



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

---

## PART 2: PRICING DATA

Document reference	Title	No of pages
C2.1	Pricing instructions: Option A	
C2.2	Activity Schedule	



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

## C2.1 Pricing Instructions: Option A

### 1. The *conditions of contract*

#### 1.1. How the contract prices work and assesses it for progress payments

Clause 11 in NEC3 Engineering and Construction Contract, June 2005, (with amendments June 2006 and April 2013) (ECC) Option A states:

**Identified and defined terms** 11  
11.2

(20) The Activity Schedule is the *activity schedule* unless later changed in accordance with this contract.

(22) Defined Cost is the cost of the components in the Shorter Schedule of Cost Components whether work is subcontracted or not excluding the cost of preparing quotations for compensation events.

(27) The Price for Work Done to Date is the total of the Prices for

- each group of completed activities and
- each completed activity which is not in a group

A completed activity is one which is without Defects which would either delay or be covered by immediately following work.

(30) The Prices are the lump sums for each of the activities on the Activity Schedule unless later changed in accordance with this contract.

#### 1.2. Measurement and Payment

1.2.1 The Activity Schedule provides the basis of all valuations of the Price for Work Done to Date, payments in multiple currencies, price adjustments for inflation and general progress monitoring.

1.2.2 The amount due at each assessment date is based on **completed activities and/or milestones** as indicated on the Activity Schedule.

1.2.3 The Activity Schedule work breakdown structure provided by the *Contractor* is based on the Activity Schedule provided by the *Employer*. The activities listed by the *Employer* are the minimum activities acceptable and identify the specific activities which are required to achieve Completion. The activity schedule work breakdown structure is compiled to the satisfaction of the *Project Manager* with any additions and/or amendments deemed necessary.

1.2.4 The *Contractor's* detailed Activity Schedule summates back to the Activity Schedule provided by the *Employer* and is in sufficient detail to monitor completion of activities related to the Accepted Programme in order that payment of completed activities may be assessed.



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

---

- 1.2.5 The short descriptions in the Activity Schedule are for identification purposes only. All work described in the Works Information is deemed included in the activities.
- 1.2.6 The Activity Schedule is integrated with the Prices, Accepted Programme and where required the forecast rate of payment schedule.
- 1.2.7 Activities in multiple currencies are separately identified on both the Activity Schedule and the Accepted Programme for each currency.
- 1.2.8 The tendered total of the prices as stated in the Contract Data is obtained from the Activity Schedule summary. The tendered total of the prices includes for all direct and indirect costs, overheads, profits, risks, liabilities and obligations relative to the Contract.



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

## C2.2 Activity Schedule

The Tenderer details his Activity Schedule below or refers to his Activity Schedule and attaches it to this schedule.

The details given below serve as guidelines only and the Tenderer may split or combine the activities to suit his particular methods.

*N.B. Sites correspond to precincts that are billed in an account. Each site for assessment comprises of:*

- *An electricity bulk metering point where two smart meters shall be installed to include the redundancy feeder, and various assets being fed from the precinct account shall be submetered.*
- *A water bulk metering point where a smart meter shall be installed and, various assets being fed from the precinct account shall be submetered.*
- *Cellular coverage shall be assessed at each point of smart meter installation and reported on for each site holistically.*

<b>1. SUPPLY, DEVELOPMENT, DELIVERY, INSTALLATION, TESTING &amp; COMMISSIONING</b>					
<b>Activity No</b>	<b>Activity Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Price of each activity</b>
1.1	Site Establishment and de-establishment	Sum	1	R	R
1.2	Site assessments – Northern Region (33 areas)				
1.2.1	Electricity infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	191	R	R
1.2.2	Water infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	191	R	R
1.3	Site assessments – Eastern Cape (31 areas)				
1.3.1	Electricity infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	332	R	R
1.3.2	Water infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	332	R	R
1.4	Site assessments – Western Cape (32 areas)				



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

1.4.1	Electricity infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	201	R	R
1.4.2	Water infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	201	R	R
1.5	Site assessments – KZN (33 areas)				
1.5.1	Electricity infrastructure at Sites of Installation and condition assessment of cellular coverage at each Point of Installation	Each	162	R	R
1.5.2	Water infrastructure at Sites of Installation and condition assessment of cellular coverage at each Point of Installation	Each	162	R	R
1.6	Site assessments – Inland Region (45 areas)				
1.6.1	Electricity infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	276	R	R
1.6.2	Water infrastructure at Points of Installation and condition assessment of cellular coverage at each Point of Installation	Each	266	R	R
1.7	Provisional Sum for installations relating to the upgrade of existing infrastructure	Sum	1	R 6 000 000.00	R 6 000 000.00
1.8	Development, Supply, and deployment of Software – Online Data Management Platform				
1.8.1	Backend Development of Online Data Management Platform	Each	1	R	R
1.8.2	Frontend Development of Online Data Management Platform	Each	1	R	R



