



## **MUNICIPAL INFRASTRUCTURE SUPPORT AGENT**

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### **CIRCULAR NO: 1 of 2018**

#### **SUBJECT:**

#### **NOTICE TO MUNICIPALITIES OF THE ESTABLISHMENT OF FRAMEWORK CONTRACTS BY THE MUNICIPAL INFRASTRUCTURE SUPPORT AGENT (MISA), FOR:**

- 1 Framework contract for supply and delivery of ground and pole mounted transformers to any municipality within South Africa.
- 2 Framework contract for the services of management contractors for the design and construction, refurbishment, rehabilitation, alteration or operation of water treatment plants within the geographic regions in South Africa.
- 3 Framework contract for the services of management contractors for the maintenance, repair and operation of municipal water infrastructure within the geographic regions in South Africa.
- 4 Framework contract for the services of management contractors for the maintenance, repair and operation of municipal sanitation infrastructure within the geographic regions in South Africa.
- 5 Framework contract for the services of management contractors for construction or installation of new municipal water and sanitation infrastructure other than treatment plants within the geographic regions in South Africa.

**TO: ALL MUNICIPALITIES AND OTHER INTERESTED ORGANS OF STATE.**

This circular seeks to inform municipalities about the establishment of the Framework Contracts listed above.

1. The MISA engaged in a process to establish Framework Contracts for procurement related particularly to municipal infrastructure for energy, water and sanitation, and other critical goods and services for municipalities.
  - 1.1 MISA has established the first framework contract for the supply and delivery of Pole and Ground Mounted Transformers in all municipalities in South Africa.
  - 1.2 There are four categories for Pole Mounted Transformers and four categories for Ground Mounted Transformer, based on a transformer's primary voltage. Refer to tables 1 & 2 below:

**Table 1. Categories For Pole Mounted:**

Item no.	Description	Primary Voltage	Notional mass (kg)	kVA Rating DYN 11
<b>Transformer Category 1.1 (6 600 Volt)</b>				
1.1.1	Single Phase	6 600	590	16
1.1.2	Dual Phase	6 600	620	32
1.1.3	Dual Phase	6 600	620	64
1.1.4	Three Phase	6 600	620	25
1.1.5	Three Phase	6 600	620	50
1.1.6	Three Phase	6 600	620	100
1.1.7	Three Phase	6 600	1000	200
1.1.8	Three Phase	6 600	1400	315
1.1.9	Three Phase	6 600	1950	500
<b>Transformer Category 1.2 (11 000 Volt)</b>				
1.2.1	Single Phase	11 000	590	16
1.2.2	Dual Phase	11 000	620	32
1.2.3	Dual Phase	11 000	620	64
1.2.4	Three Phase	11 000	620	25
1.2.5	Three Phase	11 000	620	50
1.2.6	Three Phase	11 000	620	100
1.2.7	Three Phase	11 000	1000	200
1.2.8	Three Phase	11 000	1400	315
1.2.9	Three Phase	11 000	1950	500

Item no.	Description	Primary Voltage	Notional mass (kg)	kVA Rating DYN 11
<b>Transformer Category 1.3 (22 000 Volt)</b>				
1.3.1	Three Phase	22 000	16	590
1.3.2	Three Phase	22 000	25	620
1.3.3	Three Phase	22 000	50	620
1.3.4	Three Phase	22 000	100	620
1.3.5	Three Phase	22 000	200	620
1.3.6	Three Phase	22 000	315	620
1.3.7	Three Phase	22 000	500	1000
<b>Transformer Category 1.4 Dual Ratio (6 600 and 11 000 volt)</b>				
1.4.1	Three Phase	6 600 / 11 000	620	25
1.4.2	Three Phase	6 600/ 11 000	760	50
1.4.3	Three Phase	6 600/ 11 000	820	100
1.4.4	Three Phase	6 600/ 11 000	1100	200
1.4.5	Three Phase	6 600/ 11 000	2400	315
1.4.6	Three Phase	6 600/ 11 000	2800	500

