

### ABOUT TATA CHEMICALS SOCIETY FOR RURAL DEVELOPMENT

Tata Chemicals Limited (TCL) established the Tata Chemicals Society for Rural Development (TCSR) in 1980 to promote its social objectives for the communities in and around Mithapur, Gujarat where its facility is located. The service were further extended to the communities in and around Babrala, UP and Haldia, West Bengal.

The Society works to protect and nurture the rural populations in and around TCL’s facilities. It helps them achieve self-sufficiency in natural resource management, provide livelihood support and help in building of health and education infrastructure.

Taking into account the different geographical spread of the three regions and their individual subcultures, different environmental, economic and social development programs have been planned and implemented in these regions.



Ushering in the winds of change

we set in motion the wheels of sustainable development

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### Note:

All content in this publication is proprietary.



## President's Message

It gives me immense pleasure to release the TCSR D Annual Report 2015-16. The journey of TCSR D has been long since 1981 in improving the quality of life of people across its operational locations. During the year 2015-16, TCSR D has aligned its initiatives with the UN Sustainable Development Goals and has always been in forefront for supporting national initiatives like the Swach Bharat Abhiyan. TCSR D also joined hands with Tata Relief Committee whenever there has been need of funds & manpower for relief programs during natural disasters.

The selection of the key community at its operational locations has always been an important agenda for TCSR D so that it is able to reach out to the unreached population that needs focussed initiatives for ensuring their basic rights of sanitation, health & education. Since its inception, TCSR D has been engaged in improving livelihood of the marginalised population by improving the existing livelihood models and developing new alternatives through its natural resource management programs. TCSR D has scaled up its vocational skill development initiative by partnering with the Tata Group initiative - "Tata Strive". The focus to mainstream the drop out students is giving encouraging results through bridge education of SNDT University and Learning & Migration program in Gujarat. The efforts in the area of biodiversity conservation have helped in rescuing 491 whale sharks and rejuvenation of mangroves in Dwarka & Sundarbans.

TCSR D's engagement with its stakeholders like the government line departments, national & international institutions, partner NGOs & Community Based Organisations has helped in building sustainable models of development. The approach of sustainable development and transparency in program implementation has helped TCSR D in mobilising resources from various funding partners.

We aspire to develop more sustainable institutions, introduce appropriate technology and bring in behavioural change for overall development of the target population.

**Mr. R. Mukundan**  
Chairman & President,  
TCSR D

## TCSR D's Operational Areas



### ● DEVBHUMI DWARKA DISTRICT



### ● GUJARAT



The community development journey began in 80's in Mithapur, which is part of the Dwarka taluka in the Devbhumi Dwarka district. At Mithapur, TCSR D has been working in Okhamandal and Kalyanpur blocks. Mithapur is the home to the Chemicals division of Tata Chemicals Ltd. It lies on the western most tip of the Saurashtra peninsula. The most prominent community here is that of Vaghers. Lohanas, Rajputs, Rabaris, Muslims and Harijans are the other communities. The main occupation of the community is agriculture, which depends on the highly erratic monsoon. The economy of the region is also dependent on religious tourism, as Dwarka, Nageshwar and Beyt Dwarka are famous Hindu pilgrim sites of the region.

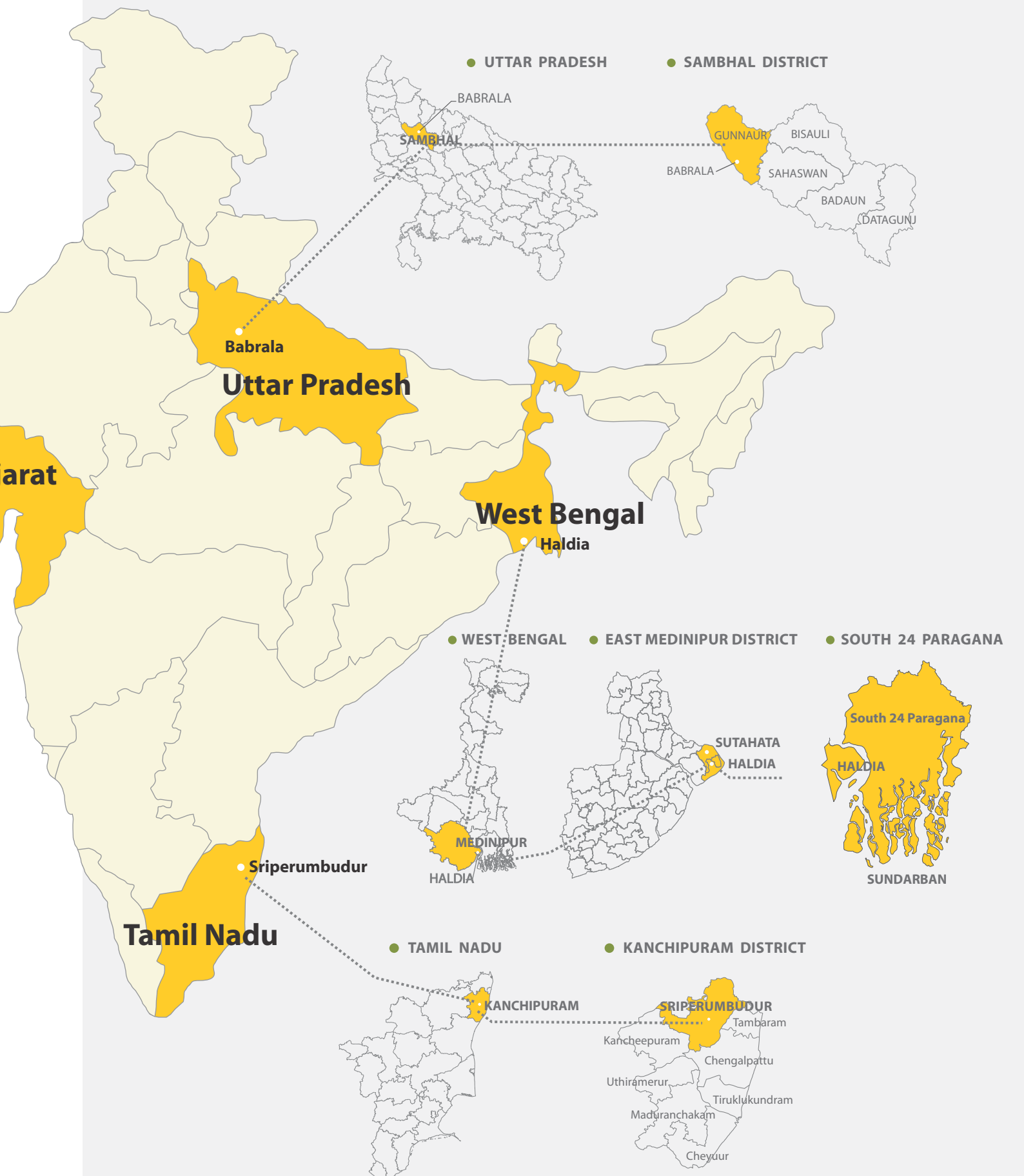
Tata Chemicals fertilizer plant at Babrala was set up in November 1994. Babrala is one of the backward regions of Uttar Pradesh in the Sambhal district, previously part of the Badaun district. The Gunnour, Rajpura and Junawai blocks, where TCSR D has been working since 90's has now become part of Sambhal district. Agriculture is the predominant occupation, followed by cattle rearing mainly buffaloes and cows. 90% of its population is engaged in agriculture based activities. It covers 75% of the total landmass area. Large-scale farming is absent as most of the household practices traditional farming, owning an average 3-6 bigha (1/3 acre). Area has a mix

of good alluvial / sandy loose soil, and some pockets of highly saline (usar) land, which is deficient in Nitrogen, Potassium, Phosphorus (NPK). The ground water level is high with abundant water available at shallow depths.

Haldia located in the East Medinipur district of West Bengal is a very busy port and an industrialized area. The literacy level is 70% and the living standard is above the average standard. At Haldia, TCSR D started its community development program in 2005-06.

On the basis of the need assessment and socio economic study, natural resource management, income generation, health, education and infrastructure development programs were initiated in Haldia and Sutahata blocks and most recently at Sundarban (South 24 Pargana).

Sriperumbudur located in Kanchipuram district of Tamil Nadu is approximately 50 KM from Chennai. We have identified 4 villages around our plant as our key community area and have started few activities on health and livelihood promotion based on the need assessment done in the area. The area is dominant with SC/ST population and the people are dependent mainly on agriculture / NREGS work.









## Introduction



Tata Chemicals Society for Rural Development was established and registered in 1980. It is operational in Mithapur, Babrala, Haldia and has recently started interventions in Sriperumbudur, Pune and Farukabad UP.

The programs of TCSR are divided mainly into five categories: Blossom, Enhance, Aspire, Conserve and Nurture (BEACON). TCSR follows an integrated approach and works on layering of different initiatives in the same area so that each one further consolidates the development achievements helping towards long term sustainable development of the community and environment. Over and above this, TCSR continues its focus on inclusion and empowerment specifically targeting women and the socially backward communities. Some of the key highlights of the year are mentioned below.

During the year TCSR worked jointly with OKHAI - centre for Empowerment for the promotion of handicraft products in all the locations. Introduction of new product range, and a focussed effort on market linkages helped in touching the overall sales turnover of Rs. 1.5 Crore in 2015-16. In order to expand the reach of Okhai, a strategy for linking up and on boarding new artisans was also conceptualised.

Some of the major initiatives for alleviation of poverty under "Enhance" were initiation of Okhamandal Samridhi Gram Pariyojana (OSGP) - Phase III in Mithapur, scaling up of Animal Husbandry Program in Babrala, promotion of SRI method of paddy cultivation in Haldia and developing kitchen gardens in Sriperumbudur.

Under the Aspire programs, TCSR partnered with Tata Strive and facilitated in setting up the "Tata Strive Skill Development Centre" in Aligarh. Tata Strive in turn helped TCSR with empowerment coaching for the TCSR staff so

that they can adopt the right approach to work for skill development of unemployed youth.

TCSR started the cloud based HP Life Centre for training of students on various computer courses. TCSR designed appropriate strategy to support meritorious students with scholarships with a long term commitment and engagement with the students. TCSR has also set up a new coaching centre at Haldia for coaching youth for preparation of government service examinations.

TCSR continues working in the area of conservation of bio-diversity and under the "save the gentle giant" project has been able to rescue 491 whale sharks till date. TCSR has started a pilot project on developing "Green village" in Mithapur which would focus on adopting green and sustainable method of land and water management. TCSR also continued plantation of mangroves in Mithapur & Sundarban coastal area.

Under the health and sanitation initiatives TCSR initiatives were majorly on women & child health with focus on combating malnutrition.

This Report for the year 2015-16 details the major programs that were undertaken at different locations during the year for the development of the key communities and the reach of the programs through different interventions. Partners of TCSR, participation of communities and linkages with government schemes are also highlighted.

## Blossom

*Promotion and development of traditional handicrafts - Okhai and Clusters Development*



**GOAL** Capacity building and empowerment of communities through sustainable and replicable handicraft development model.

TCSR is working for promotion and development of traditional handicraft by enhancing skills of the existing artisans and providing them market linkage opportunities. The program also includes introducing new skills among rural population and development of entrepreneurship capacities through cluster development approach. TCSR initiated this program with the saurashtra handicrafts of Okhamandal and at present is working with more than 500 artisans which include karjobi of Babrala and jute craft of Haldia.



Under the program TCSR is trying to enhance the skills of the artisans so that they are able to produce materials that compete in the local as well as existing markets in big cities. The products being produced by the artisans are sold under the OKHAI brand and also by the respective clusters at local markets.

The endeavour of TCSR is also to eliminate middlemen wherever possible so that the artisans get the fair amount of

wages of work and also own the group enterprise through cluster development.

### OKHAI

TCSR is promoting handicraft products under the brand "OKHAI" in all the locations with the objective of keeping alive the traditional skills and at the same time provide sustainable livelihood to the artisans. TCSR at present is working with 500 artisans across sites through the cluster development program and has been able to generate business turnover of Rs. 1.51 crores. The major focus of OKHAI during the year was on product innovation, online sales & exports.

TCSR has adopted the following strategies to promote handicrafts:

- Training of artisans to produce raw materials which falls under the value chain of the existing products or for making new products which have high demand in the market





- Capacity building on entrepreneurship skills and cluster development for institutionalising the artisans
- On boarding artisans from other Self-help groups through capacity building and setting up of backend quality processes.
- Facilitate in forward and backward linkages

#### Product Development & Developing skills of the Artisans

During the year TCSRDR organised a number of training program for enhancing the skills of the Okhai & karjobi artisans for improving on the quality of the Okhai products.

