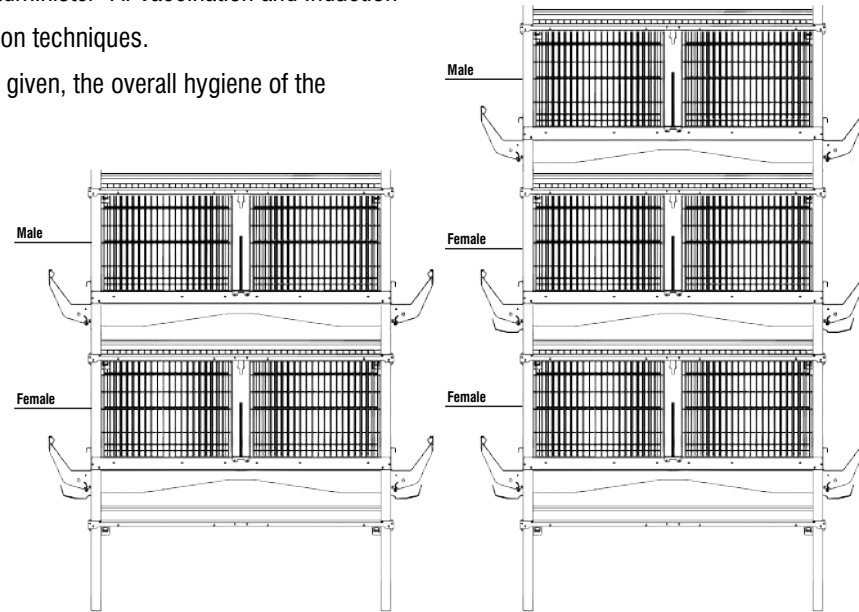


VIJAY RAJ - AUTO MAX BREEDER

Vijay Raj Auto Max – Breeder has been specially designed for the breeders in order to increase productivity. Over 50 years of experience in the industry has resulted in this high performing system.

SPECIAL FEATURES

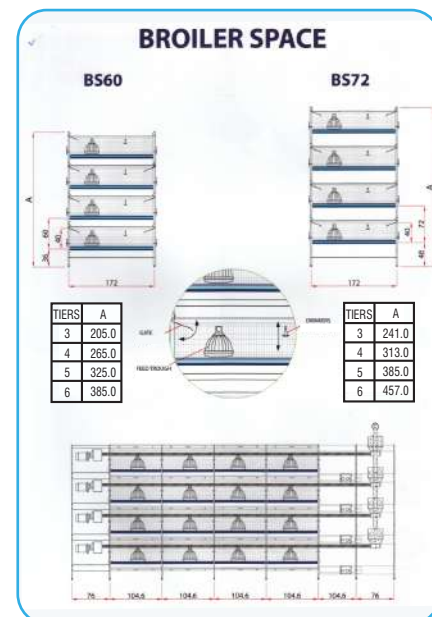
- Female up to 25,000 can be housed in a single house.
- The Specially Designed Structure makes it very easy to administer- AI Vaccination and Induction
- Low Feed Consumption with the help of feeding distribution techniques.
- Due to good ventilation, proper space and per bird space given, the overall hygiene of the house is maintained at MAX.



VIJAY RAJ - AUTO MAX (BROILER)

VIJAY RAJ Auto Max Broiler proposes the H-Frame for broilers in two solutions: “BS60” and “BS72”. They differ only for the inter-axes among the tiers. in the model “BS72” it is possible to load the broilers directly from the head of each line exploiting the belt conveyer below. Both models, alternatively to the bottom in wire netting, can be supplied with an exclusive bottom in plastic materials by **VIJAY RAJ Auto Max Broiler** production. Well-known are the benefits deriving from a **H-Frame** farming compared with a farming to ground :

- Remarkable increase in productive density
- Better feed transformation
- Energy saving
- Saving in manpower
- No cost for litter
- Removal of death rate of asphyxiation due to animals concentration
- A more healthy environment



VIJAY RAJ

POULTRY EQUIPMENTS PVT. LTD. INDIA

Manufacturers of Poultry Cages,
Equipments and Complete Turnkey Solution



TOTAL SOLUTION FOR POULTRY TURNKEY PROJECT

www.vijayrajindia.com



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VIJAY RAJ - AUTO MAX (H-FRAME)

