

ANNUAL REPORT  
2005-2006

# TOWARDS A SUSTAINABLE FUTURE



**Mineral Foundation of Goa**



# MISSION STATEMENT

“ To promote Social Investment Programmes through capacity building of the stakeholders, participatory decision making; support efforts underway and to pool together activities to improve the natural environment for Sustainable Development in the mining belt of Goa.....”

Mineral Foundation  
of Goa



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## FROM THE CHAIRMAN'S DESK

I wish to begin with the words of the Father of the Nation, "Go to the people, live with them, work with them, love them.....". The Foundation's activities

have been a representation of these words in its true spirit.

"Sustainability" has been the key word influencing the activities of the Foundation during the last year. May it be the watershed development programmes, revitalization of traditional water harvesting systems, mobilization & strengthening of SHG's and other community institutions, infrastructural interventions, environment education programmes or health care activities, emphasis has been on involving the community in the planning, execution and management of the developmental project planned by the Foundation.

It has been a "Year of Empowerment" for the Foundation. During the implementation of all its programmes such as educational, watershed development, natural resource management and infrastructure, the Foundation has striven to build the capacities of the stakeholders during the planning and implementation of its developmental programmes. From a demand driven approach, the Foundation has relied on participatory assessment of local issues and assisting the community to find solutions rather than suggesting any. Building capacities of the local populace to look at various issues from the 'village point-of-view' and not for personal profits has been a focus area.

Empowering people to take charge of their resources and to look beyond short-term gains was the driving force behind the ideology. For this purpose most of the programmes of the Foundation were routed through existing genuine voluntary organizations in different villages. Interested and motivated individuals were mobilized into functional units such as SHG's and UG's for the same reason. This path is beset with hurdles and is probably the most difficult way forward. But the outcome of such an endeavor, in most probability is sustainable in the longer run.

Livelihood Advancement Business School (MFG-LABS), an ambitious project in association with Dr. Reddy's Foundation will be an important step forward to address the unemployment problem. We sincerely wish that the youth take this opportunity to carve a better future for themselves.

Nomination of Shri. Arun Madgaonkar and Dr (Mrs). Asha Sawardekar on the Executive Committee as people's representatives has given the Foundation a new perspective and we hope to learn from their enriched experience working at the grass-root level.

Shrinivas V. Dempo  
**CHAIRMAN**

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## THE BEGINNING

Mining in Goa was initiated in the erstwhile Portuguese regime during the 1940's. From manual operations in the early days to completely mechanized operations presently, the Goan mining industry has progressed leaps and bounds. This progress has not been limited to the business operations but has seen the industry become more environmentally and socially responsible. Individual mining companies have taken their business beyond boundaries by not only adopting the best practices in pollution abatement and environment conservation but also being receptive to the needs of the people and sustainable social investment. Environmental concern has earned many a companies ISO 14001 certification. Most of the educational institutes, research centre and medical facilities have been set up under the patronage of the industry. But these efforts, though genuine, were individual and sporadic. Hence, the industry sat together to conceptualize the Mineral Foundation of Goa (MFG), a society set-up as a collective approach to address the social and environmental issues concerning the community living in the mining belt of Goa.

Identifying that working in areas where your core-business has an impact is the crux of Corporate Social Responsibility (CSR), the industry came together to give birth to a body that would work exclusively in the mining areas of Goa. India has a history of philanthropic activities by individual corporate houses working in diverse fields sometimes not related to their business, but MFG is an entity that is unique not only to the country but a model for other countries as well, where an industry in a state has come together to implement CSR in the true sense of letter and spirit.

Mineral Foundation of Goa (MFG) was registered on 12th December 2000 under the Societies Registration Act, 1860. It is a non-profit organization and is exclusively funded by the mining industry with annual subscriptions.

The organization is professionally managed and totally dedicated to promotion of environmental and social development programmes in mining belt of Goa. MFG has its presence in more than 50 villages across 5 talukas of Goa. The Foundation through its various programmes contributes to economic growth, employment generation, social upliftment of communities and environment conservation in the mining belt.

The Mineral Foundation of Goa aims to:

Address environmental and social issues concerning the communities in the mining belt of Goa through formulation and implementation of developmental programmes.

Contribute to the economic and social development of the local communities by training and capacity building.

To facilitate tripartite partnership amongst industry, government and civil society for ensuring sustainable livelihood and mining.

To channellise the efforts underway and to pool together activities to improve the environment.

To revive participatory approach in agriculture, livestock and forestry and other activities of Foundation

To help improve the conditions of women, old people and the youth in the region.

## GOVERNANCE :

The Foundation operates on two-tier arrangement of a Governing Board and an Executive Committee. The Governing Board is constituted with representatives from the mining industry, nominees from the Central and State Government and accomplished member of society. The powers of managing the business and funds of the Foundation as well as formulating the broad policies towards attaining its goals are vested with the Governing Board.

The Executive Committee comprises of the Chairman, State Government nominees for North and South Goa, two members from the community, Staff of Foundation and Secretary, Goa Mineral Ore Exporters Association as an ex-officio member. The Executive Committee examines the proposals received from the communities and recommends to the Board for its approval, besides monitoring the implementation of the projects.

