

SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

SECTION 1300/ LB1300

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
1300/ LB1300	<b>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</b>				
LB13.01	<b>Contractor's general obligations</b>				
	(a) Fixed obligations	L/Sum	1.00		
	(b) Value-related obligations	L/Sum	1.00		
	(c) Time-related obligations	month	24.00		
	<b>Note :</b> The sum tendered for the total for Subitems LB13.01(a), LB13.01(b) and LB13.01(c) shall not exceed twenty percent (20%) of the tender amount				
LB13.02	<b>Environmental requirements</b>	month	24.00		
LB13.03	<b>Workmen's Compensation and Social Security</b>				
	(a) Provisional sum for contributions in terms of the Workmen's Compensation Act and the Social Security Act	P/Sum			
	(b) Handling costs and profit percentage in respect of Subitem LB13.03(a)	%			
LB13.04	<b>Training of supervisors</b>	P/Sum	1.00	55,000.00	55,000.00
LB13.05	<b>Supervision of labourers and setting out of work</b>	L/Sum			
LB13.06	<b>Tools and equipment</b>	L/Sum			
LB13.07	<b>Construction sign boards</b>	No	2		
LB13.08	<b>Contractor's Quality Control</b>	L/Sum	1.00		
<b>Carried Forward</b>					

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
<b>Brought forward</b>					
<b>LB13.09</b>	<b>Survey and setting-out of the road</b>				
	(a) Horizontal control, triangulation and traverses				
	(i) Traversing to establish geodetic control	km	28.00		
	(ii) Co-ordination of points of intersection (PI's)	km	28.00		
	(b) Reference pegs				
	(i) Placing reference pegs at 500m intervals	No	56.00		
	(ii) Placing additional reference pegs	No	20.00		
	(iii) Levelling of reference pegs	km	28.00		
	(c) Levelling of cross-section ground lines (20m intervals)	km	28.00		
<b>LB13.10</b>	<b>Aids Awareness Training</b>				
	(a) Provisional sum for Aids Awareness Training with an approved service provider	P/Sum	1	32 700.00	<b>32,700.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB13.10(a)	%	32,700.00		
<b>LB13.11</b>	<b>Provisional Sum to be used for Compensation purposes</b>				
	(a) Compensation Payments for borrow pits and road reserve	P/Sum	1	152 600.00	<b>152,600.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB13.11(a)	%	152,600.00		
<b>LB13.12</b>	<b>Provision of tents and mobile toilets to accommodate task workers</b>				
	(a) Provisional sum for tents and mobile toilets	P/Sum	1.00	272 500.00	<b>272,500.00</b>
	(b) Handling costs and profit percentage in respect of Subitem PS13.12(a) and (b)	%	272,500.00		
<b>PS13.13</b>	<b>(a) Provision of Acceptance Control by External Laboratory</b>	Prov.sum	1.00	109 000.00	<b>109,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB13.13(a)	%	109,000.00		
<b>PS 13.14</b>	<b>(a) Provisional sum for groundbreaking and inauguration procedures</b>	Prov.sum	1	327 000.00	<b>327,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB13.14(a)	%	327,000.00		
<b>PS 13.15</b>	<b>(a) Provisional sum for Water Connection to Public Supplier's Network</b>	Prov. Sum	1.00	76 300.00	<b>76,300.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB13.15(a)	%	76,300.00		
<b>PS 13.16</b>	<b>(a) Provisional sum for Provision and Maintenance of Personal Protective Equipment (PPE)</b>	Prov. Sum	1.00	218 000.00	<b>218,000.00</b>
	(b) Handling costs and profit percentage in respect of sub-item LB13.16(a)	%	218,000.00		
<b>PSxxxx</b>	<b>Relocation of Plant and Equipment to Onamata(San Community) and to D4121 Epumba Londjamba</b>	No	2		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-3

SECTION LB1400

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB1400	<b><u>HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</u></b>				
LB14.11	<b>Housing, offices and laboratory accommodation for the Engineer's site personnel</b>				
	(a) Provisional sum for housing, office and laboratory accommodation	P/Sum	1	350 000.00	<b>350,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB14.11(a) (State % and extend as an amount)	%	350,000		
LB14.12	<b>Office and laboratory furniture</b>				
	(a) Provisional sum for providing office and laboratory furniture	P/Sum	1	50 000.00	<b>50,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB14.12(a) (State % and extend as an amount)	%	50,000		
LB14.13	<b>Telephone service</b>				
	(a) Provisional sum for provision of telephone service, including the cost for calls and consumables	P/Sum	1	50 000.00	<b>50,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB14.13(a) (State % and extend as an amount)	%	50,000		
LB14.14	<b>Office and laboratory fittings, installations and equipment</b>				
	(a) Provisional sum for office and laboratory fittings, installations and equipment	P/Sum	1	50 000.00	<b>50,000.00</b>
	(C) Handling costs and profit percentage in respect of Subitem LB14.14(a) (State % and extend as an amount)	%	50,000		
Carried Forward					

