



Date: 01-09-2026

National Stock Exchange of India Limited

Exchange Plaza, C-1, Block G
Bandra Kurla Complex,
Bandra East, Mumbai-400051
Scrip Code: MUKKA

BSE Limited

Listing Department
Dalal Street,
Mumbai-400001
Scrip Code: 544135

Dear Sir/Madam,

Subject: Intimation of Press Release

In terms of Regulations 30 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, we enclose a copy of Press Release being issued by the Company on the following subject:

**“MUKKA PROTEINS LIMITED EXPANDS CIRCULAR BIO-ECONOMY
FOOTPRINT: SCALING BENGALURU’S WET WASTE CONVERSION INTO
HIGH-VALUE INSECT PROTEIN, OIL, COMPOST, AND HUMIC ACID”**

This is for your information and records.

Thank you,

For **Mukka Proteins Limited**

Mehaboobsab Mahmadvous Chalyal
Company Secretary & Compliance Officer
Membership No.: A67502

Encl: as above.



MUKKA PROTEINS LIMITED EXPANDS CIRCULAR BIO-ECONOMY FOOTPRINT: SCALING BENGALURU'S WET WASTE CONVERSION INTO HIGH-VALUE INSECT PROTEIN, OIL, COMPOST, AND HUMIC ACID

Mangalore, September 01, 2026: Mukka Proteins Limited (NSE: MUKKA, BSE: 544135), an Indian leader in animal nutrition and sustainable protein manufacturing, today detailed the commercial roadmap and operational capacities for converting Bengaluru's municipal wet waste into high-value bio-derivatives. The company utilizes automated Black Soldier Fly (*Hermetia illucens*) bioconversion to process urban organic waste into insect meal, lipid fractions, nutrient-rich frass compost, and humic acid bio-stimulants.

Installed Processing Capacity & Bengaluru Infrastructure

To support municipal bioremediation and industrial output, Mukka Proteins has established a modular, scalable processing footprint:

- **Processing Infrastructure:** Operates specialized bioconversion facilities with an established baseline handling capacity designed for phased scale-up to process up to **1,000 Tonnes Per Day (TPD)** of organic wet waste at peak municipal intake. Currently intake is at **200 Tonnes Per Day (TPD)**. Expected to reach **400 Tonnes Per Day (TPD)** by March 27 and gradually to **1,000 Tonnes Per Day (TPD)** by Dec 27.
- **Mass Reduction & Conversion Efficiency:** The Black Soldier Fly larval stage delivers an **80% mass reduction** of raw organic waste within a 10 to 14 days cycle, converting municipal organic loads into stabilized bio-mass.
- **Consolidated Corporate Capabilities:** Complements Mukka's wider animal nutrition manufacturing footprint (over **2,91,720 MTPA** of conventional marine protein/oil processing capacity across India and Oman), providing established global supply-chain access, automated blending, and international GMP+/export-grade certifications.

The Bengaluru Urban Waste Opportunity

Bengaluru generates over 4,000 metric tonnes of solid waste daily, of which 50% to 60% consists of biodegradable wet waste. Traditional landfill disposal creates severe methane (CH₄) emissions and groundwater leachate risks.

Mukka Proteins' scalable bioremediation units transform this urban liability into four distinct revenue drivers:

- **Insect Protein Meal:** Yielding >50% crude protein with an optimal amino acid balance and natural antimicrobial peptides, directly replacing fishmeal and soybean meal in aquafeed, poultry, and premium pet food.
- **Industrial & Feed-Grade Insect Oil:** Rich in medium-chain triglycerides (MCTs) and lauric acid, used in specialized animal nutrition, gut-health formulations, and oleochemical applications.

Mfrs. & Exporters of Steam Dried Fish Meal, Fish Oil & Fish Soluble Paste

Factory : D. No. 14-161 to 164, Sasihithlu Road, Mukka, Mangaluru - 575021. Karnataka, India

Office : Mukka Corporate House, Door No. 18-2-16/4, First Cross, NG Road, Attavara, Mangaluru, Dakshina Kannada, Karnataka, India - 575001

☎ : (O) +91 824 2420772, 2442889, 4252889 | Fax : +91 824 2426405

E-mail : info@mukkaproteins.com - Website : www.mukkaproteins.com - CIN : L10207KA2010PLC055771



- **Insect Frass Organic Compost:** High-grade, odorless organic fertilizer enriched with natural chitin, stimulating beneficial soil microbes and improving soil structure.
- **Humic Acid & Bio-stimulants:** High-purity organic conditioning agents extracted from post-digestion bio-refining that improve crop root absorption, reduce chemical input dependencies, and improve drought resilience.

Global and Domestic Market Opportunity

Segment	Global Market Outlook	Domestic Indian Demand
Insect Meal & Lipids	Projected to exceed \$3.5+ Billion by 2030 , driven by European and Asian feed sectors seeking deforestation-free protein alternatives.	High domestic demand across commercial shrimp / fish aquaculture, poultry hatcheries, and rapid pet-food manufacturing growth.
Organic Frass & Humic Acid	Global agricultural bio-stimulant market growing at an 11%+ CAGR amidst synthetic fertilizer restrictions.	Aligns directly with national soil health initiatives (<i>Bharatiya Prakritik Krishi Paddhati</i>) and municipal zero-waste mandates.

Carbon Offsets and ESG Alignment

Diverting municipal organic streams from anaerobic landfill environments into rapid aerobic BSF bioconversion substantially mitigates fugitive greenhouse gas emissions. Mukka Proteins integrates these facilities with global carbon credit verification frameworks (including Verra registry standards), adding verifiable ESG and carbon credit revenue streams to raw production.

About Mukka Proteins Limited:

Mukka Proteins Limited (“MPL”) is one of India’s prominent manufacturers and exporters of fishmeal, fish oil, and fish-soluble paste, and a sustainability-focused company, engaged in waste-to-value solutions. With a strong export presence across 25+ countries and diversified operations in India and the Middle East, MPL combines deep industry expertise, scalable processing infrastructure, and circular-economy technology to serve global aquaculture, animal nutrition, and environmental markets. Holding a 25–30% share of India’s fishmeal and fish oil market, the Company operates with an installed capacity of 2,91,720 MT per year across fish meal, fish oil and fish soluble paste. Mukka’s strategically located manufacturing and blending facilities enable strong supply reliability, consistent quality and deep access to coastal raw material hubs. The Company serves marquee customers through long standing relationships supported by stringent quality systems and sophisticated blending processes. The Company’s growth momentum was further recognised with its 311th ranking in the FT1000 High Growth Companies Asia-Pacific 2025 edition, reflecting its strong growth trajectory and expanding global footprint.

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For more information, please contact:

Mukka Proteins Limited

Mehaboobsab Mahmadgous Chalyal
Company Secretary & Compliance Officer
cs@mukkaproteins.com

Ernst & Young LLP – Investor Relations

Vikash Verma / Sumedh Desai / Sukhin Naphade
Vikash.verma1@in.ey.com
sumedh.desai@in.ey.com
sukhin.s.naphade@in.ey.com

DISCLAIMER:

Certain statements in this document that are not historical facts are forward-looking statements. Such forward-looking statements are subject to certain risks and uncertainties like government actions, local, political, or economic developments, industry risks, and many other factors that could cause actual results to differ materially from those contemplated by the relevant forward-looking statements. Mukka Proteins Limited will not be responsible for any action taken based on such statements and undertakes no obligation to publicly update these forward-looking statements to reflect subsequent events or circumstances.

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