**Table 2. Categories For Ground Mounted:**

Item no.	Description	Primary Voltage	Notional mass (kg)	kVA Rating DYN 11
<b>Transformer Category 2.1 (6 600 Volt)</b>				
2.1.1	Three Phase	6 600	760	25
2.1.2	Three Phase	6 600	760	50
2.1.3	Three Phase	6 600	820	100
2.1.4	Three Phase	6 600	1100	200
2.1.5	Three Phase	6 600	2400	315
2.1.6	Three Phase	6 600	1950	500
2.1.7	Three Phase	6 600	3400	630
2.1.8	Three Phase	6 600	4200	1000
<b>Transformer Category 2.2 (11 000 Volt)</b>				
2.2.1	Three Phase	11 000	760	25
2.2.2	Three Phase	11 000	760	50
2.2.3	Three Phase	11 000	820	100
2.2.4	Three Phase	11 000	1100	200
2.2.5	Three Phase	11 000	2400	315
2.2.6	Three Phase	11 000	1950	500
2.2.7	Three Phase	11 000	3400	630
2.2.8	Three Phase	11 000	4200	1000
<b>Transformer Category 2.3 (22 000 Volt)</b>				
2.3.1	Three Phase	22 000	760	16
2.3.2	Three Phase	22 000	760	25
2.3.3	Three Phase	22 000	820	50
2.3.4	Three Phase	22 000	1100	100
2.3.5	Three Phase	22 000	2400	200
2.3.6	Three Phase	22 000	1950	315

Item no.	Description	Primary Voltage	Notional mass (kg)	kVA Rating DYN 11
2.3.7	Three Phase	22 000	3400	500
2.3.8	Three Phase	22 000	4200	630
2.3.9	Three Phase	22 000	5300	1000
<b>Transformer Category 2.4 - Dual Ratio (6 600 and 11 000 volt)</b>				
2.4.1	Three Phase	6 600/ 11 000	760	25
2.4.2	Three Phase	6 600/ 11 000	760	50
2.4.3	Three Phase	6 600/ 11 000	820	100
2.4.4	Three Phase	6 600/ 11 000	1100	200
2.4.5	Three Phase	6 600/ 11 000	2400	315
2.4.6	Three Phase	6 600/ 11 000	1950	500
2.4.7	Three Phase	6 600/ 11 000	3400	630
2.4.8	Three Phase	6 600/ 11 000	4200	1000

**NB:** It is important to note that the **unit price** per transformer will be published on the COGTA website and on MIPMIS. The unit prices for the transformers are based on the estimated quantities that were presented to the framework contractors. Municipalities will have to use the unit prices presented as the baseline and then market related inflation indices for any escalation will have to be taken into consideration before the price of the transformer is finalized. The price escalation per unit prices will be calculated using the price adjustment factor for the batch orders as determined by Stats SA Release PO151CPAP for Work Groups and selected Material Indices – Work Group 162 (Electrical - Reticulation)

- 1.3 The **delivery rates** have been worked out as well based on the estimated tonnage and distance. The provided rates will have to be used as a baseline and each municipality will negotiate the final delivery rate with the appointed framework contractor.
- 1.4 It is important for municipalities to standardize their specifications according to the South African National Standards for Transformers and as well quantify the amounts of transformers they need in order to benefit from the economies of scale.

2. MISA has also established the following framework contracts:

Tender No.	Framework Contract Name	Extent of Services
MISA/FC/MG/DCRRAO/011/2018	Framework contracts for the services of management contractors for the design and construction, refurbishment, rehabilitation, alteration or operation of water treatment plants within the geographic regions in South Africa	a) the construction, refurbishment, rehabilitation and alteration of water treatment plants;  b) monitoring the quality of water by performing all the necessary tests including bacteriological, chemical and other tests of the process water to comply with regulations;  c) ensuring that the flow of water and waste water through the works is maintained unhindered;

