

## PART C2: PRICING DATA

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## C2.1 Pricing instructions: Option A

### 1.1 The *conditions of contract*

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

Clause 11 in NEC3 Term Services Contract (TSC), June 2005 (with amendments June 2006 and April 2013) Option A states:

**Identified 11  
and defined  
terms**

11.2 (17) The Price for Services Provided to Date is the total of

- the Price for each lump sum item in the Price List which the *Contractor* has completed and
- where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate.

(19) The Prices are the amounts stated in the Price column of the Price List, where a quantity is stated for an item in the Price List, the Price is calculated by multiplying the quantity by the rate.

### 1.3 Measurement and Payment

1.3.1 The Price List provides the basis of all valuations of the Price for Services Provided to Date, payments in multiple currencies and general progress monitoring.

1.3.2 The amount due at each assessment date is based on activities and/or milestones completed as indicated on the Price List.

1.3.3 **The Price List work breakdown structure is compiled to the satisfaction of the Employer with any additions and/or amendments deemed necessary.**

1.3.4 The *Contractor's* detailed Price List summates back to the activity/milestone provided by the *Employer* and is sufficient detail to monitor completion of activities related to the operations on the Accepted Plan in order that payment of completed activities may be assessed.

1.3.5 The Prices are obtained from the Price List. The Prices includes for all direct and indirect costs, overheads, profits, risks, liabilities, obligations, etc. relative to the contract.

## C2.2 Price List

As per the monitoring program:

**PRICING SCHEDULE FOR SOIL AND GROUND WATER MONITORING AND DRINKING WATER TESTING AT TRANSNET PIPELINES DEPOTS, TERMINALS, AND PUMP STATIONS ON AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.**

**GROUNDWATER AND SOIL SAMPLING AND ANALYSIS (all inclusive costs, including sampling, labour, equipment, consumables, transport, data interpretation and reporting and all activities required to perform the service and submission of the report)**

Facility name	Amount per report (all inclusive activities to generate the report and submission of the report)
Howick Pump Station	
Hillcrest Pump Station	
Durban Pump Station (Fynnlans)	
Mngeni Pump Station	
Newcastle	
Mooi River Pump Station	
Ladysmith Depot	
Van Reenen	
Tarlton	
Langlaagte	
Alrode Depot	
Coalbrook	
Jameson Park Terminal	
Kendal	
Witbank	
Waltloo	
Klerksdorp	
Kroonstad	
Secunda	
Sasolburg	

**GROUNDWATER SAMPLING AND ANALYSIS (all inclusive costs, including sampling, labour, equipment, consumables, transport, data interpretation and reporting and all activities required to perform the service and submission of the report)**

Facility name	Amount per report (all inclusive activities to generate the report and submission of the report)
Howick	
Hillcrest	
Durban	
Mngeni	
Newcastle	
Mooi River	
Ladysmith	
Van Reenen	
Tarlton	
Langlaagte	
Alrode	
Coalbrook	
Jameson Park Terminal	
Kendal	
Witbank	
Waltloo	
Klerksdorp	
Kroonstad	
Secunda	
Sasolburg	

**SOIL SAMPLING AND ANALYSIS (all inclusive costs for sampling, labour, equipment, consumables, transport, data interpretation and reporting and all activities required to perform the service and submission of the report). This is the total cost per year not for a period of the**

Facility name	Amount per report (all inclusive activities to generate the report and submission of the report)
Howick Pump Station	
Hillcrest Pump Station	
Durban Pump Station (Fynnlans)	
Mngeni Pump Station	
Newcastle	
Mooi River Pump Station	
Quagga	
Mnambithi (PS 5)	
Fort Mistake	
Ladysmith Depot	
Van Reenen	
Tarlton	
Langlaagte	
Alrode Depot	

Bethlehem	
Coalbrook	
Jameson Park Terminal	
Kendal	
Witbank	
Waltloo	
Klerksdorp	
Kroonstad	
Secunda	
Sasolburg	
Twini Pump Station	
Rustenburg	
Airport	
Pretoria West	
Island View Terminal	
Meyerton	
Wilge	
Warden	
Duzi Pump Station	
Villiers	
Hilltop (PS 3) Pump Station	
Magdala	
Elardus Park	