At Mithapur, six clusters / group enterprise have been formed. They are Bandhani, Rexene & Leather, Bead work, Jute, Block print and Coconut Fibre products, which are also linked to Okhai for providing a marketing platform for the same.



During the last year TCSRDR also collaborated with Gujarat State Handloom and Handicraft Corporation for training of 10 additional women on garment production. The training was successfully completed and the group has started getting purchase orders from different institutions. Similarly, TCSRDR Babrala also set up a new garment making training centre with top of the line Industrial machines.

Different products being promoted in Babrala are Karzobi, Incense, mobile Charger, Solar table lamps, paper envelop and paper carry bags.

TCSRDR also supported "Sevarthi Seva Samiti" a SHG federation for setting up its Jute product training cum production centre in Babrala. The objective of establishing this centre is to promote jute products in nearby cities and to provide an alternative source of income to the artisans.



In Haldia, TCSRDR is promoting the jute products made by women group of one village.

#### Rural Entrepreneurship & Cluster Development

Cluster Development program strives to develop entrepreneurship qualities in rural women and guide them adeptly engage in productive enterprises. TCSRDR organised training on entrepreneurship development for all the women members of SHG clusters, so that they are equipped with entrepreneur skills and can establish their respective production unit.



#### Backward & Forward Linkages of the Products

The backward and forward linkages of the products are very crucial for the sustainability of the cluster for economic activities. TCSRDR develops linkages with financial institutions, suppliers of raw materials, Design development, technical organisations for product up-gradation etc for providing the initial handholding support to the clusters. TCSRDR facilitates the market linkages of the cluster through OKHAI sales outlets at different parts of India. The products are also sold at local market and through exhibitions organised by TCSRDR at frequent intervals.



#### Major Highlights

- 500 Artisans engaged in various handicrafts like Okhai, Karjobi, Jute, bandhej, rexene products, coconut fibre etc
- Sale of Rs. 1.51 Crore
- Sales outlets in Mithapur, Babrala, Ahmedabad, Aligarh, Chennai, Kolkata, Bangalore, Jamshedpur

## Enhance

### Poverty Alleviation and Infrastructure support Programs



**GOAL** To help enhance income of key communities through Poverty alleviation programs.

Under "Enhance" TCSRDR is engaged in alleviation of poverty by enhancing income of rural households through promotion of farm and non-farm based activities.

The farm based activities include agriculture development, animal husbandry and other agri-allied programs for the households dependent on income from agriculture sector. The agriculture development programs are implemented as demonstration of improved agriculture practices which gives higher returns at low input cost. This has helped TCSRDR in reaching out to larger farmer population by helping them come out of the traditional methods and earn higher income by adopting new technology and use of improved agri-equipment. The dairy farming activity under Animal Husbandry is being implemented in Babrala where a larger portion of the population is dependent on cattle rearing. TCSRDR is also promoting agri-allied activities for households which have small lands and are dependent on income from labour work etc.

The non-farm activities include providing employment opportunities to rural youth in rural BPO (Uday Foundation) and other opportunities available locally. Under the program TCSRDR also provides infrastructure support required for promotion of the farm and non-farm activities like construction of cattle shed, ornamental fish stocking unit etc.

TCSRDR follows a participatory approach during identification and implementation of the programs which helps in sustainability of the programs. There is long term partnership between TCSRDR, community, government department and technical institutions for developing

sustainable & innovative programs that leads to overall promotion of livelihood of the target population.

#### Agriculture Development Program

A major population of the rural community in all locations is dependent on agriculture. The Okhamandal region lies in coastal area and faces serious issues of soil and ground water salinity. The region receives erratic rainfall and there are no major perennial rivers in the region. Though ground water availability is good, there is high salinity content, limiting its use for drinking and irrigation purpose. TCSRDR launched the Phase III of OSGP program in Mithapur with the aim of improving socio-economic status of farmers of 40 villages affected by salinity in agriculture land. The program targets to benefit 11,000 households through Natural Resource Management, drinking water & sanitation initiatives. The program would benefit rural households by promoting sustainable agriculture practices through adoption of new technologies, crop diversification, agri-allied activities, institution building and establishing linkages with stakeholders.

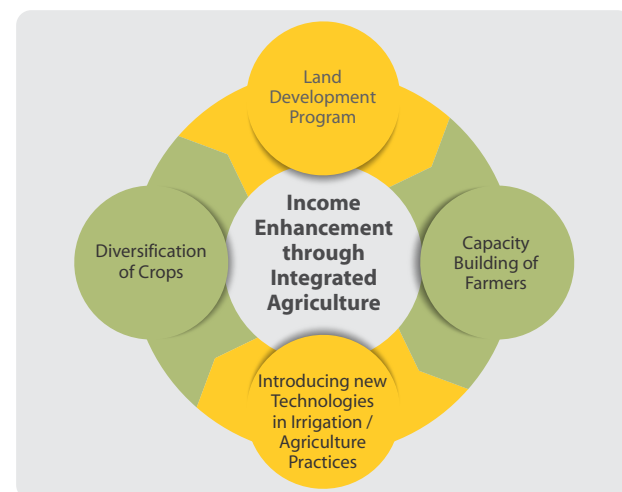
The major constraints faced by the farmers of Sambhal district are poor soil health, unavailability of quality inputs such as improved variety seeds, agri-equipment etc. The farmers are not fully aware of the newly developed technologies in agriculture sector.

Paddy is the major crop cultivated by farmers of Haldia as irrigation is dependent on monsoon. Some of the farmers residing beside water canal and have perennial ponds are able to cultivate second crop and there almost no agriculture production during summers.



TCSRDR has taken up agriculture development program in all the locations based on the needs of the area. The main objective is to enhance income of the farmers through integrated agriculture development.

The framework adopted for the intervention is depicted as below:



The details of activities that have been taken up at different locations are as under:

#### A. Land Development Program

The objective of the Land Development Program is to develop barren land into cultivable land and improve the soil fertility of existing land. The land development program initiated in 1993 in Babrala with the support of the Council for Advancement of People's Action and Rural Technology (CAPART) and later supported by the Sir Dorabji Tata Trust (2008) was first implemented in "Bengali Colony". So far TCSRDR has reclaimed 1864 acre of land. This year focus was on land re-reclamation in Gunnour Tehsil of Sambhal district. So far we have covered 92-95% of the barren land under land reclamation project. Rest of the land which has not been reclaimed are disputed so we have not intervened.

**Land Re-reclamation:** The land reclamation program is being carried out in Babrala & Mithapur. This year 42.20 acres of land were reclaimed in 18 villages of Gunnour Tehsil which benefited 39 farmers. So far TCSRDR Babrala has covered 710.1 Acres of land under this project. The process of Land Re-reclamation involves activities like soil testing, providing gypsum and other nutrients on the basis of test results. In Mithapur too, the problem of salinity in agriculture land was addressed by reclaiming 8 acres of saline land. Land reclamation has helped in converting saline lands into productive agriculture land at Babrala & Mithapur.



**Laser Leveling:** TCSRDR is promoting laser leveling of land using computerized equipment and Laser Leveler at Babrala. The uniform and leveled land makes it easier for farmers during tillage, seed sowing, fertilizer application, etc. This reduces the cost of diesel used for irrigation subsequently reducing in cost of cultivation and increased production. This process helps in proper and uniform spread of water during irrigation and has resulted in water saving by 15-20%. This year 400.73 acres of land have been completely leveled which has benefited 274 farmers of Gunnour tehsil. So far, total 1057.37 acres of land and 674 farmers from 68 villages have been covered. Laser leveling is now sustainable as the farmers are practicing the method without any external support.

**Promotion of organic farming:** In Babrala, TCSRDR started new initiative to improve the soil health through proper usages of organic fertilizers. Under this initiative 79.54 acres of land and 77 farmers from 14 villages of Gunnour Tehsil has been covered. TCSRDR provides organic fertilizers at subsidized price to the farmers. The recommendation of organic fertilizer is based on the soil test results. This initiative is aimed at improving soil health and balance nutrition of soil. Use of Organic fertilizer increases the organic materials in soil. It also increases the beneficial bacteria in soil.

In Sriperumbudur, TCSRDR imparted training to 53 women on organic farming system with focus on vegetable cultivation. TCSRDR also distributed 12 varieties of vegetable seeds which would help them in developing kitchen gardens in their respective houses.



In Mithapur, in partnership with Fisheries Department (Okha), TCSRDR trained 44 farmers on making seaweed liquid fertilizer from sargassum which is an algae present in abundance in dwarka marine. The seaweed liquid fertilizer contains important micronutrient which is beneficial for vegetable cultivation. The process of producing the fertilizer is very simple and cost is also very low as compared to inorganic fertilizer available in the market.

**Soil Testing:** The activities of Soil Testing by TCSRDR includes collection of soil samples from farmer, sending the sample to lab, explaining of results of soil test, training and counseling of farmer on proper and balanced use of fertilizers and nutrients.

Under this initiative, test of 509 plots of soil was facilitated by TCSRDR (Babrala) which benefited 291 farmers of Gunnour Tehsil. In Mithapur 10 soils samples were sent for testing to Junagadh Agriculture University and land treatment measures were taken based on the recommendations.



**Improved Irrigation System:** TCSRDR in Mithapur has linked 11 farmer groups (132 members) with Agricultural Technology Management Agency (ATMA) & KVK and has facilitated support of 95 sprinkler & drip irrigation equipment.

TCSRDR has also introduced solar power based drip irrigation system in Mithapur which has helped in saving energy, water & manpower required for agriculture farming ultimately decreased input agriculture cost to the farmers.

#### B. Capacity Building of Farmers

TCSRDR organised various trainings & exposure visits for the farmers to enhance their knowledge which can be utilised for improving agriculture production. During these programs, farmers learnt about agriculture planning, risk management, insect pest management, new varieties of seeds and scientific way of farming.

**Farmers Training Programme:** The farmers are trained on improved agriculture practices by in house training programs, training at Krishi Vigyan Kendra and other agriculture research centres and exposure visits.

In Babrala, TCSRDR organized 6 training programs for 579 farmers of 37 villages.

In Mithapur, the training of farmers on seed treatment, field preparation and crop management helped the farmers start growing cash crops using scientific methods in 155 acres of land. This has helped in increasing income of farmers by Rs. 11500 (avg.) per acre. Farmers were also trained to produce organic pesticide & fertilizer which helped in reduction in input cost. 1400 farmers were directly benefited by increase in land productivity, irrigation & crop management.

In this financial year 12 farmers exposure visits covering 82 farmers were organized in Babrala. Farmers were taken to



best farmers farms and Government agriculture farms and institutes. 313 farmers participated in 2 Kisan Mela's organized at two different locations - IARI Pusa, and G B P A U & T Pant Nagar Uttarakhand.

In Mithapur, 43 farmers were sent to Sanand Emtelle India Limited-Parixit Industries of where they learnt about micro irrigation system and acid treatment. Under the OSGP program, 39 farmers visited Cotton Research Centre (Dantiwada) for awareness on cotton farming system.

#### C. Introducing new Technologies in Irrigation / Agriculture Practices

**System of Rice Intensification (SRI):** The System of Rice Intensification method of paddy farming is a method suitable for midland. The process helps in less use of water, labour, seed & fertilizer and at the same time results in high yield of harvest. The farmers were trained on SRI principles, seed treatment, nursery preparation, seedling raising, land preparation, harvest technologies and preservation of seeds.

During the year paddy cultivation in SRI method was demonstrated in 45.2 acres of land in Babrala. In Haldia, training on SRI was imparted to 513 farmers. There was average 20% high return of paddy harvest under SRI method as compared to traditional method.

**System of Wheat Intensification (SWI):** The objective of introducing this method was to increase production and decrease the input cost on seed and fertilizer. Under this method seed cum fertilizer drill machine is used which helps in proper sowing of seeds and application of fertilizer. The sowing of wheat in lines and rows help in proper aeration and prevent water logging. In this year, 562 acres of land was demonstrated by SWI cultivation. This has resulted in average increase in production by 10-15%.



**Wheat Sowing by Happy Seeder:** To promote the Farm Mechanization technology, TCSRDR piloted Wheat Sowing by Happy Seeder at its TCSRDR Demonstration Farm. Total 2 acres of land was cultivated using this method. The happy seeder machine helps in cutting the previous crop residue and mixing it with soil. The Happy seeder machines help in reducing the sowing time by at least 15 days; it increases the organic matter in soil, save one irrigation and reduces overall input cost of production.

#### D. Diversification of Cash & Catch Crops

In Babrala, the diversification primarily involved substitution of usual cultivation crops like Wheat and Paddy to cultivating vegetables, pulses (Black Gram & Arhar), Oil Seeds (Toria & Mustard), Onion, Hybrid Maize & Mentha etc. During the year, seeds of pulses, toria & mustard were



distributed to 231 farmers for cultivating in 187 acres of land. Similarly seeds of paddy, maize & vegetable were distributed to 279 farmers for cultivating in 283 acres of land.

