

CONTRACT No. MLM/SCM/07/2026

C2.2 Bill of Quantities

MARULENG LOCAL MUNICIPALITY
CONTRACT NO: MLM/SCM/07/2026
CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1200

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	<u>GENERAL REQUIREMENTS AND PROVISIONS</u>				
B12.01	(i) Payment of community liason officer	Prov. Sum	1,00	28 000,00	R 28 000,00
	(ii) Project Liaison Committee	Prov. Sum	1,00	4 800,00	R 4 800,00
	(iii) Handling costs and profit in respect of B12.01(i) &(ii) above	%	R 32 800,00		
B12.05	(i)Payment by contractor to landowners	Prov. Sum	R 1,00	60000,00	R 60 000,00
	(iii) Handling costs and profit in respect of B12.05(i) above	%	R 60 000,00		
PS12.05	Protection, removal,relocation and replacement of Utility services.				
	(a) Utility services				
	(i) Protection, removal,relocation and replacement of utility services.	Prov Sum	1,00	5 000,00	R 5 000,00
	(ii) Handling costs and profit in respect of sub-items (a) (i) above	%	R 5 000,00		
B12/C1.1	Contractor's initial obligation in respect of the OHS Act and Construction Regulations	L/Sum	1,00		
	(a) Compliance with Occupational and Safety (Act 85 of 1993) and all relevant and applicable Regulations and the Employer's Health and Safety Specification				
	(i) Training of site personnel	Sum			Rate Only
	(ii) SHE represantative	Sum			Rate Only
	(iii) First aid equipments	Sum	1,00		
	(iv) Fire Fighting equipment	Sum			Rate Only
	(v) Personal protective equipments	Sum	1,00		
	(v) Barricading	Sum			Rate Only
	(vi) Signs	Sum	1,00		
	(vii) Safety Officer	Sum	1,00		
	(viii) Medical surveillance tests	Sum	1,00		
B12/C1.2	Implementation of approved OHS plan for the duration of the contract, including daily/weekly inspections, monthly meetings,required audits, consolidated health and safety file				
B12/C1.2	Contractor's Time related Obligations in respect of the OHS Act and Construction Regulations	Month	4,00		
B12/C1.3	Submission of Health and Safety File	L/Sum	1,00		
B12.07	Provision for CETA Accredited Training Generic Skills & Enterpreneurial Skill	Prov.Sum	1	150 000	150 000,00
	(i) Handling cost and profit in respect of (B12.07) above.	%	R 150 000,00		
1200	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
 CONTRACT NO: MLM/SCM/07/2026
 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1300

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1300	<u>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u>				
13,01	The Contractor's general obligations:				
	(a) Fixed obligations	Lump. Sum	1		
	(b) Value-related obligations	Lump. Sum	1		
	(c) Time-related obligations	Month	4		
1300	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
 CONTRACT NO: MLM/SCM/07/2026
 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

				SECTION 1400	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1400	<u>HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</u>				
14.01	Office and laboratory accommodation:				
	(a) Offices (interior floor space only)	m ²	80		Rate Only
	(e) Ablution units	m ²	15		Rate Only
14.02	Office and laboratory furniture:				
	(a) Chairs	number	20		Rate Only
	(d) Desks, complete with drawers and locks	number	1		Rate Only
	(f) Conference tables	number	1		Rate Only
14.03	Office and laboratory fittings, installations and equipment:				
	(a) Items measured by number:				
	(i) 220/250 volt power points	number	3		Rate Only
	(iii) Double 80 watt fluorescent-light fittings complete with ballast and tubes	number	1		Rate Only
	(v) Single incandescent-light fittings complete with 100 watt globes	number	1		Rate Only
	(vi) Wash-hand basins complete with taps and drains	number	1		Rate Only
	(x) Fire extinguishers, 9,0 kg all purpose dry powder type, complete, mounted on wall with brackets	number	2		Rate Only
	(xi) Air-conditioning units with, 2,2 kW minimum capacity, mounted and with own power connection	number	1		Rate Only
	(xiv) General-purpose steel cupboards with shelves	number	1		Rate Only
	(xv) Steel filing cabinets with drawers	number	1		Rate Only
	(b) Prime-cost items and items paid for in a lump sum				
	(v) The provision of a fax apparatus as specified	Prov. Sum			Rate Only
1400	TOTAL CARRIED FORWARD				

MARULENG LOCAL MUNICIPALITY
CONTRACT NO: MLM/SCM/07/2026
CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
14.04	Car-ports	number	2		Rate Only
14.07	Rented, hotel and other accommodation for Engineer:				
	(a) Provisional Sum for providing rented housing, hotel or other accommodation as described in Subsubclause 1403(c)(ii)	Prov. Sum	1,00		Rate Only
	(b) Handling costs and profit in respect of subitem 14.07(a)	%	Rate Only		Rate Only
14,10	Provision of photostat facilities	month	5		Rate Only
B14.11	Telecommunications System				
	(g) Provision of digital camera.	Lump. Sum	1		Rate Only
	Handling costs and profit in respect of subsubitem 14.11(a), (c) above	%	Rate Only		Rate Only
B 14.14	Specialists Services				
	b) Occupational Health & Safety Consultants	Prov Sum	1,00	150 000,00	R 150 000,00
	c) Specialists Environmental Consultants	Prov Sum	1,00	150 000,00	R 150 000,00
	Subitems B14.14 (b) and ©	%	300 000,00		
1400	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
 CONTRACT NO: MLM/SCM/07/2026
 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1500

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1500	ACCOMMODATION OF TRAFFIC				
15.01	Accommodating traffic and maintaining temporary deviations	km	1,00		
15.02	Earthworks for temporary deviations:				
	(a) Shaping of temporary deviations	km	0,20		
	(b) Cut and borrow to fill	m ³	5,00		
	(c) Cut to spoil	m ³	10,00		
B15.03	Temporary traffic-control facilities:				
	(a) Flagmen	man-day	10,00		
	(b) Portable STOP and GO-RY signs	number	2,00		
	(e) Road signs, R- and TR-series, (size indicated)	number	5,00		
	(f) Road signs, TW-series, (size indicated)	number	5,00		
	(g) Road signs, STW-, DTG-, TGS- and TG-series (excluding delineators and barricades)	m ²	10,00		
	(h) Delineators (DTG50J):				
	(i) Single	number	20,00		
	(ii) Mounted back to back	number			Rate Only
	(j) Traffic cones 600mm	number			Rate Only
	(l) Movable barriers (type indicated)	No			Rate Only
	(n) Safety jackets and hats	No	6,00		0,00
15.04	Relocation of traffic-control facilities	Lump. Sum	1,00		Rate Only
15.05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations:				
	(a) Temporary deviations	m ³	30,00		
15.06	Watering of temporary deviations	kilolitre	500,00		
1500	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY

