

Sustainable Development Framework Report-2016-17



M/S TRIMEX SANDS PRIVATE LIMITED
Srikurmam Mineral Sands Mine
VATSALAVALASA AND TONANGI VILLAGES, GARA MANDAL,
SRIKAKULAM DISTRICT, ANDHRA PRADESH STATE

INTRODUCTION

Trimex Group is a group of forward looking companies, with a diversified business portfolio involving Raw Materials (Iron Ore, Barite, Bauxite, Feldspar, Bentonite, Limestone, Coal, Mineral Sands), Metals (Base Metal, Ti Group), Cement, Trading and Shipping etc. Trimex Group was established to fill the demand-supply gap for quality industrial minerals to the oil drilling industry. Three decades on, the Group has evolved into one of the world's leading global minerals and metals conglomerate. Each of the Trimex Group Company has very ambitious investment plans with focus on technology, R&D, value addition and services.

Over the years, the Group has worked on the principle of backward integration into mining and sourcing of raw materials and forward integration to make customized products delivered to the warehouse/stockyards of the ultimate customers, thereby diversifying and garnering experience into the fields of Mining, Processing, Shipping, Logistics, Marketing and Research and Development.

Trimex Group identified the Titanium related business as an opportunity with great future and went on to identify suitable deposits from the year 1999. The journey of Trimex since the Government of India liberalised private participations in the exploitation of Heavy mineral sand deposits for the benefit of the Nation and fullest utilization of national resources.

Trimex Sands Pvt. Ltd has established Mining, Pre-Concentration Plants and Mineral Separation Plant based on the existing Srikurmam Heavy mineral sands mine to produce heavy minerals i.e. Ilmenite, Rutile, Zircon, Garnet and Sillimanite. The mine located on the Andhra Pradesh coastal line, east on Bay of Bengal and it is 15 Km away from Srikakulam, the District Head quarter in Andhra Pradesh.

The company draws power from a dedicated 33KV power line installed at Chilakapalem sub-station 40 km away. The company also has Diesel Generators/Solar Power for captive and 100% power backup. Water is drawn from the nearest river source through a dedicated 9 Km Pipe line laid by the company. TSPL has ensured utility requirements i.e Power, Water, Road etc. for effective running of the plant.

Trimex Sands has commissioned a solar power plant, as part of its initiative towards reducing carbon footprint. As part of the effort, the company set up a 1.1 MW Solar

Photovoltaic (PV) Power Plant at Srikurmam at an investment of Rs.11 crore. Approximately 1.3 Lakhs units' power is being generated by solar plant per month. The solar plant is generating as per its rated capacity and part of Srikurmam plant's requirement is being fulfilled by green power.

The most environmental friendly mining methodology is being adopted by the company. After processing of raw sand and separation of heavy minerals, tailings are pumped back to the mined-out area for immediate back filling and reclamation.

The project is strictly following all statutory compliance of MoEF, SPCB, IBM, AMD, AERB, DGMS, CGWB etc.

MINING

The mining is a combination of manual and mechanized opencast method of working by deploying shovels/dredger and tippers. Average 5-10% of heavy mineral sand per annum has been produced by manual operation in Vatsavalasa block only and the balance 90-95% by mechanized mining in both Vatsavalasa & Tonangi blocks.

Manual mining operation is up to 2-3 m from the surface of up in Vatsavalasa block. Manual mining is done mainly for meeting local social employment. For heavy mineral sand mining, no drilling and blasting on the deposit or sorting of the mined material at site are necessary.

For lower sand mining, TSPL has carried out studies and test work for developing a technological process for treating the heavy mineral sand with higher slime content (lower sand) that occurs below the upper sand. Now, the company is utilizing this low-grade ore (lower sand) of Vatsavalasa block which is lying below the backfilled area from the mineral conservation point of view as well as augmenting the life of the mine.

