

The background image shows a row of large, industrial HVAC units, likely chillers or air handlers, installed in a facility. The units are light-colored with large, dark grilles. They are mounted on a raised platform or base. The background is slightly blurred, emphasizing the text in the foreground.

Comprehensive HVAC & MEP Solutions – Service Comparison Chart



Food Industry HVAC Solutions (Main USP)

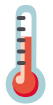
Our specialized food industry HVAC solutions represent our core expertise, delivering industry-leading systems designed specifically for food processing environments. From snacks processing to cleanroom packaging, we provide comprehensive solutions that meet the highest hygiene and safety standards.

Sub-Segment / Application	Key Deliverables	Timeline (Avg.)	Cost Range	Special Notes / USPs
Snacks Processing	Heat load design, humidity & temperature control, oil mist extraction, hygiene ducting	16–24 weeks	₹₹₹	Designed for high grease load and hygiene standards
Beverages & Juices (Clean Packaging Rooms)	Cleanroom-grade positive pressure HVAC, filtration (HEPA/ULPA), fabric ducts	20–28 weeks	₹₹₹₹	ISO cleanroom-compliant; contamination-free packaging
Sauces, Gravies & Pastes	Moisture & odor control, anti-corrosive ducting, washdown design	20–24 weeks	₹₹₹	Custom stainless-steel finishes; hygienic design
Namkeen Production	Heat recovery, oil fume capture, temperature balance	16–20 weeks	₹₹₹	Optimized for frying and spice environments
Kitchen Ventilation Systems	Exhaust & fresh air system, hoods (tandoor, frying, steam), oil mist filtration	12–16 weeks	₹₹	Balanced airflow and odor-free environment
Half Frozen & RTE/RTS Products	Zoned temperature control, low-temp AHUs, dehumidification	20–28 weeks	₹₹₹₹	Product quality retention & shelf life optimization
Powder Handling (Spices, Dairy, Additives)	Dust-free HVAC, HEPA filtration, ATEX safety where needed	20–24 weeks	₹₹₹	Hygienic air distribution; safety for fine powders
Specialty Features	Hygienic Design, Positive Pressure, Fabric Ducts, Clean Packaging Integration	—		★ Core USP — Industry-leading expertise in Food HVAC systems



Industrial Ventilation & Cooling

Sub-Segment / Application	Key Deliverables	Timeline (Avg.)	Cost Range	Special Notes / USPs
Large-Scale Single Stage Cooling	High-volume evaporative cooling, ducting, exhaust	12–20 weeks	₹₹	Energy-efficient cooling for factories & warehouses
Two-Stage (Indirect + Direct) Cooling	Combined system for temperature & humidity control	16–24 weeks	₹₹₹	Up to 40% energy savings vs. conventional
High ACH Ventilation Systems	Fresh air supply, exhaust, filtration	12–16 weeks	₹₹	For kitchens, industrial zones, and warehouses
Energy Efficient Ventilation Systems	EC fans, automation, VFD integration	16–20 weeks	₹₹₹	Lower running cost, optimized performance
Case Studies	Documented large-scale projects	—		Proven expertise with real-world performance data



HVAC Turnkey Systems

Sub-Segment / Application	Key Deliverables	Timeline (Avg.)	Cost Range	Special Notes / USPs
VRF Systems	Complete design, supply, install & testing	12–20 weeks	₹₹₹₹	Ideal for hotels, offices, towers
Chiller Plants (Air/Water Cooled)	Design, pipeline, cooling towers, automation	20–32 weeks	₹₹₹₹₹	Centralized comfort & process cooling
DX AHUs	Packaged HVAC with precision control	12–16 weeks	₹₹₹₹	Cost-effective cooling with flexibility
Precision Air Conditioning	High-accuracy systems for data centers & labs	16–20 weeks	₹₹₹₹₹	±0.5°C temp and humidity control
Cleanroom HVAC	ISO 5–8 classified design, validation	24–32 weeks	₹₹₹₹₹	Pharma/food grade systems
Cold Storage HVAC	Low-temp control, defrost cycles, insulation	20–28 weeks	₹₹₹₹	For frozen and perishable goods

MEP Solutions

Sub-Segment / Application	Key Deliverables	Timeline (Avg.)	Cost Range	Special Notes / USPs
Electrical	Panels (HT/LT), cabling, earthing, lighting	16–24 weeks	₹₹₹	Integrated electrical + HVAC execution
Plumbing	Water supply, drainage, STP/ETP tie-ins	16–20 weeks	₹₹	Sustainable flow systems
Fire Fighting & Suppression	Hydrant, sprinkler, gas suppression	16–24 weeks	₹₹₹	NFPA-compliant safety systems
Integrated BMS & Controls	Central monitoring, energy management	20–28 weeks	₹₹₹	Smart, automated plant control
Turnkey EPC Contracts	Design + supply + installation + testing	Variable (as per scope)	₹₹₹₹	One-stop solution for MEP+HVAC



Turnkey Execution Flow (All Categories)

01

Design & Consultancy

Site survey, layout planning, technical design

Deliverables: Detailed project report, drawings

Revised Duration (Avg.): 4–6 weeks

02

Heat Load Calculation & Technical Sizing

Software-based load analysis

Deliverables: Equipment sizing & selection

Revised Duration (Avg.): 4–6 weeks

03

Supply & Installation

Procurement, erection, and system setup

Deliverables: On-site installation & supervision

Revised Duration (Avg.): 12–20 weeks

04

Commissioning & Validation

Testing, balancing, performance checks

Deliverables: Handover documents & performance certificate

Revised Duration (Avg.): 4–6 weeks

05

AMC & After Sales Support

Preventive maintenance, emergency support

Deliverables: Annual service contracts, uptime assurance

Duration: Ongoing / Annual