**DRINKING WATER SAMPLING AND ANALYSING (all inclusive of costs for labour, equipment, consumables, data gathering, travelling cost and report compilation to perform the service and submission of the report) as per SANS 241: 2015 Drinking Water Standards .**

Facility name	Amount per report (all inclusive activities to generate the report and submission of the report)
Tarlton	
Meyerton	
Wilge	
Warden	
Quagga	
Fort Mistake	
Mnambithi (PS 5)	
Mooi River	
Duzi	
Hilltop (PS 3)	

**Borehole Yield Test up to a maximum of 24 hours duration (all inclusive of costs for labour, equipment, consumables, travelling cost, data gathering and report compilation to perform the service and submission of the report) .**

Facility name	Amount per report (all inclusive activities to generate the report and submission of the report)
Tarlton	
Meyerton	
Wilge	
Warden	
Quagga	
Fort Mistake	
Mnambithi (PS 5)	
Mooi River	
Duzi	
Hilltop (PS 3)	

### As and when required:

PRICING SCHEDULE FOR SOIL AND GROUND WATER MONITORING AND DRINKING WATER TESTING AT TRANSNET PIPELINES DEPOTS, TERMINALS, AND PUMP STATIONS ON AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.			
CATEGORY	DESCRIPTION	UNIT	Amount
<b>1. Monitoring Well Drilling, including Establishing and Construction (all inclusive including labour, monitoring wells installation data or report, equipment and consumables)</b>			
	Drilling rig & support vehicles Establishment	Km	
	Mechanical Drilling 140mm diameter including Construction	Meter	
	Mechanical Drilling 95mm diameter including Construction	Meter	
	Monitoring well depth rate per meter	meter	
	Supply and installation of 110mm OD PVC casing Including filter sand and Bentonite Seal	Meter	
	Supply and installation of 63mm OD PVC Casing filter sand and bentonite seal	Metre	
	Monitoring well manhole cover steel	1	
	GPR scanning (underground services detection)	Per site	
<b>2. GROUNDWATER SAMPLING AND ANALYSIS (all inclusive costs, including labour, equipment and consumables)</b>			
	Screening for GRO, DRO, PAHs	Per variable	
	BTEXMN	Per variable	
	C7-C9; C10-C14; and C15-C36	Per variable	
	Banded TPHS C10-C14	Per variable	
	VOCs	Per variable	
	SVOCs	Per variable	
	JET Fuel/AVGAS	Per variable	
	TOG	Per variable	
	Total Organic Carbon	Per variable	
	Fingerprinting of Free phase	Per variable	
<b>3. DRINKING WATER SAMPLING AND ANALYSING (all inclusive costs, including labour, equipment and consumables) as per SANS 241: 2015 Drinking Water Standards</b>			
<b>PHYSICAL - WATER QUALITY</b>	pH	Per variable	
	Colour	Per variable	
	Turbidity	Per variable	
	Conductivity	Per variable	
	Chemical Oxygen Demand	Per variable	
<b>MACRO CHEMICAL - DETERMINANDS</b>	Calcium as Ca	Per variable	
	Chloride as Cl	Per variable	
	Fluoride as F	Per variable	
	Magnesium as Mg	Per variable	
	Nitrate / Nitrite as N	Per variable	
	Sodium as Na	Per variable	

