

Vedanta Limited – Sterlite Copper, Thoothukudi

Consent Order No: 3547 Dated: 02.11.06 under Water Act, 1974

Sl. No	CONSENT CONDITIONS	COMPLAINCE STATUS
1	The unit shall comply with all the conditions stipulated in the consent orders and renewal consent orders issued for the existing activity.	<ul style="list-style-type: none"> The unit has complied the conditions as prescribed in the earlier consent orders.
2	The unit shall carry out a detailed material, environmental and energy audit through suitable agencies after commencement and stablisation of trial production of 1200 MTPD of copper anode as recommended by the NEERI.	<ul style="list-style-type: none"> Comprehensive material & environment audit conducted for the production of 1200 MTPD through M/s.MECON and the same submitted to Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/28 dated 25.09.2007. M/s. CII Energy audit report has been submitted to the Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/28 dated 25.09.2007.
3	The unit shall carry out a risk assessment study for trial production as recommended by the NEERI	Risk assessment study carried out for the production of 1200 MTPD through M/s.CLRI and the same submitted to Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/28 dated 25.09.2007.
4	The unit shall adhere to the action plan submitted for the disposal of phospho-gypsum so as to liquidate the entire stock in December 2008.	Gypsum are disposed for sustainable applications. Further, the generation to disposal ratio for Gypsum is maintained at 1:1 ratio.
5	The unit shall complete the study with the CRRI for the disposal option of granulated slag	CRRI study was completed and the same has been submitted to the Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/10 dated 10.04.2007. A 0.4 km road stretch of NH45B was constructed using copper slag as embankment material. Approx. 35000 MT of slag has been used in this application.
6	The unit shall evolve suitable action plan for disposal of the granulated slag, considering the expected CRRI study report, already received recommendations of the Highways and Rural Roads Department, NCCB and NML	Granulated Slag is being used in Road applications, Cement, Ready mix concrete, Abrasives and Landfilling applications etc. Slag is identified as a good substitute for river sand.
7	The unit shall obtain clearance from BIS for the utilisation of granulated slag in cement manufacturing.	BIS published specifications for slag utilization in cement and cement concrete applications.

8	The unit shall improve the ETP for the additional pollution load effectively so as to achieve the standards prescribed at all times	The additional installed ETPs are completely automated modern effluent treatment plants using latest technology, which is adequate for the additional pollution load.
9	The unit shall ensure that the caustic soda procured is free from Mercury.	The caustic soda, free of mercury is being procured, as the supplier is using membrane technology.
10	The unit shall adopt water conservation measures and cleaner development mechanisms.	<ul style="list-style-type: none"> • Air Coolers in Sulphuric Acid plant and Captive Power Plant are used in place of conventional water based cooling towers, resulting in reduction of water of approximately 2700 m³/day. • As part of Clean Development Mechanism, waste heat recovery boilers with steam turbine generators are in place, which has been approved by United Nations Framework for Convention of Climate Change (UNFCCC).
11	The unit shall ensure that the adequate rain water catchment ponds are provided in the premises to avoid discharge outside the premises.	We are having rain water harvesting ponds of capacity more than 1 lac m ³ of water and the collected rainwater is recycled back in the process.

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Consent Order No: 3491 Dated: 02.11.06 under Air Act, 1974

Sl. No	CONSENT CONDITIONS	COMPLAINCE STATUS
1	The unit shall comply with all the conditions stipulated in the consent orders and renewal consent orders issued to the existing activity.	The unit has complied the conditions as prescribed in the earlier consent orders.
2	The unit shall carry out a detailed material, environmental and energy audit through suitable agencies after commencement and stablisation of trial production of 1200 MTPD of copper anode as recommended by the NEERI.	<ul style="list-style-type: none">• Comprehensive material & environment audit conducted for the production of 1200 MTPD through M/s.MECON and the same submitted to Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/28 dated 25.09.2007.• M/s. CII Energy audit report has been submitted to the Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/28 dated 25.09.2007.
3	The unit shall carry out a risk assessment study for trail production as recommended by the NEERI.	Risk assessment study carried out for the production of 1200 MTPD through M/s.CLRI and the same submitted to Tamil Nadu Pollution Control Board vide letter no. SIIL/ENV/A103/07/28 dated 25.09.2007.
4	The unit shall improve the APC measures for the additional pollution load effectively so as to achieve the standards prescribed at all times.	There is no additional pollution load envisaged due to debottlenecking project. It could be verified from EIA submitted to Tamil Nadu Pollution Control Board with reference to expansion of plant from 3LTPA to 4LTPA.
5	The unit shall carry out measures to control fugitive emissions after furnishing a detailed study.	After a detailed engineering study carried out through the world renowned technology supplier, hood arrangements have been made at (i) smelter lance (ii) smelter feed port, (iii) Rotary holding furnace-slag granulation and (iv) Matte tapping areas and the collected fugitive emissions are passed through the flue gas desulphurization system (FGDS) consisting of bag filter and scrubber, for effective control of fugitive emission.
6	The unit shall carry out the recommendations of the on-going health study so as to avert any impact on the public	Health Study by Tirunelveli Medical College through Department of Preventive Health, Tamilnadu Government has completed. The same submitted to Tamil Nadu Pollution Control Board vide our letter SIIL/ENV/A103/08/35 dated 12.11.08