Run-off mine ore are transported to the Pre-Concentration Plant (PCP) in tippers/tractors. In the pre-concentration plants (PCP), the concentrates of heavy minerals are separated from sand by subjecting them to gravity separation. In pre-concentration plant where latest imported equipment viz spirals, classifiers, screens are used to concentrate minerals into three to four mineral rich concentrates viz., Concentrate-1 containing very heavy minerals (Ilmenite, rutile and zircon), Concentrate-2 containing predominately Sillimanite and Concentrate-3 and 4 containing mainly Garnet. After recovering the concentrates of heavy minerals, the sand tailings and slime

are pumped back in to the mined-out area for backfilling and reclamation, subsequently plantation are undertaken. The mined-out areas are backfilled to almost its original level and afforested after improving the fertility of the land in an effective manner so that plant colonization shall be faster, compared to time consuming natural process. Thus, the impacts on beach profile and eco-system will not be adverse.

The mineral concentrates from PCP are transported to the Mineral Separation Plant for further processing and separation of individual minerals. By using electro static separators, the minerals which are primary conductors and the non-conductor are separated out. The primary conductor minerals will pass through Induced Roll Magnetic Separators to separate the Ilmenite and the Rutile. The non-conductors are passed through high intensity Roll Magnetic Separators and various other processes to separate Garnet, Sillimanite, and Zircon. Waste generated from the MSP which mainly comprises of sand and unrecovered fine grained heavy minerals is dumped back in to the mined-out area for backfilling, reclamation and afforestation.

No ground water is pumped out. Water going to the mined-out pit with tailings is recovered back to the PCP through a Thickener and water treatment plant for process water requirement.

Sustainable Development Framework

An attempt to ensure minimal impact of a mining project on the environment and human settlement, the Union Ministry of Mines has implemented a “Star Rating” system for mining leases to promote sustainable development practices which includes addressing the social impact of resettlement and rehabilitation and key information’s of the mining activity including mines basic information’s, environmental safe guard measures, CSR activities.

A star rating programme is for the efforts and initiatives taken for implementation of the Sustainable Development Framework (SDF).

SDF provides guidance to mining companies to improve the performance not only with regard to environment and social aspects but also provides a common benchmark against the operations which can be evaluated in terms of comparative performance on sustainable development norms.

Abiding by the said guidelines of the Govt. the company has constituted a sustainable development Unit (SDU) under SDF. The team comprises of different key personals of the organization involving technical, financial, CSR, HR/HRD, Environment departments. The SDU is headed by **Rafi Ahmed (Vice President-Operations)** who is functional head of the organization. He is a graduate in Mechanical Engineering from Kerala University and obtained MBA from Madurai Kamaraj University. He has over 22 years rich experience in production planning & control; operations and maintenance. He has played a important role in M/s Kerala Minerals and Metals Ltd (A Titanium Dioxide Pigment Unit, (A state government undertaking)) in standardizing the titanium tetrachloride purification process using the oil developed indigenously and key positions in M/s Indian Rare Earths Ltd (A Government of India undertaking). The other members of the SDU are as follows

- ❖ Jose Mathew-Vice President (Mines)
- ❖ Deepak Rathod- General Manager (Tech. Services)
- ❖ Viswa Prakash Cherukuri- Head (CSR)
- ❖ Y Bhaskara Rao- DGM (HR)
- ❖ B Kasinath- DGM (Finance)

The company has incurred expenses of Rs.1249.42 lacs compared to proposed 71.67 lacs (10% of the royalty) for implementation of SDF at mine level including environment protection, CSR and other welfare activities for financial year 2016-17.

Environment Management Programme

The mining activities will have both positive and negative effects on the surrounding environment. Opencast mining activity causes some adverse impacts on the surrounding environment unless proper environmental management plan is adopted. The magnitude and significance of the environmental pollution caused by mining depends on method of mining, scale and concentration of mining activity.

Heavy Mineral Sand Mining being site specific activity, necessitate strict adoption of guidelines prescribed by Ministry of Environment & Forests (MoEF), State Coastal Zone Management Authority (SCZMA), Indian Bureau of Mines (IBM), Atomic Mineral Directorate of Exploration and Research (AMD) and State Pollution Control Board (PCB) to minimize the major possible impacts.

