

Neeraja

RE-STORING 'WATER', ENHANCING LIVELIHOOD

**Spearheaded by Tribal Community of Village Jhambulpada,
Trimbakeshwar Block, District Nasik, Maharashtra State, India**

PERFECT CIRCLE



Sponsored by :



SNS Foundation

Implemented & Managed by :



SNS Foundation

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'Neeraja' is a Sanskrit word, English Translation of which means **'Born out of Water'**

Project **'Neeraja'** has been **piloted by SNS Foundation's Branch Office in Nasik, Maharashtra State, India**

The project has been so named as it **aims to find solutions to the acute water shortage faced by tribal populations in rural blocks of District Nasik.**

Women spend 2-6 hours/day in collecting water for meeting various needs. **This does not allow them to spend quality & quantity time in pursuing livelihood options,** in which they have been trained by SNS Foundation (SNSF)

Since 2002, SNSF has also facilitated the formation of these **women into Self-Help Groups and empowered them to access micro-finance options** from nationalized banks. With 380 groups & more in position, **SNSF has a presence in 200 and more villages**

Through Neeraja, SNSF strives to **provide relief to the daily drudgery faced by these women and allow them additional time for pursuing micro-enterprises** – both individual and at a group level, **effecting a near 50% rise in their family income**

Water Harvesting & Conservation Efforts under Neeraja were piloted in March 2011

[Slide 5 to Slide 19](#) captures a broad sequence of activities under **Neeraja's Pilot Phase during 2011:**

- Construction of a Wire Mesh Dam & Check Dam for Rain-Water Harvesting
 - Laying of Pipeline between a Tribal Residential School Water Tank & the Village Well
 - Other activities under this phase included Cleaning & Deepening of Wells, Pond Cleaning and Bore Well Digging (*not shown in presentation*)
- In the Pilot Phase, Neeraja's activities were supported primarily by 3 agencies : **Nasik Run Charitable Trust**, a corporate **Perfect Circle India Ltd** and **SNS Foundation** itself. Papaya's Nursery donated large number of plants at concessional rates.
- Through a successful pilot, Neeraja **touched 2000 human and 1600 animal lives in 4 villages**
- [Slide 20 - 21](#) further lists out action to be undertaken in 8 more villages to address their water concerns. For which SNS Foundation is participating in the **Global Giving April Challenge**



Visit to Village Vadipada : 40 households, Approx. Population: 200



Mr. Chintram*, SNSF Parwanoo in interaction with Vadipada residents



The Vadipada Village Well – in need of repair & cleaning

* Mr. Chintram has been with SNSF, Parwanoo for more than a decade now and is technically qualified to implement natural resource management /agro-related projects. He was at Nashik from March 1 to April 15, to ensure successful completion of Neeraja's pilot phase activity.

Visit to Village Umbarpada : 160 households, Approx. Population: 800



Mr. Chintram (R) and Mr. Ramlal Badgujar, Head, SNSF, Nasik are seen evaluating the most feasible start-up of Neeraja's three-phase project plan. Umbarpada cluster where the team visited, has been planned for phase 3, where also a check dam costing Rs. 9-10 lacs is foreseen.

March 1 – 10 : Site Visits , Assessments & Site Finalisation

Visit to Village Jhambulpada : households, Approx. Population:



**Discussions with Village Community,
Jhambulpada – site finalised for dam
construction**



**Initial Measurements being taken for
Check Dam Construction**

Identified Spots for Dam Construction at Jhambulpada



Red Line indicates downstream – site for check dam construction

Purple Line indicates upstream –site for wire-mesh dam construction



Neeraja



The Check Dam Wall stands at the place where the Red Line is drawn in the previous slide

Status of Check Dam as on April, 23, 2011



Status of Dam Post Initiation of Monsoon in 2011



**Members of Santakrupa Mahila Bachat Gat –
Functioned as Labour Contractor for Neeraja’s Pilot**

1st Row (L to R): Venu Karu Dalvi, Yamuna Mohan Dalvi, Pushpa Bhagwan Shirsat, Phulwanti Manohar Dalvi (Treasurer / Secretary), Padma Ambadas Dalvi

2nd Row (L to R) : Hirabai Bhiva Dalvi, Kavita Ambadas Dalvi, Hirabai Pundalik Dalvi

Self Help Group Members Absent:

- a) Tara Shantaram Dalvi (President),
- (b) Radhabai Yadav,
- (c) Yamuna Pundalik Dalvi,
- (d) Hausabai Dalvi,
- (e) Vimal Raghunath Dalvi

WHY IT WAS JHAMBULPADA ?

