

Vasundhara Watershed Development Agency, Pune

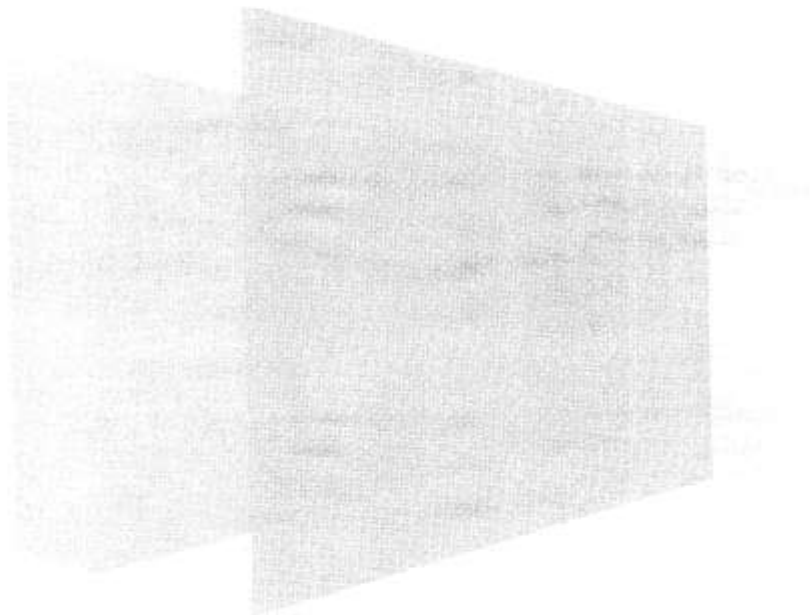
Integrated Watershed Management Programme

Success Story

Nawaze Village, IWMP-11, Thane

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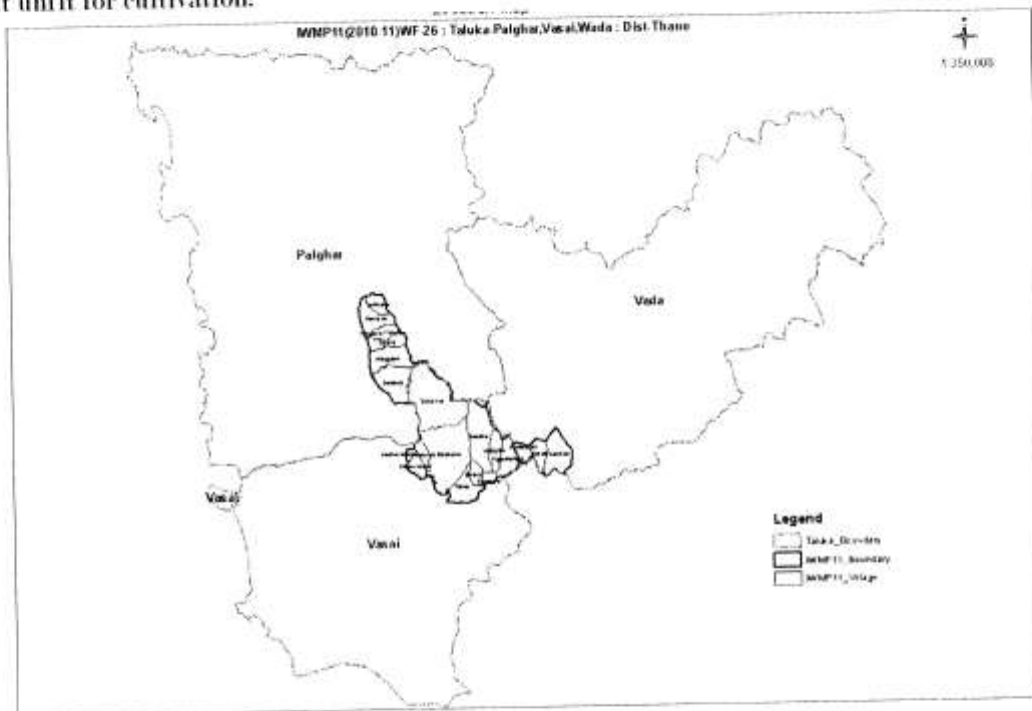
Watershed Development through Old Paddy Bund Repair

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Nawaze village falls under IWMP-11 in Palghar county (taluka) with an area of 691.98 ha on the banks of river Vaitarna in Thane district, Maharashtra, India. The project location is shown in Fig. 1. It is situated on latitude 19° 37'39" N and longitude 72° 51'58" E at an altitude of about 7 m AMSL. It is 79 km of Mumbai city towards north-east, 6 km away from Mumbai -Ahmedabad National Highway- 8.

