



public works
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Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

ADDENDUM FOR TENDER NO: PLK23/18

**TENDER DESCRIPTION: THOHOYANDOU HIGH
COURT: SITE CLEARANCE AND
INFRASTRUCTURE FOR MOBILE UNITS:
PROVISION FOR CONCRETE SLABS,
CONNECTION OF ELECTRICAL SUPPLY CABLES
AND PLUMBING SERVICES FOR TWO MOBILE
OFFICES, STORAGE CONTAINER AND MOBILE
ABLUTION FACILITY**

**KINDLY NOTE THAT THE FONT SIZE OF THE
BILL OF QUANTITIES HAS BEEN AMENDED**

**THE CLOSING DATE FOR THE TENDER IS STILL
10 OCTOBER 2023 at 11:00.**

**NB: DPWI POLOKWANE REGIONAL OFFICE
APOLOGISES FOR ANY INCONVENIENCE
CAUSED.**



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Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

H COURT: SITE CLEARANCE AND INFRASTRUCTURE FOR MOBILE UNITS

BILL NO. 1 PRELIMINARY & GENERAL

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
1		BILL NO. 1				
1.1.	SANS 1200A	PRELIMINARIES & GENERAL				
1.1.1	8.3	FIXED-CHARGE ITEMS				
1.1.2	8.3.1	1. Contractual requirements	Sum	1		
1.1.3	8.3.2	2. Establishment of facilities on the site:				
1.1.4		1) Facilities for the Engineer				
1.1.5		a. Name Boards as shown on detailed drawings	Sum	2		
1.1.6		b. Engineer's Office and parking facilities	Sum	1		
1.1.7		c. Latrine facilities	Sum	2		
1.1.8		2) Facilities for the Contractor				
1.1.9		a. Offices and storage sheds	Sum	1		
		b. Workshops	Sum	1		
		c. Ablution and latrine facilities	Sum	1		
		d. Tools and equipment	Sum	1		
		e. Water supplies and electric power and communications	Sum	1		
		f. Dealing with water	Sum	1		
		g. Access	Sum	1		
		h. Security of works	Sum	1		
		i. Notices & warnings to customers	Sum	1		
	8.3.3	Other fixed-charge obligations	Sum	1		
	8.3.4	Removal of site establishment	Sum	1		
TOTAL CARRIED FORWARD						-

BROUGHT FORWARD						-
1.2.	8.4	TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual requirements	Sum	1		
1.2.2	8.4.2	Operation and maintenance of facilities on site for the duration of construction				
1.2.2.1		1) Facilities for the Engineer for construction duration				
		a. Name Boards as shown on detailed drawings	Sum	2		
		b. Engineer's Office and parking facilities	Sum	1		
		c. Latrine facilities	Sum	2		
1.2.2.2	8.4.2.2	2) Facilities for Contractor for construction duration, except where otherwise stated				
		a. Offices and storage sheds	Sum	1		
		b. Workshops	Sum	1		
		c. Ablution and latrine facilities	Sum	1		
		d. Tools and equipment	Sum	1		
		e. Water supplies and electric power and communications	Sum	1		
		f. Dealing with water	Sum	1		
		g. Access	Sum	1		
		h. Plant	Sum	1		
		i. Road signs	Sum	1		
1.2.3	8.4.3	Supervision for the duration of construction	Sum	1		
1.2.4	8.4.4	Company and head office overhead costs for the duration of the Contract	Sum	1		
1.2.5	8.4.5	Other time-related obligations	Sum	1		
	8.5	Sums stated provisional by Engineer				
TOTAL CARRIED FORWARD						-