The key features under environment Management Programme are as follows:

Reclamation and rehabilitation:

The mined areas will be backfilled to almost its original level and afforested after improving the fertility of the land in an effective manner so that plant colonization shall be faster, compared to time consuming natural process. Thus, the impacts on beach profile and eco-system will not be adverse. The ROM will be subjected to washing in the Pre-Concentration Plants and after the recovery of the heavy minerals the remnant sand will be pumped back in to the mined-out area and backfilled. After backfilling, the entire area is rehabilitated by plantation of Cashew and Casurina trees. The density of afforestation will be about 1,000 plants per hectare.

Due to such eco-friendly mining activity and planned reclamation measures of the mined-out areas simultaneous with excavation, the net land degradation at any point of time would be very minimum. Therefore, the gap between mining and restoration to pre-mining stage to only a few months and the impact of mining on local environment will be very minimum.

As the sand zones opened at any particular area or any particular point of time in the year is very meager (around 2-5% of the ML area distributed at 2-3 different parts of the lease area), the impacts of mining shall not adversely affect the habitats. The deposit is entirely situated outside the active beach area between HTL & LTL and it is not replenishable.

Water regime:

No surface or ground water bodies are available in the lease area. River Vamsadhara is the major water source which is located at a distance of 4 km from the northern part of the ML area. Apart from this river, there is a small stream called "Gedda" in between the Vatsavalasa and Tonangi Villages. Both these water bodies are away from the mining areas and do not get affected by mining activity.

Protection of ground water:

- i. Since any pumping of ground water is not envisaged from the lease area and water for the plant is sourced from the river, ground water will not be affected.
- ii. Absolutely no effluents is being discharged from the mining operations as well as pre-concentration plant. In the event of rainfall, the high permeability and

- porosity of the sandy strata enables quick infiltration of the collected water. As the mine workings will be limited to 7-8 m depth from ground level and the water table gradient is towards the sea, sea water intrusion will not take place.
- iii. To tackle any run-off water flowing towards the sea, a proper drainage is being provided without affecting the mining operations;
 - iv. As the water consumption is limited to the drinking and other domestic purposes only like washing by the staff and labour of this project, this waste water will be disposed of by means of common septic tank system.
 - v. To minimize fresh water requirement from the river, a full-fledged water treatment plant and three thickeners are installed for recirculating and cleaning the used water

These control measures will ensure that water regime in the area will not be affected by the activities of this mining project. Regular water sampling from the open wells and piezometers from the core and buffer zone and analysis of them are being carried out by MoEF/PCP approved external laboratory and ensured that quality is complying with statutory limits.

Existing air quality status:

The existing air quality is unpolluted. However certain amount of dust will be generated during transporting the mineral in tippers which will be controlled by regular sprinkling of water on the haulage roads. The air pollution will be controlled and will be maintained within the ambient air quality standards of $\text{SO}_2=120 \text{ ug/m}^3$, $\text{NO}_x=120 \text{ ug/m}^3$, Suspended Particulate matter = 500 ug/m^3 , Respirable particulate matter = 150 ug/m^3 , CO = 4ppm and Lead 1.5 ug/m^3 .

Corrective measures for prevention of air pollution:

Due to mechanized activity, there may be some limited adverse impact on the quality of air in the mine and dry mineral separation plant. The pre-concentration of the heavy minerals from the heavy mineral sand does not affect the quality of air because of its simple wet operation processes. The pollution that could be caused on the air will be due to the negligible dust raising from the vehicular movement, loading operations, material handling in mineral separation plant and the gaseous emissions from the vehicles and chimneys. To mitigate these impacts on the quality of air, the following control measures will be adopted

