

Supply, installation, and removal of intelligent smart container locks within the Transnet Operating Division (OD) of the Rail Infrastructure Manager (TRIM) nationally and internationally for a period of three (03) years.

Technical Evaluation Criteria (80% Threshold)		100%	
1. Operational requirements		10%	Proof
The environmental specifications of a lock proposed meet all 9 environmental and operational requirements.	2	10,00%	The intelligent smart rail container and wagon locks shall be used across the entire country of South Africa, consequently the locks will need to operate in the diverse weather conditions found in South Africa and provide the functionalities below. (a). Ambient air temperature of - 10°C up to 60°C (b) Digital keyless lock (c) It should generate critical reports for data analysis (d) The lock shall be compatible with either Bluetooth, RFID, or any other wireless communication medium (e) The lock shall be compatible with any iOS system. (f) The lock shall be compatible with any Android system. (g) The lock shall be compatible with Microsoft Windows OS. (h) The container and wagon lock will require a minimum IP66 rating. (i) Geo fence locking capabilities The expectation is the rail container and wagon locks will be fully functional under the adverse weather conditions stated above. The bidder must submit the environmental and operational information of the lock proposed with the bid.
The environmental specifications of a lock proposed meet 6 to 8 environmental and operational requirements.	1	5,00%	
The bidding company did not submit the environmental specifications of the lock proposed of the lock proposed meets 1 to 5 environmental and operational requirements.	0	0,00%	
2. Previous experience in the supply, fitting, and removal of container locks.		15%	Proof
The bidding company submitted reference letter(s) that cover all (6) requirements.	3	15,00%	TRIM calls for proposals from experienced bidders with a proven track record of five (05) years to supply, fit, and remove container locking device on containers, rail wagons, and fuel tankers. The bidding company must submit reference letter(s) issued within the last Five (5) years from current and/or previous customer/s. The reference letter(s) submitted
The bidding company submitted reference letter(s) that cover 4 to 5 requirements	2	10,00%	

The bidding company submitted reference letter(s) that covers 1 to 3 requirements.	1	5,00%	must meet the requirements below: (a) Signed, (b) Dated, (c) Be on a customer letter head with physical address (d) Have the customer's contact details and email address. (e) Provide a brief description of the scope of works that was offered to the customer. The scope of works on the reference letters must illustrate that the bidding company has provided the intelligent smart and normal container locking services previously. (f) Prove that the company has a proven track record of five years in provision of a similar service. The letters must also prove that the bidding company has a cumulative 5-year experience. The information provided is subject to verification.
The bidding company did not submit reference letter(s) require or the reference letters submitted do not meet any of the 6 requirements.	0	0,00%	
3. The locks proposed shall accommodate various containers and wagons including but not limited to the ones listed.	10%		Proof
The bidding company proposed locks for all containers and wagons.	1	10,00%	The bidding company shall propose the locks for variuos containers and wagons below. (a) 6m container. (b) 12m container (c) Sugar wagons (FCJ) (d) Beer wagons (FSLJ) The bidding company must provide clear pictures of various locks proposed and indicate the type of containers and wagons they are proposed for.
The bidding company did not submit the information required of the information submitted proves that the bidding company did not propose the locks for all containers and wagons.	0	5,00%	
The bidding company did not submit a plan or the plan submitted does not cover any of the 5 key aspects.	0	0,00%	
4. Comprehensive technical plan outlining the bidding company's approach to executing the contract.	15%		Proof
The bidding company's plan covers all 5 key aspects in detail.	3	15,00%	The bidding company's comprehensive plan must cover the following key aspects: (a) Demonstrate capacity to rollout 10 000 intelligent smart locks within a period of 3 months. The rollout plan must include timelines. (b) Logistic Management of locks. The plan must cover procurement and supply chain management, inventory control and tracking, as well as installation and deinstallation plans.
The bidding company's plan covers 3 to 4 key aspects in detail.	2	10,00%	