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

1.8.3	Onboarding (Provisioning of module, connection of SIM cards and remote communication setup) of Smart Meters to Online Data Management Platform	Each	2513	R	R
1.9	Supply, Delivery, Installation, Testing & Commissioning of Smart Bulk Electrical Meters & Meters for EPC Buildings (at all sites specified)				
1.9.1	KZN Region	Each	68	R	R
1.9.2	Western Cape Region	Each	68	R	R
1.9.3	Inland Region	Each	98	R	R
1.9.4	Northern Region	Each	71	R	R
1.9.5	Eastern Cape Region	Each	68	R	R
1.10	Supply, Delivery, Installation, Testing & Commissioning of Smart Sub Electrical Meters (at all sites specified)				
1.10.1	KZN Region	Each	129	R	R
1.10.2	Western Cape Region	Each	169	R	R
1.10.3	Inland Region	Each	231	R	R
1.10.4	Northern Region	Each	158	R	R
1.10.5	Eastern Cape Region	Each	301	R	R



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

Activity No	Activity Description	Unit	Quantity	Rate	Price of each activity
1.11	Supply, Delivery, Installation, Testing & Commissioning of Smart Bulk Water Meters (at all sites specified)				
1.11.1	KZN Region	Each	33	R	R
1.11.2	Western Cape Region	Each	32	R	R
1.11.3	Inland Region	Each	35	R	R
1.11.4	Northern Region	Each	33	R	R
1.11.5	Eastern Cape Region	Each	31	R	R
1.12	Supply, Delivery, Installation, Testing & Commissioning of Smart Sub Water Meters				
1.12.1	KZN Region	Each	129	R	R
1.12.2	Western Cape Region	Each	169	R	R
1.12.3	Inland Region	Each	231	R	R
1.12.4	Northern Region	Each	158	R	R
1.12.5	Eastern Cape Region	Each	301	R	R
1.13	Training and skills transfer of Transnet employees (System operation, troubleshooting and maintenance of meters)				
1.13.1	End-user System Operation Training	Each	50	R	R
1.13.2	Smart Meter hardware and software maintenance and troubleshooting	Each	50	R	R
<b>Subtotal (Excl. VAT)</b>					<b>R</b>
<b>VAT</b>					<b>R</b>
<b>Subtotal (Incl. VAT)</b>					<b>R</b>

## 2. OPERATION AND MAINTENANCE

Activity No	Activity Description	Unit	Quantity	Rate	Price of each activity
2.1	IoT Cloud hosting services/subscription	Annual	1	R	R
2.2	36 Months Warrantee, Support & Maintenance of the complete metering system (including meters and software)	Sum	1	R	R
<b>Subtotal (Excl. VAT)</b>					<b>R</b>



Transnet Property

Tender Number: TP/2024/03/0003/59627/RFP

Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

<b>VAT</b>	<b>R</b>
<b>Subtotal (Incl. VAT)</b>	<b>R</b>

### 3. SUMMARY

3.1	Supply, Development, Delivery, Installation, Testing & Commissioning of the National Smart Metering System	R
3.2	Operation and Maintenance	R
3.3	Total (Excl. VAT)	R
3.4	VAT	R
<b>3.5</b>	<b>Total (Incl. VAT)</b>	<b>R</b>





Transnet Property  
 Tender Number: TP/2024/03/0003/59627/RFP  
 Description of the Works: For the Supply, Development, Installation, Testing and Commissioning of the National Smart Metering System for the Electricity and Water at Transnet Property for a period of three (3) years.

**C 2.3 LABOUR RATES AD-HOC**

**LABOUR RATES FOR AD-HOC WORK.**

1. **Normal office hours:**

Electrician	R...../ hour.
Plumber	R...../ hour.
General labour	R...../ hour.
  
2. **Overtime**

Electrician	R...../ hour.
Plumber	R...../ hour.
General labour	R...../ hour.
  
3. **Sundays and Public Holidays:**

Electrician	R...../ hour.
Plumber	R...../ hour.
General labour	R...../ hour.