- i. The heavy mineral sand (RoM) typically contains 4 to 6 per cent moisture which helps bind the grains together and preventing the sand particles getting airborne even during transportation by dumpers/tippers from pit to processing plants. Also, the waste sand which is about 80% of the ROM and forms reject material from pre-concentration plant is pumped back to the mined out pit in slurry form. Therefore, practically no dust emanates from the transportation or loading machinery.
- ii. Water sprinkling on transport roads is done periodically to reduce dust emanation.
- iii. Green belt is developed around the project site. Similarly, along the peripheral boundary of the mining lease area, green belt mostly consisting of the varieties which sustain in the local conditions like Accasia, Cashew, Casurina etc, are being developed to arrest propagation of dust and gaseous discharges.
- iv. Regular schedules of machinery maintenance and services are undertaken to keep exhaust emissions well within the permitted levels.
- v. Dust collectors and bag filters are provided in the mineral separation plant to arrest the flow of the fine dust particles.

Existing noise level status:

Since drilling and blasting is not required, the noise generation due to drilling and blasting is not there. The noise level is kept under check by regular maintenance of the machines and by taking all the precautions. Regular monitoring of noise level for core zone and Buffer zone is conducted by MoEF/PCP approved laboratory.

Vibration levels (due to blasting):

Drilling and blasting is not required and hence there is no vibration on account of blasting. There is some vibration caused by the machines deployed in the mine but proper maintenance ensure that vibrations are well below the prescribed norms.

Acid mine drainage:

No Acid or toxic generation within the mining lease area due to mining activity. However, to tackle any run-off water flowing towards the sea, a proper drainage is provided without affecting the mining operations; These control measures will ensure that water regime in the area will not be affected by the activities of this mining project. Frequent water sampling and analysis are carried out for monitoring the water quality to ensure compliance with statutory limits.

Tailings Dam Management:

The silica sand tailings from the pre-concentration plant is simultaneously used to back fill the mined-out areas concurrent to mining operations. There is no necessity of the tailing dam. Water going to the mined-out pit with tailings is recovered back to the PCP through Thickeners and water treatment plant for process water requirement. Water used for washing the sand is also re-circulated. The plant water discharge along with tails is being analyzed and found no toxic material. No toxic effluent or substances were discharged.

Photos of Environmental Manangement:



BACKFILLING OF MINED OUT AREA



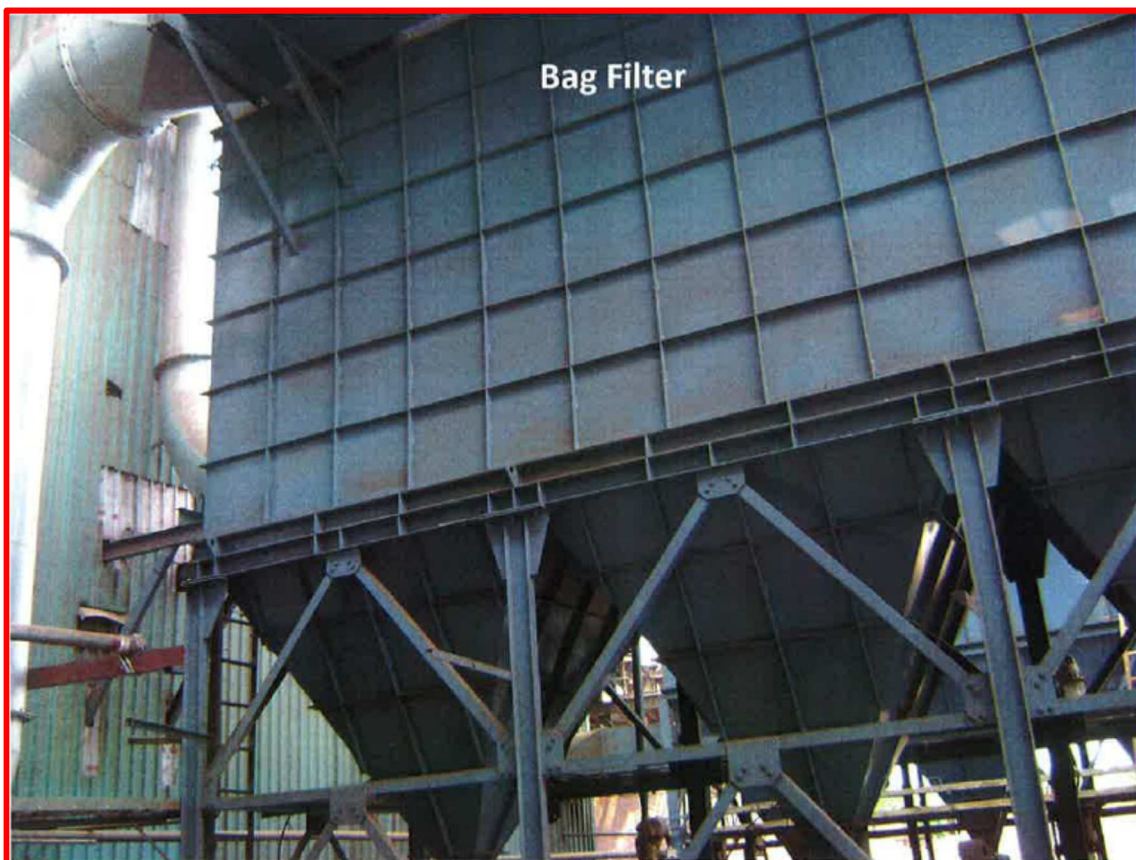
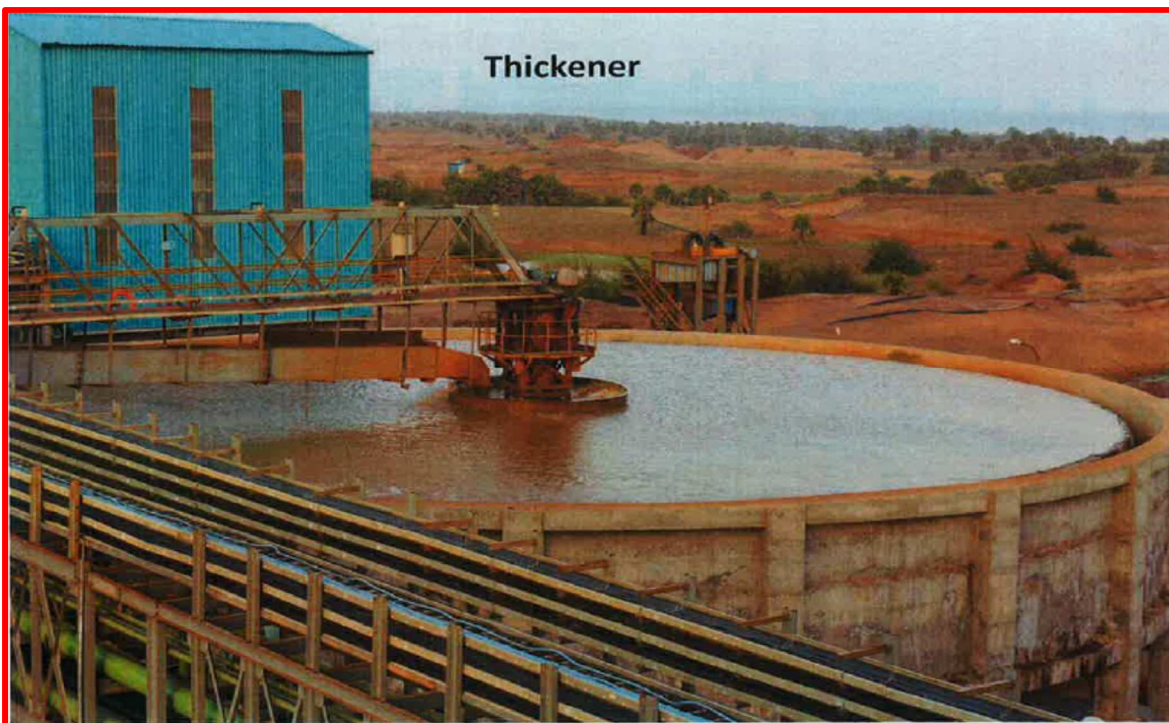
AFFORESTATION IN BACKFILLED AREA



PLANTATION GROWN ON REFILLED AREA



HAUL ROAD DUST SUPPRESSION ARRANGEMENT



CORPORATE SOCIAL PERFORMANCE:

CSR is an integral part of our company vision and a true reflection of our core value as a Good Corporate Citizen. We at Trimex Sands Pvt. Ltd. would like to contribute to harmonious and sustainable development of a society where empowerment, creating shared value and transparency in our business operations is the cornerstone of our CSR policy.

