

Assam Agribusiness and Rural Transformation Project (APART)

Assam Agribusiness and rural transformation project (APART) a Govt. Of Assam initiated and World Bank Aided project .

Objective: To“ add value and improve resilience of selected agriculture value chain, focusing on smallholder farmers and agro- entrepreneurs in targeted districts of the state of Assam”

The Assam Rural Infrastructure and Agricultural Services (ARIAS) Society formed in November 1998, as an autonomous body under the Government of Assam (GoA). The Society is headed by the Chief Secretary, GoA, as its President (Project Guidance Council) and the Agriculture Production Commissioner, GoA is the Chairperson (Governing Body).

The Project Coordination Unit (PCU) is the headquarter of the Society, which is headed by the State Project Director. GoA has decided that ARIAS Society will be PCU for APART.

Project Beneficiaries : Farmers, farmer producer organizations, and entrepreneurs, especially in the MSME segment in the targeted districts

Key Performance Indicators (KPIs):

- ❖ Number of beneficiaries with improved resilience;
- ❖ Number of new agri-enterprises established;
- ❖ Number of jobs created by targeted agri-enterprises, including for women (percent);
- ❖ Increase in value of marketed output at the farmer level;
- ❖ Direct project beneficiaries (number), of which female (percentage).

APART- Annual Work Plan (AWP) : Annual Work Plan (AWP) prepared on the basis of Cost Table and implemented as per the guideline of PROJECT IMPLEMENTATION PLAN (PIP) cum PROJECT OPERATIONAL MANUAL.

Major Component :Two major components under APART AHVD are

1. Pork Value Chain (PVC)
2. Milk Value Chain (MVC)
 - a. Formal
 - b. Informal

Area Of Operation

In the APART PVC 596 villages under 56 blocks are covered in the 13 districts of Assam. The Hilakandi district with its 4 (four) block is newly included in APART PVC

APART districts under PVC:

The districts under PVC are : 1.Kokrajhar, 2.Goalpara, 3. Barpeta, 4.Nalbari, 5.Kamrup 6.Morigaon, 7.Karbi-Anglong, 8. Darrang, 9.Sonitpur 10.Lakhimpur, 11.Golaghat, 12.Jorhat, 13.Sivsagar. 14. Hailakandi

APART districts under MVC:

Formal: 1.Nagaon, 2. Barpeta,, 3. Nalbari, 4.Kamrup, 5.Morigaon, 6.Darrang, 7.Sonitpur, 8.Lakhimpur,9.Golaghat, 10.Jorhat, 11.Sivsagar.

Informal: 1.Nagaon, 2. Barpeta, 3. Cachar, 4.Kamrup, 5.Morigaon, 6.Darrang, 7.Sonitpur, 8. Golaghat, 9. Jorhat

APART Activities under Pork Value Chain (PVC)

Formation of Farmers Interest Group (FIG) :

4254 nos of FIG's formed in 13 APART Districts. Each FIG is comprised of 10 nos of pig rearing families.

Cluster Level Meeting :

184 nos of Cluster level meetings have been organized in different APART district successfully to create awareness among FIG members on scientific breeding, feeding, management, artificial insemination and zoonotic diseases.



Collection of Feed sample for analysis and ration balancing :

The Veterinary Officers from APART districts organized “Field Day” for collection of conventional and non-conventional feed samples to find out the nutritional status of feed staff. The collected feed sample has been analysed at National Research Centre on Pig (NRCP). The analysed data of various feed samples are utilised for ration balancing at field level. It helps for formulation of area specific, low cost and balanced ration.



Developments of Pig Bandhus :

Pig Bandhus are selected from the Farmers interest Group (FIG) of APART Districts and trained on scientific management of pig under NRC on Pig and ILRI. Pig Bandhus are developed to guide the farmers in Breeding, Feeding, Healthcare and Advisory services. They will particularly focus on delivery of Artificial Insemination (AI) services. One Pig Bandhu will look after 50 FIGs in each cluster. Till now 79 nos of pig Bandhus are trained under APART.



Introduction of Exotic Germplasm :

A total of 200 nos of Large White Yorkshire piglets were bought from the government farms of Punjab. distributed in four nucleus farm of the Department (Diphu, ALPCo, Sonapur

and Rani) with a view to develop multipliers and breeders to supply cross bred piglets to the farmers.



