CHANDRANNA AQUA RAITU KSHETRALU - A SUCCESS STORY (CARK)

1. Name of the Aquafarmer: Sri Marella Rama Krishna
   S/o Sri Nageswara Rao
   I. Bhimavaram Village, Akiveedu Mandal, West Godavari District
   Aadhar No.: 893415641105
   Contact No. 7661040444

2. Total Culture Area (EWSA) (H): 15.75 Acs (6.3 Hac.)
3. FW Aqua Regn. No.: FRN 011500002559
5. Species Cultured: Indian Major Carps: Catla & Rohu
6. Total Stocking Density: 47,000 fish seed; Catla: 2500 & Rohu 44,500
7. Stocking Density per Acre: 2984 nos
8. Average Body Wt. of stocked: 400 gms
9. Date of Stocking: 18.07.2017
10. Manuring: SSP; DAP; Cattle Manure
11. Water Depth Maintained: 4 feet
12. Feed: Supplementary Feed; Floating Pellet: Cost @ Rs 30,000 per Ton
   i)  Crude protein: 28 %
   ii) Crude Fibre: 05 %
   iii) Fat: 03 %
   iv) Moisture: 11 %
13. Ground Nut cake: 10 tons (Cost @ Rs 31,000 per Ton): Crude Protein: 40 % (During early period of the culture)
14. Culture Period: 7 Months & 27 Days (Date of Harvest: 15.3.2018)
15. Total harvest: 75 Tons
16. Feed Consumed: Floating Pellet: 120 Tons & GOC 10 Tons: Total 130 Tons
17. FCR: 130:75 Tons = 1:1.73
18. Management of the Pond:
   i) Regular Water Analysis carried out @ fortnight Intervals through the Department of Fisheries assistance through Filed Level Inspection & Govt. Aqua Lab Services at Akiveedu & Bhimavaram
   ii) Probiotics used to maintain water quality
   iii) Natural Plankton was maintained
   iv) Only once Argulus was infected the fish and it is controlled effectively
v) Regular sampling of the fish was done. The growth and health have been examined.
vi) Feed Regulations were made based on the weather and Growth of the animal.
vii) Water Exchange was very minimal during the culture.
viii) Fisheries Departmental Officials were visiting the CARK on regular basis @ fortnight basis & offered suitable suggestions.

19. Total Expenditure:
i) Seed Cost @
   Rs 30 per piece : Rs 18,80,000

  ii) Watch & Ward : Rs 1,50,000
  iii) Feed Cost : Rs 39,10,000
  iv) Labour : Rs 50,000
  v) Electricity : Rs 70,000
  vi) Manure: :Rs 50,000
  vii) Probiotics : Rs 30,000
  viii) Sanitizer & Liming : Rs 30,000
  ix) Harvesting Charges : Rs 1,00,000
  x) Miscellaneous : Rs 30,000
  xi) Interest on Rs 40 L : Rs 2,10,000

Total : Rs 65,10,000

20 Total Income on sale of Fish
@ Rs 1.00 Lakh per Ton :Rs 75,00,000

21. Total profit (20-19) :Rs 9,90,000
22. Profit per per Ac : Rs 62,000
23. Productivity per Hac : about 12.00 Tons per crop

Remarks:

➢ The above project reveals that if the stocking size is > 400 gms, the production & productivity will be enhanced and there by the profits.
➢ It is proposed to propagate this technology to achieve 2 crops of IMC per year by reducing the stocking density to 2000-2300 per ac.
➢ Due introduction of CARK Field level Demonstration with the involvement of the Framers, the results are very fruitful.
➢ Under Cluster management also such technologies will be propagated to achieve the targeted production, productivity & GVA Without disease problems.