The works under CSR and Community Welfare activities are being done in the areas of Self-Employment, Education & Training, Medical Infrastructure, Community Welfare and Rural Infrastructure. The company has set up Koneru Prasad Charitable Trust, a Section 26 firm in 2005 to execute the CSR and Community Welfare activities of Trimex Sands Pvt. Ltd. to fulfill its social responsibility and engage stakeholders.

Trimex Sands Pvt. Ltd. will constantly endeavor to build and maintain sound relationship with our stakeholders through honest and open communication channels thereby partnering prosperity.

Sustainable resource management is our endeavor for the society. The company has considerable experience in weaving environmental accountability and social responsibility with commercial success. Sustainable mining depends upon the mine safety and health as well as optimizing the extraction of mineral resources. Trimex works closely to build positive relations between the mining operations and the community.

Trimex is committed to ensuring the social wellbeing of communities in the vicinity of its project site through Corporate Social Responsibility (CSR) initiatives in alignment with its business operations. The company shall engage with the community by undertaking the following principles and activities.

- Consult pro-actively with the community and other key stakeholders for understanding need and designing initiatives to meet them
- Augmenting Primary Education System with emphasis on girl child education.
- Building and strengthening Healthcare Facilities including safe drinking water
- Enhancing programs on Livelihood & Employability
- Building Social Capital and Infrastructure
- Nurturing Sustainability for Inclusive Growth

WORK DONE UNDER CSR ACTIVITIES:

1. INFRASTRUCTURAL DEVELOPMENT:

- **Roads:**
 - Construction & maintenance of RCC bridge
 - Construction of culvert
 - Construction of CC Roads
 - Laying of ring road
 - Laying Murom, Gravel on clayey Roads
- **Street Lights:**
 - Distribution & maintenance street lights & LED bulbs to villagers
 - Distribution of 350 street lights - 27 villages
- **Others:**
 - Construction of Community Hall
 - Construction of shelter for Marine Police - Bhavanapadu village
 - Construction of drain
 - Fish drying platform - Perlavanipeta & Mogadalapadu villages
- **Water & Irrigation**
 - Cleaning Canal with Hydra - Gara Panchayat, Kummaripeta & Korlam villages
 - Cleaning Canal to cultivate 350 acre farm land - Pedda Tonangi villages

2. PROVISION OF CLEAN DRINKING WATER:

- **Established RO Plant for Drinking Water:**

The company has provided a **Reverse Osmosis Plant** for providing safe and potable drinking water to the villagers of Aadavaram. Trimex Sands Pvt. Ltd.

established RO plant under N T R Sujala Sravanthi Scheme in Aadavaram village, Gara Mandal. The village residents are very happy to get safe potable water at their door steps and thank the company for this contribution.

- **Supply of drinking water through Tankers:**

The coastal villages were suffering from major drinking water problems due to excessive salt water. After Trimex Sands Pvt. Ltd. started operations, the company has taken the onerous task to ensure supply of potable drinking water to the coastal villages abutting the project site. The residents in all these villages are very happy with this supply of clean and hygienic drinking water and thank the company management.