Development of Nucleus Pig Breeding Farm :

A total of 200 nos of Large White Yorkshire piglets were bought from the government farms of Punjab as parent stock for the six Nucleus Pig Farm at 1. Govt. Pig cum Poultry farm, Diphu, Karbi-Anglong 2.Nucleus Pig Breeding Farm, Morigaon 3.Govt. Pig Breeding cum demonstration farm, Sonapur, Kamrup 4.Demonstration Pig Farm (under ALPCo), Panjabari, Guwahati 5.Base Pig Breeding Farm, Khanapara (Rani), Kamrup and 6.Base Pig Breeding Farm, Khanapara, Kamrup. Till now 545 nos. of Piglets produce in the Nucleus pig farm and distributed to the Multiplier pig farmers. The piglets produce in the multipliers will be goes to FIG members.



Bio-Security measures for Nucleus Pig Breeding Farms :

To control the ASF and other diseases, the renovation of all the nucleus pig breeding farm along with boundary wall, bird proof net, wheel bath etc are constructed under APART.



Introduction of community boar :

For up-gradation of local pig Superior quality Crossbred boar will be inducted in the project areas. This will mostly help the farmers of the remote areas where AI is difficult. Till now, 256 beneficiaries are selected but distribution of piglets is postponed due to ASF protocol.

Satellite Liquid Boar Semen Processing Center along with Boar Sty for Exotic Germplasm:

Under APART, 4 nos of satellite liquid boar semen processing center along with boar sty for exotic germplasm are targeted to establish. Till now, the civil works for three centres at Jorhat, Sivasagar and Kamrup are completed and will be operational very soon. This will help the farmers to get the semen easily for AI of pigs.



Workshop on Mentoring Govt. Pig Breeding Farms :

The managers of Govt. Pig Farm along with some field veterinary officers are trained in collaboration with International Livestock Research Institute (ILRI). It helps in refreshing the knowledge and new technologies on Scientific pig rearing.



Training for Trainers (ToTs) :

115 nos of Veterinary Officers have been trained as Master Trainer under the guidance of NRC-Pig and International Livestock Research Institute. They will basically trained the pig bandhus, pig farmers and pork retailers at their respective districts.

Health Coverage :

Under APART, vaccination against Classical Swine Fever(CSF), Cysticercosis, Foot & Mouth Disease(FMD) are covered along with Deworming and Iron Supplement.

Vaccination : Till now, 6,14,000 doses of CSF vaccinations at field level is completed. It helps to reduce mortality of pig and piglets due to CSF. Again, 2,76,000 doses of FMD and Cysticercosis vaccinations also completed.

Iron Supplementation : To reduce the piglets anemia, 2,2,3200 doses of iron supplement are distributed among the farmers.

De-worming : Till now, 6,14,000 doses of Anthelmintics are distributed to the farmers.



Development of demo structured meat vending cubicles :

Scientifically designed meat vending cubicles are developed for the pork vendors. It helps the vendor to sale clean and hygienic pork to the consumer.



Establishment of low cost slaughter house :

The construction of low cost slaughter house are going on in the rural pork market areas. At present, pigs are slaughtered in traditional unscientific way. But, the low cost slaughter house will helps the pork butchers to supply hygienic pork to the consumers.

APART Activities under Milk Value Chain (MVC)

APART Milk Value Chain covers only health coverage under formal and informal dairy sector. The main activities under MVC are vaccination, supply of Mineral Mixture and health camps.

Vaccination :

- **Brucella Vaccine :** Till now, 41,500 doses of brucella vaccination completed under APART to control the brucellosis of dairy cows.
- **HS & BQ Vaccine :** 8,63,360 doses of HS & BQ vaccination completed under APART.

Mineral Mixture : 7470 kg of mineral mixture distributed to the farmers.



Health Camps : Under APART, health camps for dairy cows are regularly organized at village level. It helps to create awareness among the dairy farmers for scientific farming along with diagnosis of diseases and their treatment.

Reproductive Health & Mastitis Management Camps : To reduce the diseases related to reproductive system along with control of mastitis, health camps are regularly organized among the farmers. For diagnosis of mastitis, 894 nos. of CMT kits are distributed to the farmers.




