

General Transportation Guidelines

Introduction:

Sterlite Copper (SC), a Unit of Vedanta Limited, is one of the leading copper producers in India. Sterlite Copper has factories at Thoothukudi in Tamil Nadu & Silvassa in the Union Territory of Dadra & Nagar Haveli. Sterlite Copper has already got ISO 14001:2004, OSHAS 18001:2007 and ISO 9001:2008 & ISO 55001:2014 Certification.

The purpose of this manual is to provide information and Transportation guidelines to Service Providers from various categories to be followed in their day-today operations. The manual contains several chapters each containing several items as guidelines for safe operation in the different category of transportation. Service Providers are advised to follow the relevant guidelines according to their contractual obligations.

General Guidelines:

This is applicable to all the Service Providers.

- 1) Vehicles should meet all RTO requirements.
- 2) Vehicles will be loaded to their Registered Laden Weight (RLW) as approved by RTO/Transport Commissioner.
- 3) Vehicle shall be equipped with GPS facility before commencement of the trip and detailed tracking facility shall be made available till the trip completed in full.
- 4) Vehicles shall be road-worthy and carrier worthy condition manned by necessary and competent personnel.
- 5) Vehicles should pose a valid Fitness Certificate issued by competent authorities for transportation of Goods/cargo.
- 6) Vehicles should have the safety fitments such as hand brake, indicator lamps, reverse horn system, radium tapes at 4 corners, horns etc and have adequate towing arrangements. Vehicle should poses the valid Pollution Under Control certificate.
- 7) Drivers of the vehicle should carry the valid driving license at the time of driving the vehicle.
- 8) Driver should follow the Traffic Rules and Regulations according to The Motor Vehicle Act, 1988 & The Central Motor vehicle Rules, 1989.
- 9) Driver & Cleaner should put seat belt while driving. Wearing Seat Belt is for the safety of the driver & cleaner.
- 10) Vehicle and driver should have valid Insurance coverage throughout the contractual period.
- 11) Driver should follow the safety rules of Sterlite Copper while inside the plant premises. (Annexure- I). The appropriate PPE's list is being attached in Annexure -IA
- 12) Driver should follow the safe permissible speed for vehicle movement as specified by RTO, Central Motor Vehicles Rules, and within consignor/consignee plant premises and truck parking areas.
- 13) The Service Provider should produce a certificate from the Regional Transport Authority for carrying out transport operation in the respective States where the goods are being transported through him.

I. Guidelines for Bulk Goods Transportation by Road:

These guidelines are applicable to the Service Providers who is carrying Copper Concentrate, Rock Phosphate and Coal via Road over and above the General Guidelines.

a) Inside the Plant

1. Speed limit inside the plant premises should not be beyond 20 KMPH. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
2. Parking of trucks to be done only at specified areas inside the plant premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
3. Smoking is prohibited inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
4. Drivers should not drive in drunken condition. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action .Again the same vehicle repeated the violation will be blacklisted permanently. in the system and will not be permitted for further operations.
5. Drivers are not allowed to sleep in the trucks inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. .Again the same vehicle repeated the violation will be blacklisted permanently.
6. Usage of mobile phones while driving is prohibited. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. ,Again the same vehicle repeated the violation will be blacklisted permanently
7. Drivers should make both Gross weight and Tare weight in the same weighbridge as prescribed by SC.
8. Vehicle should have a updated tracking mechanism set up.
9. Truck driver name / contact details to be maintained by the Service Provider. Any change of driver during the Trip need to be intimated to service recipient in writing.
10. Drivers back ground to be verified by the Service Provider, before placement of trucks.
11. Service Provider shall ensure that the vehicle intended for loading, shall have all valid documents in copy. (RC, Insurance ,FC permit, PUC certificate etc)
12. All the documents related to Truck, Driver and Trip shall be maintained by the Service Provider atleast for 3 months from the date of trip completion. The same shall be provided to Sterlite Copper in case of requirement.

13. In case of any breakdown inside the plant, the same needs to be reported immediately to SC Logistics person who sitting at Weighbridge No: 1 by the Service Provider's Supervisor on round the clock basis. Contact No: 0461- 424 2072/ 0461-424 2209

b) Outside the plant:

1. Vehicle should make Tare and Gross weight at External Weighbridge (Copper Concentrate & Rock Phosphate) as directed by Sterlite Copper
2. All trucks to be covered properly with good Tarpaulin.
3. Any truck found without tarpaulin would be penalized with Rs.5000.
4. PVC seal which affixed at Port should not be tampered / damaged. In case of any vehicle reported without PVC seal, the vehicle will be hold. It will be unloaded only after the completion of sample analysis. Also will impose penalty of Rs. 5000/ incident after the complete investigation.
5. Any issue arises related to Sales tax / RTO or other government authorities during the trip or even after trip completion, has to be managed by the Service Provider.
6. The Service Provider has to ensure that the drivers are not tampering the tracking facility. In case of any maintenance is planned, intimation should be given in writing well in advance. In case without intimation tracking system is tampered during maintenance, the cost of repairing / reviving is on Service Provider's account.
7. In case of any Road Accident, the same needs to be reported immediately through phone /e-mail by the Service Provider / driver to the service provider as well as Sterlite Copper. In case the truck is not able to move within 24 hours' time, material needs to be transshipped to another truck with due written approval from Sterlite Copper after submitting proper photograph along with the request. All the cost involved in vehicle transshipment & material risk shall be on Service Provider's account.
8. Vehicle should be switched off at tarpaulin removal station & sampling point.
9. If the Service Provider willing to place a supervisor in order to monitor the movement then supervisor should possess a valid ESI, PF and a valid entry pass after due completion of Safety Training and medical checkup. Supervisor should adhere to the rules and regulations of the company while working inside the plant. Supervisor should preferably in uniform.
10. The Service Providers are requested to utilize the company's training facility as when called for. The Service Provider should ensure that the proper records are maintained with respect to training. He should ensure that the drivers engaged for transportation should complete atleast one training in a year.