The working of the Foundation is demand driven, transparent with an inbuilt provision of regular financial and social audits.

The Governing Board met four times and the Executive Committee also met four times during the year under review.

Mineral Foundation of Goa is patronized by following companies

- ✍ Sesa Goa Ltd.
- ✍ Damodar Mangalji & Co. Ltd.
- ✍ V. S. Dempo & Co. Ltd.
- ✍ Dempo Mining Corporation Pvt. Ltd.
- ✍ Sociedade de Fomento Ltd.
- ✍ Chowgule & Co. Ltd.
- ✍ Emco Goa Pvt. Ltd.
- ✍ V. M. Salgaocar & Bro. Pvt. Ltd.
- ✍ M/s Ahiliabai Sardesai
- ✍ Cosme Costa & Sons Pvt. Ltd.
- ✍ Timblo Pvt. Ltd.
- ✍ D.B. Bandodkar & Sons Pvt. Ltd.
- ✍ Bandekar Bros. Pvt. Ltd.

### GOVERNING BOARD

- Mr. Shrinivas V. Dempo, Chairman
- Mr. L.A. Dean, Vice Chairman
- Mr. Ramesh Chowgule, Hon' Secretary
- Mr. Auduth Timblo, Hon' Treasurer

Mr. Shivanand V. Salgaocar, Member  
Mrs. Radha Timblo, Member  
Mr. C. P. Ambesh, Controller General, IBM  
Mr. Rajeev Yaduvanshi, Secretary (Mines), Govt. of Goa  
Mr. P. A. Zacharias, Vice Chancellor, Goa University

#### **EXECUTIVE COMMITTEE**

Mr. Shrinivas V. Dempo, Chairman  
Mr. Nikhil Kumar, Collector (North Goa)  
Mr. J. B. Singh, Collector (South Goa)  
Mr. Arun Madgaonkar, Representative from the society  
Mrs. Asha Sawardekar, Representative from the society  
Mr. S. Sridhar, Chief Executive Officer  
Mr. Glenn Kalavampara, Jt. Secretary, GMOEA (Ex-officio Member)  
Dr. Sachin K. Tendulkar, Programme Manager  
Mr. Parag Rangnekar, Programme Officer-Environment  
Mrs. Rupali J. Desai, Programme Officer-Social

#### **CHIEF EXECUTIVE OFFICER**

Mr. Swaminathan Sridhar





## WOMEN EMPOWERMENT

Women have always been catalysts of change in the society. An empowered woman does have a positive effect on the many aspects in the family such as educational status, good health, appropriate nutrition etc. This empowerment is brought about by education and economic independence. But many women in the rural areas do not get opportunities to develop and utilize their skills due to lack of adequate training and counseling options. The Foundation over the last four years has tried to fill in this gap and has been fairly successful. The ladies are marshaled into active SHG's, and provided with training to inculcate the importance of partnerships, cooperation, unity, bonding and trust. These qualities are then utilized to guide them to instill the value of thrift and are further trained to manage accounts, conduct meetings, provide internal-lending, and collect repayments. Energetic SHG's, which show interest, are provided with upgraded trainings in various occupational skills depending on their competence and pursuit such as stitching and tailoring, cooking and catering, agarbatti making, dyeing and printing, rexin bag making, agro-processing, etc. Avenues of marketing are also provided to the SHG members by organizing and participating in exhibitions.

Today the Foundation can boast of 40 women SHG's which have been guided and trained by the its Community Volunteers.

### CARVING A FUTURE

Ms. Deepali R. Gawade's house in a small and little known village of Soliem in the Sattari taluka of Goa is a hub of activity as 13 enterprising women cut and polish coconut shells to give them various shapes and sizes. From candle stand, soap holders, and paperweights to artistically carved key-chains, ear rings and brooches, the coconut shells come to life when in the hands of these ladies.



The entrepreneurial dream of these ladies was shown the light of the day by stoic efforts of two NGO's, TERI (The Energy & Resources Institute) and MFG (The Mineral Foundation of Goa). While TERI mobilized and motivated the ladies, MFG empowered them with technical training in carving coconut shells.

Registered under the name of Sateri Self-Help Group, the ladies have shown true spirit of camaraderie, companionship and teamwork. In this world of duplicity and deceit, this group of ladies comes forward as an example of the women of tomorrow who aspire to "carve" their future with their own hands, literally.

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## EDUCATIONAL SUPPORT

The Educational Support Programme of the Foundation aims at providing financial and in-kind assistance to needy and deserving students from the mining belt of Goa and also opens avenues for activity based learning through formal and informal set-up.

### **BOOK-BANK SCHEME:**

The Book-bank scheme has created textbook banks in all the high schools in the mining belt of Goa wherein needy students need not buy textbooks from the market but are provided by the school.

**Schools covered: 53**

**Text book sets provided: 1,755**

### **FIRST-AID TRAINING IN SCHOOLS:**

The Foundation in association with the Indian Red Cross Society Goa Chapter conducts First Aid Training Camps for students in the mining belt. After successfully covering all the schools during the last scholastic year, the Foundation covered 9 Schools, 12 Higher Secondary Schools, 4 I.T.Is and 2 Polytechnique colleges during the current year. The paramedic staff from Red Cross Society demonstrate and train the participating students in the finer details of first-aid and the use of life saving skills during emergencies.

