

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:

Monitoring Well Drilling, including Establishing and Construction (all inclusive including labour, equipment, consumables and transport and report writing when required)		Frequency
Facility name	Amount	
Airport		Once off drilling
Rustenburg		Once off drilling
Island View Terminal		Once off drilling
Meyerton		Once off drilling
Wilge		Once off drilling
Warden		Once off drilling
Duzi		Once off drilling
Villiers		Once off drilling
Magdala		Once off drilling
TWINI		Once off drilling
Quagga		Once off drilling
Hilltop (PS 3)		Once off drilling

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)		Frequency of monitoring per year
Facility name	Amount	
Howick		Bi-annual
Hillcrest		Bi-annual
Durban		Bi-annual
Alverstone		Bi-annual
Mngeni		Bi-annual
Newcastle		Annually
Mooi River		Annually
Quagga		Annually
Mnambithi (PS 5)		Annually
Island View Terminal		Annually
Fort Mistake		Annually
Ladysmith		Annually
Van Reenen		Annually
Tarlton		Quarterly
Langlaagte		Bi-annual
Alrode		Bi-annual
Bethlehem		Once off
Coalbrook		Quarterly
Tarlton		Quarterly
Jameson Park Terminal		Quarterly

Kendal		Bi-Annual
Witbank		Bi-annual
Waltloo		Bi- annual
Klerksdorp		Quarterly
Kroonstad		Quarterly
Secunda		Bi-annual
Sasolburg		Quarterly
Rustenburg		Quarterly
Airport		Annually
Pretoria West		As and when required (can be annual)
Airport		Bi-annual
Rustenburg		Bi-annual
Island View Terminal		Quarterly
Meyerton		Bi-annual
Wilge		Bi-annual
Warden		Bi-annual
Duzi		Bi-annual
Villiers		Bi-annual
Magdala		Bi-annual
TWINI		Bi-annual
Hilltop (PS 3)		Bi-annual

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)		Frequency of monitoring per year
Facility name	Amount	
Howick		Bi-annual
Hillcrest		Bi-annual
Durban		Bi-annual
Alverstone		Bi-annual
Mngeni		Bi-annual
Newcastle		Annually
Mooi River		Annually
Quagga		Annually
Mnambithi (PS 5)		Annually
Terminal 1		Annually
Fort Mistake		Annually
Ladysmith		Annually
Van Reenen		Annually
Tarlton		Quarterly
Langlaagte		Bi-annual
Alrode		Bi-annual
Bethlehem		Once off

Coalbrook		Quarterly
Tarlton		Quarterly
Jameson Park Terminal		Quarterly
Kendal		Bi-Annual
Witbank		Bi-annual
Waltloo		Bi- annual
Klerksdorp		Quarterly
Kroonstad		Quarterly
Secunda		Bi-annual
Sasolburg		Quarterly
Rustenburg		Quarterly
Airport		Annually
Pretoria West		As and when required (can be annual)
Airport		Bi-annual
Rustenburg		Bi-annual
Island View Terminal		Quarterly
Meyerton		Bi-annual
Wilge		Bi-annual
Warden		Bi-annual
Duzi		Bi-annual
Villiers		Bi-annual
Magdala		Bi-annual
TWINI		Bi-annual
Hilltop (PS 3)		Bi-annual

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)		Frequency of monitoring per year
Facility name	Amount	
Howick		Bi-annual
Hillcrest		Bi-annual
Durban		Bi-annual
Alverstone		Bi-annual
Mngeni		Bi-annual
Newcastle		Annually
Mooi River		Annually
Quagga		Annually
Mnambithi (PS 5)		Annually
Terminal 1		Annually
Fort Mistake		Annually
Ladysmith		Annually
Van Reenen		Annually
Tarlton		Quarterly
Langlaagte		Bi-annual

Alrode		Bi-annual
Bethlehem		Once off
Coalbrook		Quarterly
Tarlton		Quarterly
Jameson Park Terminal		Quarterly
Kendal		Bi-Annual
Witbank		Bi-annual
Waltloo		Bi- annual
Klerksdorp		Quarterly
Kroonstad		Quarterly
Secunda		Bi-annual
Sasolburg		Quarterly
Rustenburg		Quarterly
Airport		Annually
Pretoria West		As and when required (can be annual)
Airport		Bi-annual
Rustenburg		Bi-annual
Island View Terminal		Quarterly
Meyerton		Bi-annual
Wilge		Bi-annual
Warden		Bi-annual
Duzi		Bi-annual
Villiers		Bi-annual
Magdala		Bi-annual
TWINI		Bi-annual
Hilltop (PS 3)		Bi-annual

