REQUEST FOR QUOTATION (RFQ) — INTEGRATED MACHINERY & INFRASTRUCTURE

Date: 26 November 2026 | **RFQ Ref:** SAI/PROC/2026-27/01 | **Portal:** MSME Global Mart (NSIC)

Samporna Agro Industries invites itemized technical and commercial quotations from verified OEMs and authorized suppliers for the machinery, cold-chain, laboratory, packaging, and operational infrastructure packages detailed below. Vendors may quote for individual packages or turnkey lines.

Pkg	Line / Category	Technical Scope & Equipment Specifications
01	**Cold-Press Oil Extraction & Bottling Line**	Sub-42°C mechanical screw expelling of mustard, peanut, sesame, and flax; 3-phase centrifugal separation of fresh coconut oil; seed destoning; cake milling; liquid induction bottling.
02	**Plant-Based Dairy & Probiotic Fermentation**	Soaked nut/seed micro-shearing (0.5 µm) via colloid mill; 2-stage high-pressure homogenization; steam pasteurization (72°C); shock-cooling to 4°C; automated probiotic curd fermentation.
03	**Roasting, Stone Conching & Viscous Filling**	Rotary drum roasting & pneumatic skin aspiration; 12–18 hr granite stone conching (<20 microns); filling thick jaggery/cacao butters via pneumatic heated-hopper piston filler.
04	**Automated Dumpling & Blast Freezing Line**	Whey-hydrated dough kneading (50 kg); automated CNC dumpling sheeting (0.80 mm) & crimping (4,000 pcs/hr); blast freezing (–35°C in 18 min); nitrogen-flush chamber vacuum packing.
05	**Botanical Extraction, Distillation & Vertical Farming**	Dharambir multipurpose botanical pulping & seedless extraction; 50 kg biomass steam distillation for essential oils & hydrosols; 4x 5-tier indoor vertical LED microgreens cultivation.
06	**Water Treatment, Steam Boiler & Cold Chain**	1,000 LPH RO purified water skid (<50 ppm TDS); 100 kg/hr non-IBR electric steam boiler; 2°C–4°C walk-in holding chiller; –18°C walk-in freezer & eutectic plate charging chest.
07	**Quality Assurance Lab, Inspection & Cleanroom CCTV**	Rapid Aflatoxin B1 ELISA testing (<2 ppb); FFA titrations; digital Abbe refractometry; aperture metal detection & checkweighing; 16-cam 4K POE live cleanroom streaming matrix.
08	**Cold-Chain Electric Fleet (Lease)**	8x Solar-assisted eutectic EV cargo vans operating 8 regional fulfillment corridors; 14-hr passive cooling (2°C–4°C); off-balance-sheet commercial lease with daily automated escrow.
09	**Retail Booths & Mobile Live-Juice Stations**	25x Partner booth tabletop steamers & eutectic chillers at Verka/Vita dairy counters; 4x mobile EV live-juice stations with pressurized RO rinse & steam sanitizers.
10	**Serialization, Labeling & Initial Packaging Buffer**	Continuous 600 DPI TIJ batch coding with serialized dynamic QR twins; semi-auto wrap labeler; initial 60-day buffer inventory of amber glass bottles, jars, pouches & lab reagents.
11	**On-Premise AI Compute, Office IT & Retail POS**	Dual NVIDIA RTX 4090 local LLM AI server (48GB VRAM) running multi-agent ERP/SEO/routing; admin & QA desktop PCs; rugged floor tablets; 6x retail touch POS terminals & office setup.

Commercial & Submission Requirements for Vendors

• **Food-Grade Compliance:** All product-contact parts in food/oil/dairy machinery must be SS 304 / SS 316 food-grade with FSSAI/CE compliance certificates.
• **Quotation Breakdown:** Mention ex-works price, GST %, packing/forwarding, freight to Chandigarh/Punjab, installation & commissioning, and standard warranty.
• **Lead Time & After-Sales:** Specify delivery timeline, spare parts availability, and AMC terms. Submit proposals via MSME Global Mart or email **hello@samporna.com**.

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