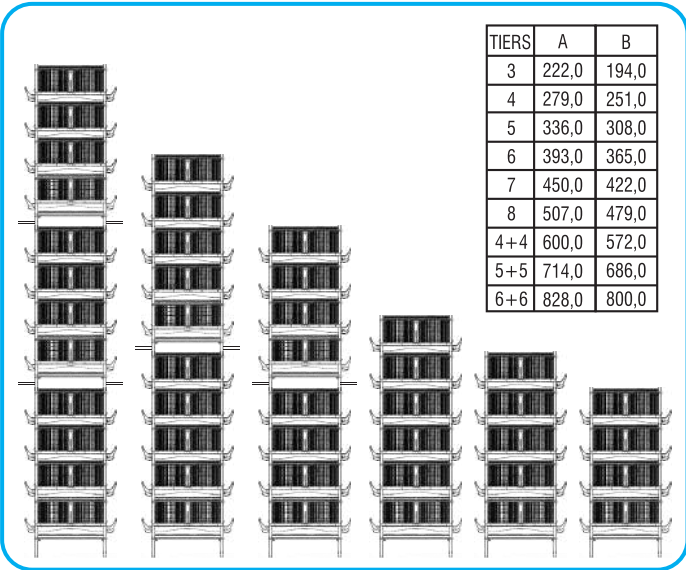
Vijay Raj envisions for the highest level of innovation through precision engineering. Equipped with state-of-the-art facility and trained professionals, we work relentlessly to make the system productive and efficient in every aspect. This has paved the way for the “AUTO MAX” under our start of the art facility.

