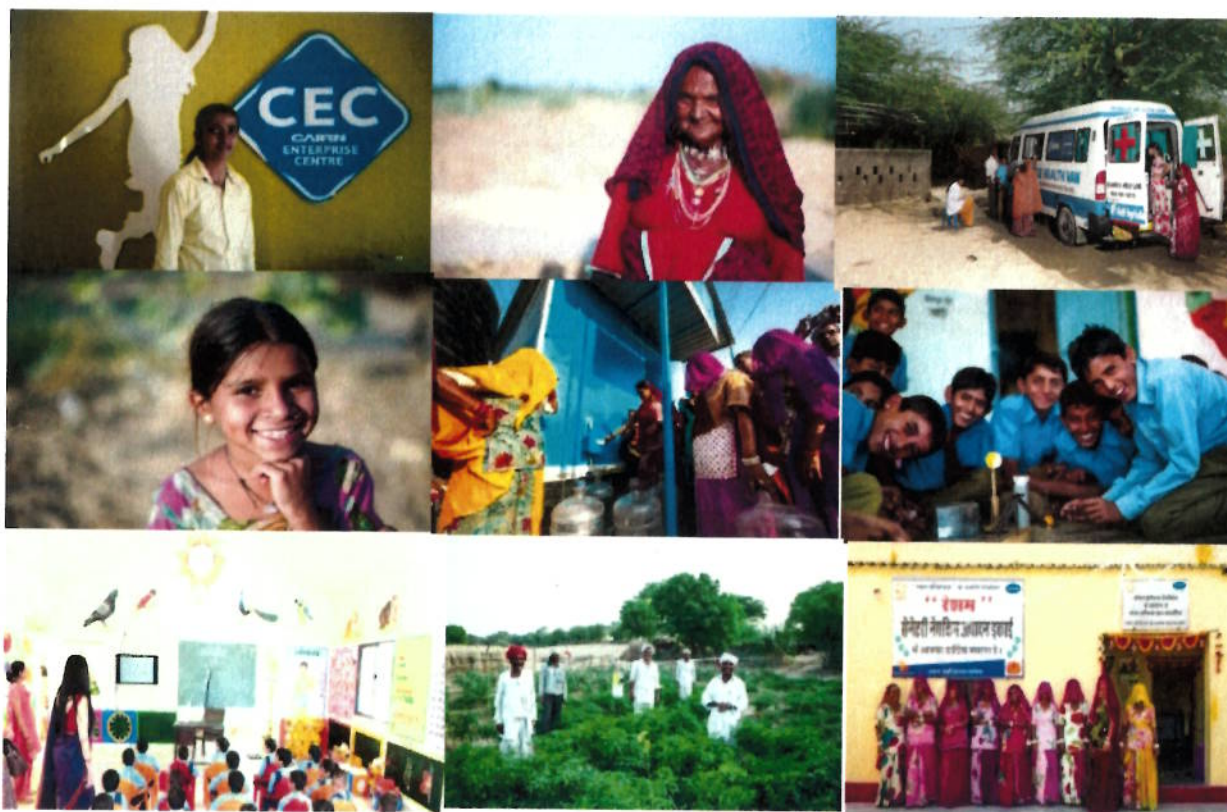


CAIRN FOUNDATION



ANNUAL REPORT FY 2017-18

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President



Secretary

CAIRN FOUNDATION

ABOUT

Cairn Foundation (erstwhile Cairn Enterprise Centre) is a society registered under the Haryana Registration & Regulation of Societies Act, 2012. The primary purpose of the organization is to serve the development needs of the communities around Cairn's operational areas in India. Since its inception in 2010, the NGO has been implementing small projects Rajasthan, Gujarat and Andhra Pradesh.

OBJECTIVES

- i. To promote and assist in Social Development.
- ii. To partner with community in regard to the following areas of CSR focus-
 - Skills Training: CCoE Jodhpur ; CEC Barmer
 - Safe Drinking Water Project
 - Health Initiatives
 - Farm-based program and Agri NRM
- iii. To assist the communities towards self-reliance, unity and awareness of their social rights, duties and responsibilities through spread of education and awareness.
- iv. To assist communities in skills development, to focus on the younger generation to provide training and equip them for improved employment, self-employment and overall financial independence.

