PART C2: PRICING DATA

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C2.1 Pricing Instruction: Option A

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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 and defined terms 11

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 provided by the *Contractor* is based on the activity/milestone 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. T**he 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

Item no	Description	Unit	Quantity	Rate	Price
1.	**PLELIMINARY AND GENERAL**				
1.1	Site supervision staff	Sum	1		
1.2	Provision of site-specific PPE	Sum	1		
1.3	Establish facilities on site for contractor	Sum	1		
1.4	De-establish facilities on completion	Sum	1		
1.5	Safety file	Sum	1		
2.	**TANK FOUNDATION**				
2.1	Install a new coat of asphalt or bitumen mixture between the foundation ring and the bottom plates.	m	24		
2.2	Install water proofing membrane (denzo membrane) around entire circumference of tank.	m	24		
2.3	Install two grounding lugs as per API 650, section 5.8.11.3.	each	2		
2.4	Remove the existing two tank bottoms and install a new bottom plate as per API 650 in consultation with an experienced storage tank engineer.	m²	43		
3.	**TANK ROOF**				
3.1	Close the tell-tale holes on the nozzle reinforcement plates by weld deposition.	sum	1		
3.2	Prepare and wire brush and paint tank roof nozzles using a primer and silver metal paint (apply 2 coats).	m²	30		
3.3	Supply and install a vent coupled with a dip hatch complete with a cap. Equip the vent with a screen mesh that complies with API 650. See figure 4 for reference.	sum	1		

4	**TANK SHELL**				
4.1	Sandblast the entire external tank shell.	m²	323		
4.2	Prepare and wire brush corroded area on tank shell.	m²	40		
4.3	Apply primer where there is bare steel and apply two coats of silver metal paint on the entire tank.	m²	323		
4.4	Install a tank data name plate that complies with API 650 and API 653. See figure 1 for reference.	Sum	1		
4.5	Provide tank labelling that will include tank capacity and inspection dates. See figure 2 for reference.	sum	1		
4.6	Provide labelling for inlet, outlet, and drain.	sum	1		
4.7	Coat internal first shell course with epoxy.	m²	119		
4.8	Install a davit arm on the tank manway.	each	1		
5	**TANK APPURTENANCES**				
5.1	Install symbolic safety signs that comply to national standards (SANS 1186-1). See figure 3 as reference.	Sum	1		
5.2	Remove plug in the tell-tale hole of the tank shell manhole reinforcing plates.	Sum	1		
5.3	Replace the 2-inch drain valve with a new 2-inch drain valve, together with the associated bolts, nuts, washers (M16) and gaskets (spiral wound) that complies with API 653. The newly installed drain valve must have a lockable mechanism.	sum	1		
5.4	Replace both manhole's (top and bottom) graphite gasket with new ones together with the associated bolts, nuts, and washers (M20).	sum	2		

5.5	Replace the inlet and outlet 4-inch ball valves with new ones together with the associated bolts, nuts, washers (M16) and gaskets (spiral wound). The new valves must have removable handles and be lockable.	Sum	2		
5.6	Decommission and uninstall the varec gauge system.	sum	1		
5.7	Install welded thermal relief system with isolation valves around tank inlet and outlet valves. Supply, calibrate and Install a TRV set at 350 KPa, refer to figure 4 for the installation.	sum	1		
6	**HANDRAILS, PLATFORMS AND ACCESS STAIRWAY**				
6.1	Increase the height of the roof rail guard to be 1.07m in total.	Sum	1		
6.2	Prepare and wire brush corroded areas on the spiral staircase. Apply primer where there is bare steel and apply two coats of silver metal paint or similar.	Sum	1		
7	**GENERAL**				
7.1	Calibrate tank and provide calibration chart.	Each	1		
7.2	Conduct Positive Material Identification (PMI) test before welding to determine material of construction.	Sum	1		
7.3	Appoint Approved Inspection Authority (AIA) inspector to inspect all welds and provide report.	Sum	1		
7.4	Perform Non-Destructive Testing new welds and provide results prior commissioning of the line. Issue the report/certificates for the new welds.	Sum	1		
7.5	Paint all piping according to the Transnet paint spec.	Sum	1		
7.6	Conduct hydrostatic test prior to commissioning.	Sum	1		
7.7	Commission the system and hand over the production.	Sum	1		

	Sub total				
	Total excl. Vat				
	Vat @ 15%				
	Grand total incl. Vat				
	Due total				