**Seed Multiplication:** This is an innovative method started in the area to develop good quality of seeds. The farmers were provided trainings on seed multiplication and were supported with quality breeder seeds. During the year 282 farmers were supported with seeds of paddy & wheat for cultivation in 369 acres of land.

**Inter Cropping:** TCSRDR promoted intercropping system in Babrala by missing menthe with wheat & sugarcane and missing sugarcane with potato, mustard & black gram. This has helped in decreasing weed growth in the agriculture land. This year inter cropping pattern was demonstrated in 55 acres of land which benefitted 60 farmers.

**Crop Demonstration in Mithapur:** TCSRDR supported 13 farmers of 10 villages of Okhamandal for demonstration of groundnut, cotton, sesame seed and vegetable cultivation in 260 acres of land after training them on improved practices of agriculture that also include IPM (Integration of pest Management).

TCSRDR also introduced horticulture crops like papaya, coconut & new wheat variety (KRL-210). Many farmers adopt papaya cultivation because they can generate higher income and more water use efficiency through papaya.

**Mushroom Cultivation in Haldia:** In the surrounding villages of Haldia, there are marginalized families which are landless and are dependent mostly on wage and agriculture labour work. During development of village micro plan TCSRDR identified households and planned for agri-allied activities in small plots of land adjacent with the houses. TCSRDR after several focused group discussions came up with plan of mushroom cultivation in these households. This year 59 Women were trained on mushroom cultivation. The mushroom cultivation is very profitable as the cost of production is very low, it does not require dedicated labour and large space and it can also grow in homes.



#### Animal Husbandry Development

Animal husbandry practice provides ample opportunities for subsidiary income for rural households. The AH program was initially started in Babrala which is getting replicated to Mithapur & Haldia.

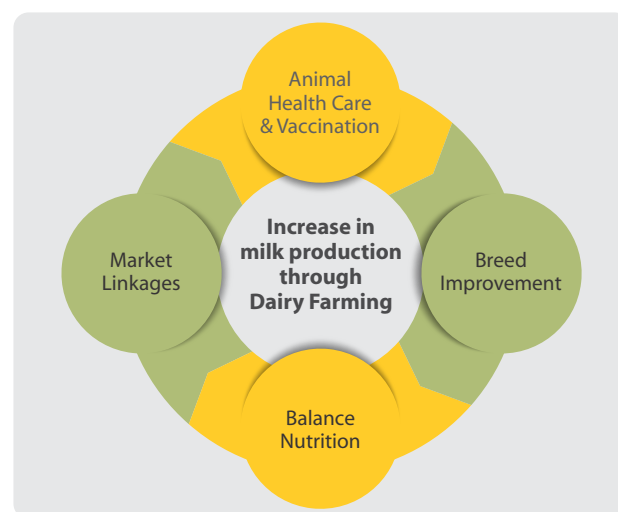
#### Dairy Farming

In Babrala, major population is engaged in selling milk which generates steady source of income to the cattle owners. TCSRDR is dedicated to provide quality services and



facilities to ensure reduced expenditure on animal health & high income from dairy farming. The activities undertaken under dairy farming are interconnected and help in increasing milk production and finally higher income to the owners.

The framework under the program is given as below:



**Animal Health Care & Vaccination:** Activities in this project include OPD, FMD Vaccination, HS Vaccination, Deworming Camps, and Animal Health Camps at different locations. In the financial year 2015-16, 4120 animals were examined & treated at OPDs which benefited 3670 households from 42 villages.

**Animal Health Camps:** Total 1058 animal were examined & treated at 3 camps. Around 858 cattle owners from 105 villages participated with their animals in these camps.



**Vaccination:** During the year, 31371 cattle for FMD & HS in Babrala. Due to this vaccination initiative, there is zero

mortality of animals due to FMD and HS. In Mithapur 63000 cattle were vaccinated and in Haldia 5218 cattle were vaccinated.

**Deworming Camps:** Deworming camps were conducted in 11 villages which covered 741 milch animals and 747 calves and benefitted 599 cattle owners.

**Breed Improvement:** In Breed improvement more focus on AI (Artificial insemination), establishment of AI Centres and Para vat training. Under this program Cross Breeding of cattle's and buffaloes was done with high milk yielding breeds like Holstein Friesian, Jersey, and Sahiwal and Murrah buffaloes.

**Artificial Insemination:** This year TCSRDR supported cattle owners for Artificial Insemination 16286 Cows & Buffaloes inseminated with high milk yielding genetic materials. In Haldia 598 cows were artificially inseminated.

**Extension of Murrah Buffaloes:** This year TCSRDR supported 37 cattle owners to purchase Murrah buffalo from Haryana & benefited.

**Developing Para-vets:** TCSRDR has trained and developed para-vets who reach out to households and provide animal health & AI services on payment basis. During the year, total 38 Para-vets have been trained and 31 Para-vet have started working at the village level. They are now self-dependent and earn Rs. 15000 to 30000 per month.

**Balance Nutrition:** Balance nutrition is essential for animal health and increase milk production. Under this activity, Green fodder seeds like Barseem & Sorghum are distributed to cattle owners on subsidised rates so that green fodder could avail for their cattle. Sorghum seed were distributed in 9 villages, 13.86 acres area covered with 68 cattle owners benefitted. Barseem seed were distributed in 11 villages, 24.02 acres area covered with 324 cattle owners benefitted.



**Market Linkage:** TCSRDR has established linkages with milk collection centres of Mother Dairy, Paras Dairy, Gopal Dairy, Saras Dairy & Hind Dairy for sale of milk of the cattle owners. This has helped in collection of approximately 6000 litres of milk in 28 centres in surrounding 10 villages.

#### Pond Management in Haldia

In rural West Bengal ponds are used for fish production, sometimes for irrigation but mainly for domestic purposes, such as cooking bathing and washing clothes and kitchen utensils. The objective of the pond management program is to manage ponds as a natural resource in a hygienic manner and practice pisci-culture and integrated farming for income generation. TCSRDR on the basis of the research

findings has planned to introduce new species in pond management like the culture of cat fishes and prawns along with the culture of the Indian major carp species. TCSRDR has been successful in introducing the culture of cat fish along with the culture of ornamental fishes. The culture of ornamental fishes has been scaled up seeing the impact of the activity. This year around 125 women were trained on pond management and culture of ornamental fishes. The impact of the program is that 100 households have taken up this activity and are earning an additional amount of approximately Rs. 24,000/ annum.



#### Poultry Farming in Haldia

The poultry farming as an agri-allied support was taken up after consultation with the villagers. The objective of the program is to promote livelihood of the marginalized population who do not have enough agriculture land to cultivate cash crops. TCSRDR organized 7 days training program for the beneficiaries. The topics covered were types and process of poultry farming, procedure for making poultry farm, feeding, treatment and vaccination of chicks. The program has benefitted 57 households of the hamlet through improvement in their livelihood. This project has helped in increasing the family income of the households by Rs. 2000 per month.





# Aspire

## Education & Vocational Skill Development



**GOAL** To facilitate and empower local communities to seek functional education and skills to enable sustainable socio-economic development.

### Education

Education is an important intervention in all the operational areas of TCSR as it helps in development of an individual from early childhood. While other interventions of TCSR are helping in promotion of livelihood of rural households, the intervention on education secures bright future for the next generation. Education is the only way through which the dependency on agriculture can be reduced and alternate source of livelihood is secured through employment in the secondary and tertiary sectors.

TCSR works closely with schools, colleges and educational institutions in the area and develops long term engagement with the students needing external support for completing their formal education.

While the education programs at all locations have been taken based on the need of the area, focus is to target zero



drop-out of students at all levels of education starting from pre-primary education. The different interventions of TCSR cater to improve quality of education in schools, scholarship support to meritorious students, ensuring basic infrastructure support to schools, imparting bridge courses and provide required coaching support to youth for their academic and professional growth.

### Interventions at school level

TCSR at Babrala is implementing the program with the goal to improve quality of education in the area and improve learning abilities of students through which they could read, write and calculate and express according to their class standards. With the help of this program TCSR is developing school going habits among the 3-6 years old children and mainstream dropouts within age of 14 years. The project is being implemented in 7 Primary schools of core command area. In each of the school Centre the volunteer teacher makes 4 batches on the basis of learning ability of students. The categories are Play group (develop school going habit), Akshar level group, Shabd level group and Kahani Level group. The teacher takes 3 months class for all the batches separately and helps improve their learning skills.

In Mithapur, TCSR celebrated "ShalaPraveshUtsav" during which 2725 newly admitted children were gifted with a school bag and educational kit. This was done to motivate the parents to send their children to school.

### Bal Utsav Program - 2016

TCSR celebrated Bal Utsav - 2016 in Mithapur during which there was participation of 350 students and 50 teachers



from 23 schools of Okhamandal. Bal Utsav was organized to provide platform & encourage students to showcase their talents and develop within them the attitude to perform and win. The program was organized with the support of TCL volunteers who train the students in their respective schools. The various activities included Science exhibition, Quiz, Drawing competition and cultural programs.

Similar program was organized by TCSR Haldia with participation of 400 students from 7 schools. The different programs organized were debate, elocution, extempore, poster making, singing and dancing. The school winning the maximum number of prizes was awarded the best school of the year.

### Residential Summer Camp

TCSR (Haldia) in association with ALAPAN organized seven days summer camp for the government school students for personality development and improving English speaking skills. 168 students actively participated in the program.

### Intervention at higher education level:

#### SNDT Girls Education classes:

The education level of girls in Okhamandal was very poor due to poor financial condition of families, lack of inclination towards girl's education and long distance of high schools and colleges. TCSR started the SNDT centre in Mithapur with the objective to mainstream the drop out girls and support them to complete graduation level. The centre was established and is being run with support from highly motivated volunteers. The centre has been affiliated to the SNDT Women's University of Mumbai and runs distance learning course for women who have dropped out from education. The bridge course has been designed for drop out girls so that they are able to complete secondary, higher secondary & graduation. It includes both formal & informal education under which the women also undergo technical training courses as per their interest. The language used for undergoing the distance learning course is Gujarati which



makes it easier for the students to understand and complete the course. TCSR supports the drop out girls with tuitions for preparation for UET (University Entrance Test) which is equivalent to higher secondary and is a pre-requirement for taking admission to 3 years' bachelor degree course. During the year, SNDT has supported 275 women to complete graduation.

### E - Library & Future classrooms

TCSR started the cloud based computer courses in Babrala in partnership with HP Company. The courses are meant for students of schools, colleges & technical institutions, entrepreneurs, teachers and other professionals to enhance their computer application skills. The students of this center also get access to online educational resources required for their online course curriculum.



The online system also gives the student access to E - library which contains study materials required for competitive exams & higher studies, journals, magazines, and newspapers etc. The e library also creates an environment of learning for rural students with all modern facilities for their knowledge development and professional growth. On an average, the e - library is being used by 30-40 students every day.

### Career Resource Centre & Coaching Classes



TCSR is running coaching centers for preparation of government service entrance exams in Babrala & Haldia. The Career Resource Centre at Babrala runs coaching classes for polytechnic exam, Maths and Science courses for 9th-12th students, English Development classes, Jawahar Navodaya Vidyalaya Entrance Exams and preparation of Govt services entrance exams. This year through coaching classes 7 students appeared in CIPET (Central Institute of Plastic Engineering and technology) of which 4 students got admission in CIPET College. A separate batch of 21 students successfully qualified and joined Tata Motors as "On the Job Trainees".



In Haldia TCSR in partnership with ALAPAN is running a Career Resource Centre in which 32 youth were enrolled during the year for coaching on preparation of government service examinations. 4 students have got government job after completing the coaching classes.

#### Infrastructure Support

TCSR at all locations has been providing infrastructure support to rural schools by construction of boundary wall, toilets, drinking water facility, support with desk and benches etc.

#### Scholarship

##### "Desh Ko Arpan" program

The Desh Ko Arpan Program is organized in Mithapur every year to provide scholarship support to deserving & meritorious children of salt workers studying in Std VIII - Std XII. During the year 140 students were supported with scholarship amount of Rs. 4000 to Rs. 7000 on the basis of their performance in their respective exams. TCSR also supported 17 diploma / degree students with scholarship amount of Rs. 15000 each.



In Haldia and Babrala also, TCSR has been providing scholarship support to meritorious students so that they continue their education and do not become drop out from the formal education system.