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CONTRACT NO: MLM/SCM/07/2026

CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1500

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Brought forward				
15.07	Blading by road grader of:				
	(a) Temporary deviations	km-pass	0,5		
	(b) Existing roads used as temporary deviations	km-pass	0,5		
15.08	Repairs, alterations and/or additions to existing roads used as temporary deviations	Prov. Sum			Rate Only
B15.10	Accommodating traffic where the road is constructed in half widths.	km			Rate Only
B15.12	Temporary culverts				
	(a) Provision and laying of temporary prefabricated culverts complete:				
	(i) Type SC pipe D-load pipes with ogee joints on class D bedding:				
	(1) 600mm dia	m			Rate Only
	(b) Re-use of prefabricated culverts complete:				
	(i) Type SC pipe D-load pipes with ogee joints on class D bedding:				
	(1) 600mm dia	m			Rate Only
	(c) Eventual removal of prefabricated culverts:				
	(i) Type SC pipe D-load pipes with ogee joints on class D bedding:				
	(1) 600mm dia	m			Rate Only
B15.14	Allow provisional sum for:				
	(a) Repair of damaged temporary road signs and delineators	Prov. Sum			Rate Only
	(b) River Diversion by contractor on approval by the Engineer	Prov. Sum	1	200 000,00	R 200 000,00
1500	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
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CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1600

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1600 16,02	OVERHAUL Overhaul on material in excess of 1.0 km (ordinary overhaul)	m ³ -km	1 500,00		
1600	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
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 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1700

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	<u>CLEARING AND GRUBBING</u>				
17,01	Clearing and grubbing	ha	1,0		
17,02	Removal and grubbing of large trees and tree stumps				
	(a) Girth exceeding 1 m up to and including 2m	No	5		
1700	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
 CONTRACT NO: MLM/SCM/7/2026
 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 1800

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1800	<u>DAYWORKS</u>				
B18.01	Labourers:				
	(i) Unskilled	h	-		Rate Only
	(ii) Semi-skilled	h	-		Rate Only
	(iii) Skilled	h	-		Rate Only
B18.02	Foreman	h	-		Rate Only
B18.03	Tipper trucks:				
	(i) 3 - 5 ton	h	-		Rate Only
	(ii) 5.1 - 10 ton	h	-		Rate Only
B18.04	Loader (0,5m³)	h	-		Rate Only
B18.05	Grader (CAT 140G or similar)	h	-		Rate Only
B18.06	LDV	km	-		Rate Only
B18.07	Compaction rollers:				
	(i) Vibratory roller	h	-		Rate Only
	(ii) Tamping roller	h	-		Rate Only
	(iii) Grid roller	h	-		Rate Only
B18.08	Hand controlled compactors				
	(i) Pedestrian roller (Bomag BW90)	h	-		Rate Only
	(ii) Vibratory plate	h	-		Rate Only
	(iii) Rammers	h	-		Rate Only
B18.09	Water truck (min. 10000litre)	h	-		Rate Only
B18.10	Dozer (D7 or similar)	h	-		Rate Only
1800	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
 CONTRACT NO: MLM/SCM/7/2026
 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 2100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2100	<u>DRAINS</u>				
LI 21.01	Excavation for open drains:				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 2,0 m	m ³	300		
	(b) Extra over subitem 21.01(a) for excavation in hard material, irrespective of depth	m ³	66		
LI 21.02	Clearing and shaping existing open drains	m ³	15		
LI 21.03	Excavation for sub-soil drainage systems:				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 1,5 m	m ³			Rate Only
	(b) Extra over subitem 21.03(a) for excavation in hard material, irrespective of depth	m ³			Rate Only
21,04	Impermeable backfill to subsoil drainage systems	m ³			Rate Only
21,05	Banks and dykes	m ³			Rate Only
21,06	Natural permeable material in sub-soil drainage systems (crushed stones).				
	(b) Crushed stone obtained from commercial sources.				
	(2) Coarse-graded -19mm surfacing stone.	m ³	55		
21,07	Natural permeable material in subsoil drainage systems (sand)				
	(b) Sand from commercial sources				
	(1) Coarse Grade	m ³	0		Rate Only
21,08	Pipes in subsoil drainage systems:				
	(b) Unplasticised PVC pipes and fittings, normal duty complete with couplings				
	(1) 150mm internal dia. Perforated.	m	280		
2100	TOTAL CARRIED TO FORWARD				

MARULENG LOCAL MUNICIPALITY
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SECTION 2100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	BROUGHT FORWARD				
21,09	Polyethylene sheeting 0.15mm tick, or similar, approved material, for lining subsoil drainage systems.	m ²	160		
21,10	Synthetic-fibre filter fabric (Grade A2 or equivalent)	m ²	140		
21,12	Concrete/brick work outlet structures,manhole boxes junction boxes and cleaning eyes for sub-soil drainage systems:				
	(a) Outlet structures	No			Rate Only
	(c) Junction boxes	No			Rate Only
	(d) Cleaning eyes	No			Rate Only
21,13	Concrete caps for sub-soil drain pipes	No			Rate Only
21,15	Overhaul for material hauled in excess of 1.0km free-haul (normal overhaul).	m ³ .km			Rate Only
21,17	Test flushing of pipe subsoil drains	m			Rate Only
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density.	m ³			Rate Only
2100	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
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 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 2200