**Educational Institutes covered: 27**

**Students trained: 787**



## SCHOLARSHIP SCHEME:

The Scholarship Scheme provides financial aid (tuition and hostel fees) to needy but meritorious students who seek to pursue higher professional studies in the state. One scholarship each in various professional institutes helps in realizing dreams, which otherwise would have remained unfulfilled.

### Institutes:

1. Goa Medical College & Hospital, Bambolim
2. Gomantak Ayurvedic Mahavidyalay & Research Centre, Shiroda
3. Shree Kamaxidevi Homeopathic Medical College & Hospital, Shiroda
4. Goa Dental College & Hospital, Bambolim
5. Goa College of Pharmacy, Panaji
6. Goa College of Architecture, Panaji
7. Goa Institute of Management, Ribandar
8. Department of Management Studies, Goa University, Taleigao
9. Goa Engineering College, Farmagudi
10. Padre Conceicao College of Engineering, Verna
11. Shree Raiyeshwar Institute of Engineering & Information Technology, Shiroda
12. Goa College of Home Science, Panaji
13. Goa College of Fine Arts, Panaji
14. Goa College of Nursing, Panaji
15. Govind Ramnath Kare College of Law, Margao
16. V.M. Salgaocar College of Law, Panaji
17. Institute of Hotel Management, Porvorim

**MFG Scholars:**

**Total: 25**

**2005-06: 07**

### BROTHERS IN ARM



Coming from a very poor background, Mr. Palav the only breadwinner of the family, runs a small hand-cart serving tea and small eats. His two sons, Gauresh and Shailesh always excelled in their studies and the parents hoped for a better future for them. But for the brothers, it was a choice between quality education and supporting the family income. Gauresh passed with flying colours at the HSSC examination with percentage meriting him entry into the Goa Medical College and Hospital. But the expenses were a huge hurdle between him and his dreams. Good fortune saw the initiation of the Scholarship Scheme of the Foundation during the same year. With high merit and poor economic conditions, the two criteria

for selection, Gauresh was chosen as the Foundation Scholar for the year 2003-04. The icing on the cake was when after 2 years his brother too was selected for the same course.

Their father is an assured man today as he witnesses his sons excel and is certain of a comfortable future, a future that he had dreamt for his family while toiling hard under difficult conditions.

## ENVIRONMENT EDUCATION

The Foundation believes in the principle that "Nature is the best Teacher" and being in and with nature brings out the real person in an individual. To foster learning through experience and literally getting your hands dirty, the Nature Club Programme of the Foundation concentrated on activity based programmes for 20 schools in the mining belt. The year-long project was initiated with a tree plantation programme wherein 10 saplings of indigenous trees were supplied to the club members with a promise to nurture the saplings. At the heart of the programme are the Residential Nature Orientation Camps for students from the member schools. These camps, catering to 100 students at a time are organized in the wildlife sanctuaries with assistance from the Department of Forests and give information on various aspects of the environment through accomplished resource persons, nature trails and also brings out the creativity in the participating students through activity based learning modules and practical experiencing. At the end of each camp the actively participating students are selected for the GREEN STUDENT AWARD, while the school, which best nurtures the provided saplings, will be awarded the GREEN SCHOOL AWARD.



**Camps conducted: 5**

**Students participated: 404**



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## MFG-LABS

The high ratio of school dropouts in the rural areas has always been a huge concern. These students who do not have employable skills, get easily lured into bad habits, addictions and can also be tempted to carry out anti-social work. If such individuals are not shown the right path at the right moment can lead to serious repercussions in the society and detrimental changes in the social fabric.

The initiative of our past Chairman, Shri. Shivanand V. Salgaocar, saw the beginning of partnership between the Foundation and Dr. Reddy's Foundation's - Livelihood Advancement Business School (LABS), which is popularly known and recognized today as MFG-LABS. It gives an opportunity to dropout youths between age group of 18-25yrs to gain proficiency in livelihood skills suiting the requirement of the industry and make them employable.

The courses to be taught are decided based on thorough market survey and interaction with various industrial sectors. The programme begins with identification of drop-outs through the respective Panchayats and Municipal Councils, followed by counseling, aptitude tests and finally a 90 day intensive training (9.30am to 5.00pm) with classroom sessions and on job training.

The first batch of MFG-LABS was initiated in Sanquelim for the students from the North Goa mining belt with training in four sectors, viz, IT Enabled Services (ITES), Bedside Patients Assistance (BSPA), Customer Relation and Sales (CRS) and Hospitality. 85 students have been trained in these vocations

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and more than 70% have been placed in various entry-level positions.

The Foundation bears the entire cost of the programme covering provision of classrooms, faculty, training, curriculum development, placement and also provides uniform, lunch, undertakes health check up during the training and charges only a nominal fee of Rs. 1000/-.