#### Major Highlights

- 323 students provided scholarship support
- 375 drop out girls mainstreamed at higher secondary level
- 2632 students benefitted under Learning & Improvement Classes

#### Skill Development Program

There is increasing dependency on the primary sector for employment of the increasing population and it's a challenge for a rural household due to decreasing land-holding size of available land. The country is facing problem of unemployment among youth which is leading to high rate of migration to urban areas in search of job.

There is increasing demand for skilled labour both in organized and unorganized sector but there is limited supply due to lack of required skills sets. TCSR is engaged in empowerment of the marginalized by providing them with economic opportunities through vocational skill training, promoting entrepreneurship and facilitating in development of micro enterprises in the home state of the target population. TCSR also facilitate in placement of the trainees as per the current market needs and demands.

TCSR is running the skill development program in

Mithapur, Babrala, Haldia and Sriperumbudur to train unemployed youth and facilitate in their employment or entrepreneurship development.



The vocational skill training includes mobile repairing, computer repairing, electrical fittings, AC/Refrigerator repairing etc. There are specially designed training for women like tailoring, beautician course and nursing. TCSR has also tied up with CSTI (L&T) for providing industrial trainings like bar bending, masonry, electrical fittings & carpentry. The training also included component of soft skills for overall personality development and entrepreneurship development for developing entrepreneurship skills among youth.

#### Mithapur

In Mithapur, TCSR conducts Achievement Motivation Training for the applicants to select the right candidate for vocational skill training courses. Selected youth are trained at partner's training centre at Ahmedabad, Rajkot and Vadodara and at our own training centers at Mithapur & Dwarka.



This year, there was a renewed focus on hard core industrial technical skills like welder & fitter, electrical, diesel mechanic, CNC operator, bar bending etc. TCSR facilitated 217 candidates for these trainings, out of which 174 candidates have already been placed at various industries in Kutch, Sanand, Surat, Vadodara and Navsari.

The partners for this training were Rishi Vocational Education (Vadodara), Vijaya Technical Training Institute (Vadodara), SR Shroff Aaajevika Trust (Vadodara) and L & T Construction Skill Training Institute (Ahmedabad).

#### Babrala

**Vocational Training Institute (Babrala and Gunnour):** In the financial year 2015-16, 808 students were enrolled in five trades at the Vocational training institute out of which 110 students have been able to find job post completion of the training.



**Computer and IT Training Centre:** Under this course 280 candidates completed courses on basic computer application, Desktop Publishing, Accounts at Tally.

**Garment Cutting and Sewing Training Centre:** 124 women completed six months course successfully.

**Beautician and Skincare Training Centre:** 75 women completed the six months course and 5 have already started their own beauty parlors.

**Mobile Repairing Training Centre:** Mobile repairing course is high in demand among the youth. During the year 147 candidates completed the course and 6 youth have already started their own mobile repairing shops.



**HP life Classes:** HP life courses are based on enterprise development and improving IT skills. During the year 837 students from the Vocational Training Institute underwent the online courses.

Entrepreneurship Awareness camps at ITI and polytechnic: The objective of the EAC is to sensitize the science and technology background students of final year towards entrepreneurship and make them realize that



entrepreneurship is one of the most important solutions to the growing unemployment in the country. During the year, this camp was organized in two technical institutions in Badaun & Sambhal and 164 students were covered.

#### Haldia

In Haldia, TCSR organizes training on vocational skills in partnership with Jan Shikshan Sansthan & Webcon Consulting India Ltd. The trades selected at Haldia were beautician, tailoring, mobile repairing and electrician training. This year a new training has also been started on retail management in partnership with NIIT which has high scope of placement in the retail sector.



TCSR has also initiated vocational training in Sundarban in different trades like mobile repairing, carpentry, masonry, 2/3 wheeler repairing, solar light repairing, computer operation etc. These trades were selected seeing the demand as well as the interest of the youth. The training on carpentry and masonry was done at L&T CSTI Centre and the youth have got job placement in Mumbai & Delhi.

#### Major Highlights

- 1929 youth provided skill development training
- 164 students of technical institutions underwent training on entrepreneurship development





# Conserve

Nature Conservation,  
Mitigation of Climate  
Change Impacts  
Natural Resource Management



**GOAL** To maintain ecological balance and conserve natural resources through participatory approach for environment sustainability.

Natural resource management is an integral part of sustainability and is necessary for development and sustenance of human and societal growth. TCSRDR has been involved in various environment and natural resource conservation projects in all locations. TCSRDR's focus in Mithapur which is an environment sensitive zone has been to conserve and restore the bio-diversity and coastal eco-system of the area. The comprehensive initiative at Mithapur has been named as the "Dharti Ko Aarpan" program under the umbrella of sustainability.

In Babrala, TCSRDR is promoting use of solar energy run products for both domestic and external uses. In Haldia TCSRDR is running the mangrove rejuvenation program in Sundarbans and is also promoting use of bio-gas plants and energy efficient chullah.



TCSRDR has also been promoting appropriate technology for land & water management which leads to sustainable

livelihood in the operational area like the construction of check dams, land reclamation, maintaining soil fertility through the use of organic fertilizers, right use of irrigation system. The land & water management program not only helps in promotion of livelihood but on the other helps in preventing degradation of the natural resources. Therefore the land & water management programs are intertwined with poverty alleviation programs.

## Initiatives under Conserve Whale Shark Project

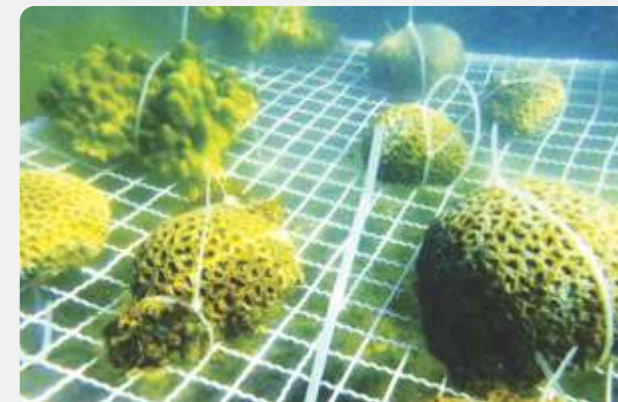
The Whale Shark conservation project has been continuing since 2004 in partnership with the Wildlife Trust of India and the Gujarat State Forest Dept. This project aims at conservation of the endangered Whale Shark, the largest fish in the world and a regular visitor to the Saurashtra coast. The project is currently in its third phase which focuses on habitat study, and research on migratory pattern and breeding biology of this fish.



A total of 101 Whale Sharks caught incidentally in the fishing nets along the Saurashtra coast were rescued and released during the year taking the total rescue figure since the inception of the campaign to 591.

## Coral Reef Recovery Project

TCSRDR has been engaged in test of water samples for temperature, salinity, pH, dissolved oxygen, conductivity and turbidity along the coast of Mithapur. TCSRDR also monitored biological parameters and growth of the Mithapur coral reef including coral garden and artificial reef complexes also continued.



TCSRDR created 830 square meters of artificial reef and arranged required limestone underwater. Development of coral nurseries for creation of a coral garden was taken-up at 15 locations on this artificial reef.

## ECO Clubs Program

The ECO Clubs program aims to create awareness on biodiversity conservation and "Climate Change" amongst the community, especially students of rural schools in and around Mithapur as also TCL employees and their family members.



A total of 122 programs on conservation awareness and Climate Change were organised during the year covering over a total of 6,000 students, teachers and volunteers. These programs included plantation drive for rehabilitation of coastal sand dunes, nursery activities for raising the endangered Gugal (*Commiphora wightii*) plant seedlings, field study visits, snakes awareness programs in schools and the ECO Fair project which focused on Climate Change awareness.

## Mangrove Plantation Project

Mangroves are an important component of coastal ecology and they also help protect the coast against erosion and tidal surge. The mangrove plantation project aims to restore the mangrove cover at the Rukshmani Creek site near

Dwarka. The efforts put in at mangrove plantation over the last five years have started yielding results and profuse seeding was observed during the monsoon season.



TCSRDR is also engaged in plantation of mangroves in Sundarbans which is a step for disaster management. The major activities of the project are Formation and capacity building of village committees, federation and Apex Committee and plantation of mangroves. TCSRDR planted 55,000 mangroves in Hingalgaunge block of North 24 Pargana. The protection of the mangroves is done by the women groups and is monitored by the village and apex committees. The villagers and school children are made aware of the different mangroves varieties existing and planted in the coastal area. They are also made aware of the importance of mangroves for disaster management and are sensitized for its preservation.

## Biodiversity Reserve Plantation Project

The Biodiversity Reserve Plantation project is an ex-situ attempt for conservation of the fast depleting indigenous flora of Okhamandal. A 150 acre botanical reserve has been created at Mithapur for the purpose. Species enrichment efforts continued and five new indigenous flora species - Ajagandha (*Cleome gynandra*), Navi Val (*Corallocarpus conocarpus*), Hanuman Vel (*Ipomoea marginata*), Beach Cabbage (*Scaevola taccada*) and Hemkand (*Maerua oblongifolia*) were introduced at the site.



## Vibrant Gujarat MOU Gugal Plantation Project

The Vibrant Gujarat MOU Gugal Plantation Project aims to conserve the local genetic strains of the endangered Gugal (*Commiphora wightii*) Plant in Okhamandal region. The gugal plant has high demand for its medicinal values and is used for making drugs for reducing cholesterol, blood lipid disorders and obesity. This resin is also used by perfume industry and for manufacture of agarbattis. With concerted efforts and long term planning, Gugal plantation can open up new avenues for income generation in a big way in arid and drought prone areas.





The Gugal project is planned to develop a 30 acre plantation of this endangered species in a phased manner. Site clearance and land development work was organized on 15 acres area along the coastal sand dunes at Mithapur and plantation of Gugal seedlings on 6 acres has been completed.

#### Marine Turtle Survey

The beaches on the Okhamandal west coast feature nesting sites for two endangered species of marine turtles - the Green Sea Turtle (*Cheloniemydas*) and Olive Ridley (*Lepidochelys olivacea*) turtles.



TCSR is engaged in monitoring of coastal erosion at the six beaches - namely Okhamadhi, Bhimpara, Shivrajpur, Sagar dam, Mithapur and Kala Tul beaches and also monitoring nesting and mortality of turtle.

#### Climate Neutral Village Project

TCSR (Mithapur) is working on a pilot project on the concept of "Climate Neutral Village Project" to mitigate and calculate the positive impacts of sustainable land & water management practices. TCSR has undertaken substantial projects under different sectors (agriculture, non-farm livelihood, natural resource management, water etc.) that have been pivotal in reducing the vulnerability of communities to the effects of climate change within the Okhamandal region.

The main goal of the project for this year was to operationalize CNV concept into a project with 100 households in Poshitra village.

The major activities undertaken during the year were:

- Formation of a community based institution to generate participation and climate adaptation measures under different sectors
- Strengthening community engagement through the Village Development Assistant/Volunteer concept
- Generating awareness on impacts of Climate Change in Okhamandal

To implement the project TCSR has formed a farmer's group namely 'Momai Kisan Group' in Poshitra with 13 members from four villages. TCSR is promoting new technologies in agriculture (solar zatka), sprinkler irrigation, high yielding seed varieties, horticulture farming, use of organic and sea weed fertilizer etc.

#### Rural Energy

##### Bio Gas Plants

In Mithapur, 90% of households in Okhamandal block and in Haldia, 25% households of Sutahata Block rely on fuel wood as a source for cooking. This directly affects ecological balance and contributes in carbon emission leading to health hazards.

The Deenbandhu model has been found to be suitable at both the places as it is very easy to maintain and affordable by the rural households. The plant can produce 3 kg gas per day helping them to cook all three meals of the day for the family. The raw materials for plant are the cow dung and other bio-degradable wastes. The slurry extracted from the plant can be used in the farms as fertilizer.

#### Energy Efficient Cook Stoves

In Sutahata block of Haldia, the rural household are mostly using traditional stove system for cooking. The community willingly accepted the smokeless chullah when TCSR introduced it as they couldn't buy expensive LPG cylinders. 400 such chullah were constructed in 10 villages. Impact study was conducted in 6 villages covering 155 household. According to the report all the beneficiaries are continuing cooking in this energy efficient Chullah. This has helped to curtail the breathing problem of the people caused due to smoke. It has also helped in reducing the dependency on fuel wood.



#### Solar Energy

**Street Light:** The solar energy project has been initiated in Babrala to provide light to the rural community by using clean technology and also address issues of health, safety, income and education. This year 5 Street Lights were installed in Navodaya Vidhyalaya Gunnour with the support of UP NEDA. This system is very useful for lighting of roads, boundary wall of colonies / factories, village path, gardens, narrow lanes of towns etc. The lighting system is fully automatic and uses C.F.L. (Compact fluorescent Lamp) which consumes less energy.