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	<u>PREFABRICATED CULVERTS</u>				
22,01	Excavation:				
	(a) Excavating soft material situated within the following depth ranges below the surface level:				
	(i) 0 m up to 2,0 m	m ³	220		
	(b) Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m ³	42		
22,02	Backfilling:				
	(a) Using the excavated material	m ³	300		
	(c) Extra over subitems 22.02(a) and (b) for soil cement backfilling containing 2% cement	m ³	143		
	(d) Rockfill	m ³	805		
22.05	Portal and Rectangular culverts:				
	(b) Without the fabricated floor slabs (1500mm x 1500mm-100S	no	50		
B22.07	Cast in situ concrete and formwork:				
	(b) (i) In floor slabs (300mm thick) for portal or rectangular culverts including formwork, joints and class U2 surface finish (class 30/19)	m ³	80		
	(ii) Between culvert units (class 15/19)	m ³	12,0		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes,trust and anchor blocks, including formwork and including class U2 surface finish.				
	(1) Class 30/19	m ³	50		
22,1	Steel reinforcement				
	(a) Mild steel bars	ton	9		
	(b) High-tensile steel bars	ton	5		
	(c) Welded steel fabric (195)	kg	900		
	(d) Welded steel fabric Mesh (888)	kg	1 633		
2200	TOTAL CARRIED FORWARD				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<p>3300</p> <p><u>MASS EARTHWORKS</u></p> <p>33.01 Cut and borrow to fill, including free-haul up to 0,5 km:</p> <p>(a) Material in compacted layer thicknesses of 200 mm and less:</p> <p>(i) Compacted to 90% of modified AASHTO density</p> <p>(c) Rock fill (as specified in subclause 3209c)</p> <p>33.04 Cut to spoil, including free-haul up to 0,5 km. Material obtained from:</p> <p>(a) Soft excavation</p> <p>33.07 Removal of unsuitable material (including free-haul of 0,5 km):</p> <p>(b) In layer thicknesses exceeding 200 mm:</p> <p>(i) Stable material</p> <p>(ii) Unstable material</p> <p>33.10 Roadbed preparation and the compaction of material:</p> <p>(a) Compaction to 90% of modified AASHTO density</p> <p>33.13 Finishing-off cut and fill slopes, medians and interchange areas:</p> <p>(a) Cut slopes</p> <p>(b) Fill slopes</p> <p>33.20 Fill constructed with material obtained from commercial sources or sources providing by the Contactor, including all haul:</p> <p>(a) Gravel material in compacted layer thicknesses of 200 mm and less:</p> <p>(i) Compacted to 90% modified AASHTO density</p>		<p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m²</p> <p>m²</p> <p>m³</p>	<p>700</p> <p>500</p> <p>450</p> <p>320</p> <p>600</p> <p>80</p> <p>200</p> <p>800,00</p>		<p>Rate Only</p>
<p>3300</p>					
<p>3400</p> <p><u>PAVEMENT LAYERS OF GRAVEL MATERIAL</u></p> <p>34.01 Pavement layers constructed from gravel taken from cut or borrow including free-haul up to 1,0 km:</p> <p>(a) Gravel Selected layer compacted to:</p> <p>(i) 95% of modified AASHTO density for a compacted layer thickness of 150 mm</p>		<p>m³</p>	<p>900</p>		<p>SECTION 3400</p>
<p>3400</p>	<p>TOTAL CARRIED TO SUMMARY</p>				

SECTION 5100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5100 LI 51.01	<p><u>PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION</u></p> <p>Stone pitching:</p> <p>(b) Grouted stone pitching 150 mm thickn</p>	m ²	110		
5100	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
 CONTRACT NO: MLM/SCM/7/2026
 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5200	<u>GABIONS</u>				
LI 1/52.01	Foundation trench excavation and backfilling (b) In all other classes of material.	m ³	40		
LI 1/52.02	Surface preparation for bedding the gabions	m ²	400		
LI 1/52.03	Gabions				
LI 1/52.03	(a) Galvanized gabion boxes, wire diameter 2,7mm, mesh size 80mm x 100mm, diaphragm spacing, (price to include rocks) 1,0m (i) 1 m x 1 m x 1 m	m ³	40		
	(ii) 1 m x 1 m x 0,5 m	m ³	25		
	(c) Galvanized gabion mattresses (wire diameter 2,5 mm, mesh size 80mm x 100mm, diaphragm spacing 1,0m (i) 300 mm deep	m ³	20		
LI 1/52.04	Filter fabric (a) Grade U24 or approved equivalent	m ²	45		
5200	TOTAL CARRIED FORWARD TO SUMMARY				
5400	<u>GUARDRAILS</u>				
LI 1/54.01	Guardrails on timber posts (a) Galvanised	m	140		
54,04	End treatments: (a) End wings	No.	4		
	(b) Bull-Noses	No.	4		
LI 1/B54.14	Guardrails with pedestrian railings of steel 100x100x5mm Angle Iron fixed on the bridge deck.	m	60		
54,03	Reflective plates	No.	50		
B54.04	Handrails	m	35		
5400	TOTAL CARRIED FORWARD TO SUMMARY				
5600	<u>ROAD SIGNS</u>				
1/56.01	Road sign boards with painted or coloured semi-matt background. (a) Aluminium sheet (2,0 mm thick) (i) (i) Area not exceeding 2 m	m ²	10		
1/56.02	Extra over item 56.01 for using: (a) Background of retro-reflective material: (i) Class 1	m ²	10		
1/56.03	Road sign supports (a) Steel tubing (galvanised)	t	0,5		
5600	TOTAL CARRIED FORWARD				
1/61.01	Additional foundation investigation (i) Handling cost and profit in respect of (1/61.01) above.	Prov Sum %	1 R 100 000,00	100 000,00	100 000,00
6100	TOTAL CARRIED FORWARD				
	TOTAL CARRIED FORWARD TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5900	<u>FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS</u>				
59,01	Finishing the road and road reserve: (b) Single-carriageway road	km	0,50		
5900	TOTAL CARRIED TO SUMMARY				

MARULENG LOCAL MUNICIPALITY
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 CONSTRUCTION OF DITAUNG LOW LEVEL BRIDGE

SECTION 8100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	<u>TESTING MATERIALS AND WORKMANSHIP</u>				
81.02	Other special tests requested by the Engineer:				
	(a) Cost of testing	PC.Sum	1,00	R 200 000,00	R 200 000,00
	(b) Charge on Prime Cost Sum	%	200 000		
8100	TOTAL CARRIED TO SUMMARY				

SUMMARY OF SCHEDULE OF QUANTITIES

1200	GENERAL REQUIREMENTS AND PROVISIONS	R	_____
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	R	_____
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL	R	_____
1500	ACCOMMODATION OF TRAFFIC	R	_____
1600	OVERHAUL	R	_____
1700	CLEARING AND GRUBBING	R	_____
1800	DAYWORKS	R	_____
2100	DRAINS	R	_____
2200	PREFABRICATED CULVERTS	R	_____
3300	MASS EARTHWORKS	R	_____
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL	R	_____
5100	PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION	R	_____
5200	GABIONS	R	_____
5400	GUARDRAILS	R	_____
5600	ROAD SIGNS	R	_____
5900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS	R	_____
8100	TESTING MATERIAL AND WORKMANSHIP TREATING OLD ROADS	R	_____

TOTAL R _____

CALCULATION OF TENDER SUM

SUMMARY OF SCHEDULE OF QUANTITIES TOTAL R _____

ADD CONTINGENCIES

Add 10% of contingencies R _____

SUBTOTAL R _____

ADD VALUE-ADDED TAX (VAT)

The tenderer shall add 15% of subtotal for VAT R _____

TOTAL CARRIED TO FORM OF OFFER R _____

BIDDER'S SIGNATURE

DATE:

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

C3: SCOPE OF WORK

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C3.1 STANDARD SPECIFICATIONS

C3.2 PROJECT SPECIFICATIONS

PART A: GENERAL

PS-1	Project Description
PS-2	Description of the Site and Access
PS-3	Details of the Works
PS-4	Construction Management Requirements
PS-5	Expanded Public Works Programme (EPWP) labour-intensive specification

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

C3.1 STANDARD SPECIFICATIONS

The standard specifications on which this contract is based are the **COLTO Standard Specifications for Road and Bridge Works for State Road Authorities 1998 edition**.

