

Technical Specification for Construction of Deep Litter Breeder house (600 Birds)

1. Purpose: Construct a deep-litter breeder poultry house with capacity for 600 birds for production of fertile eggs.
2. Housing System: The house shall use a deep-litter system with adequate space for movement, mating, and breeder management.
3. Capacity and Layout: The structure shall accommodate 600 breeder birds divided into three sections of 200 birds each
4. Partitioning: Internal partitions shall be movable or foldable to allow flexible use of the space when needed.
5. Floor: shall be smooth concrete (screeding) suitable for deep litter management using materials such as wood shavings
6. Walls: Side walls shall be partly solid with upper sections covered by wire mesh to ensure adequate ventilation
7. Roofing: shall be constructed with durable roofing material (e.g corrugated iron sheets) with sufficient slope and overhang for weather protection
8. Ventilation and Orientation: House shall be well ventilated with open sides and preferably oriented east-west to reduce heat stress
9. Internal Fittings: Structure shall provide space for breeder nest boxes, feeders, drinkers, and service walkways for easy management.
10. Biosecurity: Include controlled entry point, footbath provision, and predator/rodent-proofing measures.
11. Materials and Workmanship: Construction shall use durable, weather-resistant local materials and follow good poultry housing standards.

Design Submission Requirement The contractor shall submit a layout drawing showing the three sections, movable partitions, and dimensions, and be ready to present the concept before final awarding of the contract.

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