**Domestic Light:** This year 183 households of core command area were supported with Solar Domestic lights. The households have stopped using the kerosene oil lamps which is not just reduced expenditure on kerosene oils but also curtailed negative health impacts on the family members. The light in the house has also helped in education of children, safety and social status of the family.

## Nurture

### Health Care, Nutrition, Sanitation & Safe Drinking Water



**GOAL** To improve the health status of community through preventive and curative measures.

Health care is right of every individual but the access to basic medical facilities is a challenge in rural India due to various reasons such as poor infrastructure, unavailability of medical functionaries, lack of mobility etc. Due to unavailability of health care services and poor sanitation the rural population suffers with various diseases which leave no choice for a rural household but to approach an expensive private medical clinic.

In Babrala, TCSR provides low cost health care services where there is very poor accessibility of the government health services. TCSR runs both permanent OPD clinic and mobile health clinic for health check-up of the rural population by qualified doctors. In Mithapur, Haldia & Sriperumbudur health care services with the help of health camps.

TCSR also focuses on preventive health by raising awareness of the rural population on preventive methods, supporting with sanitation facilities and ensuring safe drinking water.

#### Health Care & Nutrition

Under the Health Care & Nutrition initiative, TCSR has been focussing on both preventive and curative health measures. TCSR organised awareness camp for generating awareness on special occasions like Anti-Tobacco Day, International AIDS Day, and Safe Motherhood Day etc at different locations.

In Babrala, TCSR runs permanent & mobile health centres for general health check-up of people. Eye camps were

organised in Mithapur, Babrala & Haldia for general eye check-up and also facilitated for operation of patients having cataract in their eyes.



#### Women & Child Health Program

TCSR in Babrala, has been facilitating government run health program in the rural communities like Janani Suraksha Yojna especially targeting women and child health. Prime importance is given to vaccination of pregnant women, children (0-10) years and adolescent girls. To reduce Maternal & Infant Mortality Rate, Mobile Health services have been provided in 40 villages of Gunnour Tehsil. The expecting mothers and infant identified by the ASHA and field coordinator are motivated for regular check-up and vaccination. The patients with gynaecological problems are given counselling & medical advice. 12965 women and children got vaccination and 4399 patients were provided treatment at village level during the year. Though services are being provided through the mobile



clinic, the endeavour is also to create awareness about available govt. health care facilities and schemes generate demand for primary health centres.



In all the 40 villages, Village Health, Sanitation and Nutrition Committees (VHSNC) have been formed for village level planning & monitoring of health activities.

### Nutrition Program

An ambitious project has been conceptualized by TCSR D to tackle the current most disturbing issue of our country i.e., malnourishment among children. Recent data claim that India is home to the highest percentages of undernourished children in the world. 48 per cent children under the age of five are stunted (too short for their age), which indicates that half of the country's children are chronically malnourished and hence a major threat to social and economic development.



### Mithapur

TCSR D identifies mal-nourished children within 0-5 years by organising camps with the support of Mithapur Hospital. During the year screening of 451 children 28 children were sent to Rajkot and Ahmedabad for their treatment.

### Babrala

TCSR D conducts survey and camps at Anganwadi centre of 11 villages of core command to understand the reasons of malnourishment among the rural population. During the year TCSR D identified malnourished children and provided counselling to parents for their care & treatment. TCSR D also supported with protein supplements for these children. TCSR D also organised camps to identify women suffering with anaemia. The women were made aware of the scales of haemoglobin contents in their blood, causes of anaemia, its treatment and the remedial measures. The women & children were also supported with required treatment & medicines.

### Haldia

TCSR D in Haldia has identified mal-nutrition as a major issue among the marginalized population specially the women

and children within the age group of 0-5 years. TCSR D started the Mother and Child Health project in Sutahata block of East Midnapur through the ICDS department. The project is being implemented with technical support from Child In Need Institute (CINI) and has adopted 1000 days approach to improve health status of mother and children. TCSR D has been able to establish linkage with district Nutritional Rehabilitation Centre and the health department for treatment of the severely mal-nourished children. During the last year 53 severely mal-nourished children were sent to NRC with the support of the ICDS and ASHA workers.

TCSR D also organized National Nutrition Week, Safe Motherhood Day, Breast Feeding Week, Anemia Camps, health check-up camps for children and Women's Day to generate awareness on nutrition & preventive health and government schemes available for treatment. To strengthen the ICDS department, TCSR D organized training on adopting appropriate methods of identifying mal-nourished children and effective communication skills for the ICDS workers.

### Drinking Water & Sanitation Mithapur

TCSR D has partnered with WASMO for undertaking drinking water & sanitation activities under CADP project. The project aims to provide drinking water facilities to the rural households of Okhamandal with the help of village institutions. During the year following were key highlights under the project:

- 176 units of RRWHS (Roof Rainwater Harvesting System) was facilitated with each household getting additional 10,000 liters of drinking water
- 8 new villages were covered for pipeline drinking water through WASMO which effectively made tap drinking water accessible to 2775 households.
- 2 new wells were constructed and 6 pump rooms were additionally facilitated with community contribution
- 616 new sanitation units were facilitated and 7 villages were officially declared ODF after periodic monitoring by District Administration
- Dhrasanvel village drinking water committee was declared as the best water committee in the district by the District Collector.

### Haldia

Sanitation in government schools is a major issue in surrounding villages of Haldia. TCSR D is implementing Drinking Water & Sanitation Program in government schools in partnership with Water For People India Trust & the District Education Department. The major components under the project are construction/renovation of toilets, separate sanitation arrangement for girls, ensuring availability of water & capacity building of the school WATSAN committee.



## Empowerment

### Self Help Groups (SHGs) Affirmative Action



Sustainability of any program depends on empowerment of the community at different stages of project implementation. One of the outcomes of the projects is institution building in the community in different forms including members from different stakeholders. During the year TCSR D worked in coordination with different Community Based Organizations (CBOs) like Pani Samiti, watershed committees, different user groups, Self Help Group (SHGs) & clusters.



At the same time TCSR D has constantly endeavored to ensure equitable development of its key communities. One of the cross cutting themes across all development programs is the inclusion of women and the socially and economically backward communities in all our programs. All interventions taken up necessarily need to include socially backward communities be it natural resource management or poverty alleviation programs.

TCSR D is reaching out to women through its SHG & Cluster development programs and to SC/ST population through Affirmative Action in entrepreneurship development, employability & education programs.

### Entrepreneurship Development

During the year TCSR D worked with its partners and other stakeholders for the marginalized population through its entrepreneurship development program.

TCSR D is promoting entrepreneurship by

- Promotion SHGs
- Entrepreneurship Development Programs

### Promotion of SHGs

TCSR D worked for empowerment of women by strengthening 498 SHGs in Mithapur & Babrala. TCSR D organized various programs on social, health & sanitation issues with the help of the SHGs and simultaneously worked for their linkages with economic activities. The SHGs being supported by TCSR D has now developed a corpus fund of Rs. 63 Lakhs which they use for inter-loaning and also loaning to external applicants. TCSR D is also working with different clusters engaged with economic activities like production of bandhani garments, Rexene products, handicraft of coconut fiber, incense sticks, mobile chargers etc.





TCSRSD has a structured approach for facilitating the marketing of products and services created by entrepreneurs and SHGs from the SC/ST communities. Support such as connecting with right NGOs, Introducing to banks etc. are done on case to case basis as per situation demands. TCSRSD worked closely with 157 AA groups covering 2368 members by supporting them with capacity building trainings, bank linkages, micro credits, conducting regular meetings, helping in regular transactions with bank etc.

Some of the group members have also been trained on quality of life, entrepreneurship development & skill training by Central board of workers education, rural entrepreneurship development program, GRIMCO & Thrive solar.



#### Entrepreneurship Development Programs

TCSRSD follows a structured 4 stage process for developments of Entrepreneur which includes, creating awareness, identification of potential entrepreneurs, training and handholding.

Structured Entrepreneurship Development training: The training program includes concept of livelihood & its classification, challenges & solutions to livelihood issues, livelihood frameworks, livelihood calendar designing, concept of enterprise & entrepreneurship, feasibility analysis of an enterprise, determination of costs & fixing price for products, determining the break-even point of an enterprise, development of business plan, managing financial & non-financial resources for enterprise set-up, market survey & its importance.

TCSRSD also provided handholding support to the trained people for setting up enterprise and sustaining it through initial period. Some of the trainees passed out for vocational training programs are also being helped in establishing individual enterprises. E.g. Mobile repairing shop, Beauty parlors, Tailoring shops, etc. To develop individual entrepreneurs, we are also using other methods like training of youths through Parag Cooperative Milk federation for development of Pasu Palak Mitra (PPM).



#### Education

The education program aims to enable and support the socially backward community complete secondary, higher secondary, graduation and technical education so as to be mainstreamed in society and compete based on quality and merit



The program is targeted towards all levels of education with multiple interventions based on the need of the region/location. The interventions are divided into three heads:

- Target Zero drop out
- Focus on technical education
- Facilitation and support education towards advanced education and employment

The dropout rate of AA population is on the higher side and hence one key objective of the program is to reduce the school dropout and facilitate the students to first complete high school and then graduation. TCSRSD facilitates intervention from anganwadi till University education through various programs. TCSRSD also works directly with the Govt. Education Department and other partner agencies like SNDT University, ICDS, SRTT, American India Foundation, Hewlett Packard India, LIC India and ALAPAN. TCSRSD also focuses on improving quality of education, access and quality and promoting community participation in school management. The interventions cater to both formal and informal education.



TCSRSD also runs a number of scholarship programs each designed to support the local needs. These include Desh Ko Arpan Scholarship, School Scholarships, Technical Scholarships and University Scholarship, which are given to students based on their need and merit. This scholarship is given on yearly basis and follow up is done half yearly. FAEA Scholarship is a group led initiative which contributes to the technical education of four students every year.

#### Employability

The main objective of the employability program is to enhance employability (wage/self-employment) through appropriate vocational and life skill development. The program is implemented by:

- Skill development through own centers
- Skill development through strategic Partnerships
- Promotion of life skills for empowerment
- Skill development linked to business needs through ATS and Sales skill programs



TCSRSD runs a number of programs and schemes aimed at promoting skill development among the rural & semi urban community with specific focus on SC/ST community. The programs include the following:

**TCSRSD Vocational Training Centre:** TCSRSD runs special batches with AA students. A token fee is charged to ensure commitment and value for the training provided. As an improvement empowerment coaching is also being initiated at Babrala. Other soft skills are also included in many training programs. Program duration varies from 3-6 months.



**Vocational skill training thru Partners:** TCSRSD has partnered with a number of agencies that provide specific skills to the trainees. The organizations have their own training centers and facilities. Many of these organizations also facilitate placement or absorption of trained youth within their system. A token fee is charged from the trainees and other expenses are divided between us and the partner agencies. The program duration ranges from 2-4 months. Training for construction industry, welding, plastic industry etc. are some examples of such partnerships.

**Para vet Training:** The surrounding area of Babrala has a very low land holding size & with significant cattle population. Local economy of the region is dependent on



cattle produce. In partnership with Parag Dairy the Para Vet training was initiated for unemployed high school pass youth for giving services like animal care and artificial insemination. It is a 40 days in house & 4 months on field training. TCSRSD supports this with the fee of Rs. 8000 /- per AA category candidate.

**Agriculture Farm Technicians:** The objective is to promote Smart Krishi through trained manpower for skilled operation and maintenance of farm equipment. This will not only help in increasing the earnings from their own field but will also help in additional earning from managing other's farms and equipment including repairing and service support.



**Sunderban Project:** Partnering with Tagore society of Rural Development the program looks at skills such as poultry, farming, shrimp farming, vocational skills such as mobile repairing, construction skills (L&T Centre Kolkata) etc.





# Employees Volunteering



TCSRDR provided ample opportunities for Tata Chemicals' employees and their family members to volunteer in various activities on social, environmental and developmental issues. This not only helped in engaging passionate volunteers for their meaningful contribution but also developed a sense of belongingness in the community area where TCL plants are operating. TCL volunteers actively participated in the various activities organised under the banner of HOPE (Harnessing Opportunities of People's Empowerment), Tata Engage, Tata Pro-engage & relief work for people during disasters.



In Mithapur, TCSRDR celebrated World Water Day and with the help of TCL volunteers generated awareness on sanitation & hygiene in the villages of Okhamandal through rally and cleanliness drive. TCSRDR organised coaching on athletics, dance & music workshop, awareness on home safety measures, coaching on kabaddi & khokho, awareness on environmental issues, TCSRDR with the help of employees wives organised cleanliness drive and spread awareness on preventive measures among the patients in the TB Hospital. The volunteers also distributed food & clothes to the needy patients.