**STUDENTS TRAINED**

CRS:	17
ITES:	21
BSPA:	27
Hospitality:	21

**STUDENTS PLACED**

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**COURAGE AND HOPE**

Childhood was not a bed of roses for Darshana. The eldest of the three siblings, the responsibility of her sister and brother fell on her shoulders when she lost her parents at a young age. Not to be perturbed and vowing to provide a good education and a secure life to her siblings, she took up a job at a printing press for a meager salary of Rs. 700/-. But life was always full of hardships and she badly missed the support of her parents. It was in the month of March'2006 that she heard of the MFG-LABS Scheme and decided to enroll. Her caring and sensitive nature coupled with the compassion she had developed as the mature bread-winner of the family, saw her getting selected for the Home Nursing Course. After a rigorous training of three months she was placed as a Home Nurse for a handsome salary of Rs. 3,000/- per month.

Today she is not only supporting her brother's higher education but also provided for her sister's marriage. The immense satisfaction she gets when she sees her younger siblings prosper is beyond description. As she always says " I am proud to be MFG-LABS student...". MFG-LABS is proud of her too.





## HEALTH CARE

Health has received the maximum attention through the various activities of the Foundation. An all out effort has been made to reach-out to all the sections of the society from children to the elderly.

### HEALTH CAMPAIGN IN SCHOOLS:

The Foundation has continued its Health Campaign in schools by conducting health camps in all the high schools in the mining belt of Goa. These camps are conducted in association with a team of doctors from the member mining companies and doctors from the local Primary Health Centres. Students suffering from various ailments are identified and provided with free medicines. Those that need further interventions are referred to specialists and if the need be, are sent for specialized treatment in speciality hospitals in the State or outside the State.

It was noted that most of the students especially girls above the age group of 12-13 years knowing ones blood group in emergencies is of outmost importance and hence the Foundation has also initiated blood group and hemoglobin level testing in the schools and provides blood Group cards to every student.

#### SCHOOLS COVERED

High School: 25

Primary Schools: 3

#### STUDENTS EXAMINED

5630

359



It came as a pleasant surprise when Fatima Shaikh registered her name for the residential Nature Orientation Camp of the Foundation and to top it participated with gusto, so much so that she was one of the most active participants at the camp.

One could not have imagined her doing the same three years back. It was in 2003 that Fatima, a 13 year old student of Chandrabhaga Tukoba Naik High School, Curchorem was diagnosed with congenital heart disease during one of the regular health camps of the Foundation in 2003. The news came as a shock to her poor parents who would have to provide the costly treatment to their daughter or see her weaken in front of their eyes. The Foundation then stepped in and helped the family get the benefit of the Mediclaim Scheme and also provided financial help for travel, lodging, boarding and the post-operation al expenses. Fatima was successfully operated in 2004 at KLES, Belgaum.

Today she is like any other student studying in Std. IX. To put in the Headmasters words "She not only has shown improvement in health but has also progressed in studies..."

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## CAMPS FOR THE GENERAL PUBLIC:

Demand-based health camps for the general public is a regular feature in the Foundations activities. Specialized camps for children below the age of 12 years and adults above the age of 45 years are conducted wherein Hypertension and blood sugar testing is carried out for the later and the patients are provided with free medicines.

Villages covered: 12

Patients examined: 1764



## ASSOCIATION WITH HELPAGE INDIA:

The association with HelpAge India has entered the third year. The Mobile Medicare Unit (MMU) makes weekly visits to 7 villages to examine and treat senior citizens. This service at the doorstep has been of immense help to the elderly.

VILLAGES	PATIENTS
Mulgao	15
Velguem	28
Shirgao	36
Panchwadi	10
Sanvordem	37
Kudne	35
Amona	35
Honda	14
Shigao	20

### HEALTH CARE AT THE DOORSTEP

Devoid of a Primary Health Centre, the community of Velguem village has to travel 12 kms for medical aid. For Seetabai Rama Dabholkar, a 63 year old lady, traveling alone was not an option. She had to depend on her family and relatives to assist her. With age not on her side, regular health check-ups were a must. To top all these troubles, was the cost of the medicines. The Mobile



Medicare Unit (MMU), which was initiated in Velguem in has come as a blessing in disguise at her doorstep. With professional medical care, personal attention and free medicines, the MMU has made her life much more comfortable and stress-free. She is assured of medical opinion and steady supply of medicines every week.

Life is not the same anymore for many such senior citizens in remote areas of Goa where the MMU reaches every week without fail on the given date and time to spread hope.



## PROJECT DRUSHTI

Project Drushti has been a milestone in the progress of the Foundation. No other project has received as much response and appreciation from the community. Under the project, free cataract surgeries are conducted for the elderly living in the mining belt. The project is implemented in association with Sri Kanchi Kamakoti Peetam Charitable Trust; Sankara Eye Hospital, Coimbatore; Salgaocar Medical Research Centre; Directorate of Health Services and Satya Sai Seva Samiti. The selfless service and most importantly the 100% success has seen more and more people approaching the Foundation for availing the facility.

**Camps conducted: 5**

**Patients operated: 985 \***

### FROM DARKNESS TO LIGHT

"Cataract had made me handicapped. Music was my source of income but I was not able to teach music for years. My life was miserable..... It was through your community volunteers that I heard about Project Drushti. I had also heard stories about successful operations from other villagers. The doctor and his kind words gave me a lot of hope during the initial check-up. I was very nervous on the day of the operation but it did not even take a few minutes. I will always remember the day the doctors removed the cotton swab. I was able to see after many-many years. My vision cleared after a few days and now I am able to see very clearly. I am very grateful to the organizers for making all arrangements from travel to accommodation and taking good care of all the patients and their families. I have started teaching music again....."