BACKGROUND

Cairn Foundation (erstwhile Cairn Enterprise Centre) is a registered not-for-profit society promoted by Cairn Oil & Gas, subsidiary of Vedanta Limited. The purpose of the organization is to serve the development needs of the communities around Cairn's operational areas in India. It works in the Western part of Rajasthan i.e. in the surrounding villages of RJON Oilfield of Barmer



district in Rajasthan which is also one of the most deprived districts in terms of various indicators like- agricultural (due to being arid and desert region with almost nil rainfall), health (high salt/mineral prone area with minimal government intervention in health), sanitation (less education/awareness and civic sense), education (farthest location with no educational infrastructure or proper teaching staff in place), etc. hence adversely impacting its financial and social status. People are dependent on the seasonal rainfall for agriculture and migrating to other cities to work. Of late, with the discovery of Oil, gas and lignite in Barmer, there has been some remarkable industrial development which has led to immense development in area. Cairn Foundation is further adding value to the district needs as well.

GOVERNING STRUCTURE

Cairn Foundation is entrusted with the responsibility of reviewing all the programmes of Cairn CSR. It is also responsible for guiding changes if any, evaluating and approving the new initiatives that are to be implemented through the society.

In order to effectively implement the bye-laws of the society, the following structure has been laid out:

- a. Governing Body meeting at least once a quarter, as laid down in the MoA.
- b. Annual General Body Meeting conducted within six months from the closing of the Financial Year.
- c. A detailed agenda plan along with the last minutes of meeting is shared with the committee for making these meetings effective.

A detailed action plan and activities undertaken are shared in the subsequent meeting.

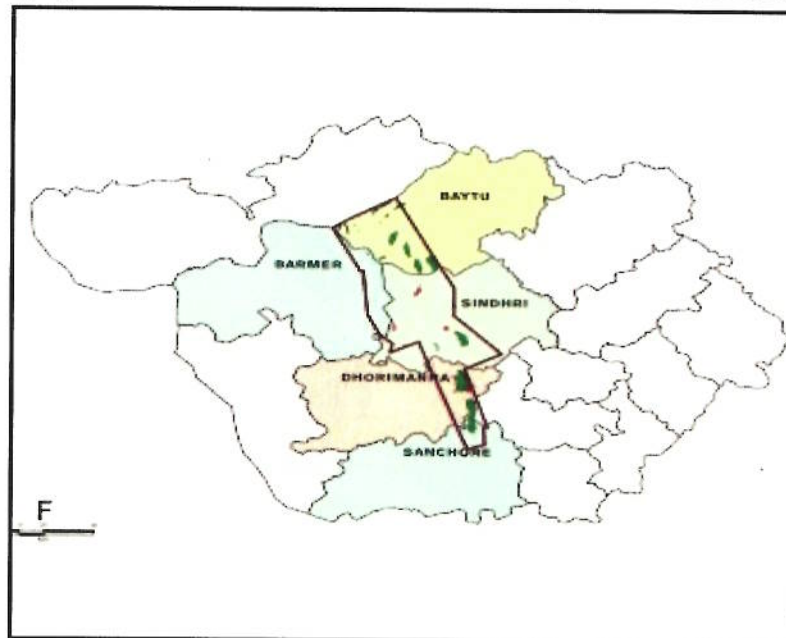


AREA OF OPERATION

RAJASTHAN

The Barmer district of Rajasthan where Cairn operates has been at the pivot of its oil and gas explorations and production. To provide context, Barmer has 3 major oil reserves namely Mangala, Bhagyam and Aishwariya, along with Saraswati and Raageshwari being minor oil reserves. Mangala was discovered in January, 2004 and at the site total of 148 development wells have been drilled and completed with 96 producers and 33 injectors operationalized. It is the largest onshore oil discovery in India in more than a decade. Mangala, Bhagyam and Aishwariya fields, the three major discoveries in the Rajasthan block, together, have a gross hydrocarbons initially-in-place of about 2.2 billion barrels of oil equivalent. Apart from the oil reserves, Cairn has discovered Raageshwari deep gas field, which is meant to supply gas to meet the energy requirements at the MPT and the Mangala Development Pipeline, which runs approximately 670 km from Barmer to Viramgam to Salaya and then on to Bhogat, near Jamnagar, on the Arabian Sea coast.