In Babrala, TCL volunteers participated in animal health camp & helped in Animal OPD. Volunteers also spread awareness on environment & they played a significant role in formation of Eco Club. The other volunteering activities include eye camp, mobilization of Skill Development Programme & education Programme. In Haldia, TCSRDR organised eye camps, blood donation camp, residential summer camp, AROHAN (Bal Utsav) and anaemia camps with the help of TCL volunteers & family members.



In Mumbai, TCL employees participated in various programs organised for the school children, plantation drives and supporting charity institutions through the Standard Chartered Mumbai Marathon. In Sriperumbudur TCL employees participated in women empowerment programs. In Pune, employees volunteered in organising programs for primary school children.

## Volunteers Speak

### Mr. Souvik Mukhopadhyay (Haldia)



Since childhood I had a desire to serve the marginalized people, and thankfully TCSRDR, in my small two years of career, has provided ample opportunities where I can dedicate myself for some noble causes. I was given a project to explore the opportunities of promoting zari work that is in practice in different surrounding villages of Haldia. During that period, I came in contact with a number of rural people, got to know their life style and their needs. Later on, I got various opportunities to volunteer at different occasions like the eye camps, "AAROHAN - Children program" and blood donation camps. During AAROHAN program, I motivated children in cultural competitions, work as a part of TCSRDR organizing team and also judge performance by children. I also donated blood during blood donation camps which gave me immense satisfaction. It is also my privilege to say that I got an opportunity to generate awareness about environment in the summer camp held at Lakshya High School. The eager eyes and the positive and energetic responses from the students gave me immense pleasure and satisfaction. I am very much thankful to TCSRDR for providing me such beautiful opportunities.

### Mr. Narendra G. Makwana (Mithapur)



I am born & brought up in Mithapur and am a third generation employee in TCL. I vividly remember that I developed the passion to volunteer in social activities during my childhood. I like helping and guiding others as this gives me immense pleasure & satisfaction. I feel happy when I look back to my involvement in the activities organised for the betterment of the society. I have undergone "training of trainer" of SPANDAN, Achievement Motivation Training & Rural Entrepreneurship Development Program. These trainings have helped me in contributing to the various volunteering activities organised in Mithapur.

I have actively participated in various programs like relief work during disasters, eye check-up camps, blood donation camp, health check-up camps, Lifeline Express, Bal Utsav, Women's Day celebration, Eco Club, environmental & bio-diversity conservation, affirmative action program, skill development surveys, documentation & Tata Engage programs.

I sincerely thank my HOD for encouraging me to participate in volunteering activities & TCSRDR for giving me such a good opportunity to serve the community for noble cause.

### Mr. Avinash Shukla (Babrala)



Mr. Avinash Shukla had joined Tata Chemicals at Babrala in August 2013. During Induction, he came to know about TCSRDR Rural Development Programmes. He has actively volunteered in TCSRDR initiated programme with different projects like Cataract Camp, Clean Ganga Campaign. He also participates in Animal husbandry and Human health Camps. With his inspiration one

of his colleague has also participated in various activities and became an active volunteer. His major contribution was in malnutrition camp in Baghau. His unconditional services would be a land mark for the professionals to be a part of rural development practices.





# TCSR

## Partners

Partners List - 2015 -16		
S. No.	Partner	Program Supported
1	District Rural Development Agency (DRDA) Jamnagar District	Watershed Project
2	Water and Sanitation Management Organisation (WASMO) - Jamnagar	Drinking Water Program
3	Coastal Salinity Prevention Cell (CSPC)	Salinity Ingress & Mitigation Program, Health & Awareness
4	Gujarat Green Revolution Corporation (GGRC)	Agriculture Program - Supply of Drip System
5	Gujarat Tourism Development Department	Nageshwar Heritage
6	Gujarat state Hathsal and Handicraft Vikas, Nigam Ltd., Gandhinagar	Handicraft Project
7	Government of Gujarat, Irrigation Dept	Watershed Project
8	MFF - IUCN (International Union for Conservation of Nature)	Mangrove Plantation
9	Taluka Panchyat - Dwarka, Kalyanpur & Khambhaliya	Hariyali Watershed Project
10	Development Commissioner (Handicraft) Ministry of Textiles (New Delhi)	Handicraft Project
11	Gram Technology (Gandhinagar)	Skill Development
12	Gujarat Rural Industries Marketing Corporation Ltd GRIMCO, Gandhinagar	Skill Development
13	Gurjari (Gandhinagar)	Skill Development
14	Sarvodaya Mahila Udhog Mandal (Okha)	Health
15	Rishi Technical services Pvt. Ltd. (Baroda)	Badhte Kadam
16	Sajjata Sangh (Ahmedabad)	Agriculture Programme
17	Gujarat Water Supply & Sewage Board (Gandhinagar)	Drinking water
18	CSSRI (Bharuch) - Central Soil Salinity Research Institute	Salinity Ingress & Mitigation Program
19	Krushvi Vikas Kendra - Jamnagar & ACF	Salinity Ingress & Mitigation Program
20	Shree Nathiben Damodar Thaker Trust University	Education
21	Block Resource Centre - Dwarka	Education
22	ICDS - Intigrated Child Development Scheme, Dev Bhumi Dwarka	Health & Nutrition Program
23	AIF - American Indian Foundation	Learning And Migration Program (LAMP)
24	Agriculture Technology Management Agency (ATMA) Jamnagar	Agriculture
25	Gujarat State Forest Dept.	Whale Shark & Coral Reef Projects & Biodiversity Reserve Plantation Program
26	Gujarat State Land Development Corporation GSLDC - Jamnagar	Watershed Program
27	Agriculture university - Junagadh	Animal Husbandry & Agriculture
28	District Animal Husbandry Dept. Jamanagar / Dwarka	Animal Husbandry
29	Tata Business Support Service	Uday Foundation
30	World Around You (WAY), Ahmedabad	Whale Shark Project
31	ANALA (Ahmedabad Nature Lovers' Association), Ahmedabad	Environmental Education Program
32	Okhamandal Education and Charitable Trust	ECO Clubs Program
33	Women and Child Development Department, Gandhinagar	SHG Program
34	SAMUHA, Bangalore	Carbon Neutral Project
35	Marine National Park	Coral Reef Project
36	SR Shroff Aajeevika Trust	Skills Development Program
37	Wild Life Trust of India	Coral Reefs and Whale Shark Project
38	Jan Shikshan Sansthan	Vocational Training Program
39	Webcon Consulting (India) Ltd (WEBCON)	Vocational Training Program
40	Tagore Society For Rural Development	Rejuvenation of Mangroves and Promotion of Livelihood in Sundarban
41	Vivekanand Mission Ashram	Eye Camps
42	Haldia Sub-division Hospital	Blood Donation Camps
43	Sutahata Block Development	Agriculture, Fishery, Animal Husbandry
44	Purba Medinipur Agriculture Development	Agriculture Development

Partners List - 2015 -16		
S. No.	Partner	Program Supported
45	Academy of Liberal & Ambitious Professional Arts Nurture (ALAPAN)	Summer Camp for Children & Youth
46	Child in Need Institute	Women & Child Health Program
47	ICDS - Sutahata	Women & Child Health Program
48	Grow - Tree	Plantation of Mangroves in Dwarka / Sundarbans
49	Water For People India Trust	Drinking Water and Sanitation Program
50	GB Pant University of Agriculture and Technology	Agriculture Development
51	SVB Patel University of Agriculture & Technology	Agriculture Development
52	KVK - Krishi Vigyan Kendra	Agriculture Development & Farmers Training Program
53	Directorate of Rapseed Mustard Research	Agriculture Development
54	Indian Agriculture Research Institute	Agriculture Development
55	Pradeshik Cooperative Dairy Federation	Animal Husbandary Program
56	National Dairy Research Institute	Animal Husbandary Program
57	Animal Welfare Production Society	Animal Husbandry Program
58	National Dairy Development Board	Income Generation (Dairy Development)
59	ICDS - Sambhal	Women & Child Health Program
60	Gandhi Eye Hospital, Aligarh	Health Programme
61	Directorate of Oil Seed	Agriculture Development
62	Indian Veterinary and Research Institute	Animal Husbandry Program
63	Hewlett Packard	Education (Future Classes)
64	NABARD - National Bank For Agriculture And Rural Development	SHG
65	Construction Skill Training Institute, Larsen & Tubro	Badhte Kadam
66	NIIT Foundation	Vocational Training
67	NVTI, NOIDA	Vocational Training
68	LIC of India	Social Security Programmes
69	Prathmic Siksha Samiti, Naglia Kazi	Education
70	Sewartha Sewa Samiti	SHG & AA Programmes
71	EDII, Ahmedabad	Entrepreneurship Development Programme
72	IMER, New Delhi	Vocational Training
73	STEM Learning Pvt. Ltd.	Education
74	Rural Shores Pvt. Limited	Uday Foundation Programmes





# Governing Board, Members, TCSR D Employees and TCL Supporting Members

## Governing Board Members

S. No.	Name	Address	Gender	Occupation	Position in Board
1	Dr.Y.K. Alagh	Institute of Rural Management Post Box No.60, Anand 38800, Gujarat, India	Male	Chairman Institute of Rural Development, Anand (IRMA)	Patron Member and Hon.Trustee
2	Dr.Janki Andharia	Tata Institute of Social Science (TISS), P.O. Box 8313, Deonar, Mumbai 400 088	Female	Professor, Jamshedji Tata Centre for Disaster Management	Patron Member and Hon.Trustee
3	Mr.Zarir Langrana	Tata Chemicals Ltd, Leela Business Park, Andheri East, Mumbai 400 059	Male	COO, Chemicals Business, Tata Chemicals Ltd.	Hon.Vice Chairman and Trustee
4	Mr.Ranjiv Lodha	Tata Chemicals Ltd., Bombay House, 24, Homi Modi Street, Mumbai 400 001	Male	Vice President & Group Corp. Controller, Tata Chemicals Ltd.	Hon. Treasurer and Trustee
5	Mr.R. Mukundan	Tata Chemicals Ltd., Bombay House, 24, Homi Modi Street, Mumbai 400 001	Male	Managing Director, Tata Chemicals Ltd.	Hon. Chairman and Trustee
6	Mr.R. Nanda	Tata Chemicals Ltd., Bombay House, 24, Homi Modi Street, Mumbai 400 001	Male	Vice President, Human Resources Corporate, Tata Chemicals Ltd.	Hon.Trustee and Member on behalf of Tata Chemicals Ltd.
7	Mr. Prantik Sarkar	Tata Chemicals Ltd., Indira Dham, Babrala District, Badaun, Uttar Pradesh 242 021	Male	Manager, Tata Chemicals Ltd.	Hon. Assistant Secretary and Member
8	Mr.V.Shankar	Rallies India Ltd, 156/157 Nariman Bhavan, 15th Floor, 227, Nariman Point, Mumbai 400 021	Male	Managing Director & CEO, Rallies India Ltd.	Patron Member and Hon.Trustee
9	Ms. Alka Talwar	Tata Chemicals Ltd., Leela Business Park, Andheri East, Mumbai 400 059	Female	Chief Sustainability & Corporate communications, Tata Chemicals Ltd.	Hon. Secretary and Trustee
10	Dr.Y.S.P.Thorat	Planet Godrej, Tower 4, Flat 3702, Keshavrao Khade Marg, Mumbai 400 011	Male	Retd. Chairman, NABARD	Patron Member and Hon.Trustee
11	Mr.Shankar Venkateshwaran	C 181, Sarvodhya Enclave, New Delhi 110 017	Male	Chief of Tata Sustainability Group, Tata Sons	Patron Member and Hon.Trustee

Certified that no board members received any honorarium or fee for their services to TCSR D.

Board meetings during 2015-16 were held on 30th June, 14th September, 20th January. At the board meeting held in June - 12, September - 14 members were present; in January - 14 were present.

TCSR D is registered as a Society under the Society Registration Act 1860, vide number Gujarat / 136 / Jamnagar dated 11/01/1980. It is also registered as a Public Charitable

Trust by the Deed of Declaration Trust No.F115 / Jamnagar dated 11/01/1980

TCSR D has been granted registration under section 12A (a) of Income Tax Act (Exemption), New Delhi, vide letter no. 66/T\_26/CIT.R/80-81 dated 11/06/1980

TCSR D is recognized under Section 80-G (5) (VI) of the Income Tax (Exemptions) Department, New Delhi, vide letter no.s.a.a.j.m/tk/II (b)/80G01-76/08-09/1106.

