbiological analysis;

WHEREAS, there is need for scientific institutional linkage for feedstock assessment, bio-methanation optimization, quality testing, and promotion of organic manure for doubling farmers' income;

NOW, THEREFORE, the Governor of Mizoram is pleased to notify creation of formal Institutional Linkage between Rural Development and Administration Department and College of Veterinary Science & Animal Husbandry, Selesih as per the following terms:

1. Objectives:

- a)** To create a Centre of Excellence (CoE) on Bio-Energy and Organic Manure at CVSc & AH, Selesih for Mizoram.
- b)** Process optimization of CBG production using locally available feedstock - cattle dung, pig dung, poultry litter, slaughterhouse waste and agro-residue.
- c)** Standardization and value addition of FOM, LFOM and PROM for different crops of Mizoram (paddy, maize, horticulture crops, oil palm).
- d)** Quality assurance, certification and branding of organic manure as per Fertilizer Control Order (FCO) norms.
- e)** Capacity building of CBG operators, SBM functionaries, Piggery Cluster members and farmers.

2. Area of operations:

1) For CBG Process Optimization:

- i)** Characterization of feedstock –Total Solids (TS), Volatile Solids (VS), C:N ratio, Bio-methanation Potential (BMP) test for Mizoram specific waste.

ii) Optimization of co-digestion ratio - Pig dung + Cattle dung + Food waste for higher methane yield.

iii) Isolation of efficient methanogenic consortia for low temperature and high altitude conditions of Mizoram.

iv) Troubleshooting -Hydrogen Sulfide (H₂S) reduction, scum formation, low gas efficiency in CBG plants.

v) DPR vetting and technical appraisal of new CBG plants.

2) For Value Addition of FOM/LFOM/ PROM:

i) Analysis and enrichment of FOM as per FCO standards (Moisture <30%, Organic Carbon >14%, NPK, C:N <20).

ii) Development of fortified FOM - blending with Rock Phosphate, Waste Mica, Bio-fertilizers (Azotobacter, PSB, KMB) to produce PROM and fortified FOM.

iii) Standardization of LFOM - concentration, stabilization, packaging, shelf-life enhancement and foliar application protocol.

iv) Formulation of crop-specific organic manure - FOM for paddy, PROM for citrus/oil palm, LFOM for vegetables.

v) Field trials and demonstration plots at College farm and selected CBG plants.

vi) Assistance in obtaining FCO certification / authorization for sale of FOM/LFOM/PROM.

3) Research, Training & Extension:

i) Joint Research Projects on GOBARdhan economy and circular economy model.

ii) Short-term Certificate Course on "CBG Plant Operation and Organic Manure Management" for rural youth.

iii) Training of Trainers (ToT) for District, Blocks and other stakeholders.

4) Roles & responsibilities:

A: Role of State Government:

i) Government of Mizoram may provide financial support for laboratory strengthening, analysis, field trials and trainings.

ii) Share data on CBG plants, feedstock availability, piggery clusters.

iii) Facilitate collection and transportation of FOM/LFOM samples

iv) Provide CBG plants as field labs for students/researchers.

v) Develop SOPs and Quality Manual for FOM/LFOM/PROM production in Mizoram.

B. Role of CVSc & AH, CAU, Selesih:

i) Designate a Nodal Officer and provide laboratory facilities for analysis.

ii) Submit quarterly Technical Reports on feedstock quality, FOM/LFOM/PROM quality, recommendations for plant optimization.

iii) Support for FCO certification through its lab as NABL accredited referral lab.

iv) Maintain confidentiality and share Intellectual Property jointly.

Sd/- R. ZARZOSANGA

**Commissioner & Secretary to the Government of Mizoram
Rural Development and Administration Department**

Memo No. M-35011/6/2026-RD&AD : Aizawl, the 19th October, 2026

Copy to:

1. PS to Minister, Rural Development and Administration Department
2. Sr PPS to Chief Secretary, Government of Mizoram
3. All Administrative Heads of Department, Mizoram
4. Municipal Commissioner, Aizawl Municipal Corporation
5. Additional Secretary, Finance Department(APF/EA/DMU/PRU), Mizoram
6. Member Secretary, Mizoram Pollution Control Board
7. All Heads of Department, Mizoram
8. All Deputy Commissioners, Mizoram
9. Chief Executive Officer, Lunglei Municipal Council
10. Dean, College of Veterinary Science & Animal Husbandry, Selesih
11. All Project Directors, DRDO, Mizoram
12. All BDOs, Mizoram
13. Website Manager for uploading in the website.

**Digitally signed by
DENNY LALCHHUANAWMA
Date: 19-10-2026
11:39:21**

**Under Secretary to the Government of Mizoram
Rural Development and Administration Department**