It is a high rainfall area falling in North-Konkan Region with annual rainfall 2084 mm and temperature varying between 17°C and 33°C. Also groundwater in the area is salty which make it unfit for cultivation.

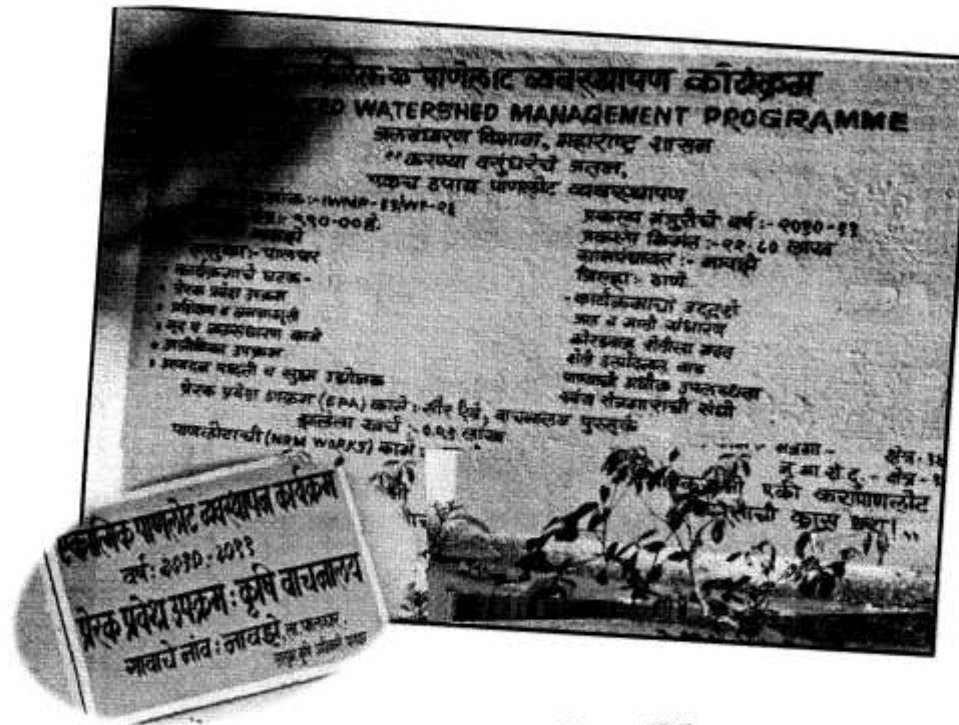


Location Map

Demographic features

The population of village is 2000 living in 500 households. The sex-ratio is 900 females per 1,099 males. Village constitute nearly two-third of the Kunbi and rest Adivasi families. There are only 25 landless households in the village. Most of the landholders are small.

Occupation-wise cultivators are in majority, followed by agricultural labour. Now Agriculture is the mainstay for majority of the people. However, prior to this occupational structure of the village was different. Whole village was engaged in river sand mining in nearby river. This made river almost 80-100 ft deep. As that business came to standstill, people now shifted to agricultural activity again. Though high land price tempting them to sell their land.



