

Re: Offer for an Insulated Layer House + Equipment

We are honored to present our proposal for a building chicken coop insulated, integrated ventilation + equipment.

Coops are built by our company in cooperation with the Italian company "VALLI".

Valli and O.A.P.I work together from design to construction phase, engineers O.A.P.I plan the structure to the last detail with emphasis on small details, by stage of production is closely supervised by company employees, company O.A.P.I is a subsidiary of "Packer Steel".

Integration between the companies gives us professional and effective solutions, we work integrated ventilation system allow verbalism raise the flock of birds changing weather conditions. Length ventilation for hot days with the possibility of cooling for uniform temperature and air flow coop or ventilation wide aisles through inlets warm period combining proper ventilation system and advanced equipment gives the maximum results from the henhouse.

Layer house 4 rows, 4 tiers each,

The dimensions of the house

Mts' 106 x 13 x 4,50 h



Section A - Foundations & Floors

All concrete Section will be executed by the client , at client own expense according to the company's instructions.

Local rules are prior to planners instructions

1. Digging and casting foundations according to soil / ground type
2. B-200 concrete floor, 10 cm. Thick, inclusive of steel reinforcing wire 20 x 20 x 0.5 cm . including smoothing .
3. Top casting foundation beams inclusive of steel reinforcing wire , drainage openings & covers will be supplied by the company
4. 2 Concrete surfaces 3 *6 for 2 feed bin (Silo).each
5. 1 meter width concrete marginal around the building as per Office of health request
6. Surface for water containers
7. Loading surface 6 x 16.5 meters
8. A channel for manure conveyor across the building and removal
9. Central External waste pit



Section B- Structure

Par. 1 - Structures Dimensions 13 x106 = 1,378 square meters

Industrial structure constructed of professional galvanized profiles, a 13 meters width, trusses clear span. The interval between frames are 4 meters. Leg height at lowest point 3,5 meters**55,892 EUR**

Par. 2 - Purlines

Along the entire structure are galvanized purlines connecting the roof to the construction.

Isolation10,962 EUR****

Between the ceiling and the roof will be placed 10 cm mineral wool insulation structure

Par. 3 - Fronts

The fronts are made from sandwich panels polyuretane 40 mm galvanized and painted**5,180 EUR**

Par. 4 – Gates

2 doors for the electric room

3 doors for the cooling room 2 x 1 mts',

1 door at the building 2 x1 mts'= **2,352 EUR**

Par. 5- Roof

The roof is made from corrugated tin galvanized and oven painted.....= **13,259 EUR**

Par. 6- Ceiling

At the bottom of the truss will be installed ceiling '

The ceiling is made from corrugated tin galvanized and oven painted.. = **11,361 EUR**

Par. 7 - Accessories

Screws ,bolts , discs and galvanized accessories.....= **773 EUR**

Par. 8– curtain Wall+ – Paneled Wall

from both sides of the building air entrances thru an isolated curtain , includes geared motors and micro switches paneled wall 40 mm from polyurethane....= **14,823 EUR**

Par. 9- Cooling System

At building front air entrances thru a cooling pad 15 cm thick including drain pipes and Water dispersion pumps for creating sub pressure from both sides of the building air entrances thru an isolated curtain , includes geared motors and micro switches
At buildings length from each side air entrances as mentioned above=12,600 EUR

Par. 10 - Ventilation length.

Create a sub-pressure in front and on both sides of the building entrances and air through insulated curtains, curtain and curtain upstairs downstairs, each entry of air, and a curtain that allows uniform air flow both floors, including one electric motor for each side.....=5,460 EUR

Par. 12 – Foundation Grounding

Around the structure is a welded net for foundation grounding=166 EUR

Par. 13 – Electricity= 42,000 EUR

Par .14 –Electric room= 1,400 EUR

Section C – Equipment

Par. 1 – Cross Fill System fill systems 90 mm.