VIJAY RAJ - AUTO MAX LAYER

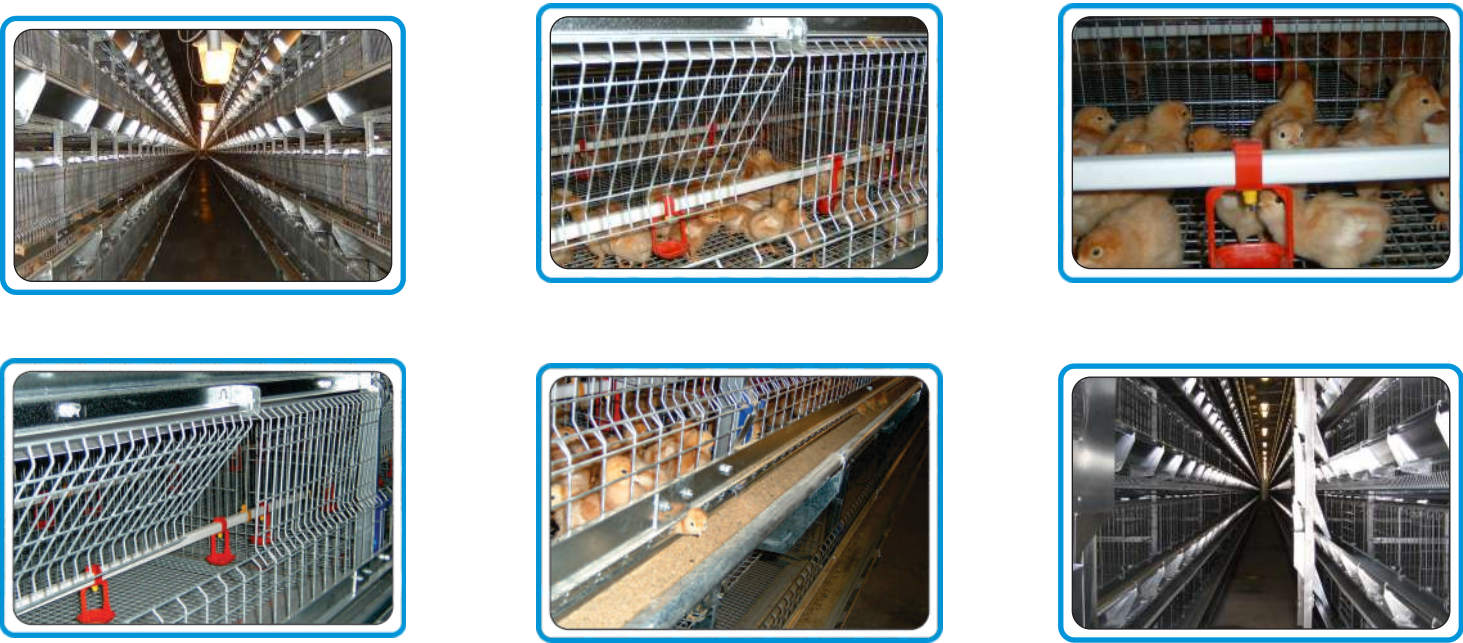


Unceasing innovation is our constant purpose because VIJAY RAJ considers the quality of materials the starting point for the creation of “Auto Max Layer” standing out for research and functionality. The H-Frame for layers “Auto Max Layer” was designed and produced for a long-lasting result, merging the design to the more modern technology, ease of use and care for particulars. The main features of the “Auto Max Layer” are:

- The perfectly compact and sturdy structure with support and precise load points
- The easy assembly, totally through insertion
- The lay-out in the cages simplifying cleaning and maintenance

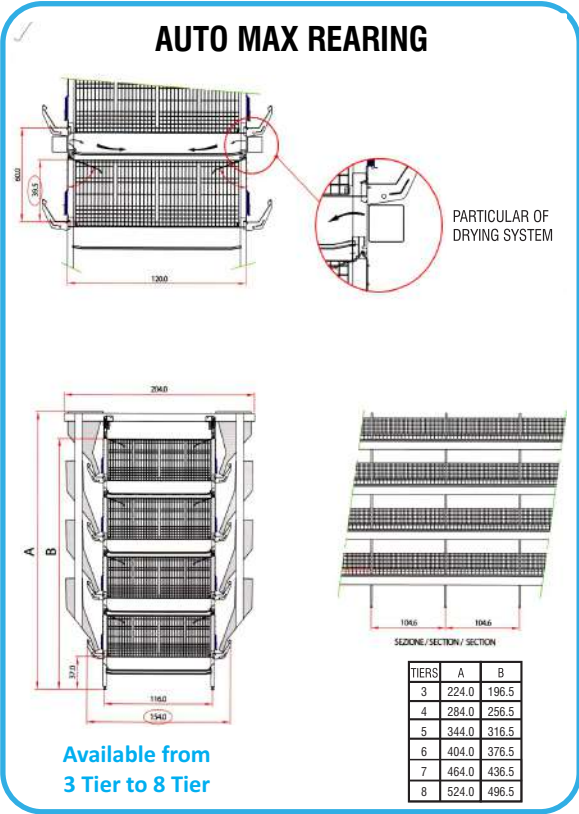


VIJAY RAJ - AUTO MAX REARING & GROWING



“Auto Max Rearing” is rearing H-Frame Structure, the result of a careful design with the aim to realize a successful and long lasting product. The Auto Max H-Frame has an outstanding structural compactness. Each cage has a front grating, adjustable from the head, to facilitate the chicks entry to the feed troughs since the earliest days, and a handy gate opening towards the inner side. The bottom of the cage is made by a special wire mesh net that can be easily pulled out. All the drinkers are adjustable in height from the battery head at the same time. VIJAYRAJ propose the rearing Auto Max H-Frame equipped with belt cleaning system and eventually with manure drying system.

- ADVANTAGES
- Auto Max has stood out to have Low to Lowest mortality in the rearing stages.
 - Easy Feeding due to Engineered Cage Front.
 - The Auto-Max-Rearing has separate sections for Brooders and Growers.
 - Low Ammonia Content due to Cage Design



VIJAY RAJ - COMFORT +

Vijay Raj has been producing world class cage systems and had introduced the Comfort Cage Model back in the year 2001. Comfort Cage model is most suitable for the hot and humid climates. Comfort Cages comes with specially engineered profile frame for maximum strength, poultry cage weldmesh which is highly galvanized and world class nipple drinking system to withstand the tests of time for long years.

