National Award for Excellence in Energy Management - 2017
Sterlite Copper, Tuticorin, Tamilnadu
Sterlite Copper - A Snapshot

- First private sector Copper Smelter in India with integrated operations extending from mines in Australia to smelter, refinery and rod plants in India.
- Sterlite Copper produces approx. 2% of world copper production and holds 36% of market share in India.
- Revenue in excess of Rs. 19,000Cr & 3rd largest company in Tamil Nadu contributing to 3% of TN GSDP.
- **World first custom copper smelter with Zero liquid discharge system since the inception of plant.**
- **World first certified mining & metal company in Asset management System ISO 55001:2014**
- Employment to 2800 directly and 2,0000 indirectly.
- Largest private sector user of port; contributes to 8% of port’s revenue.

Marching Ahead with Pride
Copper Business - India

**CAPACITY SUMMARY**

<table>
<thead>
<tr>
<th>Product</th>
<th>Capacity (TPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Anode</td>
<td>4,00,000</td>
</tr>
<tr>
<td>Copper Cathode</td>
<td>4,00,000</td>
</tr>
<tr>
<td>Copper Rod</td>
<td>2,50,000</td>
</tr>
<tr>
<td>Power</td>
<td>160 MW</td>
</tr>
</tbody>
</table>

**SILVASSA COMPLEX**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Capacity (TPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refinery</td>
<td>1,95,000</td>
</tr>
<tr>
<td>Rod Mill</td>
<td>1,60,000</td>
</tr>
</tbody>
</table>

**THOOTHUKUDI COMPLEX**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Capacity (TPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smelter</td>
<td>4,00,000</td>
</tr>
<tr>
<td>Refinery</td>
<td>2,05,000</td>
</tr>
<tr>
<td>Rod Mill</td>
<td>90,000</td>
</tr>
<tr>
<td>Sulphuric Acid</td>
<td>13,00,000</td>
</tr>
<tr>
<td>Phosphoric Acid</td>
<td>2,30,000</td>
</tr>
<tr>
<td>Power</td>
<td>160 MW</td>
</tr>
<tr>
<td>Gypsum</td>
<td>12,00,000</td>
</tr>
<tr>
<td>Ferro Sand</td>
<td>8,00,000</td>
</tr>
</tbody>
</table>
Energy Management

@ Sterlite Copper
**Energy at a Glance**

### Plant wise – Break up

- **SMLT**: 46%
- **Refrinery**: 21%
- **PAP**: 10%
- **SAP**: 11%
- **ACP**: 2%
- **CCR**: 10%

### Energy wise – Break up

- **Power**: 60%
- **FO**: 17%
- **Petcoke**: 17%
- **Steam**: 2%
- **HSD**: 0.1%
- **LPG**: 3.8%
- **LNG**: 0.1%
Specific Energy Consumption (SEC)

UOM: GJ/MT of Cathode

Projected

Note: SEC Values are inclusive of all Units in Sterlite Copper Business
Benchmarking - Global Copper Smelters

GJ/MT of Anode

*(Source: Brook Hunt 2015)*
Strategy to Attain Benchmarking SEC

GJ/MT of Anode

<table>
<thead>
<tr>
<th>Activity</th>
<th>GJ/MT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual Specific</td>
<td>5.19</td>
</tr>
<tr>
<td>High Tension drives for SAP blowers</td>
<td>4.8</td>
</tr>
<tr>
<td>Target FY 2017-18</td>
<td></td>
</tr>
<tr>
<td>Single compressor operation for Oxygen...</td>
<td></td>
</tr>
<tr>
<td>High Tension drives for FGDS fan</td>
<td></td>
</tr>
<tr>
<td>Condensate recovery from Refinery heat exchangers</td>
<td></td>
</tr>
<tr>
<td>Condensate Water Recovery in O2 plant</td>
<td></td>
</tr>
<tr>
<td>Optimizing the ETP-2&amp;3 operation</td>
<td></td>
</tr>
<tr>
<td>Design Constrain</td>
<td></td>
</tr>
<tr>
<td>Upgradation of PAC-B compressor</td>
<td></td>
</tr>
<tr>
<td>Upgradation of MAC-A Compressor</td>
<td></td>
</tr>
<tr>
<td>Optimizing the Scrubber operation</td>
<td></td>
</tr>
<tr>
<td>Saganoseki</td>
<td>4.07</td>
</tr>
</tbody>
</table>

