

Construction of Multi Arch Check Dam with Sericulture Corps Role in Rural development.

ABSTRACT:

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ABSTRACT:- Multi Arch Check dams are small arch dams constructed across nalas to impound water by which the ground water table in surrounding areas has increased. It is a curved concrete dam. The self weight of this dam is quite less compared to gravity dam. It transmits major portion of water load to the abutments. Very small portion of water pressure is transmitted to foundation. Hence it can be built on moderate or on weak foundation, resulting in significant cost savings and increased longevity.

Keywords: Multi, arch, quite, gavity, transmits, Major.

Introduction:

Multi Arch Check dams are small arch dams constructed across nalas to impound water by which the ground water table in surrounding areas has increased. It is a curved concrete dam. The self weight of this dam is quite less compared to gravity dam. It transmits major portion of water load to the abutments. Very small portion of water pressure is transmitted to foundation. Hence it can be built on moderate or on weak foundation, resulting in significant cost savings and increased longevity.

Outcome/Impact: Multi-arch check dams are low cost and more durable structures, which built across streams to prevent rain water from flowing away to the sea, which also helps in preventing soil erosion.

Check dams serves mainly two purposes likely,

- (i) Provide direct irrigation when rain fails.
- (ii) Facilitate the recharging of surrounding bore wells through percolation of rain water, which increaes level of water table. In addition, check dams also provides water for other purposes.

Related Photos with details:



Work Name	Construction of Arch Type Check Dam at Agadi GP
Estimated Cost	6.00 Lakhs

Feedback from the beneficiary:

I am a small and marginal farmer. Until last year I was totally dependent on Kharif crop to sustain me throughout the year. My condition changed with the help of MGNREGS in the village, after construction of Multi arch check dam near my farm land. Sri Subhasappa stated that after construction of Multi Arch Check dam his fields get filled up after first rains.

Due to this, his agriculture produce increased and he earned more income. This resulted in meeting the needs in summer and Kharif income remained as savings. Even during summer, it is seen that water is still available throughout the year across the check dam. I am narrating this story with pride and the credit goes to all the concerned participants in construction of the Check Dams in my village.

Subhasappa , Y, Veeragondavar from Agadi village, Haveri taluk.

Sericulture :

Type of innovation: Agriculture is an important activity in Karnataka Nearly 70% of population in depending on agriculture for their livelihood. But today, time has changed as Small land holders are facing climate change along with labour problem and high expenditure. To overcome such problems, Sericulture works (Mulberry Plantation) are being undertaken under MGNREGA through convergence.

Sericulture is a labour intensive agro based rural industry, providing employment not only to agricultural poor but also to landless labourers to their sustainable livelihood.

Outcome/Impact:

Advantage of Mulberry is that the initial investment is less and consequently the profit is more. Small and Marginal Farmers income generation activities are done through Sericulture. 5 crops can be cultivated in a year at an interval of 70 days between 2 harvests, by which a farmer gets more income. This has inspired youth to engage in sericulture. It can be also cultivated in rain fed areas.

Related Photos with details:**Feedback from the beneficiary:**

Jekanacharya Badiger Agadi village, Agadi GP, Haveri Taluk Haveri District I had taken benefit of Rs 89000 for seedling and planting of Mulberry in my plot under NREGA Scheme. It required 321 man days for the entire process for my plot of 1 Acre.. We used our man days along with mandays of my friends K. Ravindra, A Shivaraj and K.Mahesh who extended their help in achieving this task. The present rate of silk cocoons is around 650/- per KG. I have sold 40 KG of silk cocoons grown in my plot and gained Rs. 26000/-. It requires 21 days to develop cocoons by the silk worms. We can grow cocoons upto 6 times in a year and generate approximately Rs. 1,56,000/- per annum assuming the price remains at Rs. 650/-. Before

this change over I was growing maize where I was not earning enough to meet the daily needs of my family. Change over to this has helped me improving our life style.

Finally I advise our fellow farmers to make use of these schemes supported by Govt. and improve their family earnings and life style.

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