The following SANS specifications are also referred to in this document and the Contractor is advised to obtain them from Standards South Africa (a division of SABS) in Pretoria.

SANS 10396: 2003:	Implementing Preferential Construction Procurement Policies using Targeted Procurement Procedures
SANS 1914-1 to 6 (2002):	Targeted Construction Procurement
SANS 1921 – 1 (2004):	Construction and Management Requirements for Works Contracts Part 1: General Engineering and Construction Works
SANS 1921-5 (2004):	Generic Labour Intensive Specification Part 5: Earthworks.

and where accommodation of traffic is involved:

SANS 1921-2 (2004):	Construction and Management Requirements for Works Contracts Part 2: Accommodation of Traffic on Public Roads Occupied by the Contractor.
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CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

C3.2: PROJECT SPECIFICATIONS

STATUS

The Project Specification, consisting of two parts, forms an integral part of the contract and supplements the Standard Specifications.

Part A contains a general description of the works, the site and the requirements to be met.

Part B contains variations, amendments and additions to the Standardized Specifications and, if applicable, the Particular Specifications.

In the event of any discrepancy between a part or parts of the Standardized or Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the Specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

The standard specifications which form part of this contract have been written to cover all phases of work normally required for road contracts, and they may therefore cover items not applicable to this particular contract.

PART A: GENERAL*PS-1 PROJECT DESCRIPTION*

The project entails the construction of a low-level bridge in DITAUNG Section in Maruleng Municipality

The employer's objectives are to deliver public infrastructure using intensive labour methods in accordance with EPWP Guidelines.

Stormwater drainage structures construction and upgrading:

- Accommodation of Traffic
- Overhaul.
- Prefabricated Culverts.
- Mass Earthworks.
- Pavement Layers of Gravel Material
- Pitching, Stonework and Protection against Erosion
- Guardrails
- Gabions
- Installation of Road Signs
- Finishing the Road and Road Reserve & Treating Old Roads
- Line the side drains with Concrete.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE*PS-2 DESCRIPTION OF THE SITE AND ACCESS***2.1** Location of site

The project is located in DITAUNG Village about 58km east of Tzaneen in Maruleng Local Municipality of Mopani District Municipality in Limpopo Province.

2.2 Access to site

The contractor shall be responsible for the maintenance and reinstatement of damage caused by him or his agents/deliveries to vehicular access tracks and rights of way. No damage to fauna and flora located outside the limits of the road reserve will be permitted on the contract.

The contractor shall take cognizance of the aforementioned items concerning roads and tracks and allow for any costs in his Bid under the relevant section in the Bill of Quantities.

PS-3 DETAILS OF THE WORK

A brief detail of the works for which this specification is applicable is as follows:

3.1 Climatic conditions

The proposed development is located in a summer rainfall region with rainfall that occurs mainly in storms of short duration with high intensities. Sunny and hot summer days with cold winter days.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**3.2 Labour recruitment conditions**

A Project Steering Committee (PSC) will be established and is a vital means of communication between all parties involved with the project. The composition of the PSC comprises representation by the Employer, the Engineer and formal structures within the community (at least 4 people).

The contractor shall make use of these communication channels, and shall appoint from amongst his site personnel a responsible person to participate in the affairs of the PSC, and this representative may be also required to attend the monthly PSC meetings.

It is mandatory that the Contractor shall interact with the community via proactive project liaison and project participation by its leaders and constituted organizations and forums, as well as through the employment of its people, and these activities shall constitute essential facets of the project.

Local labour is to be used and the employment of such labour is to be done in conjunction with the PSC.

The PSC shall appoint a Community liaison officer (C.L.O.) (which shall be remunerated under the contract) who shall be in full time employ of the contract. The duties of the C.L.O. shall consist inter alia of the following:

- To be available on site daily between the hour of 07:00 and 17:00 and at other times as the need arises. His normal working day will extend from 07:00 in the morning until 17:00 in the afternoon.
- To communicate daily with regard to number and skills, to facilitate in labour disputes and to assist in their resolution.
- His/her remuneration shall be R4500 per Month.
- The minimum labour/General worker rate shall be R200.00 as determined by the Municipality
- To attend all meetings in which the community and/or labour are present or are required to be represented.
- To attend all PSC meeting to report on labour.
- To assist in the identification and screening of laborers from the community in accordance with the contractor's requirements.
- To advise and inform temporary laborers of their conditions of employment and to inform temporary laborers as early as possible when their period of employment will be terminated.
- To attend disciplinary proceedings to ensure that hearings are fair and reasonable.
- To keep a daily written record of his interviews and community liaison, labour force etc.
- To attend monthly site meetings and report in writing on labour and contract matters.
- Keeping a data base of available labour.
- All such other duties as agreed upon between all parties concerned.
- Compile a list of available skills in the area (skills audit).

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**3.3 Construction in confined Areas**

It may be necessary for the Contractor to work within confined areas. Except where provided for in the specifications, no additional payment shall be made for work done in restricted areas. In certain places the width of the fill material and pavement layers may decrease to zero and the working space may be confined. The method of construction in these confined areas largely depends on the Contractor's constructional plant.

However, the Contractor shall note that, unless provided for in terms of the scheduled payment items in the COLTO Standard Specifications or these project specifications, measurement and payment shall be in accordance with the specified cross sections and dimensions only, irrespective of the method used for achieving these cross sections and dimensions, and that the Bided rates and amounts shall include full compensation for all special equipment and construction methods and for all difficulties encountered when working in confined areas and narrow widths, and at or around obstructions, and that no extra payment shall be made nor shall any claim for additional payment be considered in such cases.

PS-4 CONSTRUCTION AND MANAGEMENT REQUIREMENTS**4.1 General**

The Contractor is referred to **SANS 1921: 2004 parts 1, 2 and 3: Construction and Management Requirements for Works Contracts**. These specifications shall be applicable to the contract under consideration and the Contractor shall comply with all requirements relevant to the project.

Certain aspects however require further attention as described hereafter.

4.2 Planning, Programme and Method Statements (Read with SANS1921-1:2004 clause 4.3)**4.2.1 Preliminary programme**

The Contractor shall include with his Bid a preliminary programme on the prescribed form to be completed by all Bidders. The programme shall be in the form of a simplified bar chart with sufficient details to show clearly how the works will be performed within the time for completion as stated in the Contract Data.

