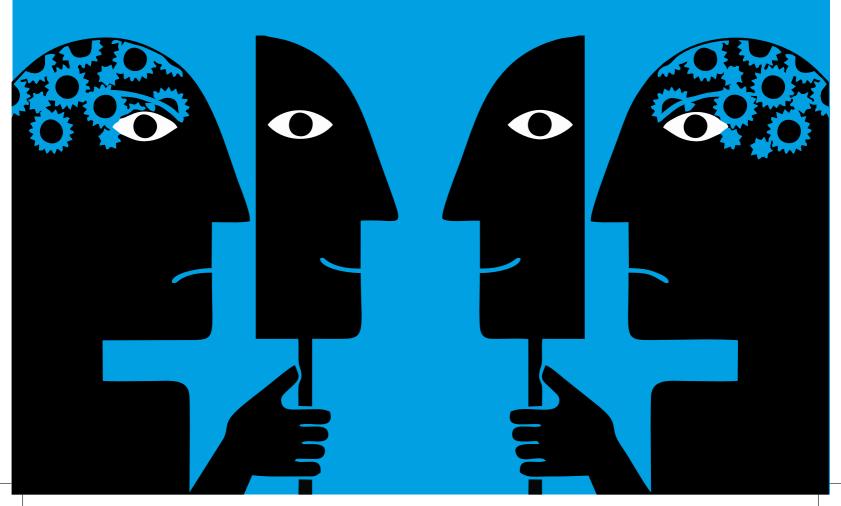
IS STERLITE COPPER REALLY HARMFUL TO SOCIETY AND ECOLOGY?

ICACOMA ILLA ILLA SAYNO TO FAKE NEWS

12 facts that social media has conveniently hidden from the public



Our deepest condolences to all victims of fake news spread maliciously through social media.

We feel your pain because we at Sterlite Copper have undergone a similar experience.

Yes, we are talking about the closure of the Sterlite
Copper factory in Thoothukudi, triggered by
misinformation. Fake news, the menace of our times,
has worked against us and we feel victimized.

Here are twelve facts that counter the fake news and misinformation spread by mischievous elements that are intent in pulling down not just industries but also our economy, the very lifeline of our Nation!

Evidence of Report regarding Cancer: 1.Health Report, Department of Health, Tamil Nadu 2. Policy Disclosure Note, 2017





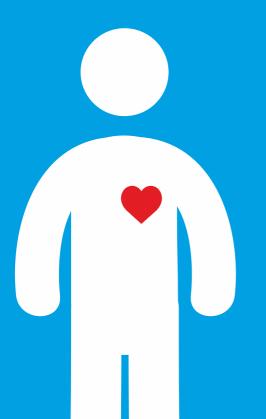


Thoothukudi ranks first in cancer and Sterlite is the main cause



THE TRUTH

Cancer prevalence in Thoothukudi is among the lowest in Tamil Nadu. Our employees are further living proof that our operations do not cause cancer





Cancer prevalence in Thoothukudi is much below the state average



It is baseless and unscientific to link Sterlite's operations with Cancer



The International **Agency for** Research on Cancer (IARC) has not classified sulfur dioxide as a human carcinogen

Useful Information

As per the Crude Incidence Rate (CIR) on cancer published by Department of Health, Government of Tamilnadu in the year 2014, Thoothukudi ranks 14 among male and ranks 25 among female out of 32 districts in Tamilnadu. Chennai, Kanchipuram, Coimbatore, Kanyakumari, Tiruvallur, Cuddalur are the top six districts predominant with cancer cases. This is also proved in the recent Policy Disclosure Note -2017, released by the Health Department, Government of Tamilnadu.



For more information scan or visit: https://sterlitecopper.com/know-the-truth/



Sterlite lets its effluents enter the ocean which affects the marine life

The treated water is recycled back into

operations, and there is

no discharge of any

water to the sea; this

has been endorsed by

competent authorities

✓ THE TRUTH

Our operations do not impact marine life

Sterlite Copper has been a Zero Liquid Discharge plant since the inception of the plant in 1995

All wastewater is treated in Effluent Treatment Plant followed by **Reverse Osmosis** Plant.

