

**A Climate Field School (CFS) concept: Step towards Climate Smart Aquaculture in the East Kameng District, Arunachal Pradesh**  
*A-Success story*

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Open Access

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*Available online at*

[www.sunshineagriculture.vitalbiotech.org](http://www.sunshineagriculture.vitalbiotech.org)

**Article History**

Received: 1. 1.2026

Revised: 5. 1.2026

Accepted: 10. 1.2026

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**INTRODUCTION**

A Climate Field School (CFS) concept trains farmers to build resilience against climate change by blending local knowledge with scientific climate info, focusing on (CSA) Climate Smart Agriculture through hands-on, experimental learning in their own fields. It helps farmers adapt practices (like crop choice, water management) to variability, increasing productivity, income, and food security by making decisions based on local observations, seasonal forecasts, and market needs, empowering communities to manage risks and build sustainable livelihoods. Based on the Farmer Field School (FFS) model, it's a participatory approach, not top-down extension. It combines traditional farming wisdom with scientific climate data and market information. Farmers monitor their fields, conduct small trials (e.g., different farming methods), and discuss findings together. CFS Teaches practical responses to climate variability, such as adjusting planting times, choosing resilient crop varieties, and managing soil/water. It also promotes practices that sustainably increase productivity, build resilience, and reduce emissions where possible. In view of the above facts KVK East Kameng has constituted 3 nos. of climate field school i.e. one at Seba village, second at Lumdung under Debyar circle and third one at Pampoli under Seppa HQ circle with the technical guidance of Dr. Vipin Kumar Misra S.M.S Fisheries and other stakeholders/line departments with a motto to promote the Climate Smart Aquaculture in the district.

**Programme overview:**

The District East Kameng district is situated in the western part of Arunachal Pradesh lies between 92° 30' and 93° 24' East longitudes and 26° 56' and 27° 59' North latitudes covering an area of 4134 sq. km. The district is situated on hilly tract ranging from 150 to 1960 m of elevation which provide a wide range of suitable climate for the aquaculture, and allied activities. The most of Population is tribal and non-veg consumer so there is ample scope for fish consumption in the district with a high demand on daily basis. Therefore the Programme has been started by the K.V.K from the year

2024-25 to uplift the socio-economic status of famers through Climate Smart Aquaculture activities in the district. After proper survey, villages from the said location of the district have been selected for the said purpose where there was sufficient available resource to implement the programme beside some constraints.

After the village selection the programme was immediately started by the K.V.K through the involvement of fish farming community at Lumdung and Papu Pake Farm and ECO Resort LLP Seba along with District Fisheries Deolpment Office Seppa.



Climate Field School (CFS) site at Lumdung



Water regulation gate for aquaculture units



Climate Field School (CFS) site at Seba



Climate Field School (CFS) Program for the beneficiaries of Sede Village

The both CFS are well equipped with the optimum resources for field-based experiential learning processes which are providing a very good knowledge sharing platform for the farmers living in the other places of the district.

**CONCLUSION**

As per observation it has been found that the programme has a very good response in term of

improved income of the farmers along with nutritional security at household level by the way of climate smart aquaculture activities. The result obtained clearly indicates that the remote areas of the district also should be linked with such type of climate field school for the speedy transmission of gain knowledge by the host farmers/groups to the fish farming community of other village in the district.