	Sulphate as SO <sub>4</sub>	Per variable	
	Total Alkalinity as CaCO <sub>3</sub>	Per variable	
	Total Hardness as CaCO <sub>3</sub>	Per variable	
<b>MICRO CHEMICAL - DETERMINANDS</b>	Copper as Cu	Per variable	
	Lead as Pb	Per variable	
	Iron as Fe	Per variable	
	Manganese as Mn	Per variable	
<b>MICROBIOLOGICAL - DETERMINANDS</b>	E. Coli	Per variable	
	Total Coliforms	Per variable	
<b>4. SOIL SAMPLING AND ANALYSING (all inclusive costs, including labour, equipment and consumables)- including soil screening values 1 and 2 as per Contaminated Land Regulations (all land uses protective of the water resource; informal residential; standard residential; and commercial/ industrial)</b>			
<b>Metals and Metalloids</b>	Cadmium- mg/kg	Per variable	
	Chromium (III)- mg/kg	Per variable	
	Chromium (IV)- mg/kg	Per variable	
	Cobalt- mg/kg	Per variable	
	Copper- mg/kg	Per variable	
	Lead- mg/kg	Per variable	
	Manganese- mg/kg	Per variable	
	Mercury- mg/kg	Per variable	
	Nickel- mg/kg	Per variable	
	Vanadium- mg/kg	Per variable	
	Arsenic	Per variable	
	Zinc- mg/kg	Per variable	
<b>Alkanes</b>	C7-C9- mg/kg	Per variable	
	C10-C14- mg/kg	Per variable	
	C15-C36- mg/kg	Per variable	
<b>Monocyclic Aromatic Hydrocarbons</b>	Benzene- mg/kg	Per variable	
	Toluene- mg/kg	Per variable	
	Ethylbenzene- mg/kg	Per variable	
	Xylenes- mg/kg	Per variable	
<b>Aromatics</b>	Naphthalene- mg/kg	Per variable	
	Pyrene- mg/kg	Per variable	
	Benzo(a)pyrene	Per variable	
<b>Petroleum additives</b>	MTBE- mg/kg	Per variable	
<b>Organics</b>	Carbon Tetrachloride- mg/kg	Per variable	
	Chlorobenzene- mg/kg	Per variable	
	Chloroform- mg/kg	Per variable	
	2 Chlorophenol- mg/kg	Per variable	
	1,2 Dichlorobenzene- mg/kg	Per variable	
	1,4 Dichlorobenzene- mg/kg	Per variable	
	1,2 Dichloroethane- mg/kg	Per variable	
	1,1 Dichloroethene- mg/kg	Per variable	

	1,2 Dichloroethene- mg/kg	Per variable	
	Trichlorobenzenes (total)- mg/kg	Per variable	
	Nitrobenzene- mg/kg	Per variable	
	1,1,2,2 Tetrachoroethane- mg/kg	Per variable	
	Trichloroethene	Per variable	
	2,4,6 Trichlorophenol- mg/kg	Per variable	
	Vinyl Chloride- mg/kg	Per variable	
	PCBs- mg/kg	Per variable	
	Cynide- mg/kg	Per variable	
<b>Anions</b>	Cholrides- mg/kg	Per variable	
	Fluorides- mg/kg	Per variable	
	Nitrates-nitrite- mg/kg	Per variable	
	Sulphates- mg/kg	Per variable	
<b>Other</b>	JET Fuel/AVGAS	Per variable	
	TOG	Per variable	

**5. DATA INTERPRETATION AND REPORTING (All inclusive cost of activities required to compile the report which is man hours for review of the existing report and data interpretation of information gathered onsite and compile a report)**

Data Interpretation & Reporting Per Monitoring Event and electronic submission of the report	Ground water and soil monitoring report (a combination of groundwater and soil in one report)	Per report	
Data Interpretation & Reporting Per Monitoring Event and electronic submission of the report	Ground water monitoring report	Per report	
Data Interpretation & Reporting Per Monitoring Event and electronic submission of the report	Soil monitoring report	Per report	
Data Interpretation & Reporting Per Monitoring Event and electronic submission of the report	Drinking water quality monitoring report	Per report	

**6. BOREHOLE YIELD TEST AND REPORTING: ( All inclusive cost of activities required such as man hours for data gathering regarding the existing borehole design, construction, depth, water level and to conduct the actual yield test onsite)**

Borehole Yield Test max 8 hours duration	Per BH	
Borehole Yield Test > 8 Hrs up to max 16 Hrs duration.	Per BH	
Borehole Yield Test > 16 Hrs up to max 24 Hrs duration.	Per BH	
Data interpretation and report compilation	Per Site	
<b>SUNDRIES</b>		
Accommodation	Person / Day	
Compile SHEQ & Quality Plan File	Per safety file	

**Note for safety file: There will be one safety file for the project for the duration of contract (once-off safety file) and there will be another safety file for a drilling company (once-off, unless if there is a change of the drilling company).**



TRAVELLING COST			
Traveling cost (Light duty vehicle)	Rate per km	km	