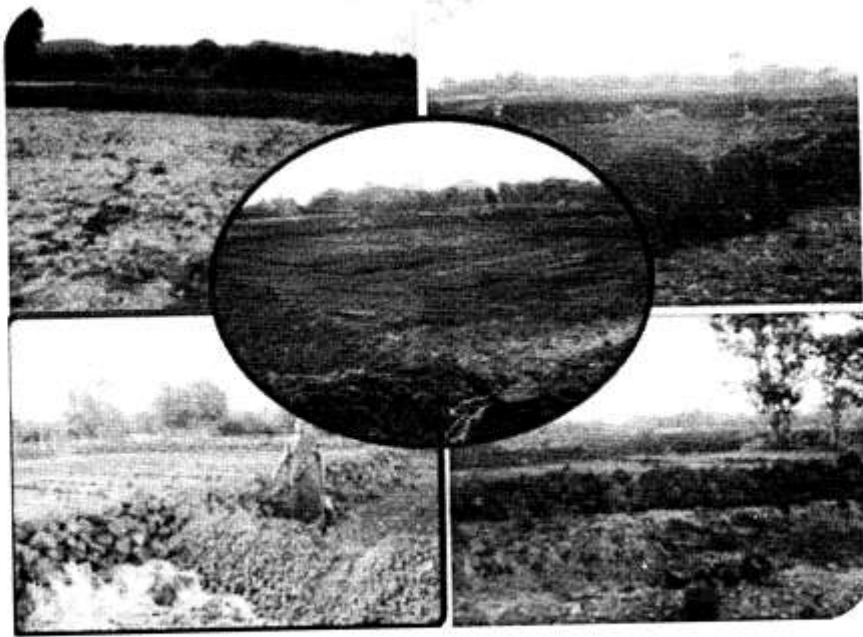
IWMP Display Board in Navaze Village

Though good work under IWMP is being done in village. IWMP Project is being implemented in this village since 2010-11 on area of 190 ha with cost allotment of 22.80 lakh. Entry point activities like Agricultural library, solar lamp, Speaker set are implemented in village. Also NRM activities like Terracing (16.66 ha), Old paddy bund repairing (11.6 ha) and one check dam is planned in village. Out of this Old paddy bund repairing and terracing work implemented in last year. Villagers have very active participation in selecting EPA and NRM activities. One Cement Nala Bund is planned in this year.

Details of Project:

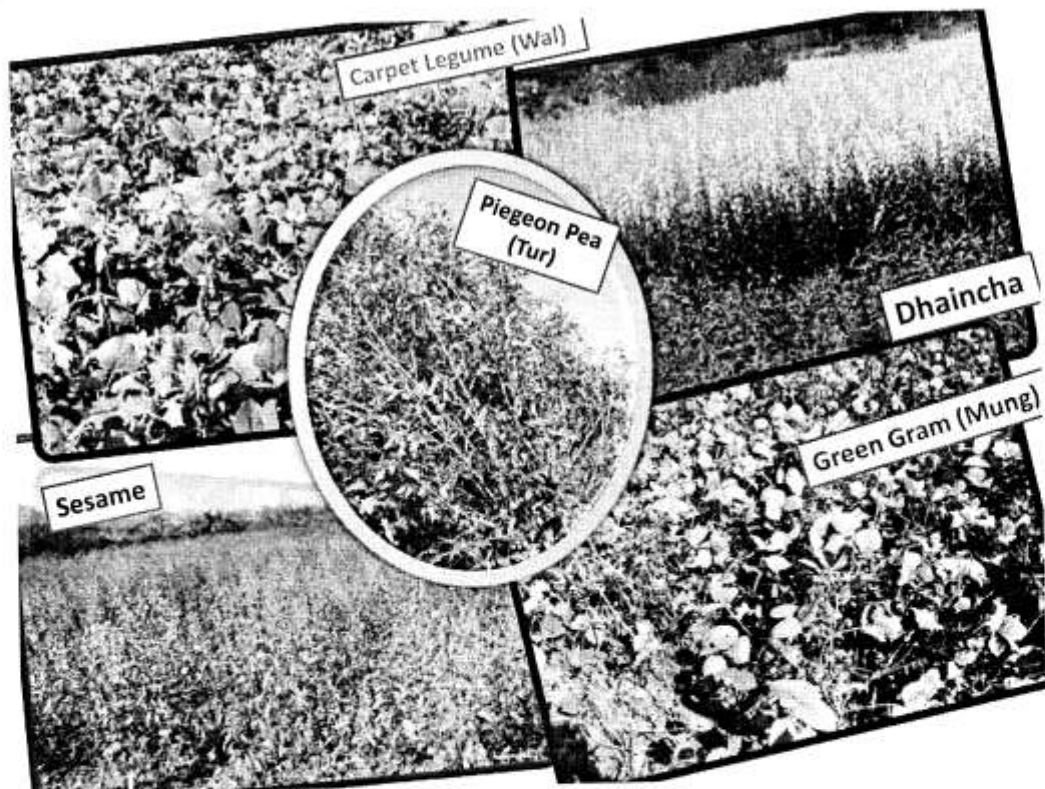
Project Area	190 ha
Project Cost	22.80 Lakh
EPA	0.912 Lakh
NRM	12.768 Lakh

