



## PART C2: PRICING DATA

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## **C2.1 Pricing assumptions: Option A**

### **C2.1.1 Pricing Instructions**

- 1) The Consultant shall be paid under Option (Priced Contract with activity schedule) for services performed.
- 2) The staff rates are the prices charged for staff and shall include for all the costs to the Consultant, including basic salary, any additional payments or benefits and social costs, overhead charges incurred as part of normal business operations including the cost of management, as well as payments to administrative, clerical and secretarial staff used to support professional and technical staff in general and not on a specific project only.
- 3) The total annual cost of employment of a person is the total amount borne by the Consultant in respect of the employment of such a person per year, calculated at the amounts applicable to such a person at the time when the services are rendered, including basic salary, or a nominal market related salary, fringe benefits not reflected in the basic salary, including normal annual bonus; Employer's contribution to medical aid; group life insurance premiums borne by the Consultant; the Consultant's contribution to a pension or provident fund; and all other benefits or allowances payable in terms of a letter of appointment, including any transportation allowance or company vehicle benefits, telephone and / or computer allowances, etc; and amounts payable in terms of an Act.
- 4) The hourly rates for salaried professional or technical staff (staff rate category 4 in Pricing Schedule) shall not exceed that payable professionally qualified responsible for carrying out the service (staff rate category 3 in Pricing Schedule).
- 5) The hourly rates for salaried staff include all protective clothing and all standard equipment.
- 6) The staff rate for casual labour shall include the provision of all protective clothing.
- 7) Payment to a director or member not providing strategic guidance in planning and executing a project or performing quality management checks shall be paid under another relevant category.
- 8) The staff rates derived from the Pricing Schedule exclude value added tax.
- 9) The staff rates for categories 1 to 5 when staff travelling more than 1,5 hours from their normal place to or from a job site (or vice versa) shall be reduced.

### C2.1.2 Expenses

- 1) A subsistence allowance is an amount intended to cover incidental costs incurred by reason of living away from home, such as the cost of meals, liquid refreshments, phone calls, internet access, laundry and job-related out of pocket expenses that are not paid for in terms of the contract.
- 2) A subsistence allowance may only be claimed in respect of each night that a staff member is away from home.
- 3) Travel expenses may only be claimed in respect of the cost of transportation of the Consultant's staff from their usual place of business to the job-site and return from the job-site to Consultant's usual place of business.
- 4) The transportation and accommodation costs and costs for excavation of test pits, boreholes, drilling, testing and sampling and making good, shall be multiplied by a factor to compensate the Consultant for any unrecovered costs associated with these items.
- 5) All air travel shall be in economy class on a scheduled airline.
- 6) Accommodation means a
  - a) bed and breakfast;
  - b) guest house;
  - c) self-catering; or
  - d) hotel having a star rating of 1, 2 or 3 as defined by the Tourism Grading Council of South Africa (see [www.tourismgrading.co.za](http://www.tourismgrading.co.za)).

**Note:** A lodge, country house or 4 star or higher star rated hotel is not accommodation. Any stay in such a facility cannot be claimed as an expense.

- 7) Breakfast not included in accommodation is not an expense as it falls under the subsistence allowance.
- 8) A hired car means a motor vehicle having an engine capacity of not more than 1600cc.

**Note:** A hired car having an engine capacity greater than 1600cc is not a hired car and cannot be claimed as an expense.



## C2.2 Pricing Schedule

The *staff rates* are:

Category		Basis of <i>staff rate</i> , excluding VAT	Applicable parameter
1	Director or member providing strategic guidance in planning and executing a project and performing quality management checks.	Rate per hour Rand	R \ hour
2	Professionals who provide advice at a level of specialization where such advice is recognized as that of an expert		R \ hour
3	Professionally qualified staff, with adequate expertise and relevant experience, who carry direct professional responsibility for one or more specific activities related to a project.		R \ hour
4	Salaried technical staff with adequate expertise and relevant experience performing work with direction and control provided by any person contemplated in categories 1, 2 or 3.	Cents per hour for every R100 total annual cost of employment	c/hr/R100
5	Casual labour employed on a daily basis	Factor times daily market related wage	Factor =

**The expenses are:**

Category		Basis of expense, excluding VAT	Applicable parameter
1	Subsistence allowance	Amount per day	%
2	Factor applied to costs for the excavation of test pits, boreholes, drilling, testing and sampling and making good.	Factor times cost	Factor =
3	Factor applied to transportation costs and accommodation	Factor times cost	Factor =
4 Private car or MPV			
4.1	Engine capacity less than or equal to 1600 cc	Cost per km in Rands	R /km
4.2	Engine capacity greater than 1600 cc		R /km
5 Pick up vans and bakkies			
5.1	Engine capacity less than or equal to 1600 cc	Cost per km in Rands	R /km
5.2	Engine capacity greater than 1600 cc		R /km

**C2.3 Activity Schedule**

The *Employer's* Activity Schedule is listed below and is a summation of the Tenderers Schedule. The Tenderer can make reference to his Activity Schedule and attaches it to this schedule.

