1 BACKGROUND

The LimLanga Cluster requires a contract for the supply and delivery of medium-voltage distribution transformers for a two year period. These transformers are required for the construction, maintenance, refurbishment, strengthening and emergency restoration of electrical distribution networks across the Cluster. The listed materials consist mainly of MV pole-mounted distribution transformers ranging from 16 kVA to 500 kVA, with primary voltage ratings of 11 kV and 22 kV and secondary voltage ratings of 242 V, 420 V or +242/-242 V, as applicable to each item description.

The availability of compliant and fit-for-purpose distribution transformers is critical to ensuring reliable power supply, reducing outage duration and enabling planned work to proceed without delays. The required transformers must conform to the applicable Eskom specifications, approved drawings, quality requirements and relevant South African National Standards applicable to MV distribution transformers.

2 SCOPE

The scope of work covers the supply, delivery and support of the listed MV distribution transformers required by the LimLanga Cluster over a two-year contract period. The supplier shall provide transformers that meet the specified kVA ratings, primary and secondary voltage ratings, mounting configuration, coastal or standard application requirements, technical descriptions, markings, quality assurance and testing or certification requirements indicated in the material descriptions.

The scope includes, but is not limited to, the following requirements:

- Supply and delivery of MV pole-mounted distribution transformers ranging from 16 kVA to 500 kVA for 11 kV and 22 kV distribution networks.
- Provision of transformers with secondary voltage configurations of 242 V, 420 V or +242/-242 V, as specified for each SAP material item.
- Supply of both standard MV pole-mounted transformer units and the specified coastal 500 kVA, 22 kV/420 V distribution transformer item.
- Compliance with applicable Eskom technical specifications, drawings, inspection requirements, routine test requirements and approved quality documentation.
- Delivery of transformers that are suitably packaged, labelled, handled and transported to prevent damage during transit and offloading.
- Provision of manufacturer documentation, test certificates, compliance certificates and any other technical information required for receiving, inspection and acceptance.
- Support for timely replenishment of transformer stock required for maintenance, capital projects, service restoration and network reliability improvement initiatives.

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The material specifications entail but not limited to the following:

SAP Number	Material Description
175077	TRFR DISTR:MV POLE MNT;16 KVA;11KV/242V
175078	TRFR DISTR:MV POLE MNT;16 KVA;22KV/242V
175081	TRFR DISTR:MV POLE MNT;25 KVA;11KV/420V
175082	TRFR DISTR:MV POLE MNT;25 KVA;22KV/420 V
175083	TRFR DISTR:MV POLE MNT;50 KVA;11KV/420V
175084	TRFR DISTR:MV POLE MNT;50 KVA;22KV/420V
175085	TRFR DISTR:MV POLE MNT;100 KVA;11KV/420V
175086	TRFR DISTR:MV POLE MNT;100 KVA;22KV/420V
175091	TRFR DISTR:MV POLE MNT;200 KVA;11KV/420V
175092	TRFR DISTR:MV POLE MNT;200 KVA;22KV/420V
175093	TRFR DISTR:MV POLE MNT;500 KVA;11KV/420V
175094	TRFR DISTR:COASTAL;500 KVA;22 KV/420 V
175095	TRFR DISTR:MV POLE MNT;315 KVA;11KV/420V
175096	TRFR DISTR:MV POLE MNT;315 KVA;22KV/420V
175097	TRFR DISTR:MVPOLE;32 KVA;11KV/+242/-242V
175098	TRFR DISTR:MVPOLE;32 KVA;22KV/+242/-242V
189923	TRFR DISTR:MVPOLE;64 KVA;22KV/+242/-242V

3 BUSINESS JUSTIFICATION

The contract is required to ensure continuous availability of critical MV distribution transformers used for planned maintenance, capital projects, fault repairs, network strengthening, new customer connections and emergency restoration work. Without a dedicated contract, the Cluster may experience procurement delays, transformer stock shortages and increased risk of prolonged outages due to the unavailability of suitable transformer units.

A two-year contract will support operational readiness by enabling timely procurement and replenishment of transformer stock based on forecasted and emergency requirements. It will promote standardisation of distribution transformer supply, improve planning, reduce repetitive sourcing activities and support compliance with applicable technical, quality and safety requirements. The contract will further assist the organisation in responding effectively to transformer failures, network constraints, customer supply interruptions and infrastructure reliability challenges.

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4 BENEFITS TO THE ORGANISATION

The implementation of this contract will provide the following benefits to the organisation:

- Improved availability of critical MV distribution transformers for operational and project requirements.
- Reduced procurement lead times and improved response to breakdowns, faults and emergency restoration work.
- Improved network reliability through the use of technically compliant and quality-assured distribution transformers.
- Better stock planning and reduced risk of project delays caused by transformer material shortages.
- Standardisation of distribution transformer supply in accordance with approved Eskom specifications, drawings and applicable standards.
- Improved safety and performance of the distribution network by ensuring that transformers are suitable for their intended voltage, loading and application requirements.
- Enhanced service delivery to customers through faster restoration and improved execution of maintenance, construction and transformer replacement activities.

5 CONCLUSION

The establishment of a two-year LimLanga Cluster contract for MV distribution transformers is necessary to support reliable electricity distribution, improve operational readiness and ensure the timely execution of maintenance, refurbishment, construction, network strengthening and emergency restoration work. The contract will enable the organisation to procure technically compliant transformer units in a controlled and standardised manner, thereby supporting network reliability, safety, customer service and efficient delivery of planned and unplanned work.

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