				BROUGHT FORWARD		-
1.2.6		Allow for compliance with all aspects of the OH&S Spec including: risk assessment; provision of the safety plan; appointment of safety officer; safety training (induction) of workforce and notification(s) to the Department of Labour	Sum	1		
1.2.7		Allow for compliance with all aspects of the Environment Management Plan <u>Note:</u> The gross sum of items 8.3 and 8.4, as per SANS 1200 A, may not exceed 15% of the total contract amount excl contingencies and VAT. Should the combined total tendered for items 8.3 and 8.4 exceed 15% of the tender sum (excluding contingencies and VAT), the tenderer shall state his reasons in writing for tendering in this manner.	Sum	1		
1.3.	8,5	DAY WORKS For work to be done by employer or nominated subcontractor or agency				
1.3.1		1) Topographical Survey a. Trigonometrical Survey and plot boundary pegs - locate: Survey to be done by contractor and/or nominated sub-contractor during site establishment on site b. Overheads, charges and profit on (a) above	Sum %			
1.3.2		2) Training of Workers a. Training allowance paid to targeted labour in terms of formal training b. Overheads, charges and profit on (a) above	Sum %			
1.3.3		c. Transportation and communication of workers for training where it is not possible to undertake the training in close proximity to the site d. Overheads, charges and profit on (c) above	Sum %			
1.3.4		e. Provision of overalls for workers with EPWP logo f. Overheads, charges and profit on (c) above	Sum %			-
TOTAL CARRIED FORWARD						

BROUGHT FORWARD						-
1.3.5	3) Relocation of services					
	a. Relocation of essential services to be done by administering authority if required	Sum				-
	b. Overheads, charges and profit on (a) above	%				
1.3.6	4) Connections to services					
	a. Alterations and connections to Municipal Services and repair of damage to services where approved by the Engineer	Sum				-
	b. Overheads, charges and profit on (a) above	%				
1.3.7	5) Community Liaison Officer					
	a. Allow for work done by community liaison officer	Month				-
	b. Overheads, charges and profit on (a) above	%				
	c. Reimbursement of 12 PSC members for attending project meetings	Month				-
	d. Overheads, charges and profit on (c) above	%				
1.3.8	6) Engineers Accommodation					
	a. Accommodation for the Engineer's Representative	Month				Rate Only
	b. Overheads, charges and profit on (a) above	%				Rate Only
1.3.9	7) Telecommunication					
	a. Cellphone for the Engineer	Month				Rate Only
	b. Overheads, charges and profit on (a) above	%				Rate Only
1.3.10	8) Traffic Accommodation					
	a. Dealing with traffic	Sum				-
	b. Overheads, charges and profit on (a) above	%				
1.3.11	9) Existing Services					
	a. Protection of services	Sum				-
	b. Overheads, charges and profit on (a) above	%				
1.3.12	10) Social Facilitation					
	a. Provision for Social Facilitation Consultant	Sum				-
	b. Overheads, charges and profit on (a) above	%				
TOTAL CARRIED FORWARD TO SUMMARY						-



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: SITE CLEARANCE AND INFRASTRUCTURE FOR MOBILE UNITS

BILL NO.2

CIVIL WORKS

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
2.		BILL NO. 2: CIVIL WORKS				
		PREAMBLES				
		For Preambles see "(PW371 - A)" Edition 2.0 is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities and be referred to for full description of work to be done and materials to be used.				
		The document "Construction Works: Specifications: Particular Specification (PW371 - B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities.				
		SUPPLEMENTARY PREAMBLES				
		NATURE OF WORK				
		Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders for any items not specifically mentioned which they may deem necessary for the proper completion of the work. Tenderers are advised that the existing buildings will not be in occupation during the progress of the work but that nearby new buildings will be in occupation and due allowance must be made for the work being carried out at such times and in such a manner as will least interfere with the routine of the occupants and as may be directed by the architect.				
		DIMENSIONS				
		The contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct sizes.				
		ELECTRIC WORKS, PIPES, ETC				
		Special care is to be taken not to interfere unnecessarily with any electric light, power or telephone wires and fittings that may be met with, and notice is to be given to the architect when any disconnections or removal of wires, etc. are necessary, and the Contractor is to effect every facility to the Electricians carrying out this workAny water supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the architect, to whom due notice must be given of any alterations to the existing services.				
		PROTECTION				
		In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc. from damage during the progress of the work and provide all necessary materials for so doing. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.				