Shri. Kashinath Shiva Naik Gaonkar, 70 yrs, Mayem village.



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## AID TO THE NEEDY

Appropriate and timely medical care can be a distant dream, especially for the downtrodden and financially needy. The Aid to the needy scheme of the Foundation provides financial assistance for such individuals who are in need of specialized and costly treatment either in the state or outside. Other than financial support the Foundation staff also provides moral support to the patient and the family by way of completing necessary paperwork and formalities and if the need be even accompany the patient outside the state.



### STANDING ON HER OWN FEET

Miss Shivleela Ganesh Ambigar, 11-year girl Resident of Harvalem, Sankhali had a serious orthopaedic deformity. The eldest of three siblings, she had a weakness in both her limbs and was unable to walk. She had to be physically lifted and taken to school every day. With growing age her family was finding it difficult to continue the practice.. Her father, a tailor by profession, could not afford the costly surgery the doctors had prescribed.

A student of the St. John of the Cross High School, Sanquelim her ailment was identified during one of the health camps of the Foundation. Her case was then referred to the Kasturba Hospital, Manipal where she underwent a corrective surgery on her limbs. The Foundation supported her complete treatment. Today she is able to walk on her own and her family feels confident that she will be able to complete her studies and lead a normal life.

#### PATIENT

Late Mrs. Asha D. Naik  
Miss. Shivleela G. Ambigar  
Miss. Reena R. Borkar  
Mast. Vaibhav Nerurkar  
Miss. Siddhi Rohidas Chari  
Mast. Shailendra Babuso Naik  
Miss. Kamal Naik

#### AREA

Dhadem, Sanvorde  
Harvalem, Sankhali  
Bepquegal, Curchorem  
Vaillo Wado, Dabal, Kirlapal  
Dignem, Kudne  
Pale  
Capxem, Sanvordem

#### AILMENT

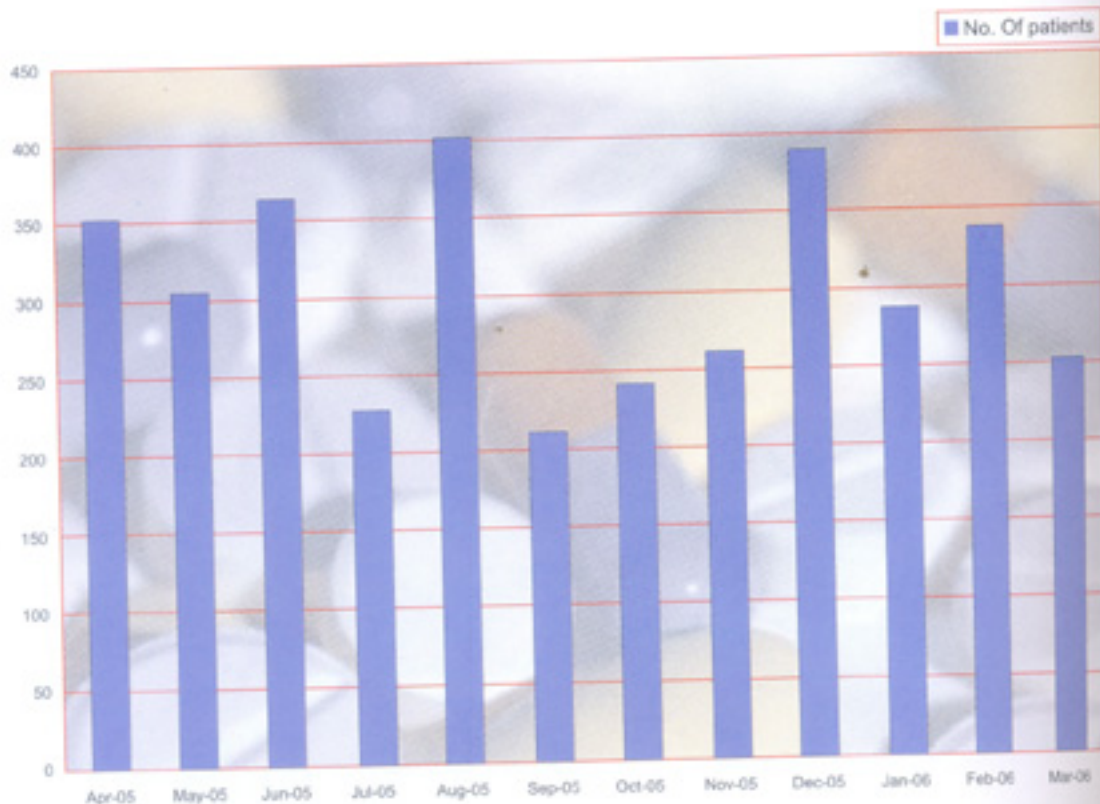
Operated for Elephantiasis  
Orthopaedic deformity  
Rheumatoid arthritis  
Retinal detachment  
Treatment for accident case  
Kidney disorder  
Defect in upper eye lid

## PARTNERS IN CAUSE

The Foundation supports the **National Tuberculosis Eradication Programme (NTEP)** of the Central Govt, by supplying protein supplements to the Primary Health Centres. The NTEP provides free medicines to the patients while the Foundation helps them in faster recovery through a healthy diet.