II. Guidelines for Finished Goods Transportation by Road:

These guidelines are applicable to the Service Providers who is carrying Copper Anodes, Copper Cathode, Copper Coils, Liberator Cathodes, Cut Liberator Cathodes, Cut Cathodes and Cast Bars via Road over and above the General Guidelines.

a) Inside the Plant

1. Speed limit inside the plant premises should not be beyond 20 KMPH. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently
2. Parking of trucks to be done only at specified areas inside the plant premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. .Again the same vehicle repeated the violation will be blacklisted permanently.
3. Smoking is prohibited inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. .Again the same vehicle repeated the violation will be blacklisted permanently.
4. Drivers should not drive in drunken condition. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. .Again the same vehicle repeated the violation will be blacklisted permanently in the system and will not be permitted for further operations.
5. Drivers are not allowed to sleep in the trucks inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. .Again the same vehicle repeated the violation will be blacklisted permanently.
6. Usage of mobile phones while driving is prohibited. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
7. Vehicle should have a updated tracking mechanism set up. (GPS with immobilizer, etc.,) The tracking report to be sent on daily morning by 10 AM. In case of any deviation/findings, the same to be highlighted/reported immediately.
8. Truck driver name / contact details to be maintained by the Service Provider . Any change of driver during the Trip need to be intimated to service recipient in writing.
9. Drivers back ground to be verified by the Service Provider, before placement of trucks.
10. Service Provider shall ensure that the vehicle intended for loading, shall have all valid documents in copy. (RC, Insurance ,FC permit, PUC certificate etc)
11. All the documents related to Truck, Driver and Trip shall be maintained by the Service Provider atleast for 3 months from the date of trip completion. The same shall be provided to Sterlite Copper in case of requirement.

b) Outside the Plant:

1. Night Time (between 8 pm and 5 am) driving is strictly prohibited in the entire route for long distance.
2. For long distance movement, the Service Provider has to ensure that the driver along with the truck has to report to call center..

3. Any truck found driving at night would be penalized with Rs.2000 per incident for the first time & would not be engaged by Sterlite Copper if the same is repeated for the 2nd time.
4. All trucks to be covered properly with Tarpaulin.
5. Any truck found without tarpaulin would be penalized with Rs.5000.
6. Any issue arises related to Sales tax / RTO or other government authorities during the trip or even after trip completion, has to be managed by the Service Provider.
7. Service Provider to ensure that all the trucks are moving in a convoy (minimum 3 vehicles within 3 kilometer distance) system.
8. Service Provider to ensure that all the trucks are parked at safer resting points in the enroute during halting for food, maintenance or night stay.
9. The security and safety of the consignment will be Service Provider's responsibility throughout the process till the material is delivered in right quantity & quality safely at the port / mentioned destination.
10. In case, the containers shall be taken to CFS, the Service Provider should ensure that the seal verification and examination are done at the earliest. Any change of seal, to be intimated to SC-SC immediately.
11. Service Provider to ensure that the drivers are not tampering the tracking facility. In case of any maintenance is planned, intimation should be given in writing well in advance. In case without intimation tracking system is tampered during maintenance, the cost of repairing / reviving is on service provider's account.
12. In case of any Road Accident, the same needs to be reported within 4 hours through phone /e-mail by the Service Provider / driver to the service provider as well as Sterlite Copper. In case the truck is not able to move within 24 hours' time, material needs to be transshipped to another truck with due written approval from Sterlite Copper after submitting proper photograph along with the request. All the cost involved in vehicle transshipment & material risk shall be on Service Provider's account.
13. If the Service Provider is willing to place a supervisor in order to monitor the movement then supervisor should possess a valid ESI, PF and a valid entry pass after due completion of Safety Training and medical checkup. Supervisor should adhere to the rules and regulations of the company while working inside the plant.
14. Service Providers are requested to utilize the company's training facility as when called for. Service provider should ensure that the proper records are maintained with respect to training. He should ensure that the drivers engaged for transportation should complete atleast one training in a year.
15. Service Provider's responsibility is to track the vehicle till the destination. The proof of delivery of the cargo to be handed over to SC at the time of making payment. In case of any shortage/ theft/ hijack, the necessary steps to be taken as mentioned below.