		MATERIAL, ETC				
		The materials to be used and work to be done are to be similar in all respects to that described for new work insofar as they concur. All work in making good is to be properly jointed to the existing				
2.1.		SITE CLEARANCE				
2.1.1.		Clear and grub the site	m ²	500	R	-
2.1.2.		Take down and re-erect existing fence	m	50	R	-
2.1.3.		Removal of top soil	m ³	75	R	-
2.2.		INVESTGATIONS				
2.2.1.		a) Geotechnical investigation	Item	1	R	-
2.3.	SANS 1200D	EARTHWORKS				
2.3.1.		Cut and borrow to backfill (not exceeding 1.5m),Compacted to 90% MOD AASHTO ,including free-haul up to 0.5km	m ³	177	R	-
2.3.2.	8.3.3.	Restricted excavations:				
		a) Excavate for restricted foundations, footings and pipe trenches in all materials and use for backfill or embankment or disposal	m ³		Rate Only	
		b) Extra-over for:				
		1) intermediate excavation	m ³		Rate Only	
		2) hard excavation	m ³		Rate Only	
		3) boulder excavation, class A	m ³		Rate Only	
		4) boulder excavation, class B	m ³		Rate Only	
2.3.3.		Extra over cutting; not exceeding 1.5m				
		a) Soft Excavation and store to stockpile	m ³	1	R	-
		b) Intermediate Excavation and store to stockpile	m ³	1	R	-
		c) Hard Excavation and store to stockpile	m ³	1	R	-
2.3.4.		Borrow from stockpile to backfill and compact to 90% MOD AASHTO for platform	m ³	10	R	-
2.3.5.	8.3.4.	Import material from borrow pit to backfill;Compacted to 93% MOD ASSHTO up to thickness of 150mm after each layer for retaining wall	m ³	50	R	-
2.3.6.		Rip and recompact insitu material to 93% MOD AASHTO for paving and open channel structures (v-drain and chutes)	m ²	210,8	R	-
2.3.7.		Carting away surplus excavation material;Extra over all excavations for carting away	m ³	5	R	-
2.4.		STORMWATER				
2.4.1.		25Mpa insitu cast concrete v-drain with Mesh ref: 193	m ³	5	R	-
2.4.2.		Precast 150mmx75mm Figure 3 kerb beam	m	90	R	-
2.4.3.		25Mpa insitu cast; concrete down chutes	m ³	1,2	R	-
2.4.4.		Velocity breaker (concrete down chutes segments)	m ³	2	R	-
2.5.		PAVING LAYERWORKS				
2.5.1.		Imported G5 gravel material in compacted layer thickness of 150 mm Compacted to 95% of Modified AASHTO density	m ³	35	R	-
2.5.2.		60mm Concrete block paving (25 MPa, interlocking with 25 mm bedding sand)	m ²	210,8	R	-
2.5.3.		Herbicide and ant poison on all layers	Sum.	1	R	-
2.6.		DRAIN AND SEWER CONNECTIONS				
2.6.1.		110mm uPVC pipe diameter mobile sanitary facility connection	m	50	R	-
2.6.2.		uPVC pipe (110mm) inclusive of testing	m	100	R	-
TOTAL CARRIED FORWARD					R	-

		BROUGHT FORWARD	R	-
2.6.3.	Trenching, laying and backfill with gravel material compaction to 90% MOD AASHTO	m ³	10	R -
2.6.4.	Cleaning of manhole	no	1	R -
2.6.5.	45 degrees bends (110mm)	no	5	R -
2.6.6.	90 degrees bends (110mm)	no	5	R -
2.6.7.	Gully drains and fittings	no	5	R -
2.6.8.	Rodding eye cover	no	4	R -
2.7.	WATER SUPPLY CONNECTION			
2.7.1.	HDPE pipe 25mm	m	50	R -
2.7.2.	Trenching, laying and backfill with gravel material compaction to 90% MOD AASHTO	m ³	10	R -
2.7.3.	Gate Valve	no	3	R -
2.7.4.	Supply, lay, and test mobile unit connections	m	30	R -
2.7.5.	Sterilisation of water connecting pipe to the mobile unit 32mm HDPE pipe	m	30	R -
TOTAL CARRIED FORWARD TO SUMMARY			R	-