PRIMARY HEALTH CENTRE	NO. OF PATIENTS
Sanquelim	45
Sanguem	20
Valpoi	15
Bicholim	40

The Foundation has also partnered with Matruchaya Seva-25 to support the **Patients Aid Unit (PAU)** at the Goa Medical College and Hospital, Bambolim. The young volunteers at the PAU assist patients and their relatives coming from distant corners of Goa to access the different facilities at the hospital. The PAU has been of great help to not only people from the mining belt but also from the rest of the state to locate and avail the services of the facilities at the GMC.



Another programme running successfully is the **Weekly OPD at Sancordem** village in association with Matruchaya Seva-25. The village had no medical services and the community had to avail the facility at the nearby village. The voluntary services offered by the a medical practitioner are supported through free medicines by the Foundation.

# INFRASTRUCTURE

Basic infrastructure at the rural level is a precursor for social development of an area. This demand based scheme of the Foundation aims at developing social infrastructure for educational institutes and for the local community. The scheme constitutes provision and improvement of facilities such as library, laboratory, computer rooms, classrooms, toilets, drinking water facility, compound walls for educational institutes and children's park, crematoria, irrigation channel, village level library, foot-bridges, roads, bandharas over streams & nallahs, sluice-gates etc. for the community at large. The Foundation has moved one step ahead by involving the community in the planning and execution of these projects. Active SHG's in the village are entrusted the work of executing the projects so as to strengthen them and build their capacities.

**Educational Infrastructure: 28**

**Community Infrastructure: 34**



# ENVIRONMENT CONSERVATION

## WATERSHED DEVELOPMENT PROGRAMME

The Foundation has been nominated as the Project Implementing Agency (PIA) under the National Watershed Development Programme for Rainfed Areas (NWDPA) implemented by Ministry of Agriculture, Govt.



of India through Directorate of Agriculture, Govt. of Goa. The project consists of catchment of Cavrem-Piral-Mangal microwatershed measuring 3000 ha. of landmass to be implemented over a period of three years with total financial outlay of Rs. 1.7 Crore. The project aims towards twin goals of Natural Resource Management (NRM) and Social Resource Development (SRD). As facilitator of the said project, the Foundation is promoting organization, capacity building and training of the stakeholders so as to make them partners in the planning, implementation and ownership of the assets. Soil and water conservation measures are adopted to augment the groundwater, afforestation for biomass, promote agro-horticultural practices, diversification of production system, demonstration of new technology for landless and livelihood training supported by revolving fund are activities for the land less.



### LIVES TOUCHED BY WATERSHED PROJECT

Nestled amidst Netravali Wildlife Sanctuary and inaccessible by public transport, the village of Mangal was not able to keep pace with development. Situated at a height of 400m above msl, the village has 40 families and a total population of 300. Except one primary school there is no other public facility in this village. The nearest health centre, bank and bazaar are at a distance of 10 km. The life is predominantly agrarian and only one paddy crop is cultivated due to shortage of water.

The village was identified to implement the nationally funded National Watershed Development Programme for Rainfed Area (NWDPA) project in an area of 990 Ha.

The Mangal Panlot Sangh, a registered society with 89 members comprising of SHG, UG, Panchayat Representative and Foundation Representative was established in the month of Oct 2005. Since then nearly Ten Thousand trenches have been dug beside inter cultivation of Pineapple, 5000 m of live fencing with *Gliricidia* has been completed, people have been trained to use renewable energy based gadgets like Solar Cooker, remotely located houses have been electrified using Solar Home Lighting System, youth have been trained in Cashew processing so as to initiate a mini enterprise, the ladies are being trained in stitching and tailoring and a few more youth have been trained in fabrication of decorative items. The cumulative group savings have touched Rs. 22,000. The groups have availed total loan of Rs. 70,000 to support different activities. A corpus of Rs. 90,000 has been collected by locals through voluntary contributions. The project has generated more than 2300 labour days of work with a total expenditure of more than Rs. 4.00 Lakh.

The Sangh has shown tremendous enthusiasm to usher in development into their village and is on the way of attaining self-sufficiency to carry on the mantle after completion of the project period.

Other than the above Govt. sponsored project, the Foundation has also planned and implementing two more self funded projects, one in Mayem (Bicholim) and the other in Kirlapal-Dabhal (Sanguem).