III. Guidelines for Acid Transportation by Road:

These guidelines are applicable to the Service Providers who is carrying Sulphuric Acid, Phosphoric Acid and Hydro Silicic Acid via Road over and above the General Guidelines.

a) Inside the Plant

1. Speed limit inside the plant premises should not be beyond 20 KMPH. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
2. Parking of trucks to be done only at specified areas inside the plant premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
3. Smoking is prohibited inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
4. Drivers should not drive in drunken condition. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently in the system and will not be permitted for further operations.
5. Drivers are not allowed to sleep in the trucks inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
6. Usage of mobile phones while driving is prohibited. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
7. Vehicle should have a updated tracking mechanism set up .(GPS with immobilizer)
8. Truck driver name / contact details to be maintained by the Service Provider
9. Drivers back ground to be verified by the Service Provider, before placement of trucks.
10. Service Provider shall ensure that the vehicle intended for loading, shall have all valid documents in copy. (RC, Insurance ,FC permit, PUC certificate etc)
11. All the documents related to Truck, Driver and Trip shall be maintained by the Service Provider atleast for 3 months from the date of trip completion. The same shall be provided to Sterlite Copper in case of requirement.
12. In case of any breakdown inside the plant, the same needs to be reported immediately to SC Logistics person who sitting at Gate No: 3 by the Service Provider's Supervisor on round the clock basis. Contact No: 0461-424 2209 / 2072

b) Outside the Plant

1. Any issue arises related to Sales tax / RTO or other government authorities during the trip or even after trip completion, has to be managed by the Service Provider.
2. The Service Provider has to ensure that all the trucks are moving in a convoy (minimum 3 vehicles within 3 kilometer distance) system.

3. The tanker inspection certificate should be kept in the vehicle.
4. Valves should not be interchanged in between.
5. TREM Card should be carried along with the vehicle.
6. Driver should have valid hazardous vehicle license.
7. FIRST AID box should have kept for emergency purpose.
8. The Service Provider has to ensure that all the trucks are parked at safer resting points in the enroute during halting for food, maintenance or night stay.
9. The security and safety of the consignment will be Service Provider's responsibility throughout the process till the material is unloaded safely at the port / mention destination.
10. The Service Provider has to ensure that the drivers are not tampering the tracking facility. In case of any maintenance is planned, intimation should be given in writing well in advance. In case without intimation tracking system is tampered during maintenance, the cost of repairing / reviving is on service provider's account.
11. In case of any Road Accident, the same needs to be reported immediately through phone /e-mail by the Service Provider / driver to the service provider as well as Sterlite Copper. In case the truck is not able to move within 24 hours' time, material needs to be transshipped to another truck with due written approval from Sterlite Copper after submitting proper photograph along with the request. All the cost involved in vehicle transshipment & material risk shall be on Service Provider's account.
12. If the Service Provider is willing to place a supervisor in order to monitor the movement then supervisor should possess a valid ESI, PF and a valid entry pass after due completion of Safety Training and medical checkup. Supervisor should adhere to the rules and regulations of the company while working inside the plant.
13. The Service Providers are requested to utilize the company's training facility as when called for. Service provider should ensure that the proper records are maintained with respect to training. He should ensure that the drivers engaged for transportation should complete atleast one training in a year.
14. Service Provider's responsibility is to track the vehicle till the destination. The proof of delivery of the cargo to be handed over to SC at the time of making payment. In case of any shortage/ theft/ hijack, the necessary steps to be taken as mentioned below.

IV. Guidelines for Containerized Goods Transportation by Multi-Model Mode:

These guidelines are applicable to the Service Providers who is carrying Copper Anode , Copper Cathode, Copper Coils, Anode Slime, Selenium, Copper Concentrate etc through Multi-model mode / containers. over and above the General Guidelines. In the multi-model mode, for road movement, please refer the guidelines for bulk goods transportation.

a) Inside the plant

1. Speed limit inside the plant premises should not be beyond 20 KMPH. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.

2. Parking of trucks to be done only at specified areas inside the plant premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again. the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
3. Smoking is prohibited inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
4. Drivers should not drive in drunken condition. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently in the system and will not be permitted for further operations.
5. Drivers are not allowed to sleep in the trucks inside the premises. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
6. Usage of mobile phones while driving is prohibited. Any violation will attract the penalty of Rs.500 per incident for first time, Rs. 2000 for second time. If it repeats again, , the vehicle along the driver will be blacklisted for 15 days as a penal action. Again the same vehicle repeated the violation will be blacklisted permanently.
7. Vehicle should have a updated tracking mechanism set up .(GPS with immobilizer)
8. Truck driver name / contact details to be maintained by the Service Provider
9. Drivers back ground to be verified by the Service Provider, before placement of trucks.
10. Service Provider shall ensure that the vehicle intended for loading, shall have all valid documents in copy. (RC, Insurance ,FC permit, PUC certificate etc)
11. All the documents related to Truck, Driver and Trip shall be maintained by the Service Provider atleast for 3 months from the date of trip completion. The same shall be provided to Sterlite Copper in case of requirement.
12. In case of any breakdown inside the plant, the same needs to be reported immediately to SC Logistics person who sitting at Weighbridge No: 1 by the Service Provider's Supervisor on round the clock basis.
Contact No: 0461- 424 2072

b) Outside the Plant

1. Any issue arises related to Sales tax / RTO or other government authorities during the trip or even after trip completion, has to be managed by the Service Provider.
2. The Service Provider has to ensure that all the trucks are parked at a safer resting points in the enroute during halting for food, maintenance or night stay .
3. The Service Provider has to ensure that the drivers are not tampering the tracking facility. In case of any maintenance is planned, intimation should be given in writing well in advance. In case without intimation

tracking system is tampered during maintenance, the cost of repairing / reviving is on service provider's account.