Useful Information

The Zero Discharge nature of our operations has been endorsed by the NEERI Committee in 2011. The committee visited the plant to confirm the Zero Liquid Discharge nature of our operations.

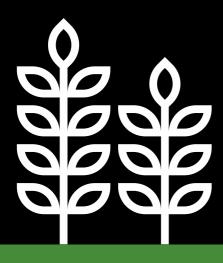
Further, a bio-diversity study conducted in the 10 km radius of Sterlite Copper, Thoothukudi by Forest Research Institute, Dehradun has also confirmed that our operations do not have an impact on the local marine life. We use state of the art technologies like GE, Thermax, AquaTech for treating water.

This allegation has been adequately handled and deliberated in depth by the Honorable Supreme Court, and a clear verdict was pronounced way back in 2013, putting all these allegations to rest.

Evidence: Biodiversity Report Last page NEERI report page on Zero Discharge









Sterlite Copper has not developed sufficient greenbelt as per legal requirement



THE TRUTH

A visit to our facility is enough to convince anyone that this is a false claim

As per the Tamil **Nadu Pollution Control Board** consent condition, 2013, Sterlite was supposed to develop 43 Ha of greenbelt in and around the plant.

The operations have developed not just 43 Ha of greenbelt it has planted an additional 13 Ha of greenbelt in our township, which is located in close proximity to the plant.

Useful Information

The presence of sufficient greenbelt at Sterlite Copper has been verified by NEERI and Tamil Nadu Pollution Control Board.

Evidence: NEERI report page on greenbelt









Sterlite is located within 25 KM from the Gulf of Mannar, an ecological sensitive National Marine Park.





THE TRUTH

Sterlite Copper is located in SIPCOT industrial complex wherein other red category chemical industries are located.

Sterlite Copper is just one among over 300 industries operating in Thoothukudi.

Useful Information

The Gulf of Mannar is not yet notified as National Marine Park as per the Environmental Protection Act or as per the Wildlife Protection Act. It was only intended to declare as National Marine Park, but till date, it is not notified.

The current EIA rules, 2006 stipulate a distance of 10 Km from eco-sensitive areas, which is reduced from 25 Km stated previously.

Evidence: EIA notification 2006 - reference page of biodiversity







Sterlite Copper has not provided employment for the local community.

OUR COMMUNITY SERVICE PROJECTS



11 Child care centers benefitting 346 children



86 school units benefitting 8040 girl children



Health care services in 33 villages benefitting 1,50,000 people



Vocational training for 400 youth in three major vocations



Women empowerment projects (Self Help Group, Creating credit linkages) benefitting 19,000 women



THE TRUTH

70% of our employees are from Tamilnadu



Useful Information

Sterlite Copper has been providing various Community Services to the people of Thoothukudi that touch & transform the lives of nearly 2.5 lakh people. This is over and above the employment to local community.

We use state of the art technology, follow industry best safety measures committed for the welfare, development and pride of Thoothukudi, in our endeavour to raise the economic growth of our nation.







The groundwater is polluted due to Sterlite Operation.



THE TRUTH

Solid wastes from effluent treatment plants are disposed in a Secured Land Fill designed as per Central Pollution Control Board guidelines.

High volume low effect wastes categorized as per Hazardous Wastes Rules 2016 are utilized for sustainable applications which include cement, road construction, shot blasting applications etc.

The slag is tested for its non-leachable, non-toxic characteristics from reputed Government institutes of the country and accordingly put to use for sustainable applications such as land filling, road construction, use in the cement industry, and sand-blasting. Byproducts like slag and gypsum are supporting downstream industries.



Pollution database of Tamil Nadu ranks Thoothukudi (8% contamination) at 23rd place in the state as against the Dharmapuri district (88% contamination) with regard to groundwater contamination in Tamil Nadu. This allegation has been further adequately handled and deliberated in depth by the Honorable Supreme Court, and a clear verdict stating that Sterlite Copper is not contaminating the groundwater has been pronounced in 2013.

- The water samples from the piezometric bore-wells / dug wells are collected monthly from the plant premises and nearby villages by Tamilnadu Pollution Control Board.
- The samples do not reveal the presence of these marker pollutants viz-a-viz copper, zinc and arsenic. It can thus be concluded that Sterlite's operation is not polluting the groundwater.
- This has also been confirmed in NEERI's report, "Inspection of M/s Sterlite Industries (India) Ltd - Assessment of Environmental Pollution Status" in 2011, which was submitted to the Honorable Supreme Court of India.