VJR- Comfort +

- Specially designed profile structure to give lasting durability
- Best Productivity and Efficiency in Tropical (Hot) Climates
- Max Ventilation results in Low Ammonia Content & drier manure
- Clean Eggs with Minimum Breakage
- Feeding Through Trolley System
- Automatic Egg Collection Available
- Feeding Trough is Aluminium Graded which gives high durability and lasting results
- Step Structure provides additional roof ventilation for the birds in the below two Tiers

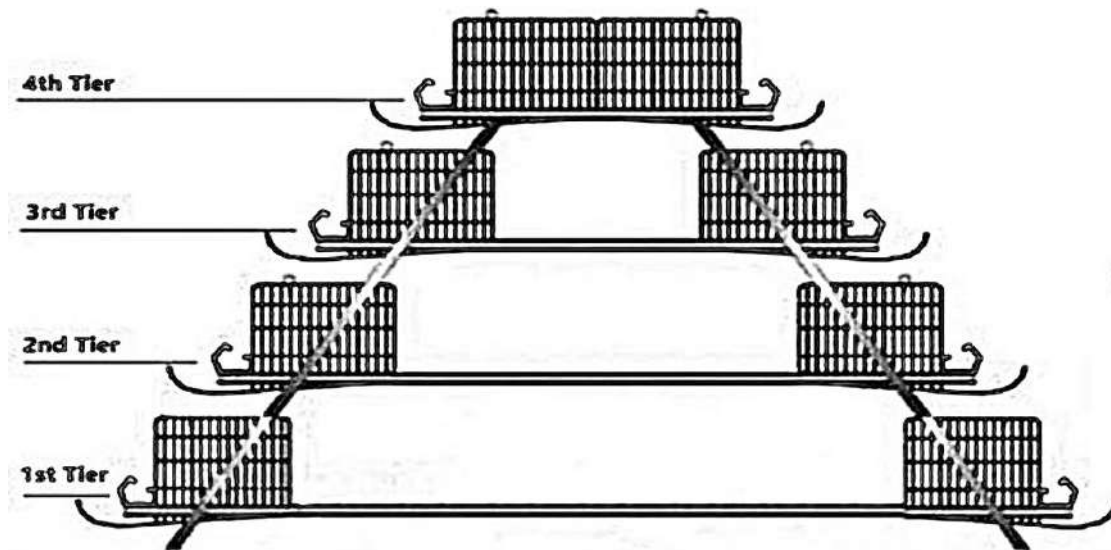


TECHNICAL SPECIFICATIONS - LAYER

Box Size	Birds Per Box	Area Per Box	Effective Feed Space
18" X 15"	4	67.5"	4.5"
20" X 15"	5	60.0"	4.0"
20" X 18"	6	60.0"	3.3"

TECHNICAL SPECIFICATIONS - CHICK

Box Size	Birds Per Box	Area Per Box	Effective Feed Space
30" X 18"	12	45.0"	2.5"



AVAILABLE FOR PULLET-LAYER-GROWER-BREEDER

CALIFORNIA TYPE OF CAGES: VJR – CALIFORNIA CAGE

California type of cages are best suited for best economical farms. Without having the need of an automatic manure remover, the whole system becomes very efficient by placing a high flock density in the said cage bog which is designed to provide ample area to the bird for the movement without affecting the feeding area hence giving high performing results.

- Best suited for Open House Projects
- High Flock Density
- Feeding Trolley distributes feed evenly through feed regulation system
- Hygienic conditions through high ventilation
- No stress to the bird
- The stepped structure of the California System gives extra open roof space to the bird for extra ventilation.
- Highly Galvanised structure to give long lasting results.
- High Results in Open House.
- Value for Money Invested.



California - Chick Cages



California - Grower Cages

The California Grower Cage also comes as Chick cum Grower cage with different sections for Chick and the Growers



California - Layer Cages



California - Breeder Cages

Available in :
2 Tier – Bottom Female – Upper Male
3 Tier – Bottom 2 Tiers Female – Upper 1 Tier Male



The Vijay Raj Feed Hopper System

The Vijay Raj Feed Hopper System equally distributes the feed through the system ensuring uniform growth of the bird. The material used to make the Hoppers is Highly Galvanised to give long lasting durability.

California With Trolley Feeding System
Available for Chick, Chick cum Grower, Layer & Breeders.



