

Welfare Parent Stock for India (WPS4I)

Seed money project 1953

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Objectives of the SMP

- Analyze the current state of broiler breeder houses
- Draft possible solutions for modern broiler breeder houses
- Overview of investment opportunities for Dutch companies and knowledge institutes
- Possibilities for a pilot scale project in India to build personnel capacity using Dutch technology of welfare friendly breeder houses



Project partners and team

- Jansen Poultry Equipment: broiler housing system
- Impex Barneveld BV: water systems poultry
- HATO Agricultural Lighting: lighting systems
- Hotraco Agri: climate control
- Aeres Training Centre Int.: int. poultry training centre
- Aeres Applied University: applied education
- Poultry Man. Support: extension service international
- Wageningen Livestock Research

Project approach

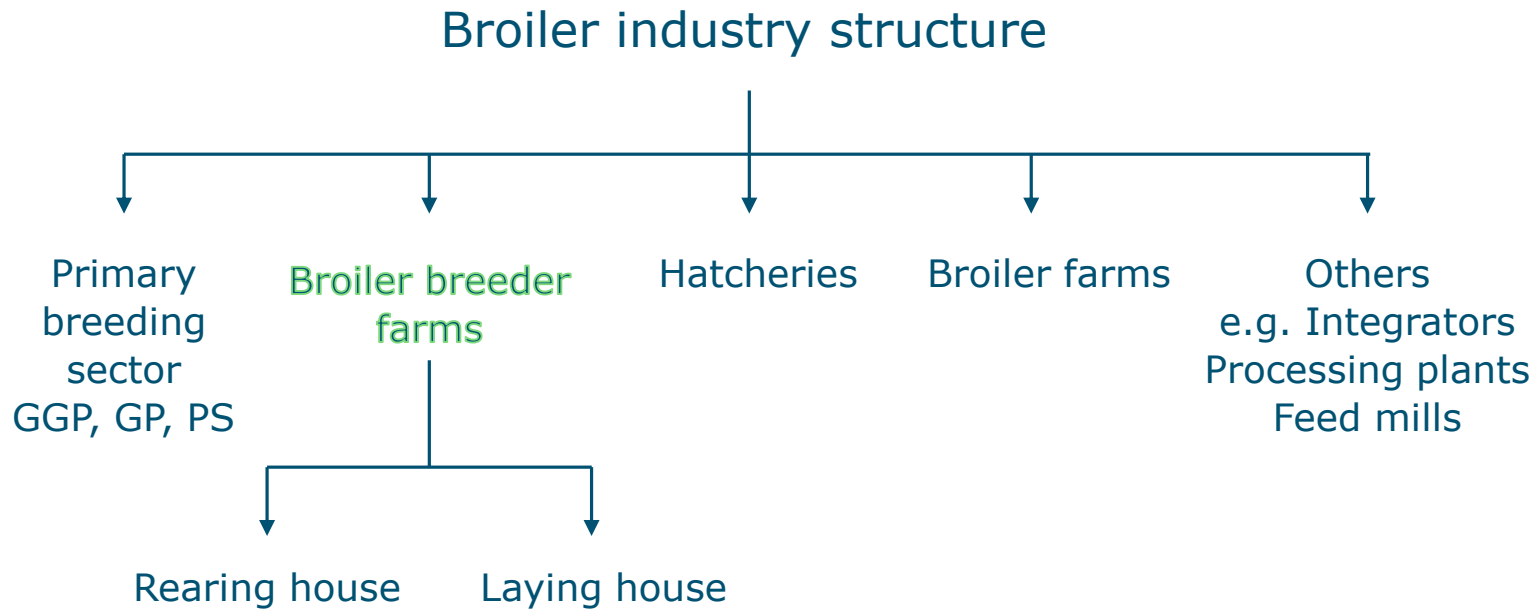
- Background studies:
 - Current trends and conditions in poultry production in India, animal welfare, antibiotics use, diseases
 - Field visits (Corporate sector, Knowledge Institutes, NGO's)
 - Stakeholder mapping, exploring knowledge and training opportunities with stakeholder
 - Building up relations with different stakeholders

Facts (last 5 years)

Indian context

- Eggs: from 30 to 68 eggs per annum
- Poultry meat: from 400 to 2.5 kg per annum
- Human nutritionists recommend a minimum of 180 eggs & 10 kg chicken per annum for a healthy adult human
- Huge opportunities in Indian poultry market
- Adult population in most developed countries consume over 240 eggs and 20 kg of chicken per annum

Broiler breeders in poultry husbandry



Facts of broiler breeder sector

Hyderabad & Telangana

- A large group of poultry companies (e.g. Sneha Foods Limited, Srinivasa Hatcheries (SH Group), Venky's (V H Group))
- Account for majority of the birds and eggs produced in India.
- THE epicenter for the poultry industry in India.

Field visit

■ Round table discussions with different stakeholders:

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- NBSO: Netherlands Business Support Organisation
 - HSI: welfare organisation
 - ICAR: Directorate of Poultry Research
 - Telangana Veterinary University
 - SH Group: Poultry industry (eggs and meat)
 - SNEHA Group: Poultry industry (meat)

Broiler breeder houses

- 95% battery cages
- AI for fertilization



Broiler housing

- Floor housing
- Natural ventilation



Heat stress
(panting)

Highlights of this SMP

- The observations
- The suggestions
- The Opportunities....

1. Poultry housing

- Open houses (we observed):
 - Local material and natural ventilation
 - Basic equipment (manual feeding/drinking)
 - Low bio security and high AB use
- Closed houses (we suggest):
 - Mechanised house with automatic feeding, drinking and ventilation systems

Pilot poultry house: semi-closed

We suggest



■ Partners:

- SH Group (*level of interest: very high*)
- Telangana Veterinary University (*level of interest: high*)
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2. Alternative proteins

The opportunity

- Azolla
- Insects



- Potential partners:
 - Telangana Veterinary University (*level of interest: very high*)
 - SH group (*level of interest: very high*)

3. Mismatch welfare organisations and sector

We observed



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We observed

- Capacity building students
- Vocational or hands-on poultry rearing “Certification course”
- Potential partners:
 - SH Group (*level of interest: high*),
 - SNEHA Group (*level of interest: high*)
 - Telangana Veterinary University (*level of interest: high*)
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Possibilities of follow up(s)...

1. Pilot project on a new housing system for breeders and broilers
2. Alternative proteins like Azolla, insects, etc.
3. Mismatch sector, education and government:
 - Opportunity for collaboration: curriculum activity on operational level (certification course)

Next steps (together)....

With the consortia members & relevant stakeholders in India:

- Disseminate the highlights of this SMP
- Explore funding opportunities

End

Questions/Suggestions

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