Evidence: NEERI's report on ground water analysis. | Pollution data base of tamilnadu environment report





Rainfall is drastically reduced because of Sterlite.



THE TRUTH

Rainfall has actually increased by 32% after the commencement of Sterlite operations.

On 14th March 2018, Thoothukudi recorded its highest ever rainfall in the last 63 years.



Annual average rainfall after the commencement of Sterlite operations was 749 mm (1997 to 2015), which shows an increase of 32% rainfall.



Based on the rainfall data received from the National Meteorological Department, Chennai the annual average rainfall before the commencement of Sterlite operations was 569 mm (from 1990 to 1996)



Evidence: Indian Meteorological Dept. Rainfall Data





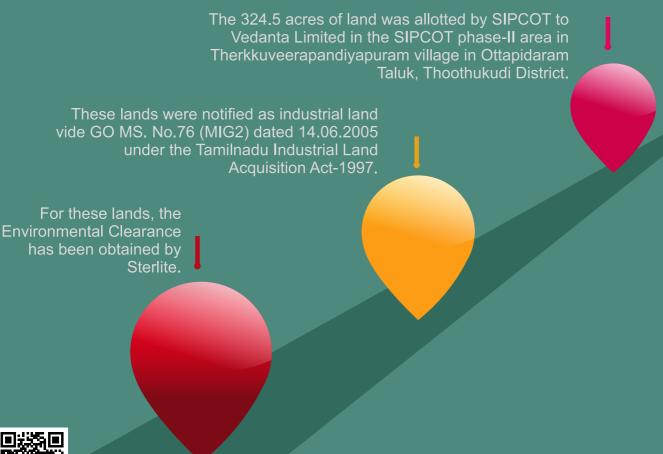
The Copper Smelter Plant-2 is not located in SIPCOT





THE TRUTH

SIPCOT has allotted 324.5 acres of land to Vedanta Limited







Sterlite is the cause of high Sulfur dioxide (SO2) levels in Thoothukudi.





THE TRUTH

Sterlite Copper's SO2
emissions are
within the prescribed norms,
constituting only 1%
of the total industry-based
emissions in Thoothukudi

Coal-based thermal Power plants are the biggest source of SO2 emissions in Thoothukudi The level of SO2 recorded in Cuddalore District is the highest in the state. There are multiple sources of SO2 pollution in Thoothukudi.

SO2 emission levels in Thoothukudi have remained the same even post Sterlite Copper's plant closure





Copper Slag is dumped in the surrounding villages, which is polluting the environment.



THE TRUTH

100% of the copper slag is put to use for sustainable applications

Useful Information

During Copper smelting operations, the copper concentrate is smelted at 1200 Deg C, and the iron content in the copper ore is separated out in the form of granulated iron silicate. At this very high temperature, all the organic and inorganic compounds get mineralized and produce a solid mass which is highly stable. The slag is tested for its non-leachable and non-toxic characteristics from reputed Government institutes of the country and accordingly put to use for sustainable applications. It is a BIS approved product for construction. By-products like slag and gypsum are supporting downstream industries.

We also conducted various technical studies through premier research institutions of India such as M/s National Metallurgical Labs (NML), Chennai; M/s Indian Toxicology Research Centre (ITRC), Lucknow; M/s National Council for Cement & Building Materials (NCCBM), Haryana; and M/s Central Road Research Institute (CRRI), New Delhi. All the studies have concluded positive results for Ferro Sand, declaring it as a highly stable material, non-toxic in nature, possessing good properties as raw material for cement manufacturing and road construction.

After submission of the technical study reports on copper slag, the Central Pollution Control Board has declared Ferro Sand (or Copper Slag) as non-hazardous. It can be used for cement manufacturing, filling up of low lying area and road construction. MoEF also has declared Ferro Sand as non-hazardous through "Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008, Notification on 24.09.2008" and terms it as "high volume low effect waste."