Map: Geographical Representation of our area of operation in Barmer district



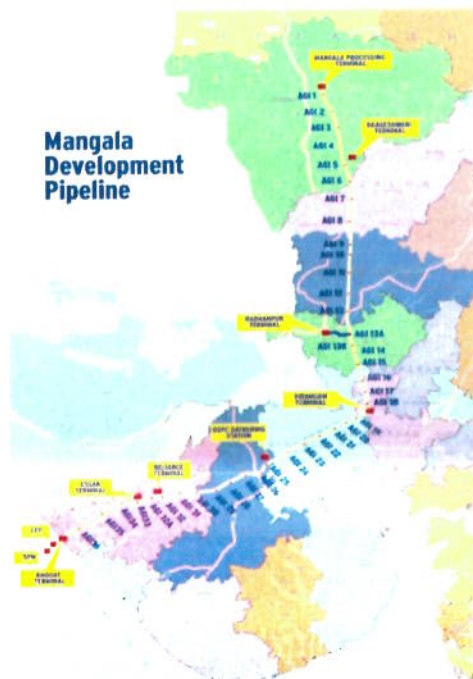
Our CSR projects are centered in the vicinity of our operational area and aim at alleviating the socio-economic status of Barmer district. The district with a Human Development Index (HDI) of

0.58 and population of 2.6 million is fraught with multiple issues due to which it is one of the remotest and most socio-economically backward locations in India. It is characterized with a harsh climate, scarcity of potable drinking water, frequent droughts, lack of job opportunities and infrastructure, backward status of women, low level of health and education standards and high infant & maternal mortality rates. The objective of Cairn CSR is to target these issues and ensure sustainable and inclusive development in Cairn's area of operation to get endorsement and support from the community. At present, the impact has directly reached 144 villages.

GUJARAT

Presently operations is involved in transporting processed waxy Crude oil from Mangala Processing Terminal at Barmer, Rajasthan to its various customers in State of Gujarat through approximately 700 km long 24" heated, insulated and underground pipeline. To provide the surface equipment the pipeline is provided with 3 terminals installed on the route of pipeline namely Radhanpur Terminal, Viramgam Terminal & Bhogat Terminal along with 39 above ground installations (AGIs), AGIs are approx. 20km apart. A technology known as Skin Effect Heat Management System (SEHMS) is installed for maintaining the crude oil temperature above its wax appearing temperature for maintaining viscosity (ultimately flow ability) of the waxy crude.

Map: Geographical Representation of our area of operation in Gujarat



ANDHRA PRADESH

The Ravva oil and gas field in the Krishna – Godavari Basin was developed in partnership with Cairn, ONGC, Videocon and Ravva Oil, under a production sharing contract (PSC) that runs until 2019. A 225-acre onshore processing facility at Surasaniyanam processes natural gas and crude oil from the Ravva field. Currently, eight unmanned offshore platforms are being operated. The Ravva onshore terminal operates to the international environmental standard – ISO 14001 and Occupational Health & Safety Management Systems Certification (OHSAS-18001).

Over the years, the block has produced more than 269 mmbbls of crude and over 337 billion cubic feet of gas.

A handwritten signature in blue ink, appearing to be "A. D. Singh".



OUR PROJECTS

Ramp

HEALTH

OUR PROJECT AT A GLANCE:

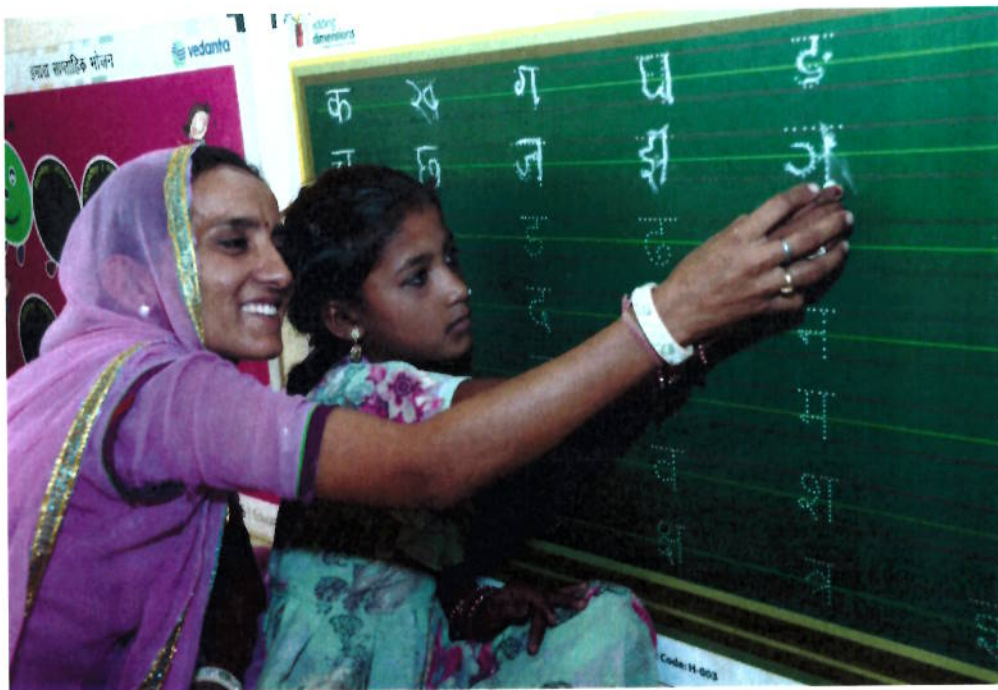
- Villages in our operational area have very scattered population with poor transportation and mobility. Our three tier intervention in the field of health has helped address various challenges to improve the accessibility and affordability of quality healthcare. Our Mobile health vans (MHV) address this need and provide basic medical services at the door step of the rural community covering almost ~ 20,00,000 community members including 55 percent female members. There are total of 10 mobile health vans covering ~144 villages in Rajasthan and ~143 in Gujarat. Multi -specialty camps are also conducted along with structured & regular health awareness activities.
- We also support the District Hospital, Barmer through our daily housekeeping services (57 manpower support) and providing quality doctors. ~ 3000 OPD are conducted every month through 3 Cairn supported doctors i.e. Gynecologist, ENT Specialist and Surgeon. We recently received an award from District Administration, Barmer for helping the hospital health department improve its rank from 19th to 9th in Sanitation and Hygiene in Rajasthan state.

FUNCTIONALISING FIRST REFERRAL UNITS (FRU)

- With the aim of transforming public health systems and achieving greater adoption of safe, timely and effective practices of handling pregnancy and newborn complications Cairn in partnership with the National Health Mission and Department of Medical, Health & Family Welfare, Rajasthan has initiated an intervention to operationalize all dysfunctional First Referral Units (FRUs) in the district of Barmer. These interventions would help reduce preventable maternal and child deaths as well as address accident cases to make significant progress towards achievement of Sustainable Development Goals (SDGs) for the State of Rajasthan.

NANDGHAR

- In line with the MoU signed between Vedanta and the Women and Child Development Ministry, Government of India, Cairn has established 50 Nandghars in Barmer, which is governed as per the best practices focused upon not only improving the health standards of the children, but has given a whole new approach to building the early stage learning in children of age group 3-6years. First of its kind, a supplementary nutritional feed (pre-packed balanced feed) has been supplied in all Nandghars which has significantly addressed malnutrition in children. Along with the regular working of Nandghars, Karyakarta-Sahayika Workshop in collaboration with State Govt was organized on capacity building of the workers. So far, more than 120 successful women entrepreneurs have been developed and over ~1500 children have been benefited.



Learning in Nandghar

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HEALTH PROJECTS IN GUJARAT & RAVVA

- In Gujarat, PAHONCH Program is being implemented to improve access to nutrition and health entitlements of pregnant women, nursing mothers, young children (0-6 years), adolescent girls across 189 villages located in 22 blocks in 3 districts Rajkot, Morbi and Jamnagar. The strategy adopted by the programme focuses on promoting community awareness and enhancing capacities of service providers as well as community based groups.
- Near Ravva, Andhra Pradesh, in the absence of adequate health infrastructure and services, Cairn has intervened by implementing initiatives such as supporting renovation work in 30 anganwadi centres, conducting community awareness activities on health education.
- One 6-bedded Primary Health Centre (PHC) in Surasaniyanam village has been constructed and being supported by providing a set of medical staff for the night shift by Cairn for attending to emergency cases and providing immediate first aid in collaboration with Department of Health & Medical Office, East Godavari District. It was inaugurated by Dy Chief Minister & Home Minister of Andhra Pradesh, Sh N Chinnarajappa in the presence of the MLA, Sh A Anandarao on 30th Jul 2018. The PHC caters to a population of 23,296 from 5 villages consisting of S.Yanam, Challapalli, N.Kothapalli, Gopavaram and Saripalli. One fully furnished ambulance has also been provided to the PHC for transporting critical cases to the hospital. The PHC is functional 24x7.