Way forward
ENERGY, WATER ENVIRONMENT IMPROVEMENT PROJECTS

&

GHG INVENTORISATION
Energy, Water Saving & Environment Projects Implemented

Energy Projects Implemented

<table>
<thead>
<tr>
<th>Year</th>
<th>No of Projects</th>
<th>Total Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>6</td>
<td>108</td>
</tr>
<tr>
<td>2012-2013</td>
<td>6</td>
<td>454</td>
</tr>
<tr>
<td>2013-2014</td>
<td>9</td>
<td>17</td>
</tr>
<tr>
<td>2014-2015</td>
<td>10</td>
<td>89</td>
</tr>
<tr>
<td>2015-2016</td>
<td>8</td>
<td>55</td>
</tr>
<tr>
<td>2016-2017</td>
<td>11</td>
<td>95</td>
</tr>
<tr>
<td>2017-2018</td>
<td>5</td>
<td>70</td>
</tr>
</tbody>
</table>

Water & Environment Projects Implemented

Total Savings Rs.1001 Millions
Total Power Savings 212.6 Million units,
Total Water Saving of 0.19 Million m³
19869 MKCAL and Reduction of 0.19 Millions tons of CO2

Totally 28 Projects were Zero fund investment projects
In line with COP21 meet in Dec 2015 Sterlite copper has taken an Co2 Emission reduction initiative to achieve 20% reduction by 2020 from the year 2012.
Innovative Projects
1. Oxygen Plant TSA Power Optimization

2. Optimization of Pet coke Consumption.

3. Refinery Current Efficiency (CE) Improvement from 97.92% to 98.5%

4. Electric FO Pre-heaters modification to Steam based Heaters

5. Reducing the over all anode rejection rate from 4% to 2%

6. Increasing Cast wheel operation MTBF
Smelter Process Flow Chart

Ware House
Copper Concentrate

Conveying System

Loader

Lance

WHRB

ESP

OXYGEN PLANT

Project Area

SAP

6 Concentrate Bins
7 Flux Bins

Anode Stacking

Twin Caster

6 Concentrate Bins
7 Flux Bins

Anode Furnace
3 Units

Converters
4 Units

Granulation
To Discard

Granulation
To Discard

SCF - 2 Units

Anodes to Refinery

Anode to Refinery

Copper Concentrate

Twin Caster

Anode Stacking

Conveying System

Ware House
Copper Concentrate

Loader

Lance

WHRB

ESP

OXYGEN PLANT

Project Area

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6 Concentrate Bins
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6 Concentrate Bins
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Anode Furnace
3 Units

Converters
4 Units

Granulation
To Discard

Granulation
To Discard

SCF - 2 Units

Anodes to Refinery

Copper Concentrate
Oxygen Plant in Sterlite Copper uses the Gas Separation System through Temperature Swing Adsorption (TSA) technique. The atmospheric air is passed to adsorbent with high Nitrogen affinity at lower temperature for a specified period to adsorb Nitrogen in air. Pure Oxygen is received through the Gas separation column for further processing. At a certain point the adsorbent is saturated and regeneration by desorption is required. For this the temperature is raised to 240 °C to desorb the adsorbed components, the set point has been optimized to 200 °C which is sufficient for the process.
Tangible Benefits

PARAMETERS

Cost Impact

GHG Emission

Power

SAVINGS

Rs.12.88 Lacs/Annum

238MT / Annum

800units/day

Zero fund Investment
1. Oxygen Plant TSA Power Optimization

2. Optimization of Pet coke Consumption.

3. Refinery Current Efficiency (CE) Improvement from 97.92% to 98.5%

4. Electric FO Pre-heaters modification to Steam based Heaters

5. Reducing the over all anode rejection rate from 4% to 2%

6. Increasing Cast wheel operation MTBF
Pet coke is used in ISA smelting furnace in order to increase the energy level in the furnace.