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VIJAY RAJ - AUTOMATIC PAN FEEDING SYSTEM

Enhanced Automatic Pan Feeding System **Vijay Raj – Automatic pan feeding system** simplifies the efforts to manage the farms and also increases the total output productivity of the farm.

The **Vijay Raj - Auto Pan Feeding system** can facilitate feeding to farms with bird capacity of 3000 and plus with ease. **Vijay Raj - Auto Pan Feeding system** directly reduces the physical labour in the farm and thus make the conditions hygienic.

- Specialised design of the pan makes it easy for the flock to feed from it.
- Prevents the flock from entering into the pan and in turn maintains hygiene.
- Can easily accommodate 40 birds per pan
- The closed feed distribution prevents feed wastage
- Cycle delivery of the feed evenly distributes the feed and ensures a uniform growth in the bird



Also Available for

- 45 Birds Per Pan Capacity
- 60 Birds Per Pan Capacity
- 100 Birds Per Pan Capacity



Nipple Drinking System



Automatic Broiler Feed Pan



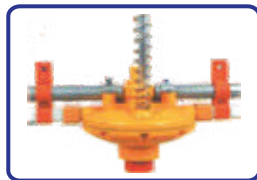
Exhaust Fan



Air Inlet



Nipple Dinker



Pressure Regulator



Filter



Nest Unit



Gas Brooder



Space Heater



Air Circulation Fan



De-beaker

VIJAY RAJ - SEMI AUTOMATIC - BROILER



**Chick
Drinker**



**Chick
Feeder**



**Grower
Feeder**



**Auto Jumbo
Drinker (Dlx.)**



**Bell Drinker
(Universal)**



**Bell Drinker
(Dlx.)**



**Grower Manual
Drinker**



Turbo Feeder



Drip Cup



Gas Brooder



Gas Brooder 1000



Electric Brooder 1000



De-beaker



Chick Plate Feeder



LPG Space Heater 5000



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VIJAY RAJ - NIPPLE DRINKING SYSTEM

Vijay Raj India is a Leading Manufacturer & Supplier of Nipple Drinkers Suitable for Chicks, Grower, Layer, Breeders and Birds. We are specially designed Poultry Nipple Drinkers as per the Birds water Requirements.

Water is one of the most important things in determining the health and growth of broiler chickens. These nipple drinkers are specially designed for chicken, poultry. Our products are suitable for the day old chick to production birds as its water requirement and are available in 180 degree and 360 degree movable pins. All nipples are made from high quality branded stainless steel. These nipples are suitable for especially For Chicks, Layers and Breeders.

The Discharge Flow Rate (DFR) which is very vital for good production is the epitome of the product.

MODELS

- Vijay Raj Twin Lock Chick Nipple – 360 Degree.
- Vijay Raj Single Lock Layer Nipple – 180 Degree.
- Vijay Raj Twin Lock Layer Nipple –180 Degree.
- Vijay Raj Twin Lock Broiler Nipple – 360 Degree.
- Vijay Raj Twin Lock Jumbo Nipple (For Breeders)– 360 Degree.

NIPPLE DRINKER FOR LAYERS IN CAGES



**Twin lock
Drinker**



VRND 1



VRND 2



VRND 3

VIJAY RAJ - NIPPLE DRINKING FOR BROILER ON FLOOR



**Twin lock
Drinker**



**VRND 4
All Direction Drinker**



VRND 5



P.V.C. Pipe

VIJAY RAJ - POULTRY ACCESSORIES



Egg Trays



**Sprinkler
(Plastic/Brass)**



4-Way Fogger



Chain Link



Winch with Pully



**Pan Feeding
Line Winch**



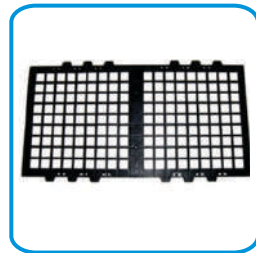
Curtain Winch



House Insulation



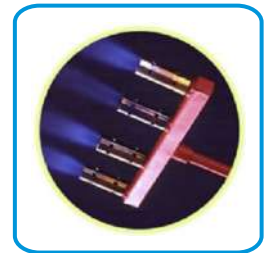
**Poultry House
Lighting**



Slats



**Bird Transportation
Cage**



Flame Gun



**Air Circulation
Fan**



Exhaust Box Fan



**Exhaust Cone
Fan**



**Poultry Water Power
Proportional Dosing Pump**



Cooling Pad



**Incubators &
Setters**



Silo System



Curtain System



VIJAY RAJ - PRE-ENGINEERED BUILDINGS

Pre-Fabricated Sheds Specially Designed for all Poultry Housing Solutions.