### THE REVOLVING ENTERPRISE

Shri Ganesh Self Help Group from the Mayem village mobilized under the Mayem Watershed Development Programme is a SHG of hard working farmers. Power-tillers from adjoining villages were rented by the farmers from the village at a premium price. Realizing the potential of initiating a mini-enterprise in the village, the group resolved to purchase a power-tiller of their own. Without much group savings, the members faced a blank wall. Further, linking with the subsidy of the Department of Agriculture was not a possibility since the group had not completed six months. The farmers were faced with a dilemma of missing out on the agriculture season. The Foundation then stepped in to provide the group with an interest free revolving fund of Rs. 50,000/- After observing the enthusiasm of the members, the Zonal Agriculture Officer also extended his support by recommending the group for the subsidy much before completion of the stipulated six months. The power-tiller was purchased at the start of the cultivation season and the group accumulated an income of Rs. 4,500/- in the first season itself. The operation and maintenance was entrusted to one of the member with an understanding of profit sharing at the end of each season. On receipt of the subsidy from the Govt., the group reimbursed the revolving fund provided by the Foundation and within a year has made a profit of Rs. 7,000/-

### Registered Watershed Associations: 4

SHG's motivated: 38

User Groups: 16

Landbased activities:

Bandharas: 36

Trenches: 19,600

Sunken ponds: 10

Training organized: 37



## VERMICOMPOSTING: MANURE FROM TEMPLE WASTE

The Vermicomposting Units set-up by the Foundation at two famous temples are operating efficiently. The units have been set-up at Shree Rudreshwar Devasthan, Harvalem and Shree Damodar Devasthan, Zambaulim to convert the Nirmalya (flowers offered to the deity) into useful compost. These flowers otherwise find their way into the natural streams and river.

## NATURAL RESOURCE CONSERVATION

Renovation of traditional water harvesting structures and restoration of natural springs and watercourses has been a priority area in the activities of the Foundation since its inception. Various nallahs have been identified and year-marked for desilting as well as lakes, ponds and springs have been taken up for renovation. All these projects exemplify participatory execution wherein the users are mobilized to form functional groups to plan and execute the work.

**Number of nallahs desilted : 3**

**Length of watercourse desilted: 7.7 kms**

**Springs: 01**

**Open wells: 02**

**Sluice gates: 01**

**Bore-wells: 04**

### PARTICIPATORY RESTORATION

The Foundation has planned an ambitious project of desilting of the Suria nallah for a stretch of 10.8 kms spread over four Village Panchayat jurisdictions and to be implemented in three phases over three years. The project was initiated in the summer of 2005 starting from the Shevalanche Tale in V.P. Velguem. The Phase-I planned for 3.5 kms was completed and a further 500 m was covered before the monsoon of 2005. The Phase-II was initiated in December 2005 for another stretch of 3.5 kms. But the work faced a major obstacle in the form of the *Waingan* crop in the paddy fields in Joshi Bhat and Deulwada area through which the nallah flowed. In anticipation of the hurdles, the Foundation initiated dialogues with the farming community and had a series of meetings to resolve the issue. During discussion many finer points came to light such as the width of the nallah needed restoration to its original size of 5m compared to the present 1.0m. This meant slow pace of work in the wet conditions and increased costs. The discussions in the end saw a negotiated agreement and a partnership developing between the community, the mining industry, the Govt. in the form of the Zonal Agriculture Office and the Foundation acting as a bridge. The farmers agreed to keep their land uncultivated so that the Foundation could carry on the work while the mining industry stepped forward to support the community by providing financial assistance keeping the land fallow. The Zonal Agriculture Officer agreed to value the crop loss for the payments to be made to the Foundation on the other hand agreed to restore the nallah to its original grandeur by widening it to a width of 5m. During the course of desilting it was realized that the side of the freshly cut nallah could collapse during the monsoons, hence the Foundation once again played a key role to convince the mining companies to financially support the construction of bank walls along the nallah banks.

**Length desilted: 6.5kms**

**Estimated cost: Rs. 72,00,000/-**



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## RESEARCH

Research Action Research has been the approach adopted by the Foundation in all its activities. Proper scrutiny of projects and studying the effectiveness of the implemented projects have been guiding lights for planning of developmental programmes and schemes for the community at large. The challenge of management of overburden is being researched by the Foundation for utilization for manufacture of building materials. The Terrablok project has shown encouraging results in its initial trials and the manufactured blocks were used for constructing a toilet block for a school. The Foundation now plans to tie up with The Earth Institute, Auroville for professional training to SHG's and set-up a production centre in the mining belt.

The demonstration plot of Vekhand (*Acorus calamus*) has shown positive results and will be propagated on a larger scale during the monsoon of 2006. The Foundation is also in the process of motivating farmers from the mining belt to take up medicinal plants cultivation and avail the benefit of the buy-back arrangement between the Foundation and the Gomantak Ayurvedic College and Research Centre, Shiroda.

The Foundation has also initiated a demonstration plot in association with the Sanjeevani Sahakari Sakhar Karkhana, Tisk at Bhatti in Sanguem Taluka to demonstrate the standard package of practices of sugarcane cultivation. The plot is presently under observation and will yield results towards the end of summer of 2006.

### Road Sweeping:

To attempt at resolving the issue of fugitive dust, the Foundation employed a Truck Mounted Road Sweeping Machine for a period of 2 months on trial basis. The machine was engaged so as to study the efficacy of its usage on the public roads to vacuum clean the dust that accumulates on them. Further detailed studies and pilot scale trials are needed to verify the efficiency of the methodology on the mining roads.