In consideration to the technical studies, Bureau of Indian Standards approved the use of this copper slag as a replacement to natural fine aggregates up to 50% in cement concrete and upto 5% in cement manufacturing. This is a clear example of sustainable use of industrial waste and protects the environment by avoiding the use of natural mineral such as river sand.

BIS approved product for Construction | Application for Kerala national highway project | Shot blasting | Land filling | River banking | Making paver blocks

Evidence: BIS IS 269 & IS 383

All the copper slag is put to use for sustainable applications such as land filling, road construction, use in the cement industry, and sand-blasting.

Since the beginning we at Sterile copper have nurtured the environment by following the highest standards of sustainable development practices.







There are many industrial accidents at Sterlite due to which many are injured.

World class
Occupational
Health Center
conducts regular
medical check-up
and also does
basic treatment.

The LTIFR of Sterlite is 0.12 which is at par with international benchmark.

The company
has been accredited
with the "British Sword of
Honour" in December
2017, which is a highly
coveted award in the field
of safety and this was
awarded after a British
team carried out
extensive audits
across the facility



THE TRUTH

The actual "Lost Time Injury Frequency Rate" (LTIFR) is 0.12

Useful Information

The safety performance of the company has improved over a period of time and has reached a stage where the records and practices are at par with international smelters. The company follows the national standards and the International Finance Corporation (IFC) standards & International Council of Mining & Metals (ICMM) principles. The Lost Time Injury Frequency Rate (LTIFR) is the normal index being monitored across global metal and mining companies which is nothing but the number of lost time injuries for every million manhours worked. The LTIFR of Sterlite is 0.12, which is at par with international benchmark. The company has global experts working on the company safety. All employees and visitors are provided with standard PPEs for personal protection and safety

However, when injuries occur within the plant premises, it causes us to re-examine our systems and take steps to improve on any gaps that may have led to the accidents. To those injured, we provided medical assistance, paid-time-off, and any other support that they may require to fully recover and get back to work. In case of the unfortunate event of a fatality, we provide full financial assistance to the families of the deceased, ensuring that they are able to continue to remain financially secure.





Sterlite Copper draws water directly from Tamirabharani affecting agriculture and domestic consumption.



THE TRUTH

70% of Sterlite Copper's water requirement is met through desalinated sea water

NATIONAL AWARD FOR EXCELLENCE IN WATER MANAGEMENT 2017 STERLITE COPPER



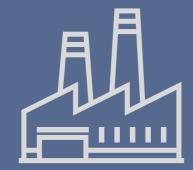
Confederation of Indian Industry



Water supplied for industrial purposes is only drawn from towards the end of the river's flow, at a point just before it enters the sea. This ensures that water requirements for agriculture, domestic and drinking is always given first priority. There is zero liquid discharge and 100% water recycling facility to reduce freshwater intake. Water conservation is a key priority of Sterlite Copper. Various initiatives like Rainwater Harvesting and setting up Reverse Osmosis plants have yielded excellent results. For the expansion project, Sterlite Copper will only be using desalinated seawater and water from treated sewage.

- Sterlite Copper consumes only 19% of the water supplied to industries in Thoothukudi.
 - 70% of Sterlite Copper's water requirement is met through desalinated sea water.





https://sterlitecopper.com/know-the-truth/

The following facts highlight the many ways in which Sterlite Copper has boosted the socio-economic development of Thoothukudi, generating employment and contributing to nation-building:

Key facts about Sterlite Copper:

- The world's 7th largest copper producer
- · 7th largest smelter capacity in the world
- Contributes to 36% of India's refined copper output
- 5th largest company in Tamil Nadu contributes 3% of TN's GDP
- Provides direct employment to 3,500 employees and indirect employment to 20,000 people
- Among the first copper smelters globally to implement Zero Liquid Discharge
- Recipient of British Safety Council's prestigious Safety Award for Best Safety Practices
- A Zero Liquid Discharge smelter since commencing operations, investing approx \$80 million in environmental measures
- Numerous downstream industries thrive on easy access to raw materials supplied by Sterlite Copper; it is the single largest producer of Sulphuric & Phosphoric acid in South India

Sterlite Copper is a key raw material supplier to various industries such as Fertilizer & Chemical Manufacturing Plants in South India