- **Other Works:**

- Construction of water supply scheme
- Repair of hand pumps
- Digging bore-well at sub-jail and police quarters
- Established RO Plant under NTR Sujala Sravanthi Scheme - Aadavaram village
- Laying water pipe line - Pedda Vatchavalasa & Perlavanipeta villages
- Installation and maintenance of submersible pumps - Mogadalapadu
- Construction of drinking water well - Mogadalapadu village

3. PUBLIC HEALTH AMENITIES:

- **Health Clinic:**

Trimex extended its support to augment existing Government infrastructure for offering health care facilities. It has established a Poly Clinic in Vatchavalasa village equipped with two experienced doctors, pharmacy, basic labs for conducting tests as well as consulting room with two beds for simple procedures. After initial screening, patients with serious ailments are referred to Government or private hospitals for further treatment. The company has been working with the District Administration and Gram Panchayat to conduct regular awareness camps on health, sanitation and hygiene and explain its benefits. Some of its other initiatives include the following:

- **Medical Camps - Eye, Blood donation, Pediatrics etc.**

- Blood donation camp
- Eye check-up
- Pediatrics
- Orthopedics

- **Dialysis Center:**

The company has also set up a dialysis unit in the Govt. hospital at Tekkali with an investment of 80 lakh. Total 113 Nos of kidney patients has been benefited so far from the dialysis center.

- **Medical assistance for kidney patient - Ms. Swapna:**

The company has been providing financial assistance of Rs. 2000/- per month for last four years for kidney treatment. She has now recovered and started going to A.V.M.H School, Gujarathipeta for studies and her parents are very thankful to Trimex Sands Pvt Ltd.

- **Supply of Food for Patient's Attendants:**

Sri Satyasai Nitya Annapurna Seva Padhakam feeds over 300 patient attendants daily at RIMS Hospital with breakfast, lunch, and dinner. The company has been supporting this noble initiative with a monthly donation of Rs 17940 towards the supply of gas cylinder, which has been appreciated by the patients & their attendants as a responsible social gesture

4. EDUCATION:

Taking cognizance of the poor school infrastructure in Gara Mandal, Srikakulam District - Trimex has taken up the onerous task of supporting this initiative for the first 6 years, viz. 2009-15. The company has been extending support to the improvement and up-gradation of school infrastructure in numerous villages with the following initiatives:

- **School infrastructure - Initiatives**

Trimex constantly made dedicated efforts to improve the school infrastructural facilities.

- **Smt. Potluri Varalakshmi School:** Construction, Operation, and maintenance of school - Vatchavalasa village
- **SC Girls Hostel:** Maintenance & Repair works - Gara Mandal, Gara Panchayat
- **Integrated Boys Hostel:** Inverter, bore-well & pump - Gara Mandal, Gara Panchayat
- **BC Girls Hostel:** Compound Wall - Bandarvanipeta village
- **BC Boys Hostel:** Compound Wall & bore-well - Paata Tekkali village
- **MPUP School:** Compound Wall, Kitchen Room & Construction of Water Tank
- **MPEP School:** Construction, Maintenance & Repair of Compound Wall - Pedda Vatchavalasa, Korlam, Komaravanipeta, Perlavanipeta & Mogadalapadu villages
- **Social Welfare Hostel:** Renovation - Sompeta, Baruva, Mamidipalli,
- **MPEP School:** Distribution of utilities for mid-day meal - Perlavanipeta & Mogadalapadu villages

- **Supply of stationery - school bags, books, uniform, notepads**

- **AP Gurukula Patasala:** School uniform, bed sheet & Inverter provided to 378 girl students in Vomaravalli
- **MPE School:** Supply of 5000 school bags -30 villages in Bhavanapadu, Srikurmam mining area
- **MPE School:** Donation of Stationery, Chairs, Tables - Perlavanipeta village
- **MPE School:** Supply of fans, tube lights - Mamiddipally village, Sompeta Mandal

- **Financial aid to students**

- Sponsorship of Class X study material - Srikakulam district
- Distribution of All-in-One model paper to students - Srikakulam district
- Stipend for Vidya Volunteer R Ganesh- Sainooru, Bhavanapadu
- Financial aid of Rs. 50,000 per annum to J Vijay to pursue MBBS course

- **Training and assistance for self-employment**

The company has been provided skill development training on stitching to the village women for their self-employment.