Inauguration of Primary Health Centre, S.Yanam

SNAPSHOTS OF ACTIVITIES UNDER THE HEALTH PROJECT



Mobile Health Van rendering services at the doorstep of far-off villages



Women entrepreneur running Sanitary Napkin Unit



Old Age care and treatment at MHV



Entrepreneurship Model based Unit, providing employment to rural women



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WATER & SANITATION

JEEVAN AMRIT PROJECT (SAFE DRINKING WATER)

- Our Jeevan Amrit Project is working to address the shortage of safe drinking water and aims to provide RO treated safe drinking water to communities where quality drinking water is not available. As on date, we have established ~104 water purification in partnership with the PHED, Government of Rajasthan.
- Innovative ideas of using solar powered ATWs and water coolers have also solved the pertaining issues of erratic power supply and high temperature in the region. Cairn has even partnered with a few local entrepreneurs to run a 'water on wheels' system (called *Jal Rath*) to provide safe drinking water at door step of the remotest Dhanis, which fosters a spirit of rural entrepreneurship. The project has been significantly been accepted by the community and concrete results have been documented in reduction of water borne diseases.
- Furthermore, we have also introduced two new interventions of "Digging of Borewell" at 10 water constraint areas as well school drinking water project, where at a rate of 10rs per child per month safe drinking water is provided to school children (i.e. 1ltr water for each students every day at 25 paise). More than ~43000 students are aimed to be impacted through this intervention.



A still from one of the Jeevan Amrit RO plants.

JEEVAN AMRIT PROJECT EXPLAINED IN PICTURES:
"HAPPINESS AND HEALTH FOR ALL"



SWACCH BHARAT ABHIYAN

- Cairn undertook large scale initiatives under this program to support the national mission. We have facilitated construction of ~18,000 household toilets as on date, with a far better industry record of 90% usage. This achievement is credited to the change in project strategy, i.e. focus on improving utilization as against construction. The penalty incentive model has been highly appreciated and covered by media houses, govt. stakeholders as well as community. In line with the initiative, a significant impact has been created. For the first time, entire Gida block (comprises of 24 GP) has been declared Open Defecation Free (ODF) by Govt. Swatchta campaigns are undertaken to bring together communities, key PRI members, India Railway department as well as internal stakeholders as a part of mass movement to clean conspicuous areas like railway stations, school premises, community water areas, etc., touching ~ 1000 members.



Women in Madhasar village sharing the benefits of access to quality toilets constructed under the Cairn Foundation programme.

"I cannot walk without help. For me going out in the open was very difficult. Some family member always had to accompany me. After the toilet was constructed in my house, I no longer have to depend on others for even such basic requirements" – Bhanwri Devi, Baytu

EDUCATION

- It was observed during a survey undertaken by Cairn that the students studying in government schools are deprived of basic facilities of proper water and sanitation, health and hygiene. Cairn has designed various interventions in schools across Barmer district to improve the infrastructure facilities. Some of the major interventions carried out are –
 - a. **Water and Sanitation** – In line with Cairn's commitment towards "Total Sanitation campaign", a school sanitation intervention was undertaken in 27 schools of Barmer district (mix of interior Cairn operational villages and city schools), impacting ~7000 students. This includes both infrastructural upgradation (construction of toilets, wash basin, shed for mid-day meal, hand wash area, etc.) as well as behavioral change intervention. The project has significantly benefited the students by providing improved sanitation facilities at schools, as well as their changed health and hygiene practices.
 - b. **Solar Electrification** – To address the issue of electricity in rural schools, Cairn initiated a solar electrification project in 100 Adarsh schools (which not connected to the power grid) along with a 5 year AMC contract, impacting ~ 25000 students. The project is expected to lead to several benefits including provision of increased infrastructural facilities in rural Barmer schools leading to a better academic environment thus leading to reduced absenteeism and increased productivity of students.
 - c. **Rainwater Harvesting** – In addition to Cairn water initiative "Jeevan Amrit project – providing safe drinking water to rural communities", we had undertaken development activities to harvest rain water. This project has been done in 40 schools, harvesting ~ 10 lacs liter of rain water every year.
 - d. **Swastha Pathshala Abhiyan** – Cairn provides basic health care services to the far-off communities through its Mobile Health Van at their door step. The intervention has created significant impact in addressing health issues at large. Based on the popularity and need of the programme, a new initiative of student health connect named as "Swastha Pathshala Abhiyan", has been introduced in 54 govt. schools, impacting ~14000 students in Barmer.