It helped a lot to abstract runoff water, which proved effective in conserving soil moisture. Earlier people in villages used to take two season crop in case of availability of moisture resulting due to high rainfall. But this year as paddy bund repairing and terracing work is completed in village, soil moisture retention is increased.



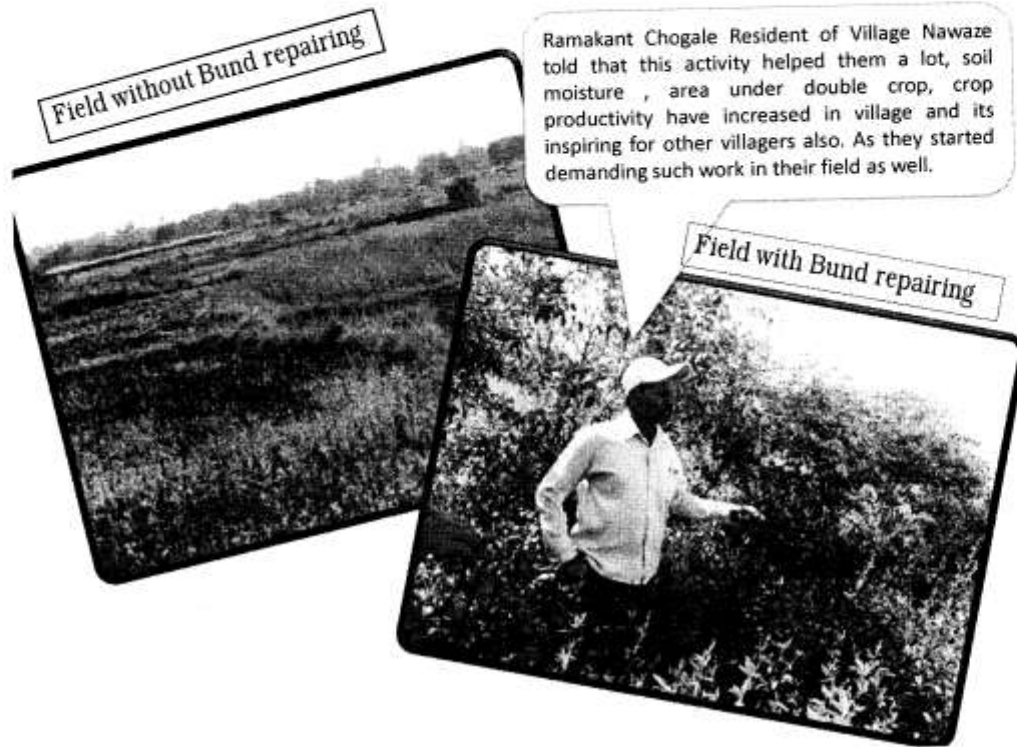
NRM work done in Nawaze Village under IWMP

Due to paddy bund repairing farmer sown double rows of pigeon pea on bund instead of single row which was regular practice which started to diminish in recent years due to damage to paddy field bund. NRM work also helped to increase area under double crop in village.



Crops being taken in Area as Second season crop

Below Picture shows field with paddy bund repair treatment and field without treatment. It shows on field without treatment no plantation activity was done. While on fields with plantation activity pigeon pea is sown which is yielding well.



Villagers told that the practice helped them lot and crop productivity is also increased. Though they complained that very few village area has been covered under scheme. It indicates villagers are aware about benefits of NRM activities done in village. As this work is done in private land villagers have contributed to WDF fund and responsibility of maintenance is to be taken by respective farmer in village.