5. Greening of areas outside of leasehold area

Trimex Sands Pvt. Ltd. believes in green business and so focusses attention on clean and green technology in all its operations to protect the environment. So, the company has developed green belt outside the lease area and planted 7649 trees between FY 2013-14 to 2015-16. The company has supplied 6350 tree guards to RIMS hospital, Collector's Bungalow road and other areas.

6. Social and Community welfare

Conscious of its social & community responsibilities Trimex has supported a number of initiatives that were needed by the neighboring communities abutting the project site. These include working on setting up infrastructure & upkeep of different temples, donations for religious festivals, old-age community homes, and financial aid for mentally handicapped children, tree guards and community halls among others. A list of some activities is given below:

- **Temple**

- Srikurmam Temple - Stage for cultural activities, compound wall, construction of toilets.
- Suryanarayana Swamy Temple, Arasavilli - Stairs and Tails were laid at Indrapushkarini
- Sri Kurmanatha Temple - Stage for cultural activities, compound wall, construction of toilets, canopy for devotees walking around temple, Parikrama Mandapam and Gosala - Srikurmam
- Construction of Ram Mandir Mandapam-Mogadalapadu village
- Contribution to Hanuman Temple - Perlavanipeta village

- **Development of Sports**

- The company distributed sports kits to the youth associations and schools to help and encourage sporting talent in Srikakulam district.
- Sports Kits & Tournaments: Distributed nearly 4500 sports kits to youth clubs through Nehru Yuvajana Kendra.
- District Volley Ball Tournament - 21 teams participated at Mogadalapadu
- 50 track suits given to Masters' Athletic Association & 15 pairs of hockey shoes for District Hockey Tournaments - Srikakulam

- **Community Development**

- Construction, Repair & Maintenance of Cosmopolitan Club - Srikakulam
- Development & Renovation of LBS Community Park - Srikakulam
- Renovation of Sanveevayya Park & Library - Srikakulam
- Chiccolu Chirudivvelu Scheme - Donation given to Red Cross Society
- Provided mike set - Tonangi Panchayat
- Financial Aid for mentally handicapped children -Sunlight Education Society
- Financial Aid for Home for Aged -Prashanti Vruddha Janasramam
- Sponsorship of activities - Indian Red Cross & RIMS Hospitals
- Construction of Cremation Shed - Pedda Vatchavalasa village

Photos of CSR Activities:



CONCRETE ROADS IN LOCAL VILLAGES



DRINKING WATER SUPPLY TO LOCAL VILLAGES



DRINKING WATER SUPPLY FROM RO PLANT



FREE MEDICAL CAMP IN LOCAL VILLAGES



PROMOTION OF SPORTS ACTIVITIES



**DISTRIBUTION OF DUST BINS (WET& DRY) TO MUNCIPALITY IN PRESENCE OF
MLA & COMMISSIONER OF SRIKAKULAM**



**DONATION OF STREET LIGHTS & CFL BULBS ALONG WITH ALL ACCESSORIES
TO LOCAL VILLAGES**



DONATION OF MARRIAGE & CREMATION EXPENCES TO LOCAL VILLAGES



AWARDS RECEIVED BY TRIMEX SANDS (2016-17) for BEST RED CROSS SERVICES



**YOGA CLASSES & CULTURAL ACTIVITIES TO SCHOOL CHILDREN CONDUCTED BY
TRIMEX**



TREE GUARDS SUPPLY TO LOCAL GOVT. SCHOOLS

Contact Information of key SDF Members:

Name	Designation	Email	Phone No.
Rafi Ahammed	Vice President (Operations)	rafi.ahammed@trimexsands.com	+91-9704928886
Jose Mathew	Vice President (Mines)	josemathew@trimexsands.com	+91-8978607888
Deepak Rathod	General Manager (Tech. Services)	deepak@trimexgroup.com	+91-9790958251
Viswa Prakash Cherukuri	Head (CSR)	cherukuri.v@trimexsands.com	+91-9704396662
Y Bhaskara Rao	DGM (HR)	bhaskara.rao@trimexsands.com	+91-8008222248
B Kasinath	DGM (Finance)	kasinath.b@trimexsands.com	+91-9704788663