This programme focuses on behavioral modules on health and hygiene for creating awareness, undertaking detail health checkup camps as well as connecting with the parents on appraising the current need of their kids. This serves as a complete guiding tool to improve the health seeking behavior in students and parents.



AGRICULTURE/NATURAL RESOURCE MANAGEMENT

- The Program is aimed at increasing incomes of farming community through productivity enhancement of agriculture and livestock. Under the Barmer Unnati project, we have constructed 540 small rainwater harvesting structures in the form of Khadin structures in farmer's field in Barmer and Baitu Blocks. In addition to this, 2 community Khadin structures and 5 Nadi (village community ponds) structures were renovated at the group as well as community levels to harvest rainwater which contributes to water security as well as recharging the ground water table in 14 villages of Barmer. 2.7 lakh cubic metres water has been harvested every year, converting around 500 ha area in to cultivable land by conserving 6000 tons fertile soil every year. These Nadi renovation further helps in increase the floral and faunal diversity in the region. Over 16 migratory bird species have frequented the pond sites. There has also been a significant rise in the population of species of fish, snakes insects, Algae, fungi etc. Additionally, Roof water harvesting in 66 schools harvesting around 33 lakh litre rain water every year for 9000 school children's.
- A MoU has been signed with Central Arid Zone Research institute (CAZRI-Jodhpur), a unit of Indian Council for Agriculture Research (ICAR-New Delhi) to provide a high tech farming trainings of Barmer farmers and around 700 farmers training in last six months. More than 800 farmers have seen a bumper produce of fruit sapling (Ber, Gunda, and Anar) which has reached up 60 tons in our Wadis, parallel producing around 500 tons leaf as bio mass for livestock. Micro irrigation systems (Drip irrigation) we have established drips for 60,000 horticulture plants and saved around 18.6 Cr lit water per year as well as helped farmer to take up Rabi crop (Wheat and Mustard – done for the first time in Barmer), because lot of moisture has been retained by soil in and around the khadin structures.



- In addition to this, our dairy cooperative program has been significantly expanded with an increase in daily milk production from ~9500 litres per day to 37000 litres per day with the establishment of 5 Bulk Milk Coolers as well as introduction of Murrah breed.



Pictures from our Wadis with beneficiaries of the project



Towards Barmer's development: Barmer Unnati

SKILL DEVELOPMENT

- Training of local youth through various job oriented courses is being carried out through Cairn Enterprise Centre, Barmer and Cairn Centre of Excellence, Jodhpur. Courses like Mobile repairing, welding, masonry, domestic electrical repairing, motor repair and computers are being conducted. ~ 18,000 youth have been trained at the centre as on date.



Women in their practical training session in Masonry



Students at a Training Engagement Activity Session

- In Gujarat, regular trainings are conducted for women to enhance their employability and skill building through beauty parlor training, dori zula work along with English speaking and computer training.

PROJECT TAMANA

Cairn supports skill development training for differently-abled children and young adults through Tamana NGO. Tamana is a nonprofit organization which has been relentlessly working in the field of rehabilitation of the disabled since the last 3 decades. Tamana's first centre was inaugurated by Late Princess Diana in 1992. Since its inception, Tamana has been successfully providing rehabilitative services to children with autism, mental and multiple disabilities. Children with special needs are provided a holistic developmental education which includes special education, life skills training, therapeutic interventions and vocational training, to effect optimum adult rehabilitation. Young adults at Tamana are equipped with skills to adapt appropriately to the needs of adulthood and thereby, function independently. The program aims at creating infrastructure, which ensures a smooth graduation from school to the outside world, for the young adult and the family. It also aims to ensure training and placements of the young adults in various vocations and organizations. Cairn supports the initiative through payment of expenses for special educators as well as maintenance of infrastructure. We have also supported renovation of the physiotherapy unit at the Tamana Nai Disha Centre in a bid to improve loco-motor skills and create accessible health facilities for young people with special needs. While Cairn is supporting 20 differently abled children and young adults for skill training, the physiotherapy unit is useful for all 125 students of the centre.



