

IMPACT OF VENTED CHECK DAM
FARMER SHIFTED FROM MONO CROPPING TO MULTICROPPING



Scheme : RKVY-CD	Work Name : Vented Check Dam
Year of work : 2020-21	Village Name : Jammanahalli,
Survey no : 133, 131, 154	GPS : N: 12,91,84, E: 75,85,95
Taluk Name : Sakaleshpur	District : Hassan

A good example pertaining to all this changes in Agriculture pattern is **Mr. Suresh S/O Thimmachar, a farmer- from jammanahalli village, Sakaleshpur taluk, Hassan District** having 4 acres of total land, among which he was growing coffee in 2 acres, paddy in 1 acre and another 1 acre was left barren due to insufficient water during dryspells. **VENTED CHECK DAM** was constructed through Department of Watershed during the year 2020-21, in survey number-131, and adjoining survey numbers 133, 154 with the total 20 acres catchment area covering around 5 to 6 farmers land, under **RKVY-CD scheme**.

Hitherto, he never tried any other crops in his land other than coffee and paddy, even though he had sufficient knowledge regarding other crops. After construction of vented checkdam, farmer started growing annual vegetable crops in his land all-round the year, such as beans, chilli as intercrops along with perineal planation crop arecanut. Farmers in the catchment area, used to depend on rainfall for growing crops. However, after the construction of VCD, he feels no dearth of water to all the crops & seedlings during summer season, besides fetching him additional income of nearly 10-15% of additional yield with good quality produce. He reveals that prior to the inception of this programme, they had no plan of growing additional crops due to insufficient water during summer. Farmer says VCD is a financial boon to him in improving financial status. All the adjoining farmers too collectively use available water efficiently without wastage and grow vegetables in small area for their consumption as well as to domestic market. Hence, the VCD brings new hope during the dry spells.

Crops	Before VCD construction	After VCD construction	Intervention
Coffee	Yield: 6 qnt/ac	Yield: 8-10 qnt/ac	Protective irrigation during blossom and management strategy
Paddy	Yield: 18-20 qnt/ac	Yield: 22-25 qnt/ac	Protective irrigation during critical stages
Arecanut	Yield: -----		Expecting 2 lakh per acre
Vegetables: Beans+chilli	Yield: -----	Yield: 15-20 qnt/ac Chilli:30-32qnt	Irrigation all through summer season
Net profit	150000	450000	Additional 5 lakhs income due to Vented check dam intervention

The entire scenario of the farmers in the locality changed in terms of socio economic status, change in cropping pattern, increase in production and productivity.