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|  | Liquid Chlorine Tender Technical Product Specification and Technical Requirements | Unique Identifier | |
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1. TECHNICAL PRODUCT SPECIFICATION

The Supplier shall provide Liquid Chlorine that complies with the following technical specification:

| Parameters | Units | Specification |
|--------------------------------|-------------|--|
| Size | kg cylinder | 68 or 925 (as specified) |
| Description | | Suitable for disinfection of Potable Water |
| Chlorine (as vaporised liquid) | % | 99.9 (min) |
| Non-volatile residue | ppm | 40 (max) |

Note that this compliance shall be demonstrated by the Supplier providing a product specification from the manufacturer demonstrating compliance to all parameters listed in Eskom specification for Liquid Chlorine. (Note that a Material Safety Data Sheet will not be accepted).

2. TECHNICAL REQUIREMENTS

1. The Supplier shall inspect each off-loading facility prior to the first delivery.
2. Every delivery shall provide of the following documentation:
 - a. Material Safety Data Sheet
 - b. Product Specification
3. The Supplier shall arrange for safety induction for delivering this chemical to power stations.

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4. The Supplier shall ensure that deliveries are made by personnel trained in safety precautions specific for handling the delivered chemical, and that delivery personnel abide by Supplier and the Eskom safety procedures, including the use of required personnel protective equipment.
5. Deliveries shall only be accepted during the following working hours during the week, namely between 08:00 to 15:00, except for Fridays where deliveries shall only be accepted up to 10:00. During emergency situations, after hour deliveries can be accommodated with prior arrangement with the power station.
6. The Supplier shall report to the Water Treatment Plant Control Room on arrival, with all documentation required.
7. The following documentation shall be shown to the Eskom personnel in the Water Treatment Plant Control Room upon arrival at the power station:
 - a. Compliance certificate for lifting equipment.
 - b. Proof of competence of personnel for operation of lifting equipment.
 - c. Proof of competence of personnel for the handling of a chlorine leak.
8. The following documentation shall be submitted to the Eskom personnel in the Water Treatment Plant Control Room upon arrival at the power station:
 - a. Certificate of analysis.
 - b. Delivery note, which must include the Eskom order number, the name of the power station and the power station address, and the cylinder numbers.
9. The Supplier shall be accompanied to the off-loading facility by the Eskom personnel.
10. Empty cylinders shall be collected with every delivery.
11. The delivery truck shall be fitted with lifting equipment for the off-loading and collection of cylinders.
12. The Supplier shall take a sample from the tanker for analysis by the Eskom personnel.
13. A truck shall be rejected in the event of safety non-conformance. The Contract Manager shall be informed immediately and no payment shall be made.

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14. Standing time shall only be claimed if the delay is caused by Eskom. Standing time shall not be claimed where external conditions affect off-loading, such as rain, hail, lightning, etc.
15. The Supplier shall immediately inform the Contract Manager of any transportation and off-loading incident. The Supplier shall issue an incident investigation report to the Contract Manager and to all power stations within seven days of the incident.
16. The following documentation shall be submitted to the power station after delivery:
 - a. Original invoice within seven days of delivery.
17. The Supplier shall perform an inspection of an off-loading event in the presence of power station staff at each site at least once a year and shall issue a report to the Contract Manager.
18. The Supplier shall provide contingency plans providing assurance of continuity of supply of the product to the power stations in the situations where experience unplanned outages, interruptions in production and strikes.
19. The Supplier shall provide evidence of the Logistics Management / Quality Management System of the Transporter, providing assurance of on-time delivery of the product of the required quality.
20. The Supplier shall guarantee that the product will be delivered from the tendered Supplier/Manufacturer and via the tendered Transporter for the duration of the contract.
21. During the course of the contract, any concerns with the tendered Supplier/Manufacturer or the tendered Transporter shall be communicated in writing with the Contract Manager.
22. The product from the Supplier/Manufacturer shall be assessed by Eskom to be technically acceptable prior to first delivery of the product.
23. The Transporter of the product shall be assessed by Eskom to be technically acceptable prior to first delivery by the Transporter.


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