Inauguration of Tamana Physiotherapy Centre by Mr Sudhir Mathur, CEO

INFRASTRUCTURE DEVELOPMENT

- In line with the vision of developing Barmer as "Green Smart city", various infrastructure and Greenland development initiatives have been undertaken by Cairn this year. Some of the key initiatives under this project has been – beautification of Barmer city, greenbelt development, promoting road safety culture, developing common parks, construction of 2 pavilion as a part of stadium development to promote sports in Barmer.

SPORTS – PROJECT DIVYANG

- An initiative to support para athletes; Cairn supports 3 Para Athletes of Rajasthan. Out of the three, two para athletes –Sunder Singh Gurjar and Sandeep Maan, were selected to represent India in 10th Fazza Para Athletics Championships – Dubai 2018 (World Para Athletics Grand Prix) conducted in Dubai between 13th Mar 2018 to 16th Mar 2018. Sundar secured 3 Gold Medals in Javelin, Shot Put and Discus Throw; Sandeep secured 3 Gold Medals in 100m, 200m and 400m, contributing 6 Gold Medals to the Medals Tally for India. Recently, Para athlete Sundar Singh Gurjar supported by Cairn created a new world record in Javelin Throw in F46 category with a throw of 64.11 metre at the PCI Indian Open Para Athletics Championship -July 2018.
- All three have been selected to represent India at Asian Para Games, Jakarta during Oct 2018 in their respective events. While Sundar will be participating in Javelin, Shot Put and Discus, Sandeep will be competing in 100 m, 200 m and 400 m sprints and Shatabdi will be participating in Shot Put. We expect a good haul of medals from our star athletes.



OUR PRIDE – STAR PARA ATHLETES



Sandeep Singh Maan at the Victory Podium

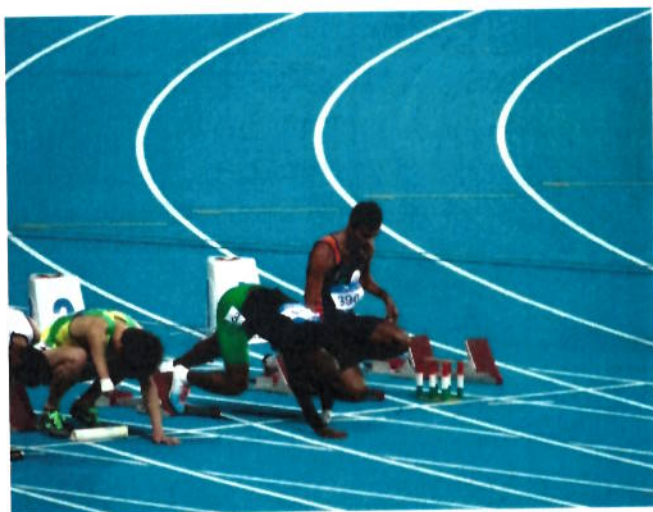


Sundar Singh Gurjar in World Record Breaking Action



Shatabdi Avasthi in action at 1st Indian Open Championship

Ampl.



Sandeep Maan takes stance at the starting block



Sundar & Shatabdi with their Medal Haul

OVERALL IMPACT

2.3 MILLION LIVES TOUCHED ANNUALLY ACROSS RAJASTHAN | 2017-18

SN	Vedanta Thematic Area	No. of Beneficiaries
1	Children's Well-being & Education	41,505
2	Women's Empowerment	1600
3	Health Care	20,36,000
4	Drinking Water and Sanitation	158,000
5	Agriculture and Animal Husbandry	33,444
6	Skilling of Youth	1061
7	Environment	35,000
8	Sports and Culture	5503
9	Community Development (Infrastructure)	17,500