Pet coke is consumed due to two different reasons, primarily to increase the energy level in the blend and also consumed when the high volume of reverts treated in furnace.

Revert is a material, formed due to solidification of liquid Matte/Blister during its transfer.

Before this project revert generation was 280MT/day after implementation it reduced to 180MT/day.
**Benefits Realization**

- **41450**: Unit of Power Saving
- **1394**: 1394 Tons of Pet coke consumption reduction
- **3832.8**: Co2e: Reduction of 3832.80T

- Net Saving Rs 10.33 Millions P.A
- Zero fund Investment
1. Oxygen Plant TSA Power Optimization

2. Optimization of Pet coke Consumption.

3. Refinery Current Efficiency (CE) Improvement from 97.92% to 98.5%

4. Electric FO Pre-heaters modification to Steam based Heaters

5. Reducing the over all anode rejection rate from 4% to 2%

6. Increasing Cast wheel operation MTBF
Refinery Process Flow

Heat Exchangers

Polishing Filter

Circulation Pump

Head Tank

Reagent Dosing Tank

Optimized glue (110→80gpl)

35 kA

Electro refining Cell

Smooth Deposit

Less Resistance!! Lesser Power!!!!

Circulation Tank

Decant Tank

Cu Anodes + SS Plate Cathodes +

Current 35kA

Electro-refining : Cu Deposit

Electrolyte Circulation System
Electro-refining of Copper (Cu) from 99.7% Cu anode to 99.99% Cu cathode is driven through Electrolysis reaction by using DC power through rectifiers. The ratio of actual copper deposit obtained as product to the theoretical deposit calculated as per Faraday’s law is measured as a Key indicator of process called Current Efficiency (CE%). Physical characteristics of electrode and chemical characteristics of anode and circulation electrolyte temperature & impurities (soluble & insoluble) are factors affecting CE. Continuous Improvement project taken by Refinery team to increase the CE from current level of 97.92% to 98.5% and achieved by correction of verticality of SS Cathode plates, Anode verticality control through anode lug mill angle correction, introduction of verticality measurement tools and electrolyte insoluble impurity control by 100% decant volume filtration in circulation.
Benefits Realization

Extra cathode production
- Due to increase in Current efficiency by 0.4% 600 MT of cathode will be produced per annum - Rs 38.56 lacs/annum

Power cost
- Reduction in power due to reduction in Power consumption (60000 units/Year) - Rs 2.8 lacs/annum

Overall savings
- Overall savings – Rs 41.36 Lakhs/annum

Zero fund Investment
MONITORING & REPORTING SYSTEM
MIS reporting (Area wise) for energy & water consumption for the whole plant

Review on projects related to reduction in specific energy & water consumption

Variance analysis with respect to budgeted quantity

Monthly review on specific energy & Water consumption

Effective monitoring of pipe line assets through SAP R/3 Linear asset management.
Real Time Data Tracking-MII