Bidders may submit Bids for an alternative Time for Completion in addition to a Bid based on the specified Time for Completion. Each such alternative Bid shall include a preliminary programme similar to the programme above for the execution of the works, and shall motivate his proposal clearly by stating all the financial implications of the alternative completion time.

The Contractor shall be deemed to have allowed fully in his Bided rates and prices as well as in his programme for all possible delays due to normal adverse weather conditions and special non-working days as specified in the Special Conditions of Contract, in the Project Specifications and in the Contract Data.

The following constraints shall be taken into account in preparing the preliminary construction programme which must be submitted with the Bid. These same constraints shall apply to the final construction programme.

- a) The Contract will be as Bided by the contractor. Plant and personnel requirements to complete the project must be incorporated in the Bid and shown on the programme.
- b) A high standard of traffic accommodation
- c) The relocation of services
- d) Ancillary works by Emerging Contractors

4.2.2 Programme in terms of Clause 5.6 of the General Conditions of Contract

It is essential that the construction programme, which shall conform in all respects to Clause 5.6 of the General Conditions of Contract, be furnished within the time stated in the Contract Data. The preliminary programme to be submitted with the Bid shall be used as basis for this programme..

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

The following must be stated on the programme:

- (a) 2 weeks must be allocated at the start of the project for the setting out and confirmation of survey benchmarks. No work will be allowed prior to the survey confirmation process being completed.
- (b) The quantity of work applicable to each bar item as well as the rate at which the work will be completed.
- (c) A budget of the value of completed work, month by month, for the full contract period.
- (d) The critical path.
- (e) Work to be undertaken by Local Contractor (if applicable)
- (f) Training Courses
- (g) Schedule of plant and resources to be utilized

The Contractor's attention is also drawn to clause 5.7 of the General Conditions of Contract 2015.

4.2.3 Delay in Completion

The Contractor shall organise the Works in such a manner that no delays occur. Delays due to faulty organisation or lack or shortage of materials or labour or co-operation with other parties or to any other cause within the control of the Contractor will not be counted and full power is reserved by the Engineer to order the Contractor to expedite the work should the work, in the opinion of the Engineer, not progress in a satisfactory way.

4.3 Quality Assurance (QA) *(Read with SANS 1921 – 1: 2004 clause 4.4)*

The Contractor will be solely responsible for the production of work that complies with the Specifications to the satisfaction of the Engineer. To this end it will be the full responsibility of the Contractor to institute an appropriate Quality Assurance (QA) system on site. The Engineer will audit the Contractor's quality assurance (QA) system on a regular basis to verify that adequate independent checks and tests are being carried out and to ensure that the Contractor's own control is sufficient to identify any possible quality problems which could cause a delay or failure.

The Contractor shall ensure that efficient supervisory staff, the required transport, instruments, equipment and tools are available to control the quality of his own workmanship in accordance with his QA-system. His attention is drawn to the fact that it is not the duty of the Engineer or the Engineer's representative to act as foreman or surveyor.

4.4 Management and disposal of water *(Read with SANS 1921 – 1 : 2004 clause 4.6)*

The Contractor shall pay special attention to the management and disposal of water and storm water on the site. It is essential that all completed works or parts thereof are kept dry and properly drained. Claims for delay and for repair of damage caused to the works as a result of the Contractor's failure to properly manage rain and surface water, will not be considered.

4.5 Earthworks *(Read with SANS 1921 – 1 : 2004 clause 4.10)***4.5.1 Borrow pits and spoil areas**

The borrow pits to be used for this contract shall be pointed out at the Site Inspection. The Contractor shall be permitted to use only those borrow pits approved by the Engineer.

The spoil sites shall be determined on site in conjunction with the Engineer, the PSC, and the local communities. The Contractor shall be permitted to use only those spoil areas approved by the Engineer.

Should the Contractor wish to use any other spoil area for the disposal of soil, rubble, vegetation, etc, its use shall be subject to the approval of the Engineer and the landowner.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**4.6 Testing** (Read with SANS 1921 – 1 : 2004 clause 4.11)**4.6.1 Process control**

The Contractor shall arrange for his own process control tests. The Contractor may establish his own laboratory on site for this purpose, or he may employ the services of an independent commercial laboratory. Whatever method is used, the Contractor must submit the results of tests carried out on materials and workmanship when submitting work for acceptance by the Engineer. The costs for these tests shall be deemed to be included in the relevant rates and no additional payment will be made for testing as required.

4.6.2 Acceptance control

The process control test results submitted by the Contractor for approval of materials and workmanship may be used by the Engineer for acceptance control. However, before accepting any work, the Engineer shall have his own acceptance control tests carried out by the dedicated site laboratory as approved by the client. The cost of acceptance testing shall be to the account of the client.

4.7 Site Establishment (Read with SANS 1921 – 1 : 2004 clause 4.14)**4.7.1 Contractor's camp site and depot**

The Contractor is responsible to provide a suitable site for his camp and to provide accommodation for his personnel and laborers. If the Employer can make any specific site available to the Contractor, such site will be pointed out to the Contractor.

The chosen site shall be subject to the approval of the Engineer and the Project Steering Committee (PSC). Possible locations for a campsite shall be pointed out at the Site inspection. The Contractor shall conform to all local authority, environmental and industrial regulations.

The Contractor shall make his own arrangements concerning the supply of electrical power and all other services. No direct payment shall be made for the provision of electrical and other services. The cost thereof shall be deemed to be included in the rates and amounts Bided for the various items of work for which these services are required.

The Contractor shall provide security watchmen for the contract as he deems fit at no extra cost for the Employer. The Contractor must ensure that all his employees as well as the employees of his subcontractors are able to identify themselves as members of the construction team.

4.7.2 Accommodation of Employees

No employees except for security guards will be allowed to sleep or be accommodated on the site in urban areas.

No housing is available for the Contractor's employees and the Contractor shall make his own arrangements to house his employees and to transport them to site.

No informal housing or squatting will be allowed.

The Contractor shall provide the necessary ablution facilities at his camp site and the site of the works for the use of his employees. Chemical toilets will only be allowed where temporary facilities have to be provided.

4.8 Survey beacons (Read with SANS 1921 – 1 : 2004 clause 4.15)

The Contractor shall take special precautions to protect all permanent survey beacons or pegs such as

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bench-marks, stand boundary pegs and trigonometrical beacons, regardless whether such beacons or pegs were placed before or during the execution of the Contract. If any such beacons or pegs have been disturbed by the Contractor or his employees, the Contractor shall have them replaced by a registered land surveyor at his own cost.

