



UDAAN PREMIUM EC

Upgrade your Farm, Upgrade your Future



About Premium

Premium Chick Feeds Pvt. Ltd. has embarked on an inspiring journey since its establishment in 1991, evolving into one of India's leading poultry integration companies. Founded by three visionary directors—Dr. Girish Kolwankar, Mr. Neil Dalgado, and Dr. Shyam Dhawan—the company began as a dedicated feed manufacturer and gradually pioneered a successful model of contract farming. Today, with operations spread across 12 states, Premium Chick Feeds Pvt. Ltd. has a strong presence in major cities and regions across the country. Driven by a steadfast commitment to integrating diverse verticals, the company continues to empower poultry farmers nationwide with high-quality products, modern technology, and consistent support.

About Udaan Premium EC

Udaan Premium EC is a next-generation, broiler house Environment Control & Automation (EC & A) mission from Premium Chick Feeds for its integration partner-farmers.

The EC & A Solutions under Udaan are designed to meet different levels of requirement of partners to build and maintain EC Sheds for high production performance throughout the year.

Why Udaan Premium EC

Udaan provides partner-farmers advanced EC & A technology for superior bird performance and ensure higher profitability. Udaan Solutions help deliver consistent good results by maintaining optimum conditions inside the shed, reducing manual workload, and improving overall bird health. Every unit is built with quality durable materials and equipment that have long life, low maintenance, and reliable operation in all seasons. We go beyond supplying equipment — we provide complete support from installation to training and 24/7 technical support, ensuring your farm runs smoothly day after day. Priced affordably, Udaan products and solutions along with continuous availability of genuine spare parts, are trusted choice for progressive Partner-farmers looking to modernize operations and maximize income

We also facilitate our partner-farmers to secure bank finance from certain banks,subject to eligibility conditions.



Why Us



Advanced Technology for Higher Performance

We provide appropriate EC Solutions that enable faster bird growth, improved FCR, and consistently higher profits.

01



Complete Turnkey Solutions

Our expert team handle everything from shed design to commissioning and after sales support

02



Durable, High-Quality Equipment

All equipment is built to withstand Indian climate conditions, ensuring long life, low maintenance, and reliable performance.

03



Smart Automation

Automated Feeding, drinking, cooling, and ventilation systems work reliably avoiding human error.

04



Affordable Pricing with Fast Payback

Our PECT Solutions deliver high returns, making your investment profitable in a short time.

05



Trusted by Partner-Farmers Across India

With years of experience and proven track record, we are a reliable partner for farmers upgrading to modern poultry farming.

06

Benefits Of EC House



Temperature Control

Maintains ideal temperature in all seasons; protects birds from extreme heat and cold.



Better Air Quality

Automated ventilation removes ammonia, dust, and harmful gases; improves bird health.



Higher Growth & Weight Gain

Controlled environment helps birds eat more, grow uniformly, and reach target weight faster.



Improved FCR (Feed Conversion Ratio)

Birds consume feed efficiently, reducing feed cost and increasing profit.



Lower Labor Requirement

Automation reduces manpower needs for feeding, cooling, and monitoring.



Higher Stocking Density

More birds can be raised in the same space safely and comfortably.



Disease Control

Closed environment reduces disease exposure and infection chances.



Water & Feed Hygiene

Automated drinkers and feeders ensure clean water and feed all the time.



Year-Round Production

Weather does not affect performance, ensuring continuous and predictable farming cycles.

DIFFERENCE IN OPEN HOUSE AND EC HOUSE

Category	EC Shed	Open Shed
Climate	<i>Controlled & stable</i>	<i>Fully weather-dependent</i>
Bird Growth	<i>Fast, uniform</i>	<i>Slow, uneven</i>
Mortality	<i>Low</i>	<i>Normal</i>
FCR	<i>Better</i>	<i>Normal</i>
Disease Risk	<i>Low</i>	<i>High</i>
Labor	<i>Minimum (automated)</i>	<i>High (manual)</i>
Production	<i>Consistent</i>	<i>Unstable</i>
Profit	<i>Profit</i>	<i>Moderate</i>