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## THE WAY FORWARD

The Foundation has determined plans of setting foot in varied fields and expand its horizons. After the successful organization of seminars and workshops in association with the Society for Ecological Restoration India for creating awareness amongst the mining fraternity about the need for incorporating ecological principles in the restoration and reclamation process, the Foundation now plans to initiate a pilot on field project on Ecological Restoration at one of the mines. The project will serve as a model for restoration work to be undertaken by the industry in other parts of the state. Plans are also afoot to identify and adopt one village each in North and South Goa to undertake developmental activities through stakeholder consultation.

Under the Nature Club Programme, the Foundation has been successful in raising awareness levels about biodiversity and environmental issue among the student community in the mining belt. The Foundation now plans to undertake publication of a series of popular books under a series devoted to biodiversity issues. The first in line is "A Photographic Guide to the Butterflies of Goa". This series aims at filling the gap in our knowledge about biological diversity in the biodiversity rich state of Goa.

## GENERAL

The Foundation conducted a workshop in association with the Goa Energy Development Agency (GEDA) on "Renewable Energy Based Gadgets" for the women of Mayem village in Bicholim taluka.





## INVESTMENT ON VARIOUS DEVELOPMENTAL PROGRAMMES DURING 2005-06

SR.NO.	PARTICULARS	AMOUNT (Rs.)	TOTAL (Rs.)
I	<b>SOCIAL</b>		
1	Women Empowerment	1,52,852	
2	MFG - LABS	10,63,238	
3	Infrastructure Development	58,67,477	
4	Health Care	69,03,566	1,39,87,133
II	<b>ENVIRONMENTAL</b>		
1	Natural Resource Conservation	59,41,980	
2	Participatory Watershed Development Programmes	1,76,700	
3	Upgradation of road network	71,77,595	
4	Restoration of traditional water-harvesting Structures	4,53,405	1,37,49,680
III	<b>RESEARCH</b>	5,29,970	5,29,970
		<b>GRAND TOTAL</b>	<b>2,82,66,783</b>

## YOU CAN HELP

Over the years the Foundation has spread its arms wider into the remotest villages in the mining belt of Goa. The difficulties encountered while doing so have been immense but the satisfaction of being of help to the society is much greater. To be able to reach out to more areas and people, to implement developmental projects in remote areas and in order to make the developmental process all inclusive, the Foundation realizes that it needs to have its messengers spread far and wide and distributed evenly in its working areas. With the thrust on inclusive decision making and participatory implementation the need is felt much more.

The Foundation also believes in partnerships, partnerships with like-minded selfless organization and individuals who can assist the Foundation reach out to the masses more effectively with its programmes. If you are a dedicated individual, willing to spend time with the community and undergo hardships just for the satisfaction of putting a smile on the face of the people, there are ample volunteering opportunities at the Foundation.

Volunteers will be chosen taking into account their interests and skills and most importantly a will to give back something to the society. The volunteers can also choose their field of interest. We encourage the volunteers to personally get acquainted with the project and the organization. Working with the Foundation will surely be a learning experience to the volunteers and we too can learn from you.

If you think you have it in you write, email us or simply walk in at:

**Mineral Foundation of Goa**

P.O. Box 113, Vaglo Bldg,

Panaji - Goa

403 001

Ph: 0832-6641501/6641502/6642942

Fax: 0832-6642941

Email: [mfg@sancharnet.in](mailto:mfg@sancharnet.in)

## The list of Ordinary Members as on 31st March 2005

### **Sesa Goa Ltd.**

Sesa Ghor, Post Box No.125, Panaji - 403 001

### **Damodar Mangalji & Co. Ltd.**

Salgaocar House, Post Box No.14, Vasco da Gama - 403 802

### **V.S. Dempo & Co. Ltd.**

Dempo House, Campal, Panaji - 403 001

### **Dempo Mining Company Ltd.**

Dempo House, Campal, Panaji - 403 001

### **Sociadade de Fomento Indl. Ltd.**

Post Box No.31, Margao - 403 601

### **Chowgule & Co. Ltd.**

Chowgule House, Mormugao Harbour, Mormugao - 403 803

### **Emco Goa Pvt. Ltd.**

Post Box No.54, Margao - 403 601

### **V.M. Salgaocar & Bro. Pvt. Ltd.**

Damodar Niwas, Post Box No.32, Panaji - 403 001

### **M/S Ahiliabai Sardessai**

Dempo House, Campal, Panaji - 403 001

### **Cosme Costa and Sons Pvt. Ltd.**

Altinho, Mapusa - 403 507

### **Timblo Pvt. Ltd**

Kadar Manzil, P.o.Box No.34, Margao - 403 601

### **D. B. Bandodkar & Sons. Pvt. Ltd. .**

Atmaram Commercial Complex, Dr. A.B.Road, Panaji - 403 001

### **Bandekar Bros. Pvt. Ltd.**

Suvarna Bandekar Building, Vasco-da-Gama - 403802



P.O. BOX 113, VAGLO BLDG, PANAJI, GOA 403 001  
TEL: 0832-6641501, 6641502, 6642942 FAX: 0832-6642941  
Email: [mfg@sancharnet.in](mailto:mfg@sancharnet.in) URL: [www.mfgoa.org](http://www.mfgoa.org)