4. The Service Provider has to ensure that all the trucks are moving in a convoy (minimum 3 vehicles within 3 kilometer distance) system.
5. In case of any Road Accident, the same needs to be reported within 1.5 hours through phone /e-mail by the Service Provider / driver to the service provider as well as Sterlite Copper. In case the truck is not able to move within 12 hours' time, material needs to be transhipped to another truck with due written approval from Sterlite Copper after submitting proper photograph along with the request. All the cost involved in vehicle transshipment & material risk shall be on Service Provider's account.
6. The security and safety of the consignment will be Service Provider's responsibility throughout the process till the material is landed safely at the port / mention destination.
7. In case, the containers shall be taken to CFS, the Service Provider should ensure that the seal verification and examination are done at the earliest. Any change of seal, to be intimated to SC-SC immediately.
8. The Service Provider shall ensure that drivers maintain proper discipline within SC-SC's and outside company premises.
9. The Service Provider has sufficient resources available to respond to emergencies/ incidents, which may occur along established transportation routes. In case of any accident resulting in loss or damage to property of life, the sole responsibility for any legal or financial implication would vest with the Service Provider. SC-SC shall have no liability whatsoever
10. If the Service Provider is willing to place a supervisor in order to monitor the movement then supervisor should possess a valid ESI, PF and a valid entry pass after due completion of Safety Training and medical checkup. Supervisor should adhere to the rules and regulations of the company while working inside the plant.
11. Service Providers are requested to utilize the company's training facility as when called for. Service provider should ensure that the proper records are maintained with respect to training. He should ensure that the drivers engaged for transportation should complete atleast one training in a year.
12. Service Provider's responsibility is to track the vehicle till the destination. The proof of delivery of the cargo to be handed over to SC at the time of making payment. In case of any shortage/ theft/ hijack, the necessary steps to be taken as mentioned below.

Emergency Protocol Guidelines (Common for Road Mode as well as Multi-model Mode):

1. In case of any Red / Panic alerts generated from the tracking system / driver's phone call for a particular truck (Alerts like Route Violation / Power Failure / Panic) the Service Provider shall follow the below said protocol,
2. Contact the truck drivers immediately to understand the exact situation / condition of the truck on the road & in parallel notify the last location where the alert is generated. Service provider shall ensure from the driver that everything is fine after validating all the details from the driver.
3. In case the drivers are not reachable, the Service Provider should call their owners for getting in the exact details like change in mobile number, truck location etc. In the meantime Service Provider should alert all the

nearby trucks to reach the non-traceable truck for getting the exact situation status and get the confirmation as "Situation under Control" from the approached truck drivers. The entire activities shall be completed within 2 hours from the alert generated time.

4. Even after the above attempts (within 2 hours' time from alert generated time) the truck is not traceable, the Service Provider shall take up the issue with the nearby Police Station. Location to be decided based on the last observed location of the truck as indicated by the tracking system.
5. The Service Provider should make all efforts in tracing the truck along with the cargo at the earliest. This may be initiated by alerting all the truck drivers in transit.

In case of a hijack / theft incident, the Service Provider shall ensure the following.

1. The Service Provider or his representative shall reach the incident location within 4 hours' time from the alert generated time .
2. The Service Provider shall launch the complaint about the incident with the police and First Information Report (FIR) copy shall be submitted to Sterlite Copper within 3 calendar days from the date of incident.
3. The Service Provider shall submit all necessary documents required for insurance claim to be provided as & when required.
4. The Service Provider shall handle the police /court formalities in order to expedite the investigation process. In case the cargo is traced from the during the police investigation, The Service Provider shall ensure faster release of cargo from the police/court custody after due formalities. In case the cargo is not traceable after the complete police investigation, Service provider shall provide the original document of non-traceability certificate which is provided by the Police department after due formalities.

Annexure 1 (A)



:Don't violate PPE's norms



:Don't sleep while on duty.



:Don't work without work permit signed off.



:Don't drink alcohol & come for duty.



: Don't violate the speed limit beyond 20 kmph within plant areas.



:Don't refrain from reporting any unsafe act/incidents & near misses as seen



: Don't park the vehicle in no parking zone,

: Don't drive without crash helmet/seat belt & speak in mobile While driving inside plant areas



:Don't smoke within the plant premises



: Don't Drive with out valid driving license.

PPE Charter for Drivers

S.No	Area	PPE's Required
1	Smelter -Concentrate	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
2	Smelter-ORM	Helmet with chin strap, Goggles, Dust mask,Cut resistance gloves, Safety Shoes,Reflective jackets
3	Smelter-Acids	Helmet with chin strap, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets
4	Smelter-DM water	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
5	Smelter-Maint	Helmet with chin strap, Goggles, Dust mask,Cut resistant gloves, Safety Shoes,Reflective jackets
6	SAP-Acids	Helmet with chin strap, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets
7	SAP-ORM	Helmet with chin strap, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets
8	PAP-Rock	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
9	PAP-ORM	Helmet, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets

10	PAP-Acids	Helmet with chin strap, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets
11	Marketing- Gypsum	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
12	Marketing -Slag	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
13	Utility-LPG/HSD/FO/o2/Water	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
14	Stores-Materials	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
15	Smelter/Refinery/CCR-FG	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
16	Refinery/CCR -ORM	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets
17	Refinery -Acids	Helmet with chin strap, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets
18	TPP-RM/ORM/ASH/Fuels	Helmet with chin strap, Goggles, Dust mask, cut resistant gloves,Safety Shoes,Reflective jackets
19	TPP-Acids	Helmet with chin strap, Acid Splash Goggles, So2 Respirators, Acid dress (PVC Suits Pant+Shirt+Hood)Nitrile gloves , Gum boots,Reflective jackets
20	CPP-Fuels	Helmet with chin strap, Goggles, Dust mask, Safety Shoes,Reflective jackets

Annexure 1 (B)

Cardinal Rules



Don't violate PPE's norms



Don't sleep while on duty.