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: SITE CLEARANCE AND INFRASTRUCTURE FOR MOBILE UNITS

BILL NO.3 STRUCTURAL WORKS

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
	SANS	BILL NO. 3:				
3.		STRUCTURAL WORKS				
		PREAMBLES				
		For Preambles see "(PW371 - A)" Edition 2.0 is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities and be referred to for full description of work to be done and materials to be used.				
		The document "Construction Works: Specifications: Particular Specification (PW371 - B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities.				
		SUPPLEMENTARY PREAMBLES				
		NATURE OF GROUND				
		A soil investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed include all ground conditions classifiable as "earth" described in the above report and/or filling compacted up to 93% modified AASHTO density, but possibly interspersed with "hard rock" or "soft rock".				
		Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the contractor's method of operation.				
		SUBTERRANEAN WATER				
		No information on subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow therefor in his prices				
		CARTING AWAY OF EXCAVATED MATERIAL				
		Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking.				
		WORKING SPACE				
		Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face from the measured excavations				
		Working space for formwork to sides of columns shall be measured for the width of the column face only where both:				
		(a) The top of the column base is more than 1.5m below the commencing level of the excavations and				
		(b) The column face is less than 500mm from the face of the measured excavation				

		No claim shall be considered for any working space for formwork to concrete other than as above described or for working space beyond the sides of trench excavations for the building of brick or block walls.				
		Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for the returning and compacting of the excavated material as described.				
		SOIL POISONING				
		The contractor will be required to provide a guarantee from a registered (member of SAPCA) soil poisoning company for the soil insecticide and weed killing applications				
3.1.		FOUNDATION				
3.1.1.		250 micron DPC membrane	m ²	389	R	-
3.1.2.		25Mpa/19mm reinforced concrete	m ³	92	R	-
3.1.3.		High yield reinforcement - 10mm diameter bars	ton	5	R	-
3.1.4.		Testing concrete cube samples of 150x150x150mm	no	6	R	-
3.1.5.		Wood float top surfaces of concrete rafts	m ²	308	R	-
					SUBTOTAL	R -
3.2.		FORMWORK				
3.2.1.		Rough: Vertical for raft foundations	m ²	109	R	-
3.2.2.		Rough: Vertical for strip footing	m ²	18	R	-
					SUBTOTAL	R -
3.3.		RETAINING WALL				
3.3.1.		Bosun (or similar) VersoBlock 420mmx300mmx200mm configured to Side on closed - maximum height not more than 1.2m	m ²	101	R	-
3.3.2.		Insitu cast strip footing; 800mmx200mm deep un-reinforced 20 Mpa concrete	m ³	7,5	R	-
					SUBTOTAL	R -
		TOTAL CARRIED FORWARD TO SUMMARY			R	-



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...ROYANDOU HIGH COURT: SITE CLEARANCE AND INFRASTRUCTURE FOR MOBILE UNITS