### Details of TCSR D staff and their range of salary

Slab of gross salary in Rs. plus benefits paid to:

Staff (Per Month)	Male	Female	Total
Less than 5,000	-	-	-
5,000 - 10,000	-	-	-
10,000 - 25,000	17	4	21
25,000 - 50,000	9	2	11
50,000 - 1,00,000	-	-	-
Greater than 1,00,000	-	-	-
<b>Total</b>	<b>26</b>	<b>6</b>	<b>32</b>

Details of International travel of Staff and Board members at the expense of the organization - None

## STAFF MEMBERS

Administrative and Support Staff	
Mr. Anilsinh R. Vadher	
Program Staff	
<b>Mithapur</b>	<b>TCL Mumbai</b>
Ms. Bhasha Patel	Ms. Alka Talwar
Mr. Chanu Dabhi	Mr. Koushal Kumar Sinha
Mr. Harishchandra Bhimani	<b>TCL Babrala</b>
Mr. Ajitsinh Babriya	Mr. Prantik Sarkar
Ms. Nipunika Thakur	Mr. Harpal Singh
Mr. John Paulraj	Mr. Mukesh Babu Solanki
<b>Haldia</b>	<b>TCL Haldia</b>
Mr. Chandan Kumar Panda	Ms. Suruchi Roy
Mr. Deb Kumar Achraya	<b>TCL Mithapur</b>
<b>Babrala</b>	Mr. Arnab Ghosh
Ms. Shubha Sharma	Mr. H. V. Kamani
Dr. Vir Pal Singh	Mrs. Rehana Sheikh
Mr. Dharendra Singh	Mr. Satish Trivedi
Mr. Mahendra Singh	Mr. Pankaj Varia
Mr. Niranjana Singh	Mr. Ramji Nayani
Ms. Manju Kumari	<b>TCL Ahmedabad</b>
Ms. Kamlesh Sharma	Ms. Kirti Poonia
Ms. Mamta Sagar	Ms. Nusrat Dayamakumar
Mr. Naresh Pal	<b>Okhai Mithapur</b>
Mr. Mohar Pal	Ms. Anupama Vaghela
Mr. Nek Ram	Mr. Parakramsinh Vadher
Mr. Ganga Prasad	<b>Okhai Ahmedabad</b>
Mr. Rahul Anand	Mr. Jayant Bhojia
Mr. Alok Yadav	Mr. Vijendra Chavda
Mr. Mohd. Alam	Ms. Heena Dodia
Mr. Wahid Noor	Mr. Kiran Pandya
Mr. Atul Kumar	Ms. Avani Patel
Ms. Nishi Varshney	Mr. Imtiaz Ali
Mr. Sushil Kumar	Ms. Anu Singh
Mr. Devendra	Mr. Rajesh Parmar
Mr. Prince Kumar	Mr. Pravin Parmar
Mr. Jitendra Kumar	Mr. Praksh Rahevar
Mr. Kamaldeep	
Mr. Yashlesh	



# Financial Summary



## Summary of Expenditure for TCSR

### 2014-15

Project	Location	Expenditure during the year 2014-15 (in Lacs)			
		TCL/TCSR	Agencies	Beneficiaries	Total
Sustainable Resource Base & Bio-Diversity Initiatives		407.71	155.29	136.75	699.75
Sustainable Livelihood Creation		152.92	41.96	5.17	200.05
Improving Quality of Life (Health Care)		49.19	0.00	4.09	53.28
Improving Quality of Life (Access to Education)		83.70	0.00	0.37	84.07
Affirmative Action for SC & ST		57.45	0.00	6.13	63.58
Administrative (Office & Miscellaneous.)		39.81	0.00	0.00	39.81
<b>Total</b>		<b>790.78</b>	<b>197.25</b>	<b>152.51</b>	<b>1140.54</b>

## 2015-16

Project	Location	Expenditure during the year 2015-16 (in Lacs)			
		TCL/TCSR	Agencies	Beneficiaries	Total
Sustainable Resource Base & Bio-Diversity Initiatives		513.62	295.93	164.91	974.46
Sustainable Livelihood Creation		224.84	1.52	7.52	233.88
Improving Quality of Life (Health Care)		74.72	0.00	4.29	79.01
Improving Quality of Life (Access to Education)		111.11	0.00	3.61	114.72
Affirmative Action for SC & ST		98.80	0.00	1.10	99.90
Relief Activity		96.60	0.00	0.00	96.60
Administrative (Office & Miscellaneous.)		42.87	0.00	0.00	42.87
<b>Total</b>		<b>1162.56</b>	<b>297.45</b>	<b>181.43</b>	<b>1641.44</b>

## Abridged balance sheet as on 31st March 2016

<b>SCHEDULE VIII</b> [vide Rule 17(1)]					
Registration No. <b>F-115</b> Name of the Public Trust <b>Tata Chemicals Society for Rural Development</b> Balance sheet as at <b>31st March, 2016</b>					
FUNDS AND LIABILITIES	AMOUNT (Rs.)	AMOUNT (Rs.)	PROPERTY AND ASSETS	AMOUNT (Rs.)	AMOUNT (Rs.)
<b>Trust Funds or Corpus</b>		<b>1,100</b>	<b>Immovable properties</b>		<b>-</b>
Balance as per last balance-sheet	1,100		(Suitable classified giving mode of valuation).		
Adjustment during the year (give details).	-		Addition or deduction (including those for depreciation). If any, during the year.		
<b>Other Earmarked Funds</b>		<b>-</b>	<b>Movable properties (Refer Annexure A)</b>		<b>2,697,392</b>
(Created under the provisions of the trust-deed or scheme or out of the income).	-		<b>Investments</b>		<b>5,320,995</b>
Depreciation Fund	-		Bank FDR Mithapur	5,258,843	
Sinking Fund	-		Bank FDR Babrala	62,152	
Reserve Fund	-		(Suitably classified, giving mode of valuation).		
Any other Fund	-		<b>Inventory</b>		<b>-</b>
<b>Loans (secured or unsecured)</b>		<b>-</b>	<b>Loans &amp; Advances (unsecured)</b>		<b>1,390,741</b>
From trustees	-		Loan to Mandal	125,500	
From TCL	-		(Refer Annexure B)		
			Loan to Associate Trust	1,265,241	
			(Refer Annexure C)		
<b>Liabilities</b>		<b>12,297,799</b>	<b>Advances / Deposits</b>		<b>1,967,016</b>
For expenses	-		To trustees	-	
For advances (OSGP Project)	10,000,000		To employees	122,110	
For rent and other deposits	-		To contractors	1,183,292	
For Sundry credit balances	2,297,799		To lawyers	-	
(Refer Annexure F)			To others (Deposits)	661,614	
			(Refer Annexure D)		
<b>Income and Expenditure Account</b>		<b>11,991,065</b>	<b>Income Outstanding</b>		<b>-</b>
Balance as per last balance-sheet	4,795,970		Rent	-	
Add/(Less) : Surplus or deficit as per income and Expenditure Account	7,195,095		Interest	-	
			Other income	-	
			<b>Cash and Bank Balances (Refer Annexure E)</b>		<b>12,913,820</b>
			(a) In current account or fixed deposit account (give names of banks and state in whose name the account stands).	12,912,543	
			(b) With the trustee (give name).	-	
			(c) With the manager (give name).	1,277	
<b>Total</b>		<b>24,289,964</b>	<b>Total</b>		<b>24,289,964</b>
As per our report of even date <b>For Sarda &amp; Sarda</b> Chartered Accountants FRN: 109264W					
<b>Rajnikant V. Pragada</b> Proprietor M. No. 118132 Place: Jamnagar Date:					
For Tata Chemicals Society for Rural Development <b>Trustee TATA CHEMICALS SOCIETY FOR RURAL DEVELOPMENT Trustee</b> Place: Mithapur Date:					



## Abridged income and expenditure account for the year ending 31st March 2016

**SCHEDULE VIII**

[vide Rule 17(1)]

Registration No.

**F-115**

Name of the Public Trust

**Tata Chemicals Society for Rural Development**

Income and Expenditure Account for the year ending

**31st March, 2016**

EXPENDITURE	AMOUNT (Rs.)	AMOUNT (Rs.)	INCOME	AMOUNT (Rs.)	AMOUNT (Rs.)
To Expenditure in respect of properties -		777,040	By (accrued)*	-	-
Rates, taxes, cesses.	-		Rent (realised)		
Repairs and maintenance	-		By (accrued)*		624,649
Salary	-		Interest (realised)		
Insurance	-		On securities.	-	
Depreciation	777,040		On Income Tax Refund	2,430	
<b>(Refer Annexure A)</b>			On bank account	622,219	
Other Expenses	-		On TDS	-	
Write off	-				
(Less than Rs. 5000 assets)					
To Establishment expenses	4,046,401	4,046,401	By Dividend		-
<b>(Refer Annexure K)</b>			By Donations in cash or kind		115,980,956
To Remuneration to trustees		-	<b>(Refer Annexure G)</b>		
To Remuneration (in the case of a math) to the head of the math, including his house-hold expenditure, if any,		-	By Grants		4,088,764
To Legal expenses.		-	<b>(Refer Annexure H)</b>		
To Audit fees.		44,175	By Income from Beneficiary		8,136,812
To contribution/Donation and fees		-	Contribution (in details as far as possible)		
To Amounts written off-		-			
(a) Bad debts.	-		<b>(Refer Annexure I)</b>		
(b) Loans scholarships.	-		By Transfer from Reserve		-
(c) Irrecoverable rents.	-				
(d) other items.			By Other Income (Sale of Cluter products)		104,000
To Miscellaneous expenses.					
To Amounts transferred to Reserve or specific funds.		-			
To Expenditure on objects of the trust.					
<b>(Refer Annexure J)</b>		116,872,470			
(a) Religious.	-				
(b) Educational.	11,110,943				
(c) Medical Relief.	9,463,534				
(d) Relief of poverty.	69,884,950				
(e) Other charitable objects.	26,413,043				
<b>To Surplus carried over to Balance sheet.</b>		7,195,095			
<b>Total</b>		<b>128,935,181</b>		<b>Total</b>	<b>128,935,181</b>

As per our report of even date

**For Sarda & Sarda**

Chartered Accountants

FRN: 109264W

**Rajnikant V. Pragada**

Proprietor

M. No. 118132

Place: Jamnagar

Date:

**For Tata Chemicals Society for Rural Development**

Trustee

**TATA CHEMICALS  
SOCIETY FOR RURAL  
DEVELOPMENT**

Trustee

Place: Mithapur

Date:

## Snapshot of TCSR D Programs

**Blossom**

Promotion of Rural Handicrafts - Okhai + Karzobi + Clusters + Jute					
Description	11-12	12-13	13-14	14-15	15-16
Sales amount - in Lakhs	55.09	106.0	105.34	103.40	151.10
No. of artisans involved (Okhai + Clusters + Jute + Karzobi)	33	56	35	585	600

## Enhance

Agricultural Growth Program						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
Training to Farmers	690	1189	646	1672	3213	9763
- Haldia	70	50	64	60	513	878
- Mithapur	353	778	265	1264	1400	4060
- Babrala	267	361	317	351	1300	4825
Changing Cropping Pattern (in acres)	545.65	596.80	487.64	245.16	872	3379.61
- Mithapur	202	411	373	27	155	1342
- Babrala	343.65	185.80	114.64	218.16	717	2037.61
Inter Cropping Pattern (in acres - Babrala)	138.46	110.80	40.20	15.20	39.40	418.56
SRI & SWI (in Acres System of Rice & Wheat Intensification)	0	0	0	0	606.60	606.60
Purchase of Agriculture Equipment (Babrala)	93	40	60	51	89	455
Kisan Mela (No. of Farmers - Babrala)	110	152	121	97	313	2367
Khetamrut (Organic Pesticide - Mithapur)	16	3	2	4	1	26

Animal Husbandry - Cattle Breed Improvement Program						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
<b>Animals examined and treated</b>	<b>2448</b>	<b>2731</b>	<b>4568</b>	<b>5751</b>	<b>10285</b>	<b>34058</b>
- Babrala	2448	2731	3651	3890	5167	26062
- Haldia	0	0	917	1861	5118	7996
Vaccination for animals for HS/FMD (Babrala)	28007	35302	32932	37683	31375	357307
<b>Artificial Insemination in AI Centre</b>	<b>786</b>	<b>3153</b>	<b>5698</b>	<b>9437</b>	<b>16884</b>	<b>35958</b>
- Babrala	786	3153	5651	9031	16286	34907
- Haldia	0	0	47	406	598	1051
Extension of Cross Breed (Babrala)	111	60	95	53	34	933
No. of Farmers who received green fodder seed (Babrala)	176	218	257	235	392	3979
No. of Pashu Palak Mitra Trained (Babrala)	70	10	7	30	6	147
Deworming of Milch animals & Calf's - Babrala					1375	1375
Household trained and supported for poultry farming under Affirmative Action Program - Haldia		25	27	28	57	137