The bidding company's plan covers 1 to 2 key aspects in detail.	1	5,00%	(c) Security of devices. The plan must cover data protection and encryption, access control measures, threat detection, and response. (d) Contingency plans. The plan must cover risk assessment and mitigation strategies, emergency response procedures, and business continuity planning.
The bidding company did not submit a plan or the plan submitted does not cover any of the 5 key aspects.	0	0,00%	(e) Human Resource and vehicle deployment plan. The plan must cover staffing requirements and training, vehicle allocation and management, as well as deployment schedules and logistics.
5. Tamper detection	15%		Proof
The technical specifications of the locks proposed reveal that the locks proposed have all 7 tamper detection capabilities.	3	15,00%	The intelligent smart container locks shall have tamper detection capability to prevent or minimize the unlawful removal from the containers. These locks will be fitted on sensitive cargo. Therefore, the smart locks shall have capabilities to set the detection rate in various environments and weather conditions. The smart container lock shall facilitate awareness of tampering with the locking devices in real time at the TFR Security Control Room. The lock must have the ability to detect and respond with an appropriate alarm to the following intrusion activities: (a) Bending of railway container and wagon doors or switch structure frame. (b) Striking of a container and wagon doors or switch structure frame. (c) Cutting of a railway container and wagon doors or switch structure frame. (d) Pulling of railway container and wagon doors or switch structure frame. (e) Departure of a lock from a geo-fenced area. (f) Magnetic tampering. (g) Signal jamming. The bidding company must submit the tamper detection capabilities of the locks proposed with the bid.
The technical specifications of the locks proposed reveal that the locks proposed have 5 to 6 tamper detection capabilities.	2	10,00%	
The technical specifications of the locks proposed reveal that the locks proposed have 1 to 4 tamper detection capabilities.	1	5,00%	
The technical specifications of the locks proposed reveal that the locks proposed have no tamper detection capabilities or the bidding company did not submit the technical specifications of the lock proposed.	0	0,00%	
6. Bidding company organogram	10%		Proof
The bidding company submitted an organogram reflecting Night (9) key resources required.	4	10,00%	The bidding company must submit is signed organogram. The organogram must reflect the

The bidding company submitted an organogram reflecting Six (6) to Eight (8) key resources required.	3	5,00%	critical positions below: (a) General Manager (b) Operations Manager (c) Risk Safety Manager (d) Area Manager (e) Supervisor (f) Controller (g) Human Resources (h) Investigator (i) Guarding structure Note: The Curriculum Vitae of members submitted will be requested.
The bidding company submitted an organogram reflecting Three (3) to Five (5) key resources required.	2	3,33%	
The bidding company submitted an organogram reflecting One (1) Two (2) to Three (3) key resources required.	1	2,50%	
The bidder did not submit the organogram or the organogram submitted does not cover any of the requirements.	0	0,00%	
7. Wireless remote monitoring system	15%		Proof
The wireless remote monitoring system of the lock proposed meets all 10 requirements.	3	15,00%	The wireless remote monitoring system shall have the following capabilities: (a) Real time monitoring with a maximum of a 10 minute- refresh rate. (b) Remote, wireless, and centralized monitoring. (c) Web and App/ cell phone access. (d) Compatible with Windows, Android and IOS system. (e) GPS location of lock and battery powered wireless key. (f) All units must be visible on one monitoring unit. (g) Trigger alarms for all sensors in both an audio and visual format. (h) Low battery warnings. (i) Record keeping of operators who conducted the lock and unlocking of the locking units with date and time stamps. (j) The platform shall be fully customizable to suit the needs of the client. The bidding company must submit the technical specification of the wireless remote monitoring system software and capabilities.
The wireless remote monitoring system of the lock proposed meets 7 to 9 requirements.	2	10,00%	
The wireless remote monitoring system of the lock proposed meets 1 to 6 requirements.	1	5,00%	
The bidding company did not provide the wireless remote monitoring system capabilities or the information submitted reveal that the system does not meet any of the requirements.	0	0,00%	
8. Foot print	10%		Proof
The bidding company submitted proof of presence with office locations, operational presence, local staff or partners, and previous or present clients in all 9 provinces.	3	10,00%	The bidding company must demonstrate its footprint by providing proof of presence in the provinces below. This foot print must include Office locations, operational presence, local staff or partners, previous projects or clients in these areas. This requirement assesses the bidding company's ability to execute the project effectively nationally. (a) Gauteng (b) Northwest (c) Northern Cape (d) Western Cape
The bidding company submitted proof of presence with office locations, operational presence, local staff or partners, and previous or present clients in 7 to 8 provinces.	2	5,00%	
The bidding company submitted proof of presence with office locations, operational presence, local staff or partners, and previous or present clients in 5 to 6 provinces.	1	3,33%	

The bidding company did not submit a proof of foot print or the proof of foot print submitted proves that the bidding company has a foot print in 1 to 4 provinces only.

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0,00%

- (e) Eastern Cape
- (f) Free State
- (g) Limpopo
- (h) Mpumalanga
- (i) KwaZulu Natal