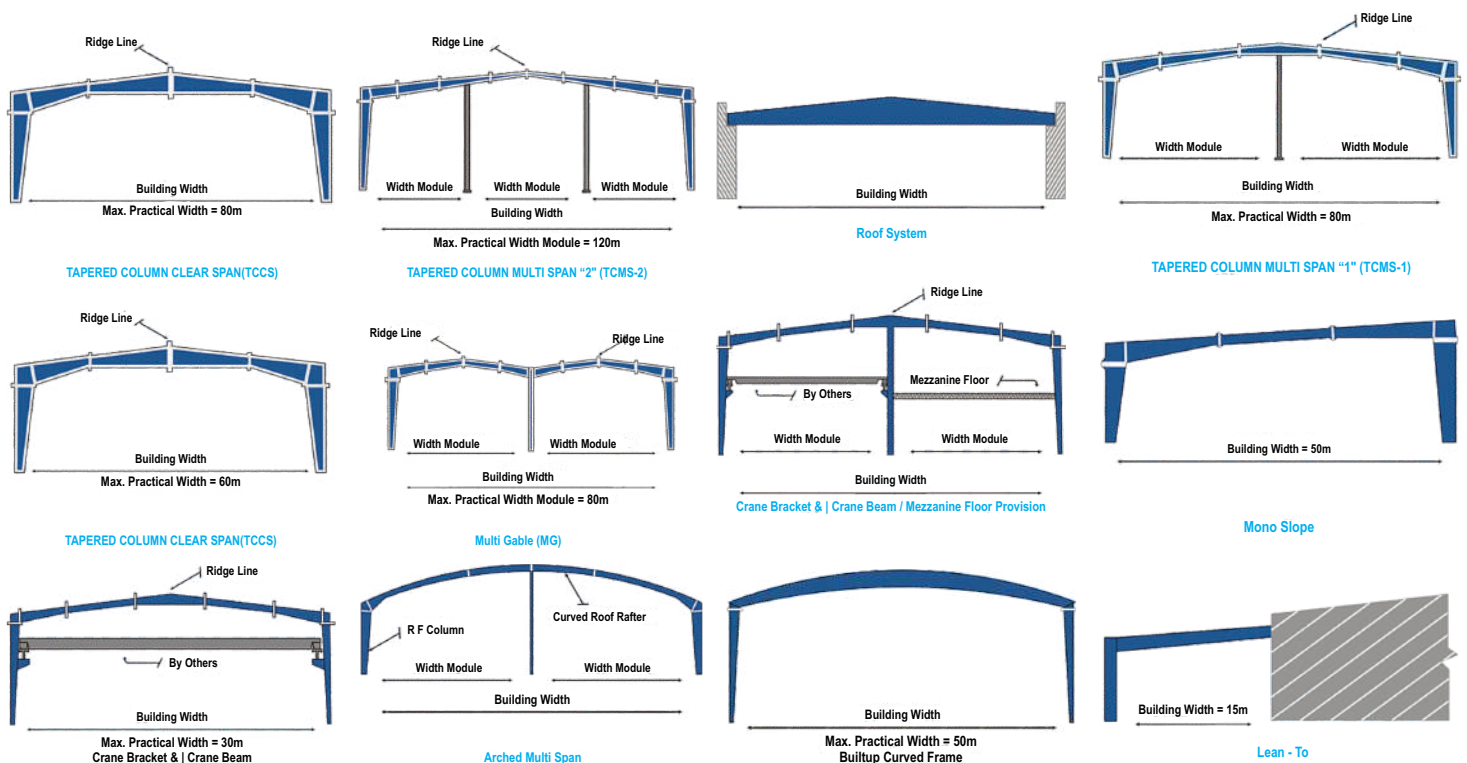
- Layer – Open Houses and Closed Houses
- Broiler – Open Houses and Closed Houses.