4.9 Existing Services (Read with SANS 1921 – 1: 2004 clause 4.17)

The Contractor shall make himself acquainted with the position of all existing services before any excavation or other work likely to affect the existing services is commenced.

It is the contractors responsibility to identified services that will interact with the construction work. The contractor will be responsible to do the application and negotiation on the relocation of the sifting of services.

The Contractor will be held responsible for any damage to known existing services caused by or arising out of his operations and any damage shall be made good at his own expense. Damage to unknown services shall be repaired as soon as possible and liability shall be determined on site when such damage should occur.

Services belonging to the following service owners will be encountered.

SERVICE OWNER	TYPE OF SERVICE
Eskom	Electrical/Power lines
Mopani District Municipality	Waterlines and reticulation within the rural area
Department of Water and Sanitation	Bulk water lines
Property Authority	Land owner
Private owners	Fence line

A provisional amount is included in the bill of quantities for the protection and/or shifting of services.

Two weeks prior to commencing construction activities in a particular area, the Contractor shall also diligently enquire of local landowners as to whether there are any other known services which have not been shown on the drawings but which may be affected by the construction activities in that area, and any such services shall be brought to the attention of the Engineer immediately. The contractor shall make provision in his programme for the location and/or shifting of services.

The Contractor shall take note of the requirements of clause 1202 of the standard specifications with regard to services.

4.10 Health and Safety (Read with SANS 1921 - 1: 2004 clause 4.18)**4.10.1 General statement**

It is a requirement of this contract that the Contractor shall provide a safe and healthy working environment and to direct all his activities in such a manner that his employees and any other persons, who may be directly affected by his activities, are not exposed to hazards to their health and safety. To this end the Contractor shall assume full responsibility to conform to all the provisions of the Occupational Health and Safety Act (OHSA) No 85 and Amendment Act No 181 of 1993, and the OHSA 1993 Construction Regulations 2014 issued on 7 February 2014 by the Department of Labour.

For the purpose of this contract the Contractor is required to confirm his status as mandatory and employer in his own right for the execution of the contract by entering into an agreement with the Employer in terms of the Occupational Health and Safety Act in the form as included in section C1.5.

4.10.2 Health and Safety Specifications and Plans(a) Employer's Health and Safety Specification

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The Employer's Health and Safety Specification is included in Section C3.3, of the Bid documents as part of the Particular Specifications.

(b) Bidder's Health and Safety Plan

The Bidder shall submit with the bid his own documented Health and Safety Plan he proposes to be implement for the execution of the work under the contract. The Health and Safety Plan must at least cover the following:

- (i) a proper risk assessment of the works, risk items, work methods and procedures in terms of Regulations 9 to 30;
- (ii) pro-active identification of potential hazards and unsafe working conditions;
- (iii) provision of a safe working environment and equipment;
- (iv) statements of methods to ensure the health and safety of subcontractors, employees and visitors to the site, including safety training in hazards and risk areas (*Regulation 7*);
- (v) monitoring health and safety on the site of works on a regular basis, and keeping of records and registers as provided for in the Construction Regulations;
- (vi) details of the Construction Supervisor, the Construction Safety Officers and other competent persons he intends to appoint for the construction works in terms of Regulation 8 and other applicable regulations; and
- (vii) details of methods to ensure that his Health and Safety Plan is carried out effectively in accordance with the Construction Regulations 2014.

The Contractor's Health and Safety Plan will be subject to approval by the Employer, or amendment if necessary, before commencement of construction work. The Contractor will not be allowed to commence work, or his work will be suspended if he had already commenced work, before he has obtained the Employer's written approval of his Health and Safety Plan.

Time lost due to delayed commencement or suspension of the work as a result of the Contractor's failure to obtain approval for his safety plan, shall not be used as a reason to claim for extension of time or standing time and related costs

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**4.10.3 Cost of compliance with the OHS Construction Regulations**

The rates and prices Bided by the Contractor shall be deemed to include all costs for conforming to the requirements of the Act, the Construction Regulations and the Employer's Health and Safety Specification as applicable to this contract.

Should the Contractor fail to comply with the provisions of the Construction Regulations, he will be liable for penalties as provided in the Construction Regulations and in the Employer's Health and Safety Specification.

Contractor to ensure that he is compliant to all COVID-19 regulations and any other health and safety risk that may appear similar to COVID-19. Pricing of OHS requirements in the Bill of Quantities should cover all costs for measures that need to be taken to be compliant on these special risks.

4.11 Requirements for Accommodation of Traffic (Read with SANS 1921 - 2 : 2004)**4.11.1 General**

The Contractor will be responsible for the safe and easy passage of public traffic past and on sections of roads of which he has occupation or where work has to be done near traffic.

The travelling public shall have the right of way on public roads, and the Contractor shall make use of approved methods to control the movement of his equipment and vehicles so as not to constitute a hazard on the road.

Accommodation of traffic, where applicable shall comply with SANS 1921-2: 2004: Construction and Management Requirements for Works Contracts, Part 2: Accommodation of Traffic on Public Roads occupied by the Contractor. The Contractor shall obtain this specification from Standards South Africa if accommodation of traffic will be involved on any part of the construction works.

4.11.2 Basic Requirements

The travelling public shall have the right of way on public roads, and the Contractor shall make use of approved methods to control the movement of his equipment and vehicles so as not to constitute a hazard on the road.

The Contractor shall ensure that all road signs, barricades, delineators, flagmen and speed controls are effective and that courtesy is extended to the public at all times.

Failure to maintain road signs, warning signs or flicker lights, etc, in a good condition shall constitute ample reason for the Engineer to suspend the work until the road signs, etc, have been repaired to his satisfaction.

The Contractor may not commence constructional activities affecting existing roads before adequate provision has been made to accommodate traffic in accordance with the requirements of this document and the South African Road Traffic Signs Manual.

The Contractor shall construct and maintain all temporary drainage works necessary for temporary deviations.

The Contractor shall provide and grant access to persons whose properties fall within or adjoin the area in which he is working.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**4.11.3 Payment**

The Contractor's Bided rates for the relevant items in the Bill of Quantities shall include full compensation for all possible additional costs which may arise from this, and no claims for extra payment due to inconvenience as a result of the modus operandi will be considered.

4.12 Management of the environment *(Read with SANS 1921 - 1 : 2004 clause 4.19)*

Respect for the environment is an important aspect of this contract and the Contractor shall pay special attention to the following:

4.12.1 Natural Vegetation

The Contractor shall confine his operation to the limits of the road reserve for the purpose of constructing the works and where applicable detours, shall be sited in consultation with the Engineer and the local communities.

Only those trees and shrubs directly affected by the works and such others as the Engineer may direct in writing shall be cut down and stumped. The natural vegetation, grassing and other plants shall not be disturbed other than in areas where it is essential for the execution of the work or where directed by the Engineer.