Don't work without work permit signed off.



Don't drink alcohol & come for duty.

Vedanta Limited
Unit: Sterlite Copper

**REQUEST FOR PROPOSAL (RFP)
FOR
PHOSPHORIC ACID (PA) Tanker Movement**

Reference: VL/TUT/LOG 17-18/01/PA/01

Date: 20th October 2017

Confidential

Vedanta Limited (Formerly known as Sesa Sterlite Limited)
Sterlite Copper: SIPCOT Industrial Complex, Madurai Bypass Road, Thoothukudi (Tamil Nadu) - 628 002
T +91-461 424 2591 F +91-461 424 2829 | Website: www.sesasterlite.com

Registered Office: Sesa Ghor, 20 EDC Complex, Patto, Panaji (Goa) - 403 001
CIN: L13209GA1965PLC000044

TENDER FOR PHOSPHORIC ACID MOVEMENT

Vedanta Limited, Unit: Sterlite Copper, (SC) invites sealed offers for award of 2 Years contract for movement of Phosphoric Acid Tankers from Tuticorin Plant to the customer's facility, Cochin (Kerala) & for Local Customers. (Port, GSFL), Ennore etc.,

1. Volume of Material & other details:

Destination	Distance (Kms) (One way)	Quantity (MT)- Annual Projection
FACT (Cochin)	335	88000
Local (GSFL)	20	200000
Local (Port)	20	240000
Ennore	650	22000
Mangalore	800	7900
Goa	1150	7900
Outstation	1	7900

To despatch the mentioned quantity we required 150 No's of Tankers.

Eligibility for the contract:

The transporters should have minimum of 25 tankers in their own registration with the minimum capacity of 21 MT and fitting with GPS device. (Loading as per the registration quantity only). If there is any change in quantity the transporters should ready to place extra no's of tankers

2. Submission of Tender Documents:

The bidders are required to submit the following documents at our Tuticorin Plant in sealed envelope latest by 07th November 2017

1. Quotation as per format in Annexure-1 duly signed and sealed by the Service Provider.
2. Details of tanker owned with Registration number.
3. Copies of last three year balance sheets.
4. Valid Transport Agency Registration Copy.
5. Bank Details as per format in Annexure-2.
6. Address of Local Office and parking facility detail.

Sealed tenders are to be sent / deposited to the following address on or before 07th November 2017 COB.

**Chief Commercial Officer,
Sterlite Copper (a Unit of Vedanta Limited)
SIPCOT Industrial Complex,
Madurai Bypass Road, T.V.Puram (P.O),
Tuticorin – 628 002**

Please mention "**TENDER FOR PHOSPHORIC ACID MOVEMENT**" on the top of your tender envelope.

3. Process of Finalization of Contract :

On receipt of above documents, scrutiny of each tender document will be made by our internal committee. This committee will shortlist transporters for further process based on potentials of

transporter, strength of own tankers, market reputation, branch network, communication facilities, past services provided to our group companies, extra services provided etc.

If required, User id and password will be given to the shortlisted parties. A date and time will be fixed and communicated by SC, on which the parties shall log on to the given website and participate in reverse auction. (Note: Reverse Auction is an optional procedure and the same may /may not be conducted as per the Management decision of SC)

4. **Security Deposit:**

After completion of the contract finalization and contract issuance , the Service Provider has to submit Security Deposit **Rs 5,00,000 (Rupees Five Lakhs only)** in form Bank Guarantee valid for 42 months issued from Nationalised Bank only (However Company can accept BG's from ABN, CAYLON, DBS, HDFC, ICICI, BNS, UTI, ING VYSYA, KARUR VYSYA banks also). No interest shall be paid for Security Deposits also.

5. **Scope, Terms & Conditions:**

1. **Tanker Specification:**

- a) Tanker quality: carbon steel / mild steel with Rubber Line.
- b) Minimum acceptable shell metal thickness - 5 mm to 6 mm.
- c) Rubber thickness acceptable range - 5 to 8 mm.
- d) Minimum capacity of the tanker is 21 MT and loading as per the registration quantity only.
- e) Tanker should have the provision for Abloy lock system.
- f) All vehicles should be fitted with well-equipped GPS
- g) Trucks should have all the PPE's Such as Safety Seat Belt, Fire extinguisher, Helmet, Safety Shoes, Dust Mask, First Aid box, Reflector Stickers, Safety triangle, Reverse Horn, Hand Brake, GPS

2. **Diesel Escalation / De-escalation clause :**

In case of Diesel increase/decrease by minimum of Rs.1/Ltr from the diesel rate **prevalent** at Tuticorin, the increase/decrease in freight rate will be calculated as per the mentioned formula.

