



Title - Duddi – A Water Rich Village

Introduction to Work :

Duddi Gram Panchayath is located 5 kms away from Kosigi Mandal Head Quarters which is in the western part of Kurnool District. The story of Duddi village is a good example of the benefits to the local community from the MGNREGS programme of Kurnool District. Kolamanpeta is the habitation of Duddi Village, Duddi is having 974 Households, with 4800 population. There are 1029 Job Cards of the village is predominantly consisting of “Boya” a backward community. Along with them there are washer man (Dhobi), blacksmith, Schedule caste and Kamma (O.C.) caste people. The Villagers speak Telugu and also Kannada.



The Agriculture lands are irrigated by TBPLLC canal to an extent of 250 acres. There are 1250 Borewells in the village providing irrigation to 900 acres. Remaining area is under rainfed agriculture.

There are different types of soils like Red soils, Sandy Soils, Saline Soils available in the region. The total extent of the agricultural land is 2645 acres. The average annual Rainfall is 665 mm. Before 2006, the farmers used to grow Jowar, Sunflower, Bajra, Groundnut during Kharif season. Major portion of the rainfall received during rainy season is going as run off water due to lack of appropriate water conservation structures even then

some water is getting conserved in fields and wells. The farmers are mainly dependent on rains for irrigation.



Need for work:-

- 2765 Acres of land is of red soils with undulating topography/terrain.
- Ground Water level is at a depth of 500 ft.
- 580 Bore wells are dried-up due to ground water fall
- Decrease in Agriculture land area, reduction in crop yields
- Cultivable lands are left as fallows every year
- Scarcity of water for both domestic needs and Irrigation
- Migration of labour occurred due to lack of sufficient wage employment through agriculture.
- Lack of proper water conservation and utilisation approaches.
- Decrease in crop yields due to lack of Irrigation water supply from TBPLLC since 4 years

- No proper crop protection strategies to overcome drought situation/Condition
- Agriculture needs sufficient rainfall which is erratic.
- No Drinking water for livestock
- Income from agriculture was insufficient to meet even the basic requirements of their families, as production cost have been increased.

Challenges:

- Majority of the farmers are having small land holdings(farmers with small land holdings)
- Farmers are reluctant to spare the productive agricultural land for raising horticulture crops.
- Not coming forward to take up the works of soil and water conservation.
- No timely rainfall due to which crops are withered
- Lack of proper water Harvesting structures even though rainfall is received in the rainy season
- Lack of orientation among the public to take up water conservation structure in the village.

Implementation Process:-

- With the implementation of MGNREGS the local public representatives, GP Members, Village elders, Women, General Public and wage seekers have come together and conducted meeting and came to a common **consensus** to over come the problem of migration and drought. All the Job Card Holders in the village have come forward to form into 150 srama sakthi sanghams.
- All the villagers were given proper awareness by the MGNREGA functionaries and Resource Persons of CLRCs to conserve each drop of rainwater by taking up of appropriate water conservation/Harvesting Structures in the village. Thus the farmers opted for water harvesting structures in their fields for in-situ harvesting of rainwater
- All the villagers have participated in Action Plan preparation and got its approval. They have decided to implement the Action Plan properly by executing quality works.

- All the SSS Groups have given work demand to the Field Assistant and executed the works allocated to them.

WHS Expenditure of Duddi Village of Kosigi mandal(Kurnool)

2014-15 to 2019-20 (Up to May '19)

Sl.No	Name of the work	No of Works	Expenditure
1	Deepening and improvements to existing check dams	54	27,77,083
2	Desilting and deepening of existing check dams	5	2,15,819
3	Desilting of Existing Field Channel	29	6,41,817
4	Desilting of Existing Feeder Channel	22	55,49,993
5	Desilting of minor distributory channel	9	4,25,633
6	Digging of Soak Pits	55	1,30,629
7	Dugout Pond/Percolation Pond	64	20,28,223
8	Farm Pond	146	63,25,439
9	Fish Ponds	2	10,37,155
10	Surface Storage Pond	44	12,77,315
	Grand Total		2,04,09,106

So far the total expenditure incurred in Duddi village, Kosagi Mandal, Kurnool District in the financial year 2014-15 – 2019-20 under MGNREGS in Rs. 2.04 lakhs.



Implementing Agency:

Mandal Computer Center, Kosigi, DWMA, Kurnool

Impact:-

- 210 Farm Ponds and Dugout Ponds were executed, 54 desilting of check Dams works taken up due to which Ground Water levels increased drastically. Even the 580 dried up bore wells got recharged and water level is not decreasing. The ponds not only provided life saving irrigation during the dry spell of kharif season giving them better yields but also helped ground water recharge.

- Before 2006 there were 300 bore wells in the two villages. Now the bore wells increased to 880 and the 40 old open wells also got recharged with full of water.
- The cultivation shifted from rain fed to bore well irrigation by getting two crops in a year with good yields there by increasing their farm income.
- Cultivating Commercial crops like cotton, groundnut, Onion etc. Along with foxtail millet,, Bajra, sesame etc.
- Migration among the 110 Landless poor families stopped, due to MGNREGS works and also increased in Irrigation facilities through bore wells and Canal Irrigation.
- Due to increase in Ground water 44 Farmers constructed SSPs and utilising the water for Irrigation. Another 65 Acres land is brought under Irrigation by cultivating 2 crops/year. Also getting income from this additional land use.
- During the Financial Years 2017-2018 & 201-2019 Under Jalasiri Programme 22 Bore wells were dug. Each bore well has got water availability at the depth of 150-200 feet only.
- Before 2006 Ground Water level was at 500 feet. At present it is at 100-250 feet depth.
- 350 Acres of land is brought additionally under cultivation due to increae in Ground water.
- Earlier the farmers used to migrate leaving their lands as fallows.
- Now all families sending their children to schools for education. More over all families are educating girl children also upto 10 th class.
- From wage seekers families one has become police constable and some are doing rice business.

- Before 2006 there were only 10 motor bikes in the village. Now each and every family is having motor bike, mobile Phone &TV. Their life style is drastically changed.
- Every farmers family is getting good yields, there by using modern agriculture machinery, constructing houses, getting their children good education and getting their children marriages.
- Every Family in the village is taking nutritional food and keeping good health than earlier. Thus the story of Duddi village farmers illustrates benefits of construction of Farm ponds for harvesting rain water.

Voice From the Field 01:-

I got farm pond with 10*10*2 size through MGNREGA. It got filled up in the first rains it self and has percolated down and recharge the water table down stream. During that season the cotton crop did not get timely rains, hence I irrigated one acre land with this water through oil engine twice in the season. As a result 8 Quintals of cotton is produced from this one acre. I am very happy to inform that, the Farm Pond saved the crop during the crucial/critical period through life saving irrigation. I sincerely thanks MGNREGS for providing Farm Pond.

Name: Sri. Kamma Satish S/o Prasada Rao

Voice From the Field 02:-

“After excavating the Farm Pond I received an additional income of Rs. 9000/- per year from my mango plantation. This gave confidence to me in planning education to my Children.

Name : Gugeni Ramanjaneyulu S/o Jayaram