About 23 meters , thru 2 silos
 1 motor 1.5 h/p three phase + gear
 23 meter long pipe 90 mm + tempered steel auger , angle pipe included
 8 stoppers 2 correlations for the silos
 1 top automatic switch,.....= **2,100 EUR**

Par. 2 – Silos

2 silo 10 tons each on load cells , ladder filling pipe and air breather.....= **6,720 EUR**

Par. 3 – Water System

1 water filter at main line and system connection
 5 water tanks 1500 liter capacity each , with an exit in the bottom part
 Water tanks standing on surfaces , including an electrical pump
 Automatic activation in an emergency
 Medication dosage pump= **2,800 EUR**

Par. 4 – Fans

In the building 14 fans 50" for air suction
 The fans are installed partly at front and partly across.....= **6,664 EUR**

Par. 5 – Controller

Agrologic 911 vision controller
 Load cells for 2 silos 6 legs each
 4 environment temperature transmitters units
 1 humidity environment transmitter unit
 1 sub pressure transmitter
 1 water indicator 1"
 1 alarm system unit connected to a GSM mobile phone= **7,000 EUR**

A –Laying colony system.....= 153.544 EUR

4 cage rows mod. "BELT SN-4 " EACH OF 40 SECTIONS OF 32 CAGES

CAGE SIZE : FRONT 600 MM – DEPTH 650 MM

TOTAL CAGE : 5,120

TOTAL CAPACITY : 40,960 BIRDS AT 8 BIRDS PAR CAGE

FLOOR TROUGH SPACE PAR BIRD : 7.5 CM.

FEED TROUGH PROFILE : SQUARE

FEED TROUGH THICKNESS : 1 MM

CAGE ROW LENGTH : 96,4 MTS + 2 END SETS

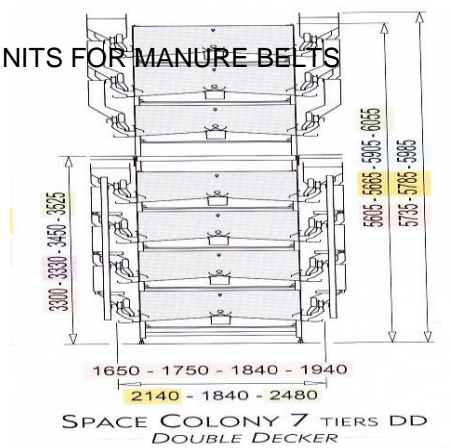
(0.54 + 1.25 + 1.25 +1.57 +0.80) =101,8 MTS .

SLOPE OF CAGE FLOOR :7 DEGREES

8 END SETS

16 DRIVE AND IDLER UNITS FOR MANURE BELTS

16 MANURE BELTS



B – DRINKING SYSTEM.....= 8,515 EUR

BIRDS HAVE ACCESS TO 3 DRINKERS ON SQUARE PIPE EACH CAGE.

LINES OF SQUARE PIPE 22X22 MM.

16 WATER TANKS WITH ADJUSTABLE SUPPORT.

NIPPLE DRINKERS WITH PLASTIC BODY AND ST. STEEL INSERT ON SQUARE PIPE .

1,536 MTS. OF DRIP COLLECTING "V" CHANNEL



C – FEEDING SYSTEM -BY FEED HOPPER= 8,796 EUR

THE SYSTEM INCLUDING:

- 8 TRAVELLING FEEDERS BY HOPPERS WITH COVER LIDS
- 64 SLIDING FEED TROUGH END CLEANERS FOR 2 PARKING AREAS
- 4 DRIVE AND IDLER UNITS FOR TRAVELLING FEEDERS
- 1540 MTS. OF TRAVELLING FEEDER TRACTION CABLE
- 64 BRUSHES FOR FEED TROUGH AND EGG CHANNEL



D – CATWALK

1 INTERMEDIATE GALVANIZED CATWALK INSTALLED BETWEEN THE 4th AND 5th TIER.

2 SETS OF STAIRS COMPLETE OF HAND RAIL

E-EGG COLLECTING SYSTEM.....= 15,330 EUR

WITH EGG COLLECTION LIFT SYSTEM, COMPOSED BY :

4 EGG COLLECTORS WITH MINICONVEYORS

6,144 MTS. OF EGG BELT WITH AUTOCLEANING BRACKETS.



F – MANURE REMOVAL SYSTEM.....= 10,549 EUR

1 EXTERNAL MANURE SLOPED CONVEYOR OF MTS. 12,50

1 CROSS MANURE CONVEYOR OF MTS. 15,50

- NOTES –

THE CUSTOMER IS OBLIGED TO INSTALL A SAFETY PROTECTION COVER FOR THE PIT OF THE MANURE CONVEYOR/S AS WELL AS HE OBLIGED TO INSTALL A SAFETY PROTECTION FENCING AROUND THE EXTERNAL MANURE CONVEYORS





G – EGG CONVEYOR= 15,476 EUR

EGG CENTRALIZATION BY: Lub -750 MM CONVEYOR.