**ENERGY TRACKING**

**POWER TRACKING**

<table>
<thead>
<tr>
<th>SOURCES in MW</th>
<th>LOADS in MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>TNEB</td>
<td>SMELTER</td>
</tr>
<tr>
<td></td>
<td>12.09</td>
</tr>
<tr>
<td>CPP-1</td>
<td>PRIMARY</td>
</tr>
<tr>
<td>0.11</td>
<td>4.55</td>
</tr>
<tr>
<td>CPP-2</td>
<td>SECONDARY</td>
</tr>
<tr>
<td>0</td>
<td>7.54</td>
</tr>
<tr>
<td>STG</td>
<td>UTY</td>
</tr>
<tr>
<td>0</td>
<td>19.44</td>
</tr>
<tr>
<td>TPP</td>
<td>SAP</td>
</tr>
<tr>
<td>60.96</td>
<td>10.82</td>
</tr>
<tr>
<td>TOTAL</td>
<td>PAP</td>
</tr>
<tr>
<td>61.07</td>
<td>4.4</td>
</tr>
<tr>
<td></td>
<td>REFINERY</td>
</tr>
<tr>
<td></td>
<td>11.02</td>
</tr>
<tr>
<td></td>
<td>CCR</td>
</tr>
<tr>
<td></td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
</tr>
<tr>
<td></td>
<td>57.77</td>
</tr>
</tbody>
</table>
ENERGY MANAGEMENT SYSTEM

- Analyze past energy use and consumption
- Identify areas of significant energy use
- Setting energy baseline
- Identify objectives, targets and action plan

ENERGY MANAGER

- Corrective and Preventive Actions
- Competence and training
- Communication
- Operational control and design

SMELTER EC
SAP & PAP EC
PURCHASE & Finance EC
REFINERY EC
CCR EC
PMB EC
ELECTRICAL EC
MECHANICAL EC

EC – Energy Coordinator

- Monitoring, measurement and analysis
- Regular internal audits
- Raising non conformities
ENERGY AND CARBON POLICY

Sterlite Copper acknowledges the global concern on climate change and recognizes that concerted and sustained global action is required to reduce the scale of the problem and to adopt to its impacts. Vedanta is committed to this effort through its own progressive energy and carbon programme that forms an integral part of our vision for sustainable development and is consistent with our overall business vision and mission.

Sterlite Copper strives to:

- adopt and maintain global best practices on carbon and energy management to minimise greenhouse gas emissions throughout our operations. We will continue to measure our direct energy usage and carbon emissions, and maintain our year-on-year efforts to reduce energy consumption across our operations. We will define and publish energy and carbon reduction targets, maximising the benefits of process improvements and technology advances.
- comply with applicable legal and other requirements
- procure energy efficient products and services, and design for energy performance improvement
- extend our approach to reporting carbon emissions by reporting our emissions in compliance with the internationally recognised protocols and working closely with our value chain to reduce energy consumption and carbon intensity.
- foster research and innovative techniques within our operations leading to optimal utilisation of resources with continuous focus on minimising energy consumption in all our operations. We will seek to use our leading position within the geographies that we operate to act as an advocate of effective energy and carbon emissions management.
- invest in clean energy and maximise benefits from energy from waste recovery.
- provide for adaptation and future-proofing of our facilities.
- communicate our approach and achievements actively to stakeholders, and work closely with policy-makers to encourage effective and equitable abatement policies within our sectors of operation.
- consider carbon emissions for our project and R&D investments in line with our parent company, Vedanta’s sustainable development commitments.
- work with our staff, supply chain, wider communities and other stakeholders to demonstrate our commitment to greenhouse gas emission reduction principles and practices.

Sterlite shall sign up to this policy which shall be implemented throughout the business. We will measure and report progress against this policy and review performance on a periodic basis.

Rev. No.: 01
Date: 16.04.2012
P. Ramath
Chief Executive Officer

ENERGY AND CARBON POLICY:
POINTS TO PONDER

Sterlite Copper strives to:

- adopt and maintain global best practices on carbon and energy management to minimise greenhouse gas emissions.
- comply with applicable legal and other requirements
- procure energy efficient products and services, and design for energy performance improvement
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Water Management Policy

At Sterlite Copper, we realise the societal, economic and environmental value of water and the increasing global concern of water scarcity. We understand that water is a key resource and needs to be used responsibly, balancing the needs of many different uses.