EC Shed Equipment



Feeding System

- ◆ Easy to clean
 - ◆ Hygienic & clean Feeding
 - ◆ No feed wastages
 - ◆ Designed for feeding large number of birds to eat without crowding.
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Drinking System

- ◆ Clean & hygienic water supply
 - ◆ Improved litter quality
 - ◆ Zero water and medicine wastage
 - ◆ Easy to clean and maintain
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Control Panel

- ◆ Automated lighting, temperature, ventilation, and feed distribution
 - ◆ Energy efficient
 - ◆ Easy to operate and monitor
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Cooling Pad

- ◆ Keeps shed cool in high temperature
- ◆ Low maintenance
- ◆ Reduces heat stress & mortality



Tunnel Ventilation Fan

- ◆ Fast air movement keeps shed cool
 - ◆ Uniform temperature throughout shed
 - ◆ Removes heat, ammonia & moisture
 - ◆ Better air quality & bird comfort
 - ◆ Reduces bird stress
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Diesel Brooder

- ◆ Provides fast and uniform heating for chicks
 - ◆ Low running cost compared to LPG
 - ◆ Reduces chick stress and early mortality
 - ◆ Covers large brooding area
 - ◆ Improves early growth & uniformity
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Circulation Fan

- ◆ Improves air distribution
 - ◆ Reduces condensation and ammonia level
 - ◆ Maintains uniform temperature
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LPG Gas Brooder

- ◆ Uniform heating
- ◆ Low running cost
- ◆ Clean & smoke-free

EC Shed Equipment



Stabilizer

- ◆ Protects equipment from voltage fluctuations
- ◆ Increases lifespan of fans, motors, controllers, and machines
- ◆ Prevents sudden power damage and reduces maintenance cost



Generator

- ◆ Provides backup for continuous power supply during power cuts.
- ◆ Protects birds by keeping fans, cooling pads & brooders running.
- ◆ Prevents mortality and ensures smooth farm operation



Electric Wiring and Lighting

- ◆ Safe and durable
- ◆ Ease of maintenance
- ◆ Reduced risk of electrical failures



Hopper with Fill System & Silo Loader

- ◆ Uninterrupted feed supply
- ◆ Zero wastage & high biosecurity
- ◆ Less labour & no manual filling



Medicator System

- ◆ Accurate dosing
- ◆ Quick flock-wide treatment
- ◆ Saves labour & time



Winter Ventilation (Air Inlet)

- ◆ Proper fresh air entry
- ◆ Improves ventilation efficiency
- ◆ Creates uniform airflow



Tunnel Door Louver System

- ◆ Smooth & controlled airflow during tunnel ventilation for maximum cooling efficiency.
- ◆ Prevents air leakage, ensuring all air is pulled through cooling pads for uniform temperature.
- ◆ Improves bird comfort & growth



Booster Pump

- ◆ Maintains correct water pressure throughout the nipple drinker line.
- ◆ Prevents dry nipples and avoids uneven water flow, especially in long sheds (300–350 ft).
- ◆ Supports high water-demand periods without pressure drops.
- ◆ Ensures stable water flow even during voltage fluctuations.



Estimated PECT Income

EC Shed Type	Shed Size (Sq. Ft)	Housing Capacity	Cost per Bird	Avg. Body Wt. Kg	Avg. GC/ Kg	Income per Batch Rs.	No. of Batches / Year	Income per Year Rs. Lakh	Income /Sq. ft / Year *
PECT1-10	250*32'	8,889	486	2.500	9.38	1,98,022	6	11.88	148.52
PECT1-15	300*40'	13,333	442	2.500	9.38	2,97,033	6	17.82	148.52
PECT6-20	356*45'	17,800	567	2.500	12.10	5,10,889	6	30.65	191.58
PECT6-25	400*50'	22,222	558	2.500	12.10	6,38,611	6	38.32	191.58

** Actual performance would depend on quality of Farm condition and management.*

Join Premium Partner-Farmers Community



PECT Sales & Support Help Desk

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