- Jhambulpada had a **small pond**, which was **perennially supplied** by some underground source
- It has a **R.C.C. Tank with a half-done network of pipes** (*no connection to the village well*)
- Construction of dams at Jhambulpada would **harness approx. 1.5Lac Litres &**
- Thus **meet the household & agricultural demands of Jhambulpada and 3 other contiguous villages - Vadipada , Sadarpana, Kharset** – a total of 343 households (approx. 2000 human population & 1600 cattle)
- Also **addresses water needs of the Tribal Residential School, Kharset** being inhabited by **414 students**
- Jhambulpada and 3 other contiguous villages - Vadipada , Sadarpana, Kharset have a total of **8 Self Help Groups** facilitated by SNSF & involving the **participation of 88 (of 343) households**
- Villagers proactive about labour contribution (**“Shramdaan”**)

March 12 – 15 : Site Preparation (Blasting & Stone Cutting) , Digging of Foundation



How can anything start without a ground breaking ceremony? Chintram, also the Panditji all the way from Himachal Pradesh at work

Site Preparation activities in progress



**March 16 : Initiation of Raising of Check Dam Wall
Visit of Technical Consultant , Mr. Kolar (Retd. Engineer)**



**The Foundation for
the Check Dam**



**Mr. Kolar (L) in conversation with
Mr. Chintram**

Dam Wall in Progress



R.C.C. Beam being laid at 4ft. Height, second R.C.C. Beam has been laid at 10ft



Check Dam Wall at 10ft

March 30: Visit of Mr. Pankaj Isnagar (in white), Papaya Orchards to suggest Plantation Activities



Check Dam Wall at 12 ft. – Raising of Wall Completed

March 30 – April 1 : Construction of Wire Mesh Dam

STAGES



Dam Dimensions : 35' * 4' * 3'

April 1-3 : Plastering of Check Dam Wall



Ends of the wall raised to channelize water flow & allow overflow into Damanganga, Gujarat



Dam Wall Plastered (65' * 12' * 3')

April 1-7: Pipeline Connection (750m) from Village Well, Kharset to Tribal School, Kharset



Earlier method of using bullock cart on a daily basis to bring water from village well to the school



Laying down pipeline from the village well

April 1-7: Pipeline Connection (750m) from Village Well, Kharset to Tribal School, Kharset



Use of JCB for digging the trench for laying of pipeline beyond the field



The cement water tank (at the school) which has been connected to the village well

Addressing Water Needs of 8 new 'padas' Surveyed in Proximity of Project Pilot Phase : Survey Results

Sr. No.	Village Name	Population	Solution
1	Kasuli	519	2 bore wells with hand pump
2	Pangulghar	380	1 bore well & to make existing well deeper
3	Savarpada	480	1 Check Dam and 1 bore well with hand pump
4	Murumatti	587	Pipeline connection from existing well to village of near about 1 km
5	Kharpadi	382	Pipeline connection from existing well to village of near about 1 km
6	Fanaspada (Kharpadi)	843	Pipe line connection between water tank from existing panchayat well which is about 1.5 km from village
7	Behedpada	540	1 Bore well, water tank and water tap in the village and one check dam for animals, household needs and small irrigation
	Total Population	3731	



Addressing Water Needs of 8 new 'padas' Surveyed in Proximity of Project Pilot Phase: Budget

Sr. No.	Village Name	COST (IN INR)	COST (IN USD)	Solution
1	Kasuli	1,30,000	2708	2 bore wells with hand pump
2	Pangulghar	1,20,000	2500	1 bore well & to make existing well deeper
3	Savarpada	3,50,000	7292	1 Check Dam and 1 bore well with hand pump
4	Murumatti	1,95,000	4062	Pipeline connection from existing well to village of near about 1 km
5	Kharpadi	2,55,000	5313	Pipeline connection from existing well to village of near about 1 km
6	Fanaspada (Kharpadi)	4,30,000	8958	Pipe line connection between water tank from existing panchayat well which is about 1.5 km from village
7	Behedpada	8,50,000	17708	1 Bore well, water tank and water tap in the village and one check dam for animals, household needs and small irrigation
		23,30,000	48541	