Local	--> {(Diff in Diesel Rate/ (21*4))*2*Distance in Kms
Cochin	--> {(Diff in Diesel Rate/ (21*3.5))*2*Distance in Kms
Ennore	--> {(Diff in Diesel Rate/ (21*4))*2*Distance in Kms

3. **Sampling Procedure:**

Tanker wise sampling will be done and the results will be declared at the customer's end while unloading at Cochin. Pilot sample will be sent along with the truck for cross verification on concentration, if required.

4. **Washing Procedure:**

The washing will be done at SC's premises for all other destinations.

In case of washing at SC, SC will inspect the tanker before washing for any dilution/addition of weak acids/water in the tanker (Sample will be taken if necessary). If any dilution of acid was found, the tanker will not be taken for washing & the shortage quantity will be deducted from the Transporter.

Washing is by addition of water in the tanker & agitation by movement of tanker by to & fro movement. Tanker driver has to ensure safety in movement of the vehicle in the SC premises.

5. Shortage:

- a. The tolerance limits:
 - i. Weight tolerance: Upto 150 Kg
 - ii. Concentration Tolerance: ± 0.25 of the billed concentration.
- b. The weight shortage of more than 150 Kg will be debited with the cost of material including taxes, freight charges to the transporter.
- c. The concentration difference is more than 0.25 will be debited with the cost of material including taxes, freight charges to the transporter.

6. Halting charges will not be paid at any circumstances.

7. Tanker Inspection procedure & Charges:

1. All the tankers have to be undergone with inspection as per the mentioned scope of work by SC's authorized surveyors.
2. Inspection charges of each tanker will be Rs. 2800/- approx., per tanker.
3. Maximum validity period 6 months. Validity period may vary based on the tanker quality to 3 Months or 6 Months.
4. Scope of Work as follows:
 - a) Spark testing of inside rubber lining - maximum 40 locations inside the tankers
 - b) Inner rubber lining (natural / butyl) thickness measurement
 - c) Holiday testing for air gap detection between rubber lining and tanker shell.(only for new tankers)
 - d) Hydro test of 3" poly propylene valves with test pressure 2 kg/cm².
 - e) The Tanker has to be tested for leak with water at normal pressure.
 - f) The PP valves should be with flanged ends drilled to DIN 2576 PN10 "DPP" make, ball - polypropylene, "O" ring & gasket - neoprene rubber, stem - MS reinforced PP, handle - MS lined with PP seat and seals – Teflon
 - g) Verify the insurance validity period.
 - h) Visual inspection of rubber lining damage.
 - i) Material of inside rubber lining: either butyl or natural rubber (suggested submitting the MTC of rubber lining to ensure in the inspection report).
 - j) Maximum patch repairing for the rubber lining rectification shall be 3no's located with minimum 500mm distance.
 - k) Minimum patch size shall be either 150mm x 150mm or Dia 200mm.
 - l) Gasket material shall be natural or butyl rubber.
 - m) The tanker top dummy, drain dummy & the flange face has to be free from rubber failures.
 - n) Verify the pollution certification validity date.
 - o) Verify the registration certificate.
 - p) Mention the tanker maximum loaded capacity.
 - q) TREM card should be there. PPEs, compliance, maintenance of the vehicle to be ensured
 - r) Verify the painting & marking verifications as per the guidelines given by SC.
 - s) Ensure the proper ventilation holes (stand by gaskets with adequate bolts & nuts)
5. Refer General Transportation Guidelines.

ANNEXURE – 1
QUOTE FORM

M/s. _____

Transport Agency Registration No: _____ GST No: _____

We offer the following rates for transportation of Phosphoric Acid

(Rate for Phosphoric Acid Transportation)

Sl. No	Destination	UOM	Rate (Rs)
1	Transportation Charges for Plant to Port	Rs./MT	
2	Transportation Charges for Plant to GSFL Tuticorin	Rs./MT	
3	Transportation Charges for Outstation (Plant to Ennore)	Rs./MT	
4	Transportation Charges for Outstation (Plant to FACT)	Rs./MT	
5	Transportation Charges for Outstation (Plant to MFL)	Rs./MT	
6	Transportation Charges for Outstation (Plant to Goa)	Rs./MT	
7	Transportation Charges for Outstation	Rs./MT/KM	

*Above rates are exclusive of Taxes.

The below mentioned rates are quoted for the diesel Rate: **Rs. 60.40 / Lt** as on 20th October 2017.

Sign & Seal of Service Provider

ANNEXURE – 2
BANK DETAILS

M/s. _____

Vendor Name : _____

Bank Name : _____

Bank Address : _____

Account No : _____

Account Type : _____

IFSC Code No : _____

Scan Copy of Cancelled Cheque to verify IFSC Code No.

Vedanta Limited
Unit: Sterlite Copper

REQUEST FOR PROPOSAL (RFP)
FOR
SULPHURIC ACID (SA) Tanker Movement

Reference: VL/TUT/LOG 17-18/02/SA/01

Date: 20th October 2017

Confidential

Vedanta Limited (Formerly known as Sesa Sterlite Limited)
Sterlite Copper: SIPCOT Industrial Complex, Madurai Bypass Road, Thoothukudi (Tamil Nadu) - 628 002
T +91-461 424 2591 F +91-461 424 2829 | Website: www.sesasterlite.com

Registered Office: Sesa Ghor, 20 EDC Complex, Patto, Panaji (Goa) - 403 001
CIN: L13209GA1965PLC000044

TENDER FOR SULPHURIC ACID MOVEMENT

Vedanta Limited, Unit: Sterlite Copper, (SC) invites sealed offers for award of 2 Years contract for movement of Sulphuric Acid Tankers from Tuticorin to the customer's facility at Cochin (Kerala) & for Local Customers.