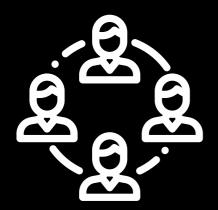
PHOSPHORIC ACID - 230 KTPA

 Only Indian commercial producer of Phosphoric Acid a key raw material for the Indian Fertilizer Industry which helps save valuable foreign exchange to the tune of \$ 120 million per annum

SULPHURIC ACID - 1200 KTPA

- Largest supplier in Southern India
 An essential raw material for fertilizer and detergent manufacturers, chemical industries
- PHOSPO GYPSUM 1000 KTP
- Supplies to 30 cement manufacturing units located in Tamil Nadu, Andhra Pradesh and Karnataka





Sterlite Copper's Community Outreach Services

that touch & transform the lives of 2.5 lakh people in Thoothukudi

KHUSHI - 11 centers, 346 children

Khushi child care centers operating in Thoothukudi benefitting children between 3 and 6 years

HEALTH - 33 locations, 150000 people

Primary and secondary health care covering 33 villages per month

ILAM MOTTUKAL - 86 schools, 8040 girl children

Ensuring quality education to girl children

TAMIRA MUTHUKKAL - 5 Trades, 400 youth

Vocational training for youth in five trades namely Sewing Machine Operation, Data/Tally Operation, Electrician, Welding and Fork-lift Operations.

SAKHI - Thoothukudi, 19000 women

Women empowerment projects – Self Help Group, Creating credit linkages etc.

EMPLOYEE VOLUNTEERISM Thoothukudi, 5000 people

Blood donation camps, Infra facilities to Govt. and aided schools etc.

SOCIAL INFRASTRUCTURE

Sterlite Copper contributed towards building the following projects:

- Development of the Pediatric Block at the Thoothukudi Government Hospital
- Construction of Melur Railway Station which benefits 3.5 lakhs commuters annually

THE VEDANTA GROUP IS:

India's largest custom copper smelter/ cathode producer

India's largest private sector crude oil producer India's largest and world's second largest zinc miner

One of the largest silver producers in the world

India's largest aluminum producer

India's largest private sector iron ore producer One of India's leading power producers with a built-up capacity of 9000 MW



POST THE CLOSURE OF STERLITE COPPER PLANT

- More than 400 businesses, many being from first generation entrepreneurs, marching towards shutdown
- Over 1 Lac employees affected directly and indirectly all over Tamil Nadu
- Over 4 Lac people's livelihood is at stake including employees and beneficiaries
- Over 2 Lac CSR beneficiaries affected directly on healthcare, education, drinking water, sanitation, entrepreneurship
- Sharp increase in Copper and Sulfuric acid prices, will trigger price war and increase imports, burden on Forex
- Loss to the exchequer to the tune of Rs 2000 Cr; 3% of TN state's GDP under threat with Sterlite closing down
- Total turnover of Rs 60,000 Cr affected including Sterlite's own, downstream Copper industries, chemical industries and local businesses

RECENT PRESS REPORTS **POST THE CLOSURE OF STERLITE COPPER PLANT**

Company is victimised for being righteous: Sterlite

Smelter Not A Polluter; Malicious Campaign Is Going On, Says CEO



Sterlite closure: Downstream companies gasp for breath

29 Firms See Direct Impact Of Closure; 150 Face Bleak Future

RIPPLE EFFECT

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Sterlite closure dries up copper, hits EB



ANDP is according to constitute or can scaled the Bought copper from Shertite, P 6

Sterlite not major source for SO2 emissions in Tuticorin

Cheunal: The Turnii Nadu advanced classifier in Tuttoorin.

Coal consults 6.5% - 2.5% of Sulphur which when jurning and Stortius's copying of Stortius copying of the Stortius copying of the

14,000 direct jobs at stake, say industry associations

Ask Minister to reconsider closure of Sterlite plant

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would be lost due to closure
of Servite Copper in Thousand
and Ameria Chemicals—had be represented and commences industry.
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Many Cos on Shaky Ground as Sterlite Closure Snaps Raw Material Supply





Sterlite copper smelter shut down pushes up copper cost

Commodity Turns Dearer By 9% In The Last One Month



The time has come to fight fake news and uphold the truth



For more information scan or visit: https://sterlitecopper.com/know-the-truth/