Sterlite Copper strategies to:

- understand our water footprint at all our projects and operations, and will maintain a water balance that minimises the amount of freshwater consumed by re-using as much water as possible in our processes and encouraging rainwater harvesting where we can.
- comply with applicable national, regional and local regulations and legal obligations.
- identify water conservation projects through reduction, recycling and reuse and monitor progress against water consumption reduction targets across our business.
- We will avoid pollution of surface water, ground water and other water resources arising from our operations.
- maintain a zero discharge philosophy.
- treat all wastewater to international best practice standards before recycling to the process through the application of best available techniques (BAT) where possible and we will ensure that water/wastewater storage facilities are engineered and maintained.
- participate in local or regional water catchment planning activities to secure sustainable water resources for Sterlite copper operations and the activities of other users outside of the organisation.
- determine baselines and develop ongoing monitoring of water quality.
- work with communities and communicate with all our stakeholders on the progress and performance of water conservation and water management.

Sterlite shall sign up to this policy which shall be implemented throughout the business. We will measure and report progress against this policy and review performance on a periodic basis to ensure ongoing management of water resources. The content and implementation of this policy will be reviewed periodically and actions taken accordingly.

Signed by:

P. Ramath
CFO
Date: 03/04/12
Waste Utilization and Renewable Energy Usage
# Waste Utilization & Management

## Hazardous waste

<table>
<thead>
<tr>
<th>Type</th>
<th>Method of Disposal / Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETP cake</td>
<td>Stored in Secured Landfill Facility</td>
</tr>
<tr>
<td>Scrubber Cake</td>
<td></td>
</tr>
<tr>
<td>Spent Catalyst</td>
<td></td>
</tr>
<tr>
<td>ESP / Gas Cooler / WHRB Dust</td>
<td>Recycled by Pneumatic dust conveyor in Smelter</td>
</tr>
<tr>
<td>Spent Oil</td>
<td></td>
</tr>
<tr>
<td>Oil Sludge</td>
<td>Sold to CPCB registered recyclers</td>
</tr>
<tr>
<td>Copper Scrap with copper sulphate</td>
<td></td>
</tr>
</tbody>
</table>

## Non- Hazardous Waste

<table>
<thead>
<tr>
<th>Type</th>
<th>Method of Disposal/Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Slag</td>
<td>Land filling application / Cement / Concrete / Abrasive / Road building / alternative to river sand</td>
</tr>
<tr>
<td>Gypsum</td>
<td>Sale to Cement Industry for cement manufacturing / fertilizers and bricks, Gypsum boards in construction industry</td>
</tr>
<tr>
<td>Lime grit</td>
<td>Sale to detergent industries</td>
</tr>
<tr>
<td>Garbage</td>
<td>Organic Convertor/Recyclers</td>
</tr>
</tbody>
</table>
Sterlite Copper is using the Solar PV for Lighting systems of 4000 units/Year.

Sterlite Copper Purchased 13092 Solar & 30486 non Solar REC certificates as per RPO/SPO purchase obligation.

Planned to Set up a Floating Solar Power Plant on the water reservoir capacity of 1 MW in this current year & 40MWp Solar plant in the 300 acres within the year of 2020.

Waste Heat generated out of process has been recovered with WHRB to generate steam which has been utilized for process heating & to generate power. Last four years 531.76 lacs units has been generated.
Sustainability & Green Supply Chain Management @ Vedanta
Sustainability Framework Model

**Economic**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Socio-Economic**
- Jobs Creation
- Skills Enhancement
- Social investments
- Security
- Business Ethics

**Socio-Environment**
- Diversity
- Human Rights
- Community Relations
- Indigenous people
- Cultural heritage
- Labor Relations