1. Volume of Material & other details:

Destination	Distance (Kms) (One way)	Quantity (MT)- Annual Projection
FACT (Cochin)	335	36000
Local (GSFL , Port)	20	180000
Ennore	650	12000
Mangalore	800	12000
Outstation	1	

To dispatch the Quantity produced we required 150 Nos of Tankers.

2. Eligibility for the contract:

The transporters should have minimum of 25 tankers in their own registration with the minimum capacity of 21 MT and fitting with GPS device. (Loading as per the registration quantity only). If there is any change in quantity the transporters should ready to place extra no's of tankers

3. Submission of Tender Documents:

The bidders are required to submit the following documents at our Tuticorin Plant in sealed envelope latest by 7th November 2017

1. Quotation as per format in Annexure-1 duly signed and sealed by the Service Provider.
2. Details of tanker owned with Registration number.
3. Copies of last three year balance sheets.
4. Valid Transport Agency Registration Copy.
5. Bank Details as per format in Annexure-2.
6. Address of Local Office and parking facility detail.

Sealed tenders are to be sent / deposited to the following address on or before 07th November 2017 COB.

**Chief Commercial Officer,
Sterlite Copper (a Unit of Vedanta Limited)
SIPCOT Industrial Complex,
Madurai Bypass Road, T.V.Puram (P.O),
Tuticorin – 628 002**

Please mention "**TENDER FOR SULPHURIC ACID MOVEMENT**" on the top of your tender envelope.

4. Process of Finalization of Contract :

On receipt of above documents, scrutiny of each tender document will be made by our internal committee. This committee will shortlist transporters for further process based on potentials of transporter, strength of own tankers, market reputation, branch network, communication facilities, past services provided to our group companies, extra services provided etc.

If required, User id and password will be given to the shortlisted parties. A date and time will be fixed and communicated by SILL, on which the parties shall log on to the given website and participate in reverse auction. (Note: Reverse Auction is an optional procedure and the same may /may not be conducted as per the Management decision of SC)

5. **Security Deposit:**

After completion of the contract finalization and contract issuance , the Service Provider has to submit Security Deposit of **Rs 5,00,000 (Rupees Five Lakhs only)** in form of Bank Guarantee valid for 42 months issued from Nationalized Bank only (However Company can accept BG's from ABN, CAYLON, DBS, HDFC, ICICI, BNS, UTI, ING VYSYA, KARUR VYSYA banks also). No interest shall be paid for Security Deposits also.

6. **Scope, Terms & Conditions:**

1. **Tanker Specification:**

- a) Tanker quality: Mild steel / Stainless Steel
- b) Minimum acceptable shell metal thickness - 6 MM to 8 MM
- c) Tanker Drain Nozzle Pipe Should be SEAMLESS SCH 80
- d) Tanker 2" drain Valve to be SS 316 – Standard Make as mentioned below (BDK, XOMAX,INTERVALVES,AUDCO,PRIME).
Tank Saddle Supports should be available at Top & Side
- e) Truck should have Reverse Horn & barricade to protect the drain valve
- f) Minimum capacity of the tanker is 21 MT and loading as per the registration quantity only.
- g) Vehicle should have First Aid box and tool box.
- h) Tanker should have the provision for Abloy lock system.
- i) All vehicles should be fitted with well-equipped GPS

2. **Diesel Escalation / De-escalation clause :**

In case of Diesel increase/decrease by minimum of Rs.1/Ltr from the diesel rate **prevalent** at Tuticorin, the increase/decrease in freight rate will be calculated as per the mentioned formula.

- | | |
|--------------|---|
| a. Local | --> $\{(Diff\ in\ Diesel\ Rate / (21 * 4)) * 2 * Distance\ in\ Kms\}$ |
| b. Cochin | --> $\{(Diff\ in\ Diesel\ Rate / (21 * 3.5)) * 2 * Distance\ in\ Kms\}$ |
| c. Ennore | --> $\{(Diff\ in\ Diesel\ Rate / (21 * 4)) * 2 * Distance\ in\ Kms\}$ |
| d. Mangalore | --> $\{(Diff\ in\ Diesel\ Rate / (21 * 4)) * 2 * Distance\ in\ Kms\}$ |

3. **Shortage:**

The shortage of more than the agreed quantity by SC in the contract will be debited with the cost of material including taxes, freight charges to the transporter.

