

Offsetting Carbon Footprints in Southern Rajasthan

Quarter2 Report

April to June 2023



MAKEMYTRIP
FOUNDATION



Seva Mandir

Executive Summary

Seva Mandir has partnered with MakeMyTrip Foundation to undertake plantation of 1 lakh saplings during January to December'23. In this reporting period, capacity building and physical interventions were initiated. The key highlights of this quarter are as follows:

- Physical work– boundary wall construction, pit digging, and soil water conservation work, was completed at all the sites.
- Local employment was created through physical work, mostly benefitting women. 17,408 man-days (12,652 for female & 4,756 for male) were generated through this initiative.

Progress

1. Status of Plantation Sites:

Work has been initiated at 15 pastureland sites covering an area of 317 hectares.

A technical field survey was undertaken before undertaking physical work, along with GPS tracking. Pit digging work was completed at all the sites. The soil-water conservation measures like loose-stone check dam, continuous contour trenches, box trenches, etc. have been completed at all sites to check run-off rainwater and prevent soil erosion.

The details of pastureland sites are given below:

District	Block	No. of Sites	Area (in Ha)	Outreach (HH)	Pits dug
Udaipur	Kherwara / Nayagaon /Rishabhdeo	4	77	626	25,345
	Jhadol / Phalasia	2	47	505	23,000
	Kotra	2	31	415	11,000
	Sarada	2	41	155	9,000
Rajsamand	Kankroli	1	43	250	10,000
	Kumbhalgarh	4	78	595	21,500
Total		15	317	2,546	99,845



2. Protection of the Site:

All the 15 sites have been protected by loose-stone protection wall, covering an area of approx. 317 ha. The protection wall has been supported through vegetative fencing of *Jatropha and Thoor*.

The pastureland of Ovra village of Jhadol block, with an area of 24.13 ha, was encroached by 6 families of the village. The Gram Vikas Samooh talked to the encroachers and persuaded them to vacate it. 5 families moved out of the pastureland, however one family continues to live there, even though they have another house in the village. The village committee filed a complaint with the police and the block administration. The police and administration have started investigating the case. Despite these efforts, the family hasn't moved out. The village committee continues to do follow up with the administration and it is hoped that encroachment will be removed soon.

3. Capacity Building Events:

27 capacity building trainings were conducted for the field team and community members during the reporting period. These focused on planning and implementation of physical interventions. 841 people– 485 women and 356 men participated in these trainings and meetings.

Apart from these, on-site demonstrations were done with community members at all 15 sites, to teach lay-out, pit digging, soil-water conservation, planting method and vegetative measures.



On-site demo cum orientation



Community meeting cum orientation

District	Block	No. Capacity building event held	Participants			Remarks
			Male	Female	Total	
Udaipur	Kherwara / Nayagaon /Rishabhdeo	14	188	194	382	- On-site demonstration cum orientation of loose stone protection wall, soil-water conservation. Layout and pit digging
	Jhadol / Phalasia	6	75	128	203	
	Kotra	2	28	38	66	
	Sarada	1	13	27	40	
Rajsamand	Kankroli	1	18	23	41	- Community meetings cum orientation for planning and implementation of physical works at selected sites; protection management of completed plantation sites of previous year.
	Kumbhalgarh	3	34	75	109	
	Total	27	356	485	841	

4. Employment Generation:

Local employment was generated through physical works at pastureland sites. The local community members were engaged in labor work, of which 73% were women workers.

District	Block	No. of Sites	Mandays Generated		
			Male	Female	Total
Udaipur	Kherwara / Nayagaon /Rishabhdeo	4	869	3610	4479
	Jhadol / Phalasia	2	1825	3011	4836
	Kotra	2	743	715	1458
	Sarada	2	377	842	1219
Rajsamand	Kankroli	1	2	708	710
	Kumbhalgarh	4	940	3766	4706
Total		15	4,756	12,652	17,408

A total of 17,408 Mandays (Female 12,652 & Male 4,756) were generated through physical activities during the reporting period.