THE SYSTEM INCLUDING:

1 DRIVE

1 MOTOR

1 END UNIT

2 PIVOTING UNITS

7 CONNECTING PARTS 2 MTS. OPEN

1 CONNECTING PARTS 2 MTS. CLOSED

1 CONNECTING PARTS 3 MTS. CLOSED

50 MTR. OF STANDARD CONVEYOR CHIAN

1 DRIP OILER

SET OF SUPPORT

-NOTES-

* THE CONVEYOR CHAIN IS ZINC GALVANIZED.

* THE ABOVE EGG CENTRALIZATION IS SUITABLE TO TRANSPORT
THE EGGS TO THE EGG ROOM ADJACENT AND IN LINE WITH THE
POULTRY HOUSE.

H – CONTROL PANELS= 17,153 EUR

MANURE BELT DRIVE UNITS ON CAGES,

WATER ALARM ,

FEED HOPPERS ,

EGG COLLECTION SYSTEM (EGG BELT SPEED VARIATOR INCLUDED) ,

MANURE BELT CONVEYORS .

EGG CONVEYOR ,

EGG PROTECTOR WIRE SYSTEM ,

J – EGG PROTECTOR WIRE SYSTEM= 816 EUR

J-1 – METAL COVER= 1,500 EUR



I – SUPERVISION (FOR ONE HOUSE)= 16,450 EUR

SUPERVISION COST FOR ONE (1) ENGLISH SPEAKING SUPERVISOR WITH VERY GOOD EXPERIENCE ON VALLI'S SYSTEM + AIR TICKET.

ALL OTHER COSTS SUCH AS : HOTEL AND FOOD (TO BE AT AN EUROPEAN STANDARD), LOCAL TRANSPORT, TOOLINGS, SCAFFOLDINGS, ETS, ARE NOT INCLUDED AND ARE AT THE CHARGE OF THE BUYER.

FOR EXAMPLE THE INSTALLATION OF A UNIT SUCH AS THE ABOVE WOULD INVOLVE APPROX. 30 WORKING DAYS (WITH 8 HOURS OF WORK PER DAY) WITH ONE (1) SKILLED SUPERVISOR AND TWELVE (12) GOOD AND SKILLED LOCAL WORKERS AVAILABLE FULL TIME (PAID BY THE CUSTOMER), AND PROVIDED THAT ALL WORKING CONDITIONS SUCH AS SHED, ELECTRICITY, BUILDING WORKS, ETC, ARE FINISHED AND AVAILABLE.

NOTES:

1. THE ABOVE PRICE HAS BEEN CALCULATED CONSIDERING: 30 WORKING DAYS + 5 FREE DAYS + 4 DAYS FOR THE TRIP.
2. THE TIME INDICATED FOR INSTALLATION / SUPERVISION IS ONLY APPROXIMATIVE AND IT IS NOT BINDING FOR OUR COMPANY AS IT LARGELY DEPENDS ON THE HOURS WORKED EACH DAY , ON THE QUALITY OF LABOUR SUPPLIED, ON THE GENERAL CONDITIONS OF THE FARM. OUR INSTALLATION / SUPERVISION TIME IS AN ESTIMATE ONLY BASED ON A TEAM OF FULLY SKILLED AND EXPERIENCED FITTERS.
3. IF NEED BE ELECTRICIANS AND / OR BUILDERS MUST BE AVAILABLE ON REQUEST OF OUR SUPERVISOR AND AT THE CHARGE OF THE CUSTOMER

Prices

Building Price201,512 EUR x 3 HOUSES = 604,536 EUR

Price for Equipment -248,129 EUR x 3 HOUSES = 744,387 EUR

Notes:

- Prices do not include VAT and local taxes
- Price include warranty and service for the building and equipment subjects to manufacturer instructions for 1 year .
- Delivery – EX Factorys
- Shipment -4 containers of 40 feet +1 container of 20 feet for each house.
- The price for the house not include supervisions and delivery .