DRINKING WATER SAMPLING AND ANALYSING (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) as per SANS 241: 2015 Drinking Water Standards		Frequency of monitoring per year
Facility name	Amount	
Tarlton		Annually
Meyerton		Annually
Wilge		Annually
Warden		Annually
Quagga		Annually
Fort Mistake		Annually
Mnambithi (PS 5)		Annually
Mooi River		Annually
Duzi		Annually
Hilltop (PS 3)		Annually

Borehole Yield Test up to a maximum of 24 hours duration (all inclusive costs, including, labour, equipment, consumables, transport, data interpretation and reporting and all activities required to perform the service and submission of the report)		Frequency of monitoring per year
Facility name	Amount	
Tarlton		Annually
Meyerton		Annually
Wilge		Annually
Warden		Annually
Quagga		Annually
Fort Mistake		Annually
Mnambithi (PS 5)		Annually
Mooi River		Annually
Duzi		Annually
Hilltop (PS 3)		Annually

As and when required:

CATEGORY	DESCRIPTION	UNIT	Amount
Monitoring Well Drilling, including Establishing and Construction (all inclusive including labour, equipment and consumables)			
	Drilling rig & support vehicles Establishment	Km	
	Mechanical Drilling 140mm including Construction	Meter	
	Mechanical Drilling 95mm including Construction	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	
	Galvanised Standpipe & Marker Post installed	Number	
GROUNDWATER SAMPLING AND ANALYSIS (all inclusive costs, including labour, equipment and consumables)			
	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	
DRINKING WATER SAMPLING AND ANALYSING (all inclusive costs, including labour, equipment and consumables) as per SANS 241: 2015 Drinking Water Standards			
PHYSICAL - WATER QUALITY	pH	Per variable	
	Colour	Per variable	
	Turbidity	Per variable	
	Conductivity	Per variable	
	Chemical Oxygen Demand	Per variable	
MACRO CHEMICAL - DETERMINANDS	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 SO4	Per variable	
	Total Alkalinity as CaCO3	Per variable	
	Total Hardness as CaCO3	Per variable	
MICRO CHEMICAL - DETERMINANDS	Copper as Cu	Per variable	
	Lead as Pb	Per variable	
	Iron as Fe	Per variable	
	Manganese as Mn	Per variable	
MICROBIOLOGICAL - DETERMINANDS	E. Coli	Per variable	
	Total Coliforms	Per variable	
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)			
Metals ans	Cadmium- mg/kg	Per variable	

Metalloids			
	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	
Alkanes	C7-C9- mg/kg	Per variable	
	C10-C14- mg/kg	Per variable	
	C15-C36- mg/kg	Per variable	
Monocyclic Aromatic Hydrocarbons	Benzene- mg/kg	Per variable	
	Toluene- mg/kg	Per variable	
	Ethylbenzene- mg/kg	Per variable	
	Xylenes- mg/kg	Per variable	
Aromatics	Naphalene- mg/kg	Per variable	
	Pyrene- mg/kg	Per variable	
	Benzo(a)pyrene	Per variable	
Petroleum additives	MTBE- mg/kg	Per variable	
Organics	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 Tetrachloroethane- 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	
Anions	Chlorides- mg/kg	Per variable	
	Fluorides- mg/kg	Per variable	
	Nitrates-nitrite- mg/kg	Per variable	
	Sulphates- mg/kg	Per variable	
Other	JET Fuel/AVGAS	Per variable	
	TOG	Per variable	
DATA INTERPRETATION AND REPORTING (All inclusive cost of activities required to produce the report including man hours)			
Data Interpretation & Reporting Per Monitoring Event and 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 submission of the report	Ground water monitoring report	Per report	
Data Interpretation & Reporting Per Monitoring Event and submission of the report	Soil monitoring report	Per report	
Data Interpretation & Reporting Per Monitoring Event and submission of the report	Drinking water quality monitoring report	Per report	
SUNDRIES			
Accommodation		Person / Day	
OTHER ACTIVITIES			
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	
Borehole Yield Test > 24 Hrs up to max 36 Hrs duration.		Per BH	
Borehole Yield Test report writing		Event	
Contract SHEQ & Quality Plan File		Per File	
VEHICLE			
Vehicle	Light Duty Vehicle	km	