BILL NO.4 ELECTRICAL WORKS

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
4		BILL NO. 4:				
		ELECTRICAL WORKS				
4.1	AB.01.08	LOW VOLTAGE SUPPLY CABLES				
		Supply and install the following 600/1000V PVC/SWA/PVC cables with copper conductor to SANS 1507 laid vertically or horizontally in conduiting or ducting or clipped direct in accordance with the specifications and drawings, including fixing. (Termination elsewhere).				
4.1.1.		2 x 50mm ² 4 core PVC/SWA/PVC Cable incl. terminations and all accessories. (From LT to Kiosk)				
		Supply	m	240	R	-
		Install	m	240	R	-
4.1.2.		50mm ² Bare Copper Earth Wire incl. terminations and all accessories. (From LT to Kiosk)				
		Supply	m	120	R	-
		Install	m	120	R	-
4.1.3.		25mm ² 4 core PVC/SWA/PVC Cable incl. terminations and all accessories. (From Kiosk to Mobile Offices)				
		Supply	m	340	R	-
		Install	m	340	R	-
4.1.4.		16mm ² Bare Copper Earth Wire incl. terminations and all accessories. (From Kiosk to Mobile Offices)				
		Supply	m	310	R	-
		Install	m	310	R	-
4.1.4.		2,5mm ² 1C GP Wiring -RED				
		Supply	m	120	R	-
		Install	m	120	R	-
4.1.5.		2,5mm ² 1C GP Wiring -Black				
		Supply	m	120	R	-
		Install	m	120	R	-
4.1.6.		2,5mm ² 1C GP Wiring -Green				
		Supply	m	120	R	-
		Install	m	120	R	-
4.1.7.		1,5mm ² 1C GP Wiring -Red				
		Supply	m	120	R	-
		Install	m	120	R	-
4.1.8.		1,5mm ² 1C GP Wiring -Black				
		Supply	m	120	R	-
		Install	m	120	R	-
4.1.9.		20mm PVC Conduit together with connector				
		Supply	m	600	R	-
		Install	m	600	R	-
4.1.10.		Trunking solid 100mm X 40mm X 3m				
		Supply	No	10	R	-
		Install	No	10	R	-
4.2.	AB.01.13	Circuit Breaker:				
4.2.1.		350A, MCCB, 415V, fault level current 50kA	No	2	R	-
4.2.2.		100A MCB 415V, fault level current 6kA	No	2	R	-
4.2.3.		Current rating 20A, fault current 3kA, voltage 230V				
TOTAL CARRIED FORWARD						-

		BROUGHT FORWARD				
						-
		Supply	No	24	R	-
		Install	No	24	R	-
4.2.4.		Current rating 10A, fault current 3kA, voltage 230V	No	4	R	-
4.2.5.		Earth leakage CB, 63A	No	2	R	-
4.2.6.		63A MCB, 415V, fault level current 5kA	No	2	R	-
4.3.		Electric sockets				
4.3.1.		Flush mounted Socket 16A with old and new RSA standard 4x4 box				
		Supply	No	20	R	-
		Install	No	20	R	-
4.3.2.		165X55 Double compartment Power skirting 3m				
		Supply	No	20	R	-
		Install	No	20	R	-
4.4.		Switches and Isolators				
4.4.1.		One Liver 16A light switch				
		Supply	No	4	R	-
		Install	No	4	R	-
4.4.2.		20A Double Pole flush mounted isolator 2 X 4 box	No	8	R	-
4.4.3.		Day-Night Switch	No	2	R	-
4.4.4.		Occupancy Sensors	No	4	R	-
4.5.		Switch Board				
4.5.1.		Distribution board surface mount steel, 16way				
		Supply	No	2	R	-
		Install	No	2	R	-
4.6.	AB.01.07	Excavations and Trenching				
		General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services. Allowance must be made for the sifting of soil when required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried out as specified for overall site works. Trenching 1 m deep 400 wide including backfilling				
4.6.1.		Excavation and backfilling in soft soil	m³	25	R	-
4.6.2.		Excavation and backfilling in hard rock	m³	25	R	-
4.6.3.		Excavation and backfilling in pickable soil	m³	25	R	-
4.6.4.		Soft red soil bedding (500mm)				
TOTAL CARRIED FORWARD TO SUMMARY					R	-



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DU HIGH COURT: SITE CLEARANCE AND INFRASTRUCTURE FOR MOBILE UNITS

SUMMARY OF BILL OF QUANTITIES

NO.	DESCRIPTION	AMOUNT (R)
1	BILL NO. 1 PRELIMINARIES AND GENERAL	R -
2	BILL NO. 2 CIVIL WORKS	R -
3	BILL NO. 3 STRUCTURAL WORKS	R -
4	BILL NO. 4 ELECTRICAL WORKS	R -
Sub-total		R -
VAT @ 15%		R -
TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE		R -