4. **Halting charges will not be paid at any circumstances.**

5. **Tanker Inspection procedure & Charges:**

1. All the tankers have to be undergone with inspection as per the mentioned scope of work by SC's authorized surveyors.
2. Inspection charges of each tanker will be Rs. 2300/- approx. per tanker.
3. Maximum validity period 6 months. Validity period may vary based on the tanker quality to 3 Months or 6 Months.
4. Scope of Work as follows:
 - 1) CLEANING AND AIR FILL TO EVACUATE THE ACID FUMES WITH THE FRESH AIR IN THE TANK
 - 2) VISUAL SURFACE CHECK TO BE DONE WITH HAND LAMPS FOR INSIDE SURFACE

- 3) VISUAL WELD CHECK ON THE SURFACE FOR ANY DEFECTS DEVELOPMENT
- 4) AIR VENT AND DRAIN FILLING CHECK
- 5) CHECK THICKNESS AT FIVE LOCATIONS IN 1 M2 AREA EACH (INCLUDING BOTTOM AND SIDES) AND HISTORY RECORDS OF THICKNESS OF EVERY TANK BY ULTRASONIC THICKNESS GAUGA, WHILE DOING THICKNESS MEASUREMENT, PAINT HAS TO BE SCRAPPED OR ALLOWANCE HAS TO BE GIVEN FOR THE PAINT THICKNESS.
- 6) VALVES HYDRO AND FUNCTIONAL CHECK.
- 7) AIR VENT, DRAIN FITTINGS CHECK FOR CORROSION AND BLOCKAGE OF THE OPENING.
- 8) MOUNTING OF TANK SADDLE SUPPORTS AND FITTINGS ON TRUCK-CROSS CHECK FOR RIGIDITY
- 9) PAINTING & MARKING VERIFICATIONS. DETAILS SHALL BE GIVEN BY SIIL.
- 10) FINAL INSPECTION REPORT ON INDIVIDUAL TANK.
- 11) TANKER GASKETS SHOULD BE TEFLON FOR VALVE UPSTREAM AND TEFLON/BUTYL RUBBER FOR VALVE DOWNSTREAM AND TANKER TOP. OTHER GASKETS TO BE REJECTED (NO OF GASKETS : 2 SETS- STAND BY WITH ADEQUATE BOLTS & NUTS)
- 12) TANKER 2" DRAIN VALVE TO BE SS 316- STANDARD MAKE (BDK, XOMAX, INTERVALVES,AUDCO, PRIME)
- 13) BODY THICKNESS TO BE MIN 5 MM THICKNESS OR ELSE IT WILL BE REJECTED.
- 14) BODY SHOULD HAVE OPENINGS AT THE TOP. ONE FOR VISUAL INSPECTION AND OTHER FOR AIR VENT.
- 15) TANKER DRAIN NOZZLE PIPE SHOULD BE SEAMLESS SCH 80
- 16) SGS STAMPING/SEAL SHOULD BE FIXED WITH DRAIN VALVE AND TANKER NOZZLE, IF VALVE REPLACED TANKER SHOULD BE RECERTIFIED BY SGS
- 17) TREM CARD SHOULD BE THERE. PPES COMPLAINEE, MAINTAINENCE OF THE VEHICLE.
- 18) TANKER DRAIN VALUE CONNECTING FLANGE WITH TANKER SHOULD HAVE PTFE GASKET AND OTHER FLANGE/DUMMY GASKET SHOULD BE PTFE/BUTYL RUBBER
- 19) CHEMICAL HAZARD SYMBOL AND TECHNICAL DETAILS EMBOSSING INSPECTION. DETAILS SHALL BE GIVEN BY SIIL.
- 20) SGS CERTIFICATION VALIDITY IS ONLY FOR 6 MONTHS MAX. IN CASE OF REPAIRS/RECTIFICATION- VALIDITY SHOULD BE ISSUED FOR MAX 3 MONTHS OR LESS, BASED ON SGS INSPECTION
- 21) VERIFY THE INSURANCE VALIDITY PERIOD
- 22) VERIFY THE POLLUTION CERTIFICATION VALIDITY DATE
- 23) VERIFY THE REGISTRATION CERTIFICATE
- 24) ENSURE THE QTY TO BE LOADED IN THE TANKER (SHOULD NOT CROSS THE LIMIT FIXED)
- 25) ITEM: QUANTITY: TANK NO:
 - 1) MAKE / MFG: SIZE LENGTH:
 - 2) NAME OF REGISTERED OWNER
 - 3) ADDRESS OF REGISTERED OWNER
 - 4) VECHICLE MAKE & MODEL
 - 5) DATE OF PREVIOUS INSPECTION
- 26) VEHICLE SPECIFICATIONS
 - 1) ENGINE NO
 - 2) CHASSIS NO
 - 3) TANK NO
 - 4) LORRY R.T REGN NO
 - 5) TANK WEIGHT (GW)
 - 6) RC BOOK REFERENCE
 - 7) FC/EXPIRY DATE

5. Refer General Transportation Guidelines.

ANNEXURE – 1
QUOTE FORM

M/s. _____

Transport Agency Registration No: _____ GST No: _____

We offer the following rates for transportation of Sulphuric Acid

(Rate for Sulphuric Acid Transportation)

Sl. No	Destination	UOM	Rate (Rs)
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6	Transportation Charges for Outstation	Rs./MT/KM	

*Above rates are exclusive of Taxes.

The below mentioned rates are quoted for the diesel Rate: **Rs. 60.40 / Lt** as on 20th October 2017.

Sign & Seal of Service Provider

ANNEXURE – 2
BANK DETAILS

M/s. _____

Vendor Name : _____

Bank Name : _____

Bank Address : _____

Account No : _____

Account Type : _____

IFSC Code No : _____

Scan Copy of Cancelled Cheque to verify IFSC Code No.