5. Field Monitoring of completed sites: Survival Assessment

Regular monitoring of plantation sites was done by Gram Vikas Samooh and field team of Seva Mandir, for protection, conservation, vegetation, re-plantation and survival assessment.

The survival rate of plantation in 2022 is 72%. The site-specific details are given below:



District	Block	No. of Sites	Area (in Ha)	Benefitting Households	Saplings planted	%age survival
Udaipur	Kherwara /Nayagaon /Rishabhdeo	10	153	992	49,170	66
	Girwa	1	7	65	2,500	68
	Badgaon / Gogunda	2	70	391	18,750	77
	Jhadol / Phalasia	1	17	110	6,800	77
	Kotra	1	7	6	2,000	22
Rajsamand	Kankroli	1	19	150	4,000	64
	Kumbhalgarh	6	82	562	10,900	80
Total		22	355	2,276	94,120	72

	
<p>Survival survey at the site involving community</p>	<p>Growth of Jamun fruit tree (<i>Syzygium jambolanum</i>)</p>

6. Impact study: Carbon Sequestration through plantation

A study has been initiated to measure carbon sequestration through plantation of 1 million tree saplings planted during the last 10 years, with support from MakeMyTrip Foundation. The study has been undertaken with support of a technical agency named Fair Climate Network (FCN).

In this period, a pilot survey was conducted by FCN at 7 sites. At each selected site, 3 sample plots (25X25 meters) were surveyed, for counting and measuring woody biomass (tree & shrubs mainly). Alongside, GPS tracking of 200 sites considered in the study was completed.

	
<p>Pilot survey by technical team of FCN for woody biomass</p>	

Plan for July to September 2023

- Capacity building of communities and team.
- Liaison with nurseries of forest department for saplings.
- Procurement and transportation of saplings.
- Plantation and other vegetative measures.
- Weeding-hoeing of planted saplings.
- Complete carbon sequestration study, and share its findings.

न्यूज कोटड़ा

Udaipur Rajasthan

06जून 2023

पर्यावरण सुरक्षा संरक्षण संगोष्ठी संपन्न

क्षेत्रीय वन अधिकारी ने पर्यावरण को लेकर जानकारी दी



पर्यावरण संगोष्ठी में भाग ले रहे ग्रामीण

कोटड़ा / पर्यावरण सुरक्षा संरक्षण संगोष्ठी संपन्न। उदयपुर जिले के सूदूर जनजाति क्षेत्र कोटड़ा में सामाजिक सरोकार का कार्य कर रही सेवा मंदिर द्वारा विश्व पर्यावरण सुरक्षा को निचली कुंडाल में संगोष्ठी संपन्न। जिसमें प्रखंड व क्षेत्र के विभिन्न गांवों से करीब 275 लोगों ने भाग लिया। कार्यक्रम की अध्यक्षता ग्राम समूह कुंडाल के ग्राम विकास कमेटी अध्यक्ष अंबिया राम द्वारा की गई व विशिष्ट अतिथि मुख्य अतिथि संस्था के प्रखंड सचिव श्री अरुण जी महेश्वरी द्वारा की गई

विशिष्ट अतिथि कोटड़ा रेंज के वन अधिकारी कार्यक्रम प्रभारी नारायण लाल लखारा द्वारा विश्व पर्यावरण सुरक्षा संरक्षण को लेकर जानकारी दी गई प्रखंड समन्वयक हीरालाल पटेल द्वारा पेड़ पौधों से होने वाले लाभ व बदलते पर्यावरण के प्रभाव के बारे में जानकारी दी गई मुख्य अतिथि द्वारा औषधीय संबंधी पौधों की महत्वता के बारे में जानकारी दी गई कार्यक्रम के अध्यक्ष श्री अंबाराम द्वारा लोगों को बताया गया कि अनावश्यक पेड़ों की कटाई को रोकना होगा और संगोष्ठी का संचालन रवि शंकर पारगी द्वारा किया गया धन्यवाद क्षेत्रीय कार्यकर्ता देवी सिंह द्वारा दिया गया।