Pond Management (Haldia)						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
No. of members trained in Scientific Methods of Pond Management	656	323	354	68	125	3377
Number of Ponds covered	201	198	299	68	94	881



Infrastructure						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
<b>Construction of Toilets</b>	<b>577</b>	<b>728</b>	<b>169</b>	<b>735</b>	<b>668</b>	<b>3564</b>
- Haldia		1	2	4	6	13
- Babrala	18	25	36	39	46	449
- Mithapur	559	703	133	696	616	3102
Construction of Gaushala / Cattle Shed (Mithapur)	17	3	15	14	12	78
Construction of Brick Paved Track (Running Meters - Babrala)	538	0	205	170	190	30245
Construction of Drainage Channel at Mithapur (Running Meters)	49	0	350	450	200	1049
Construction of Aganwadi (Mithapur)	1	1	2	5	4	17
Construction of room for Primary School - Mithapur	1	1	3	2	1	10
Construction of Room for High School - Mithapur	2	0	2	7	2	18
Construction of Library Building - Mithapur	0	0	0	1	3	5
Open Storage Tank - Mithapur	1	1	0	8	6	21
Construction and renovation of community well - Mithapur	0	1	6	0	5	36
Infrastructure Support in Primary School (Haldia)	1	1	1	2	4	9
Construction of concrete cement road (in RM) - Mithapur	0	1000	0	700	180	1880

### Aspire

Entrepreneurship Awareness Camp						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
Number of students participated in Entrepreneurship Awareness Camp (Babrala)	900	393	650	442	164	3510

Skill Development (Vocational Training)						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
<b>No. of youth provided vocational training</b>	<b>1610</b>	<b>1202</b>	<b>1287</b>	<b>1796</b>	<b>1929</b>	<b>11104</b>
- Haldia	205	153	125	152	175	920
- Babrala	933	804	774	1095	660	7207
- Mithapur	472	245	388	482	1050	2866
- Sriperumbudur	0	0	0	67	44	111

Education						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
<b>Scholarship to students for continuing education</b>	<b>183</b>	<b>264</b>	<b>245</b>	<b>315</b>	<b>323</b>	<b>1553</b>
AA Program (Haldia)	0	10	16	26	51	103
Deshkoarpan (Scholarship Program - Mithapur)	96	95	168	174	168	875
Scholarship distributed under Jan Bima Yojna (Babrala)	67	144	36	61	67	424
Scholarship distribution under Education program (TCDAV & Core Command, Babrala)	20	15	25	54	37	151
Adult education for women - Mithapur	400	327	400	280	140	1417
Education classes for drop out girls (Mithapur)	278	305	305	315	375	1863
<b>Child learning and improvement classes</b>	<b>594</b>	<b>2772</b>	<b>4260</b>	<b>4494</b>	<b>2632</b>	<b>14752</b>
Computers, remedial and coaching - Babrala	594	727	423	724	310	2778
English Language and Personality Development - Haldia	0	105	120	135	162	522
Learning Enhancement classes (LAMP)	0	1940	3717	3610	2128	11395
Coaching of youth for preparation of government/ banking service examination	0	0	0	25	32	57
Students enrolled in E Library (Babrala)	0	0	0	410	375	785

### Conserve

Renewal Energy						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
<b>Distribution of Solar Street Lights</b>	<b>0</b>	<b>46</b>	<b>8</b>	<b>10</b>	25	132
- Babrala	0	40	8	0	5	53
- Mithapur	0	6	0	10	20	79
Distribution of Solar Domestic Lights (Babrala)	0	0	247	0	183	430
<b>No. of Bio-gas plants constructed</b>	<b>2</b>	<b>2</b>	<b>11</b>	<b>15</b>	<b>20</b>	<b>50</b>
- Haldia	2	2	5	6	10	25
- Mithapur	0	0	6	9	10	25
No. of Solar Fencing equipment installed (Mithapur)	20	70	90	55	80	1035
<b>No. of Energy efficient Cooking Stoves installed</b>	<b>461</b>	<b>339</b>	<b>219</b>	<b>375</b>	<b>434</b>	<b>2029</b>
- Haldia	356	330	219	375	400	1676
- Mithapur	105	8	0	0	34	344
- Babrala	0	0	0	0	0	9

Land Development						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
<b>Land Reclamation (in acres)</b>	<b>489.5</b>	<b>80</b>	<b>144.4</b>	<b>77.9</b>	<b>78.20</b>	<b>2755.5</b>
- Babrala	369.5	0	32.4	29.90	42.20	1919.5
- Mithapur	120	80	112	48	36	836
Laser Levelling (in acres - Babrala)	91	64	121.4	145.24	400.73	917.37
Deep Ploughing (in acres - Babrala)	0	0	0	0	43.50	43.50
Promotion of Organic Fertilisers (in acres - Babrala)	0	0	0	0	79.40	79.40
Soil Nutrients Management / Soil Testing (in plots - Babrala)	0	0	0	0	509	509

Water Conservation and Management (Mithapur)						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
No. of Water Harvesting Structures (Medium Structure)	12	3	13	16	28	296
No. of Small Water Harvesting Structures (Well Recharge)	5	3	61	59	51	2339
Rain Water Harvesting capacity added (MCFT)	12	12	12.75	19	23	312.75
Area covered under irrigation through medium and small structures (in acres)	408	400	276	532	965	9068
No. of drip and sprinkler installed	0	171	93	91	96	721
Area covered under Micro Irrigation (in acres)	0	804	465	480.5	435	3534.5

Environment Conservation	
Description	Cumulative
<b>No. of Mangroves Planted</b>	<b>6,95,200</b>
- Sundarban	3,80,000
- Mithapur	3,15,200
<b>No. of Eco-clubs Promoted</b>	<b>56</b>
- Haldia	8
- Mithapur	30
- Babrala	18
Whale Shark Rescued (Mithapur)	491
No. of indigenous Flora Species introduced (Mithapur)	138
No. of Fauna Species recorded (Birds & Animals) (Mithapur)	83
No. of Parapets constructed to save Gir Lions (Mithapur)	1204



Nurture

Health						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
No. of People supported through health initiatives like Mobile Health Camp, Immunization Camp and OPD (Babrala)	19,208	26,038	30,075	35,253	37844	170049
<b>Eye Camp (No. of Patients Screened)</b>	<b>987</b>	<b>1950</b>	<b>3119</b>	<b>1948</b>	<b>2465</b>	<b>16248</b>
- Haldia	400	350	837	481	846	4235
- Babrala	309	1600	1512	606	773	8973
- Mithapur	278	0	770	861	846	3040
<b>No. of Patients undergone Cataract Operation</b>	<b>349</b>	<b>365</b>	<b>277</b>	<b>219</b>	<b>292</b>	<b>2480</b>
- Haldia	40	49	93	45	131	396
- Babrala	309	316	184	174	161	2084
Blood Donation - No. of Employees Haldia	47	55	52	52	58	652
No. of Girls identified as anemic and provided medicine (Haldia)	30	190	106	350	313	989
Number of Anganwadi Workers trained on the issue of mal-nourishment - Haldia	0	87	16	78	52	233
No. of People examined at the Nutritional Camps	0	0	0	438	451	889

Drinking Water (Mithapur)						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
No. of RO Plant	0	0	3	1	4	17
Drinking Water well-constructed/renovated	1	0	6	3	2	24
No. of Pump Room Constructed	2	1	0	1	6	34
No. of RRWHS (Roof Rain Water Harvesting Structures)	187	90	239	167	176	2561
Drinking Water Pipeline Network (Villages)	5	2	9	2	8	44
No. of Household provided Tap connection	2275	3140	1250	1975	2775	13523
<b>No. of Households provided Water Purifiers</b>	<b>291</b>	<b>135</b>	<b>20</b>	<b>25</b>	<b>266</b>	<b>737</b>
- Mithapur	291	135	20	25	55	526
- Babrala	0	0	0	0	211	211

Empowerment

SHG					
Location	SHG	No. of Member	Saving (in lakhs)	Internal Loan (in lakhs)	Bank Loan (in lakhs)
Babrala	292	3504	38.152	121.12	0.50
Mithapur	206	2472	24.77	41.08	11.57

Social Security						
Description	11-12	12-13	13-14	14-15	15-16	Cumulative
National Pension Scheme (NPS) for SHG Family Members (Mithapur)	0	300	46	16	175	537

Affirmative Action

Entrepreneurship Development					
Description	11-12	12-13	13-14	14-15	15-16
Number of youth trained in REDP	152	155	184	178	184
Number of youth started their own enterprise	84	98	136	62	79
Employability					
Description	11-12	12-13	13-14	14-15	15-16
Number of youth provided training on vocational skills	434	370	456	596	489
Number of youth employed	98	90	74	228	77
Education					
Description	11-12	12-13	13-14	14-15	15-16
Number of students mainstreamed at primary / secondary / university level (SNDT & LAMP)	145	237	212	1084	3669
Number of students provided scholarship for education at different levels	134	138	292	166	100

Volunteer Data

Volunteers Hours of all the locations				
Year	Mithapur	Babrala	Haldia	Corporate
2003-04	10,433	3654	0	
2004-05	16,324	1953	0	
2005-06	10,332	4846	813	
2006-07	13,496	5324	711	
2007-08	17934	6258.5	666	
2008-09	13,940	3342	1348	
2009-10	19,404	4144	657	
2010-11	13,139	6315	763	226
2011-12	14,433	3300	814	100
2012-13	13,688	2249	851	170
2013-14	17,168	3405	758	224
2014-15	19,307	6225	1358	248
2015-16	26,558	4551	924	165



# Contribute to make a difference

**“The value of a man resides in what he gives and not in what he is capable of receiving.”**  
- Albert Einstein

### Contribute to a cause close to your heart

TCSR D, from its inception has been working towards bringing social equity by implementing need based programs in its area of intervention. The impact of various programs undertaken by TCSR D has been mentioned in details in the annual report.

Below are the causes to which you can contribute as much as possible. Each drop in the ocean counts and every contribution will make a difference.

#### Educating people

Children of salt work labour cannot afford tuition, books or uniforms. Fund education to teach their children how to read, write and stay safe.

#### Hunger & poverty

Help farmers buy seeds and learn effective agriculture techniques.

This fund would also provide food during emergency time like natural calamities.

#### Micro loans & finance

Provide entrepreneurs with loans they need to succeed.

The fund would help young entrepreneurs to become self reliant.

#### Vocational training

Train people to learn a trade or produce a product. These skills help people to become self reliant both financially and non financially.

#### Health & medical

By providing funds for de-worming pills, mobile health clinics, eye camps and for refurbishing the community clinics, we can help people to live healthier lives.

#### Wells & clean water

There is no life without water. Building check dams, roof rain water harvesting structure and other water collection programs give security and hope to those with unsafe water.

#### Disaster response

Help families pull through tragedy. The disaster fund assists people who face political upheaval or natural calamities.

#### Where most needed

Help TCSR D in many ways. A general fund contribution goes to programs that demand immediate attention.

*Contributions to the above mentioned causes are purely voluntary. Those interested may contribute by way of cheque in the name of 'Tata Chemicals Society for Rural Development' (TCSR D).*

*All contributions are exempted from tax under Section 80G of the Income Tax Act, 1961.*



**VISION**  
Development that enables sustainability and community empowerment

**MISSION**  
To be a centre of excellence in sustainable development that

- Builds knowledge, capacities, partnerships and models of development
- Promotes effective execution for environmental integrity and creating and sustaining livelihoods
- Improve quality of life especially of marginalized and vulnerable communities
- Nurtures innovation and learning

**VALUES**

- Integrity
- Sensitivity
- Respect
- Passion

### Yes, I would like to donate towards

<input type="checkbox"/> Education	<input type="checkbox"/> Poverty alleviation	<input type="checkbox"/> Micro finance	<input type="checkbox"/> Vocational Training
<input type="checkbox"/> Health	<input type="checkbox"/> Water Management	<input type="checkbox"/> Disaster management	<input type="checkbox"/> General fund
I would like to support TCSR D by <input type="checkbox"/> Cheque		<input type="checkbox"/> Demand Draft	

Issuing Bank name \_\_\_\_\_

Cheque / Demand draft Ref. No. \_\_\_\_\_

Cheque / Demand draft to be made in favor of **Tata Chemicals Society for Rural Development**

Please mail your cheque at **Tata Chemicals Society for Rural Development** Leela Business Park, Andheri - (E),  
Mumbai 400 059 Tel: 022 - 66437400

For any communication, please contact me:

First name \_\_\_\_\_ Last name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Pin Code \_\_\_\_\_ Mobile \_\_\_\_\_ email \_\_\_\_\_