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
<b>Brought forward</b>					
<b>LB14.15</b>	<b>Services</b>				
	(a) Provisional sum for providing services for housing, offices and laboratory	P/Sum	1	60 000.00	<b>60,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB14.15(a) (State % and extend as an amount)	%	60,000		
<b>LB14.16</b>	<b>Photostat facilities</b>				
	(a) Provisional sum for providing photostat facilities, including the cost of copies	P/Sum	1	35 000.00	<b>35,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB14.16(a) (State % and extend as an amount)	%	35,000		
<b>LB14.17</b>	<b>Provision of semi-skilled labour for use by the Engineer</b>				
	(a) Provisional sum for providing semi-skilled labour	P/Sum	1	250 000.00	<b>250,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem LB14.17(a) (State % and extend as an amount)	%	250,000		
<b>PS14.18</b>	<b>Provision of motor vehicle for use by the Engineer</b>				
	(a) Four-wheel drive LDV's				
	(i) TOYOTA Hilux 2.4 GD - 6 RAIDER Double-cab 4x4	No	1		
	(i) TOYOTA Hilux 2.4 GD - 6 RAIDER Single-cab 4x4	No	1		
	(b) Kilometres travelled				
	(i) TOYOTA Hilux 2.4 GD - 6 RAIDER Double-cab 4x4	km	90,000		
	(i) TOYOTA Hilux 2.4 GD - 6 RAIDER Single-cab 4x4	km	90,000		
<b>PS14.19</b>	Survey equipment for use by the Engineer	month	24		
<b>PS 14.20</b>	<b>Provision of Boreholes for use of Construction Water</b>				
	(a) Provisional Sum for constructing boreholes including fittings, installations and equipment	Prov.sum	1	2 000 000.00	<b>2,000,000.00</b>
	(b) Handling costs and profit percentage in respect of Subitem PS14.20(a)	%	2,000,000		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-5

SECTION LB1500

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB1500	<b>ACCOMMODATION OF TRAFFIC</b>				
PS15.01	Accommodating traffic and maintaining diversions	month	24		
LB15.02	<b>Construction of diversions</b>				
	(a) Clearing by manual labour	km	20		
	(b) Shaping by manual labour	km	20		
	(c) Compacting	km	28		
LB15.03	<b>Temporary traffic-control facilities</b>				
	(c) Road signs, R- and TR series, 1200 mm dia.	No.	10		
	(d) Road signs, W- and TW-series, 1500mm sides	No.	0		
	(f) Danger plates and delineators	No.	10		
	(g) Movable barricades (chevron and ROAD CLOSED types)	No.	9		
	(h) Drums	No.	8		
LB15.04	<b>Re-use or removal of traffic-control facilities</b>	L/sum	1		
LB15.05	<b>Watering of deviations</b>	kl	150		
LB15.06	<b>Manual repair of diversions and existing roads used as diversions</b>	m <sup>2</sup>			Rate only
LB15.07	<b>Blading of diversions and existing roads used as diversions</b>	km-pass	3000		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-6