4.12.2 Fires

The Contractor shall comply with the statutory and local fire regulations. He shall also take all necessary precautions to prevent any fires. In the event of fire the Contractor shall take active steps to limit and extinguish the fire and shall accept full responsibility for damages and claims resulting from such fires which may have been caused by him or his employees.

4.12.3 Environmental Management Plan

In addition to the above all requirements according to the Environmental Management Plan as detailed in C3.3, Particular Specifications, will be adhered to.

PS-5 Expanded Public Works Programme (EPWP) labour intensive specification**5.1. Labour Regulations****5.1.1 Payment for the labour-intensive component of the works**

Payment for works identified in the Project Specifications as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the scope of work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.

5.1.2 Applicable labour laws

The Ministerial Determination for Special Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice N° R347 of 4 May 2012, as reproduced below, shall apply to works described in the scope of work as being labour.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**5.1.3 Introduction**

This document contains the standard terms and conditions for workers employed in elementary occupations on a Special Public Works Programme (EPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a EPWP.

In this document –

- (a) “department” means any department of the State, implementing agent or contractor;
- (b) “employer” means any department, implementing agency or contractor that hires workers to work in elementary occupations on a EPWP;
- (c) “worker” means any person working in an elementary occupation on a EPWP;
- (d) “elementary occupation” means any occupation involving unskilled or semi-skilled work;
- (e) “management” means any person employed by a department or implementing agency to administer or execute an EPWP;
- (f) “task” means a fixed quantity of work;
- (g) “task-based work” means work in which a worker is paid a fixed rate for performing a task;
- (h) “task-rated worker” means a worker paid on the basis of the number of tasks completed;
- (i) “time-rated worker” means a worker paid on the basis of the length of time worked.

5.1.4 Terms of Work

5.1.4.1 Workers on a EPWP are employed on a temporary basis or Contract Basis.

5.1.5 Normal Hours of Work

5.1.5.1 An employer may not set tasks or hours of work that require a worker to work–

- (a) more than forty hours in any week
- (b) on more than five days in any week; and
- (c) for more than eight hours on any day.

5.1.5.2 An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.

5.1.5.3 A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.

5.1.6 Meal Breaks

5.1.6.1 A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.

5.1.6.2 An employer and worker may agree on longer meal breaks.

5.1.6.3 A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.

5.1.6.4 A worker is not entitled to payment for the period of a meal break.

However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.

5.1.7 Special Conditions for Security Guards

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

- 5.1.7.1 A security guard may work up to 55 hours per week and up to eleven hours per day.
- 5.1.7.2 A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.
- 5.1.8 Daily Rest Period**
- Every worker is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.
- 5.1.9 Weekly Rest Period**
- Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").
- 5.1.10 Sick Leave**
- 5.1.10.1 Only workers who work four or more days per week have the right to claim sick-pay in terms of this clause.
- 5.1.10.2 A worker who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the worker has worked in terms of a contract.
- 5.1.10.3 A worker may accumulate a maximum of twelve days' sick leave in a year.
- 5.1.10.4 Accumulated sick-leave may not be transferred from one contract to another contract.
- 5.1.10.5 An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.
- 5.1.10.6 An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.
- 5.1.10.7 An employer must pay a worker sick pay on the worker's usual payday.
- 5.1.10.8 Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –
- (a) absent from work for more than two consecutive days; or
 - (b) absent from work on more than two occasions in any eight-week period.
- 5.1.10.9 A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.
- 5.1.10.10 A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.
- 5.1.11 Maternity Leave**
- 5.1.11.1 A worker may take up to four consecutive months' unpaid maternity leave.
- 5.1.11.2 A worker is not entitled to any payment or employment-related benefits during maternity leave.
- 5.1.11.3 A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.
- 5.1.11.4 A worker is not required to take the full period of maternity leave. However, a worker may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.
- 5.1.11.5 A worker may begin maternity leave –
- (a) four weeks before the expected date of birth; or
 - (b) on an earlier date –
 - (i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or
 - (ii) if agreed to between employer and worker; or
 - (c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker

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is able to continue to work without endangering her health.

- 5.1.11.6 A worker who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.
- 5.1.12 Family responsibility leave**
- 5.1.12.1 Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances -
- (a) when the employee's child is born;
 - (b) when the employee's child is sick;
 - (c) in the event of a death of –
 - (i) the employee's spouse or life partner;
 - (ii) the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.
- 5.1.13 Statement of Conditions**
- 5.1.13.1 An employer must give a worker a statement containing the following details at the start of employment –
- (a) the employer's name and address and the name of the EPWP;
 - (b) the tasks or job that the worker is to perform; and
 - (c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract;
 - (d) the worker's rate of pay and how this is to be calculated;
 - (e) the training that the worker will receive during the EPWP.
- 5.1.13.2 An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.
- 5.1.13.3 An employer must supply each worker with a copy of these conditions of employment.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**5.1.14 Keeping Records**

- 5.1.14.1 Every employer must keep a written record of at least the following –
- (a) the worker's name and position;
 - (b) in the case of a task-rated worker, the number of tasks completed by the worker;
 - (c) in the case of a time-rated worker, the time worked by the worker;
 - (d) payments made to each worker.
- 5.1.14.2 The employer must keep this record for a period of at least three years after the completion of the EPWP.

5.1.15 Payment

- 5.1.15.1 An employer must pay all wages at least monthly in cash or by cheque or into a bank account.
- 5.1.15.2 A worker may not be paid less than the minimum EPWP wage rate of **R220.00** per day
- 5.1.15.3 A task-rated worker will only be paid for tasks that have been completed.
- 5.1.15.4 An employer must pay a task-rated worker within five weeks of the work being completed and the work being approved by the manager or the contractor having submitted an invoice to the employer.
- 5.1.15.5 A time-rated worker will be paid at the end of each month.
- 5.1.15.6 Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.
- 5.1.15.7 Payment in cash or by cheque must take place –
- (a) at the workplace or at a place agreed to by the worker;
 - (b) during the worker's working hours or within fifteen minutes of the start or finish of work;
 - (c) in a sealed envelope which becomes the property of the worker.
- 5.1.15.8 An employer must give a worker the following information in writing –
- (a) the period for which payment is made;
 - (b) the numbers of tasks completed or hours worked;
 - (c) the worker's earnings;
 - (d) any money deducted from the payment;
 - (e) the actual amount paid to the worker.
- 5.1.15.9 If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it
- 5.1.15.10 If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.