**Environment**
- Sustainability
- Clean Air, Water & Land
- Emissions Reduction
- Zero Waste
- Biodiversity

**Eco-efficiency**
- Resource Efficiency
- Product Stewardship
- Life cycle management
- Reduced carbon/Environmental footprint

**Safety & Health**
- Environmental Regulations
- Global Climate Change
- Access to potable water
- Crisis Management
- Environmental Justice

**Innovation**
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Capital Efficiency**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Risk Management**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Management**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Growth Enhancement**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Shareholder**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Returns**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Jobs Creation**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Skills Enhancement**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Social investments**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Security**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Business Ethics**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Diversity**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Human Rights**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Community Relations**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Indigenous people**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Cultural heritage**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns

**Labor Relations**
- Innovation
- Capital Efficiency, Risk Management
- Margin Management, Growth Enhancement
- Shareholder returns
Sustainability Criteria for Assessment

- Material risks identification & management
- Stakeholder engagement & Grievance management
- Incident investigation & Corrective, Preventive Action Management
- Code of Conduct, Anti-Bribery and Human Rights
- Contractors Safety Management
- Environmental Management
- Safety Management
- Management of Change
- Community Relations
- Supplier & Vendor Management
- Transportation & Logistics Management
Category: Raw Materials

Opportunities:

- Can initiate Vendor/Supplier certification systems
- Carry out energy audits for energy efficiency & conservation
- Partnership with vendors for energy service contracts.
- Training and development

Category: Spares and Consumables
**Stake Holder Engagement in Energy & Water Efficiency**

**Implementing Projects:**
- Organizing projects on energy and water
- Resourcing skills and numbers
- Result tracking and sustain the KPIs

**Reward & Recognition**
- Building business case and ownership
- Measurement, baseline and KPIs
- Cost tracking
- Benefits tracking and rewarding

**Training & Awareness:**
- Regular training and awareness on sustainable energy & water conservation
- Progress monitoring, reporting & help to improve

**Total 21 Major Projects implemented by Business partners Which Resulted in saving of Rs 145 Lacs**

**Policy:**
- Making policy for energy efficiency product purchase
- Priority to the energy efficient products in the negotiations
- Monitoring and reporting deviation

**Vendor Data Base:**
- Clear and agreed scope on energy policy during vendor registration process
- Dependency energy management

**Sustainable Development:**
- Stakeholders are encouraged toward green energy
- Auditing the vendors & suppliers on sustainable front (>20 vendors audited)
# Green Supply Chain Management

<table>
<thead>
<tr>
<th>Sample Policy Areas That Align with the Global Compact Principles:</th>
<th>Potential Sources to Reference:</th>
</tr>
</thead>
</table>
Planned to set up 10MLD sewage treatment plant by using the sewage from the tuticorin township by 2018.

Exploring the market for selling the Hazardous waste generated from ETP instead of dumping in SLF

Setting up desalination plant with 10MLD capacity for plant process purpose as well as for local communities by 2020.

10% reduction of absolute power & water consumption from current level by this financial year.

20% GHG emission reduction by 2020.
AWARENESS
Employees & Business Partners

- National Energy Conservation week celebration with pledges and awareness program for contract and company staffs.

- Circulating energy conservation related article across the plant through mail.

- Displaying energy conservation posters in desktops.

- Distributed LED lights to employees and local communities.

- Cross word puzzle on energy conservation for the employees.

- Distributed the energy awareness pen to all the employees & contractors.

- Creating awareness through using the common vehicle for transportation.
Best Energy Conservation ideas competition

- Employee’s innovative ideas are posted on line in Kaizen@sterlite database

- Energy Awareness stickers across the plant area

- Energy Awareness Wall painting in the plant premises

Community

- National Energy Conservation day has been celebrated in the nearby villages and awareness session has been given to community people regarding energy conservation.

- Conducted painting competition related to energy conservation for school children in the local community.
LETS GO GREEN

THANK YOU ALL