Vijay Raj – Pre-Engineered Building Pre-Engineered Sheds is the base to start any industry/business. The complex engineering related to manufacturing and erection of a PEB Structure is the main criteria in order for the structure to maintain its durability for a long time. The Vijay Raj – PEB structures are carefully designed keeping in mind the topographic and physical conditions of the site. The precise calculations of the mechanical loads involved along with the external conditions acting on the structure are the main component to be kept in mind while designing such structures.

Structural loads considered during the manufacturing process:

- Dead and collateral Loads – will include all permanent loads like construction materials such as roofing and framing. Collateral Loads will include Fire safety systems, solar panels and HVAC and electricals.
- Live Load – Weight of building occupants and service personnel on the roof.
- Wind Load.
- Earthquake Load.
- Crane Load.
- Rain & Temperature Loads.

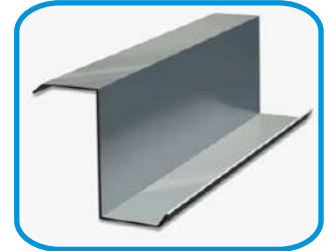
Manufactured and produced through precision CNC Arc Welding makes sure that the component has no variation from the said specifications which in turn gives the extra strength than the primitive type of welding. Vijay Raj offers a large variety of PEB solutions for Poultry Industry.



MAIN COMPONENT OF PEB STRUCTURE.

Primary Member: Primary framing of a PEB is an arrangement of built-up I-shaped steel members & framing consisting of trusses or castellated beams etc. all structural elements that pass the load to the base and consist of End wall frames. End walls are either designed with economical bearing frames or with rigid frames. Such frames are reinforced with wind bracing, connecting bolts, if necessary and anchor bolts. Instead of individual parts, a combination of these three components and weather covering sheeting results in robust steel constructions. In traditional structures, separately built and stand-alone frames are individual columns and trusses that result in a large, heavy structure.

Secondary Member: The secondary structure consists of roof purlins, wall girts, struts, and clips, etc. which help and support the primary framing of roof and wall panelling. The secondary framing method consists mainly of Z and C purlin types of various sizes. The first method contains rafters and columns, while C and Z Purlin have been involved in the preservation of the structure. In contrast with traditional beams, channels and angles the application of purlins help to reduce costs. For the overall stability of the building structure, Purlin / Girts transfers force and instants from one frame to another and functions as a framing device for weather covering sheeting needs. Purlins are available in various lengths and thicknesses, ensuring no cost of production and wastage. Purlins can be easily mounted, resistant to corrosion, lightweight and robust.



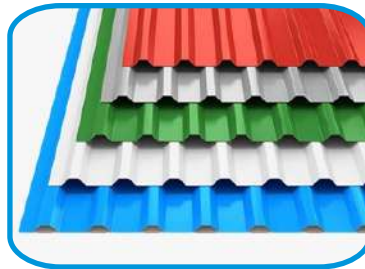
Z PURLIN



C PURLIN

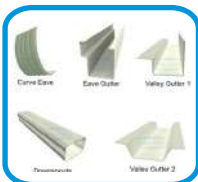
ROOFING

In **Vijay Raj** PEB Structure comes with a large variety of options.



Special profiles such as Ridge Profile and Curved Profile are also offered in **Vijay Raj -PEB**

OTHER ACCESSORIES



FLASHING & GUTTERS SYSTEM



RIDGE VENTILATOR



TURBO VENTILATOR



WINDOWS & LOUVERS

Special Features of Vijay Raj PEB Structure:

- High durability & long-lasting look.
- Corrosion & Weather Resistant.
- Environmentally Friendly.
- Innovative & Specially designed Profiles.
- Return on Investment.
- UV Resistant.
- Pre-Engineered buildings are 30% lighter than conventional structures due to optimized use of steel sections when compared with conventional building.
- Secondary members are light weight roll formed "Z" or "C" shaped members called PURLINS.
- Simple to design and Easy to construct.
- Price per square meter may be as low as by 30% than the conventional building.
- Order to Delivery Time Average 6 to 8 weeks.
- It has high Salvage Value.
- Return on Investment.



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