5.1.16 Deductions

- 5.1.16.1 An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law. i.e UIF
- 5.1.16.2 An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.
- 5.1.16.3 An employer who deducts money from a worker's pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.
- 5.1.16.4 An employer may not require or allow a worker to –

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- (a) repay any payment except an overpayment previously made by the employer by mistake;
- (b) state that the worker received a greater amount of money than the employer actually paid to the worker; or
- (c) pay the employer or any other person for having been employed.

5.1.17 Health and Safety

5.1.17.1 Employers must take all reasonable steps to ensure that the working environment is healthy and safe.

5.1.17.2 A worker must –

- (a) work in a way that does not endanger his/her health and safety or that of any other person;
- (b) obey any health and safety instruction;
- (c) obey all health and safety rules of the EPWP;
- (d) use any personal protective equipment or clothing issued by the employer;
- (e) report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

5.1.18 Compensation for Injuries and Diseases

5.1.18 .1 it is the responsibility of the contractor to arrange for all persons employed on a EPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.

5.1.18 .2 A worker must report any work-related injury or occupational disease to their employer or manager.

5.1.18 .3 The employer must report the accident or disease to the Compensation Commissioner.

5.1.18 .4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.

5.1.19 Termination

5.1.15.1 The employer may terminate the employment of a worker for good cause after following a fair procedure.

5.1.19.2 A worker will not receive severance pay on termination.

5.1.19.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.

5.1.19.4 A worker who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.

5.1.19.5 A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available for the balance of the 24-month period.

5.1.20 Certificate of Service

5.1.20.1 On termination of employment, a worker is entitled to a certificate stating –

- (a) the worker's full name;
- (b) the name and address of the employer;
- (c) the EPWP on which the worker worked;
- (d) the work performed by the worker;
- (e) any training received by the worker as part of the EPWP;
- (f) the period for which the worker worked on the EPWP;
- (g) any other information agreed on by the employer and worker.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**5.1.21 Contractor's default in payment to Labourers and Employees**

Any dispute between the Contractor and labourers, regarding delayed payment or default in payment of fair wages, if not resolved immediately may compel the Employer to intervene.

The Employer may, upon the Contractor defaulting payment, pay the moneys due to the workers not honoured in time, out of any moneys due or which may become due to the Contractor under the Contract.

5.1.22 Provision of Hand tools

The Contractor shall provide his labour force with hand tools of adequate quality, sufficient in numbers and make the necessary provisions to maintain the tools in good and safe working conditions.

5.1.23 Reporting

The Contractor shall submit monthly returns/reports as specified below:

- Signed Muster rolls/pay sheets of temporary workers and permanent staff detailing the number, category, gender, rate of pay and daily attendance.
- Plant utilization returns
- Progress report detailing production output compared to the programme of works , intensive and which are undertaken by unskilled or semi-skilled workers.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**5.2 Employment of unskilled and semi-skilled workers in labour-intensive works – According to SANS 1914-5.****5.2.1 Requirements for the sourcing and engagement of labour.**

5.2.1.1 Unskilled and semi-skilled labour required for the execution of all labour intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

5.2.1.2 The rate of pay set for the EPWP per task or per day is **R 220.00/day** as set out by the Maruleng Municipality.

5.2.1.3 Tasks established by the contractor must be such that:

- a) the average worker completes 5 tasks per week in 40 hours or less; and
- b) the weakest worker completes 5 tasks per week in 55 hours or less.

5.2.1.4 The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 5.2.1.3.

5.2.1.5 The Contractor shall, through all available community structures, inform the local community of the labour intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:

- a) where the head of the household has less than a primary school education;
- b) that has less than one full time person earning an income;
- c) where subsistence agriculture is the source of income.
- d) those that are not in receipt of any social security pension income

5.2.1.6 The Contractor shall endeavour to ensure that the expenditure on the employment of temporary workers is in the following proportions:

- a) 60 % women;
- b) 55% youth who are between the ages of 18 and 35; and
- c) 2% on persons with disabilities.

5.3 Specific provisions pertaining to SANS 1914-5**5.3.1 Definitions**

Targeted labour: Unemployed persons who are employed as local labour on the project.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE**5.3.2 Contract participation goals**

- 5.3.2.1 There is no specified contract participation goal for the contract. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.
- 5.3.2.2 The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes.

5.3.3 Terms and conditions for the engagement of targeted labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

5.3.4 Variations to SANS 1914-5

- 5.3.4.1 The definition for net amount shall be amended as follows:
Financial value of the contract upon completion, exclusive of any value added tax or sales tax which the law requires the employer to pay the contractor.
- 5.3.4.2 The schedule referred to in 5.2 shall in addition reflect the status of targeted labour as women, youth and persons with disabilities and the number of days of formal training provided to targeted labour.

5.3.5 Training of targeted labour

- 5.3.5.1 The contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.
- 5.3.5.2 The cost of the formal training of targeted labour will be funded by the provincial office of the Department of Labour. This training should take place as close to the project site as practically possible. The contractor, must access this training by informing the relevant provincial office of the Department of Labour in writing, within 14 days of being awarded the contract, of the likely number of persons that will undergo training and when such training is required. The employer must be furnished with a copy of this request.
- 5.3.5.3 A copy of this training request made by the contractor to the DOL provincial office must also be faxed to the EPWP Training Director in the Department of Public Works– Cinderella Makunike, Fax Number 012 328 6820 or email cinderella.makunike@dpw.gov.za Tel: 083 677 4026.
- 5.3.5.4 The contractor shall be responsible for scheduling the training of workers and shall take all reasonable steps to ensure that each beneficiary is provided with a minimum of six (6) days of formal training if he/she is employed for 3 months or less and a minimum of ten (10) days if he she is employed for 4 months or more.
- 5.3.5.5 The contractor shall do nothing to dissuade targeted labour from participating in training programmes.
- 5.3.5.6 An allowance equal to 100% of the task rate or daily rate shall be paid by the contractor to workers who attend formal training, in terms of 5.3.5.1 to 5.3.5.5 above.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

- 5.3.5.7 Proof of compliance with the requirements of 5.3.5.1 to 5.3.5.5 must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

PART C4: SITE INFORMATION

C4.1: LOCALITY PLAN

CONSTRUCTION OF DITAUNG LOW-LEVEL BRIDGE

C4.1: LOCALITY PLAN

Site Inspection

The bidder shall inform him/herself on the nature of the site and inspect the site.

The Municipality will consider a bid only if the site inspection and/or bidder's meeting arranged by the Engineer has been attended by a representative who must;

- Be suitably qualified to comprehend the implications of the work involved and
- Be the bidder him/herself or a person in the direct employ of the bidder.

Site Information

A geotechnical investigation has not been conducted on the site; therefore, no additional geotechnical information will be provided to service providers.

Site Locality

The project is in DITAUNG Village, about 58km east of Tzaneen in Maruleng Local Municipality of Mopani District Municipality