		<p>d) storing of chemicals (e.g. chlorine) in accordance with prescribed standards;</p> <p>e) ensuring that the works site is suitably cleaned and properly maintained;</p> <p>f) ensuring that all mechanical and electrical equipment are functional and that certificates of compliance required by law are updated;</p> <p>g) undertaking of regular inspections of concrete and other structures to check for water leaks, movement of structures, etc.;</p> <p>h) ensuring that the operators office is clean and contains all the required manuals, emergency procedures, telephone numbers of stand-by personnel, equipped with safety medical kit; and</p> <p>i) ensuring the proper management of waste e.g. debris, cloths and excess sediments from the works.</p> <p>The contractor may be required to subcontract the design services to a suitably experienced consultants or to a consultant contracted by MISA in terms of a framework agreement.</p>
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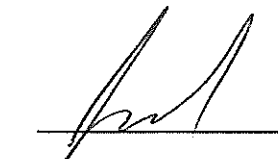
MISA/FC/MRO/MW/012/2018	Framework contract for the services of management contractor for the maintenance, repair and operation of municipal water infrastructure within the geographic regions in South Africa	<p>a) maintenance and repair of:</p> <ol style="list-style-type: none"> <li>1. water treatment and desalination plants;</li> <li>2. water pipelines and reservoirs network infrastructure;</li> <li>3. pumps and pump stations;</li> <li>4. metering, monitoring and control mechanisms;</li> <li>5. infrastructure for water capture, abstraction and storage e.g. dams, boreholes, weirs, rainwater harvesting, wells etc.; and</li> <li>6. household water systems including leaking toilet cisterns.</li> </ol> <p>b) the refurbishment, rehabilitation or alteration of the existing water installations other than water treatment plants;</p> <p>c) minor extensions to the water installations other than water treatment plants;</p> <p>d) the refurbishment, equipping of boreholes and appurtenant works;</p> <p>e) the installation and replacement of water metering, monitoring and control mechanisms, and</p> <p>f) the operation of municipal water infrastructure other than water treatment plants.</p>
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MISA/FC/MRO/MSI/013/2018	Framework contract for the services of management contractors for the maintenance, repair and operation of municipal sanitation infrastructure within the geographic regions in South Africa	<p>a) the maintenance and repair of:</p> <ol style="list-style-type: none"> <li>1. wastewater treatment plants;</li> <li>2. sewer pipelines and reservoirs network infrastructure;</li> <li>3. meters and control Mechanisms; and</li> <li>4. sewer pumps and pump stations;</li> </ol> <p>b) the refurbishment, rehabilitation or alteration of the existing sewer installations other than wastewater treatment plants;</p> <p>c) minor extensions to the sewer installations other than wastewater treatment plants;</p> <p>d) the desludging of Ventilated Improved Toilets (VIP), septic and conservancy tanks or similar; and</p> <p>e) the operation of municipal sanitation infrastructure other than waste water treatment plants.</p>
MISA/FC/CI/NMWSI/014/2018	Framework contract for the services of management contractor for construction or installation of new municipal water and sanitation infrastructure other than treatment plants within the geographic regions in South Africa	<p>a) water infrastructure:</p> <ol style="list-style-type: none"> <li>1. the construction of new municipal water pipelines, control mechanisms including telemetry, reservoirs and pump stations from point of abstraction to point of consumption excluding water treatment plants;</li> </ol>

		<p>2. the installation of leak detection and water loss control measures;</p> <p>b) sanitation infrastructure:</p> <ol style="list-style-type: none"> <li>1. the design and construction of new municipal sanitation infrastructure other than wastewater treatment plants;</li> <li>2. the design and installation of pump stations;</li> <li>3. the design and installation of on-site and decentralized sanitation systems; and</li> <li>4. the desludging of wastewater treatment works and sludge drying beds.</li> </ol> <p>The contractor may be required to subcontract the design services to a suitably experienced consultants or to a consultant contracted by MISA in terms of a framework agreement.</p>
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3. The framework contracts are available from now until 2021 (are valid for a 3 year period).
4. Municipalities are encouraged to make use of the framework contracts.
5. MISA has prepared a Framework Contracts' User Guide or Manual for ease of reference (see attached Annexure A).

6. For any queries regarding these framework contracts please contact: Luvu Mpengesi at [luvo.mpengesi@misa.gov.za](mailto:luvo.mpengesi@misa.gov.za) or Edi Kwangwa at [edi.kwangwa@misa.gov.za](mailto:edi.kwangwa@misa.gov.za) (for transformers) and Bayanda Gamede at [Bayanda.gamede@misa.gov.za](mailto:Bayanda.gamede@misa.gov.za) (for Water and Sanitation related) framework contracts.



Mr. N. G. Vimba  
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