The details given below serve as guidelines only and the Tenderer may expand the description of the activities to suit his particular methods within the line item in the Schedule. This will assist the employer with comparison of the pricing, for each of the tasks.



Item	Activity Description	Unit	Quantity	Amount
<b>1.</b>	<b>ENGINEERING</b>			
<b>1.1</b>	<i>The Consultant shall produce prefeasibility design reports, drawings, study reports, schedules, cost estimates, constructability sequencing, risks and assumptions associated with the <del>development of the Entrance Channel Expansion.</del> Entrance Channel Widening and Widening and Deepening, Island View Basin, Pier 1 Container Terminal, Infill DCT Basin and New Maydon Wharf Container Terminal.</i>			
1.1.1	Review existing study reports	Sum		
1.1.2	Provision of project management services to coordinate the various initiatives listed in the scope	Sum		
1.1.3	Present to employer the current Operating Philosophy for vessel for the Port of Durban with gap analysis.	Sum		
1.1.4	Present the engineering design model options.	Sum		
1.1.5	Identify options for each initiative listed in the scope.	Sum		
1.1.6	Produce plot plans for the proposals.	Sum		
1.1.7	Provision of a cost estimate for each option in each initiative listed in the scope.	Sum		
1.1.8	Generation of engineering and design of works to a pre-feasibility level of design (as per Transnet's PLP) for each of the initiatives listed in the scope.	Sum		
1.1.9	Conduct a multi-criteria analysis for each initiative to identify best suitable option.	Sum		
1.1.10	<del>Present desktop modelling wave action/loading survey results.</del>	Sum		



1.1.11	Navigational full bridge simulation for the final selected option. Should the full bridge simulation be undertaken outside South Africa, the bidder must make allowance for 4 TNPA representative.	Sum		
1.1.12	Present a concept design for the expansion of the entrance channel, breakwaters, and sand trap, with consideration given to the reclamation and reuse of existing armor units.	Sum		
1.1.13	Presenting of special study outcomes	Sum		
1.1.14	Presenting detailed constructability plan to keep the entrance channel operational and other port operation.	Sum		
1.1.15	<del>Production of artistic impression for each initiative listed in the scope.</del>	Sum		
1.1.16	Presenting engineering design and reports. PLP Gate Review Reports.	Sum		
1.1.17	Compilation of the project estimate per initiative including the related Bill of Quantities (BOQs)	Sum		
1.1.18	Finalise Reports and Approve for all projects	Sum		
1.1.19	Gate Review	Sum		
<b>SUB TOTAL</b>				
<b>2</b>	<b>OTHER DELIVERABLE AND SPECIALIST STUDIES</b>			
2.1	Sea Level impact study	Sum		
2.2	Vessel Mooring Study	Sum		
2.3	Review historical Geotechnical investigation and conduct desk top geotechnical studies.	Sum		
2.4	Survey report	Sum		



2.5	Environmental Specialist studies as identified during the screening phase as per Transnet PLP concept and pre-feasibility stages guideline.	Sum		
2.6	Nautical studies	Sum		
2.7	Numerical Modelling	Sum		
2.8	3-D Rendered Drawings	Sum		
2.9	Sediment transport study	Sum		
2.10	Evaluate existing e-navigation technologies	Sum		
2.11	Vessel traffic study	Sum		
2.12	Develop risk management plan for each initiative.	Sum		
2.13	Identify project, operational and business risk and compile a risk register for each initiative.	Sum		
2.14	Hazop Study	Sum		
2.15	Provide project management services to coordinate initiatives listed in the scope of work.	Sum		
2.16	Skills development and transfer to TNPA employees	Sum		
<b>3</b>	<b>Disbursements</b>			
3.1	Travel	Sum		
3.2	Accommodation	Sum		
3.3	Administration (Printing, stationery, etc.)	Sum		
<b>SUB TOTAL</b>				
<b>PLUS 15% VAT</b>				
<b>GRAND TOTAL</b>				





The Consultant to provide the list of resources and hourly rates:

4	RESOURCE	RATE
4.1		
4.2		
4.3		
4.4		
4.5		
4.6		
4.7		
4.8		
4.9		
4.10		