SECTION LB1700

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
<b>LB1700</b>	<b><u>CLEARING AND GRUBBING</u></b>				
<b>LB17.01</b>	<b>Clearing using manual labour</b>				
	(a) Clearing areas within the road reserve				
	(i) Grassland	m <sup>2</sup>	18,150		
	(ii) Scattered bush	m <sup>2</sup>	18,150		
	(iii) Medium dense bush	m <sup>2</sup>	18,150		
	(iv) Dense bush	m <sup>2</sup>	785,550		
	(b) Clearing areas within borrow pits outside the road reserve	m <sup>2</sup>	57,787		
<b>LB17.02</b>	<b>Grubbing using manual labour</b>				
	(a) Grubbing areas within the road reserve				
	(i) Grassland	m <sup>2</sup>	18,150		
	(ii) Scattered bush	m <sup>2</sup>	18150		
	(iii) Medium dense bush	m <sup>2</sup>	18150		
	(iv) Dense bush	m <sup>2</sup>	785550		
	(b) Grubbing areas within borrow pits outside the road reserve	m <sup>2</sup>	57787		
<b>LB17.03</b>	<b>Removal and grubbing of large trees and tree stumps</b>				
	(a) Girth exceeding 500mm up to and including 1000mm	No.	9200		
	(b) Girth exceeding 1000mm up to and incl. 1500mm	No.	2360		
	(c) Girth exceeding 1500mm up to and incl. 2000mm	No.	690		
	(d) Girth exceeding 2000mm up to and incl. 2500mm	No.	180		
<b>LB17.04</b>	<b>Stump only removal</b>				
	Payment for stump only removal will be at a rate of 70% of the tendered rate for removal of large trees under item LB17.03	P/ SUM	1		
<b>LB17.05</b>	<b>Termite and ant control</b>				
	(a) Excavation and backfilling	m <sup>3</sup>	240		
	(b) Spot treatment of termite and ant nests	No	17		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-7

SECTION LB1800

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB1800	<b>DAYWORKS</b>				
LB18.01	<b>Labour charges</b>				
	(a) Labourer - skilled	h	120		
	(b) Labourer - semi skilled	h	180		
	(c) Labourer - unskilled	h	420		
	(d) Locating existing underground services by task workers	task	220		
LB18.02	<b>Material charges</b>				
	(a) Actual cost of material (excluding VAT)	P/Sum	1	60 000.00	60,000.00
	(b) Handling cost in respect of Subitem LB18.02(a) (State % and extend as an amount)	%	60,000		
LB18.03	<b>Plant charges</b>				
	(a) Backhoe CAT 428 or similar	h	30		
	(b) Excavator CAT 325 or similar	h	150		
	(c) Bulldozer CAT D7 or similar	h	25		
	(d) Grid-Roller	h	150		
	(d) Motor Grader	h	80		
	(e) Other plant not specified above	P/Sum	1	163,500	163,500.00
<b>TOTAL CARRIED TO SUMMARY</b>					

SECTION LB2100

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB2100	<u>DRAINS</u>				
LB21.01	Excavation for open drains				
	(a) Hand excavating soft material situated within the following depth ranges below the surface level :				
	(i) 0 m up to 1,5 m	m <sup>3</sup>	470		
	(b) Hand excavating intermediate material situated within the following depth ranges below the surface level :				
	(i) 0 m up to 1,5 m	m <sup>3</sup>	130		
TOTAL CARRIED TO SUMMARY					

#REF!

C3-9

#REF!

**SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
(28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA ) SECTION LB2200**

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB2200	<b>CULVERTS</b>				
LB22.01	<b>Excavation</b>				
	(a) Hand excavating soft material situated within the following depth ranges below the surface level :				
	(i) 0 m up to 1,5 m	m <sup>3</sup>	600.00		
	(ii) Exceeding 1,5 m and up to 3,0 m	m <sup>3</sup>	--		
	(b) Hand excavating intermediate material situated within the following depth ranges below the surface level :				
	(i) 0 m up to 1,5 m	m <sup>3</sup>	180.00		
LB22.02	<b>Backfilling</b>				
	(a) Using the excavated material	m <sup>3</sup>	740.00		
	(b) Using imported selected material	m <sup>3</sup>	120.00		
	(c) Soil cement backfill (5% cement)	m <sup>3</sup>	110.00		
	(d) Concrete backfill (Class 15/19)	m <sup>3</sup>	18.00		
LB22.03	<b>Dewatering and keeping dry of culvert excavations</b>	No.	11.00		
LB22.05	<b>Cast in situ concrete and formwork</b>				
	encasing of pipes, including formwork (Class 15/19)	m <sup>3</sup>	25.00		
	including formwork and class U2 surface finish (Class 20/19)	m <sup>3</sup>	173.00		
	(c) In walls and deck slabs for rectangular culverts, excluding formwork but including		229.00		
<b>Carried Forward</b>					

#REF!

#REF!

**SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
(28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA ) SECTION LB2200**

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	
<b>Brought forward</b>					
	(d) Formwork of concrete Subitem LB22.06(c)				
	(i) Vertical formwork (class F2 surface finish)	m <sup>2</sup>	920.00		
	(ii) Horizontal formwork (class F2 surface finish)	m <sup>2</sup>	280.00		
	(iii) Vertical: plastic sheeting of 150micron between concrete and earth embankment (fill)	m <sup>2</sup>	293.00		
<b>LB22.06</b>	<b>Steel reinforcement</b>				
	(a) Mild steel bars	ton	--		
	(b) High tensile steel bars	ton	18.90		
	(c) Welded steel fabric	kg	2,685.00		
<b>LB22.10</b>	<b>Prefabricated cover slabs for rectangular culverts (as shown on the drawings)</b>				
		No	865.00		
<b>LB22.11</b>	<b>Geofabric placed on cover slabs of rectangular culverts</b>				
		m <sup>2</sup>	208.00		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-11

LB3100

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB3100	<b><u>BORROW MATERIALS</u></b>				
LB31.01	<b>Excess overburden</b>				
	(a) Removal of overburden (soft material) by manual labour and situated in the following depth ranges				
	(i) 0 m up to 1,0 m	m <sup>3</sup>	11,930		
	(ii) 1,0 m up to 2,0 m	m <sup>3</sup>	2,460		
	(b) Removal of overburden (intermediate material) by manual labour and situated in the following depth ranges				
	(i) 0 m up to 1,0 m	m <sup>3</sup>	4,910		
	(ii) 1,0 m up to 2,0 m	m <sup>3</sup>			
	(c) Removal of overburden using constructional plant and irrespective of depth	m <sup>3</sup>	74,000		
	Finishing-off borrow areas and stockpiled overburden using manual labour				
	(a) Borrow areas	m <sup>2</sup>	71,790		
	(b) Stockpiled overburden	m <sup>2</sup>	14,730		
LB31.03	<b>Replacing, spreading and finishing-off excess overburden in borrow areas</b>				
	(a) Using manual labour	m <sup>3</sup>	11,930		
	(b) Using constructional plant	m <sup>3</sup>	49,640		
LB31.04	<b>Construction of haul roads to borrow pits (4m wide)</b>				
	(a) Clearing by manual labour	km			
	(b) Shaping by manual labour	km	12.0		
	(c) Compacting	km	13		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-12

LB3300

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB3300	<b>MASS EARTHWORKS</b>				
LB33.01	<b>Cut and borrow to fill, including manual free-haul up to 15m</b>				
(a)	Hand excavating soft material and sand	m³	12,030		
(b)	Hand excavating intermediate material	m³	5,750		
(c)	Hand excavating hard material	m³	2,830		
LB33.02	<b>Cut and borrow to fill</b>				
(a)	Hand excavating and loading by manual labour, but excluding equipment-based haul				
(i)	Soft excavation and sand	m³			
(ii)	Intermediate excavation	m³	2,740		
(iii)	Hard excavation	m³	1370		
(b)	Excavating by constructional plant and loading by manual labour, but excluding equipment-based haul (all classes of material)				
(i)	Excavating by constructional plant	m³	4,110		
(ii)	Loading by manual labour	m³	1,370		
(c)	Excavating and loading by constructional plant, but excluding equipment-based haul (all classes of material)	m³	40,090		
(d)	Spreading by manual labour (Extra over Subitems LB33.02(a), (b) and (c))	m³	27,680		
LB33.03	<b>Processing and compacting of fill material</b>				
(a)	Compacted to 90% of modified AASHTO density in compacted layer thicknesses of 200mm or less	m³	940		
(b)	Compacted to 93% of modified AASHTO density in compacted layer thicknesses of 200mm or less	m³	40,090		
(c)	Pioneer layer (as specified in subclause PS 3306(d))	m³	34,630		
<b>Carried Forward</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-13

LB3300

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
<b>Brought Forward</b>					
<b>LB33.04</b>	<b>Processing and compacting of sand fills (as described in Clause LB3302)</b>				
	(a) Non-plastic sand with up to 20% passing through the 0,75mm sieve, compacted to 100% of modified AASHTO density	m <sup>3</sup>	7,970		
	(b) Non-plastic sand with more than 20% passing through the 0,75mm sieve, compacted to 95% of modified AASHTO density	m <sup>3</sup>	5,650		
<b>LB33.05</b>	<b>Extra over items LB33.03 and LB33.04 for shaping and finishing off the top of fill layer to the specified tolerances</b>	m <sup>2</sup>	210,200		
<b>LB33.06</b>	<b>Cut to spoil, including manual free-haul up to 15m. Material obtained from :-</b>				
	(a) Hand excavating soft material and sand	m <sup>3</sup>	4,890		
	(b) Hand excavating intermediate material	m <sup>3</sup>	940		
<b>LB33.07</b>	<b>Removal of unsuitable, unstable material by manual labour</b>	m <sup>3</sup>	1,180		
<b>LB33.08</b>	<b>Roadbed preparation and compaction</b>				
	(a) Roadbed preparation using manual labour	m <sup>2</sup>	75,660		
	(b) Processing and compacting of roadbed material				
	(i) Compaction to 90% of modified AASHTO density	m <sup>3</sup>	10,090		
	(ii) Compacted to 93% of modified AASHTO density	m <sup>3</sup>	35,180		
<b>Carried Forward</b>					