IMPACT ASSESSMENT SCORE CARD

2017-18

SN	Program	Impact	Performance in 2017-18 (in%)
1	Skills Development	1000+ youth trained & employed with avg. salary of INR 1 lac per annum through our skill development centers - CEC, Barmer & CCoE, Jodhpur	93%
2	Health: Women & Child Development	Increase in: • Institutional delivery: 33% (Baseline 59% to Current 92%) • Post-Natal care, Breast feeding, etc.: 46% (Baseline 43% to Current 89%) contributing to reduction of IMR & MMR	84%
3	Health: Mobile Health Van (MHV)	95% of villagers are accessing 10 MHV facilities. Educated on hygiene and precautionary health measures	95%
4	Livelihood: Barmer Unnati – Agriculture & Natural Resource Management	a) Avg. Increase in annual income – • Horti-farmers: INR 70,000 • Cairn Agri farmers: INR 120,000 b) 48% increase in source of irrigation c) ~10lac cu m water harvested	97%
5	Livelihood: Dairy Development Project	a) ~ INR 8000 increase in avg. annual income i.e. from ~INR 50,000 to INR 58,000 b) 24% farmers (beneficiaries) have started selling milk and remaining 76% reported increase in milk production c) 3% increase in cattle inventory	100%
6	Safe Drinking Water	a) Annual savings of ~ INR 4300 for 73% beneficiaries by sourcing water through our RO plants vs other commercial sources like water tankers b) 93% reduction in health issues i.e. water borne diseases, joint pain, regular visit to doctors	93%
7	Sanitation	a) 77% increase in access to household toilets (Baseline 16% to Current 93%) b) Usage of toilets at 80% across the beneficiaries c) 8000 toilets constructed	80%

Third Party Assessment conducted by NR Management Consultants (NRMCC) reported 90.25% effectiveness of the programmes.

COLLABORATION WITH GOV. ACROSS ALL PROGRAMS

Continuous Collaboration with Govt. of Rajasthan

Water



PHED

103 RO Plants installed in Barmer district

Skills



Raj. Skill Livelihood Development Co

Skilled ~ 18,000 youths at CEC, Barmer and CCoE, Jodhpur

Environment Protection



Raj. Renewable Energy Co

27KW mini-grid solar power plant

Sanitation



Swachh Bharat Abhiyan – MoPRI

18,000 toilets constructed in Barmer

Agriculture and NRM



Mukhyamantri Jal Swavlamban Yojna (MJSA) – MoPRI NABARD

Water conservation, advanced farming, grazing land development



[Signature]

AWARDS AND ACCOLADES

In the Financial Year 2017-18, Cairn's CSR Projects have received recognition from a variety of sources. We at Cairn are committed towards our endeavors of improving the socio-economic status of the communities we operate in. Based on the last years efforts made for changing lives, some recognitions on external platforms have helped us to continue the good work with the mantra of "Can Do Spirit" at Cairn. Following is a list of awards that we have won in FY 2017-18:

SN	Name of Award	Rank Achieved
1	CSR Best Practices Award - For the process and procedures followed in governing of CSR activities at 7th Asia CSR Best Practices Award on August 2, 2017	Best in Class CSR
2	Community Project of the Year for Jeevan Amrit Project at 7th Asia CSR Best Practice Awards	Community Project of the Year
3	Responsible Business Awards 2017 under category of 'Best Community Program Leadership Award' for our Jeevan Amrit Program.	Best Community Programme Leadership award
4	India CSR Sanitation Leadership Award 2017	Large Impact Project of the year
5	India CSR award to Nandghar project under Award of the Year category 2017	Large Impact Project of the year
6	Cairn CSR team has successfully pulled off breaking TWO LIMCA BOOK OF RECORDS challenge simultaneously in nature category.	First one was for writing more than 25,000 slogans (challenging record of 6660 slogans in Gujarat) in same time at same place on account of the 'World Water Week'. The second record achieved is for the Oath taken to 'Save Water' by 2500 students (challenging record of 1500 students).
7	Bureaucracy today – for sanitation project	
8	Asia Water leadership Award	Community Project of the year
9	Rajasthan CSR Award - for Safe Drinking Water Project	Project of the year
10	ET NOW CSR leadership Awards	For 3 CSR programs – • Safe drinking Water, • Water Conservation and • Health Initiatives
11	Annual Corporate Collateral award-2017 (PRCI)	Gold award for CSR Brochure