## ROADS AUTHORITY

C3-12

PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026

SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
(28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

LB3300

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
<b>Brought Forward</b>					
LB33.09	<b>Three roller passes compaction</b>				
	(a) Heavy pneumatic tyred roller	m <sup>2</sup>	5,000		
	(b) Vibratory roller	m <sup>2</sup>	10,000		
	(c) Grid roller	m <sup>2</sup>	7,500		
LB33.10	<b>A variation in the number of roller passes (applicable to Item LB33.09)</b>				
	(a) Heavy pneumatic tyred roller	m <sup>2</sup> -pass	--		<b>Rate only</b>
	(b) Vibratory roller	m <sup>2</sup> -pass	--		<b>Rate only</b>
	(c) Grid roller	m <sup>2</sup> -pass	--		<b>Rate only</b>
LB33.11	<b>Finishing-off cut and fill slopes</b>				
	(a) Cut slopes	m <sup>2</sup>	19,000		
	(b) Fill slopes	m <sup>2</sup>	168,000		
LB33/ LB16.02	<b>Equipment-based overhaul on material hauled in excess of a free-haul distance of 1,0 km</b>	m <sup>2</sup> -km	181,930		
LB33/ LB16.03	<b>Restricted overhaul: Equipment-based overhaul of material hauled for up to or through a distance of 1,0km</b>	m <sup>3</sup>	62,320		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-14

SECTION LB 3400

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
<b>LB 3400</b>	<b><u>PAVEMENT LAYERS OF GRAVEL MATERIAL</u></b>				
<b>LB34.01</b>	<b>Gravel material obtained from borrow pits, including equipment-based free-haul up to 1.0 km</b>				
	(a) Excavating by constructional plant and loading by manual labour (all classes of material)				
	(i) Excavating by constructional plant	m³	6,160		
	(ii) Loading by manual labour	m³			
	(b) Excavating and loading by constructional plant (all classes of material)	m³	42,800		
	(c) Extra over Subitems LB34.01 (b) for ripping hard material	m³	22,840		
	(d)(ii) Spreading by manual labour (Extra over Subitem LB34.01(b))	m³			
<b>LB34.02</b>	<b>Processing and compacting of gravel pavement layers</b>				
	(a) Selected subgrade compacted to 93% of modified AASHTO density	m³			
	(b) Gravel wearing course compacted to: (ii) 95% of modified AASHTO density	m³	42,800		
<b>LB34.03</b>	<b>Mixing of materials from different sources (extra over Subitem LB34.02)</b>				
	(a) By adding a soil binder	m³	3,000		
	(b) By mixing materials from different sources	m³	4,930		
<b>LB34/ LB16.02</b>	<b>Equipment-based overhaul of material hauled in excess of a free-haul distance of 1,0 km</b>	m³-km	212,940		
<b>LB34/ LB16.03</b>	<b>Restricted overhaul: Equipment-based overhaul of material hauled for up to or through a distance of 1,0km</b>	m³	42,800		
<b>LB34.04</b>	<b>Mixing of materials from different sources (extra over subitem LB34.02)</b>	m³	-		Rate only
<b>TOTAL CARRIED TO SUMMARY</b>					

#REF!

C3-15

#REF!

**SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
(28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA ) SECTION LB5300**

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB5300	GUIDE BLOCKS, ROAD RESERVE MARKER BLOCKS AND KILOMETRE POSTS				
PS53/ LB56.01	Hazard Marker Sign Board with painted or coloured background (c ) Sheet Steel (Chromadek) (i) Area not exceeding 2m2	No.	51.00		
LB53.02	Road reserve marker block as per drawing (20 MPa Concrete)	No.	47.00		
LB53.03	Kilometre posts	No.	4.00		
PS53.04	Duct marker blocks as per drawing (20 Mpa Concrete)	No.	16.00		
LB53/ LB56.05	Extra over Item LB 53.02, LB53.03, PS53.04 for cement-treated	m <sup>3</sup>	9.00		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-16

SECTION LB5500

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB5500	<b>FENCING</b>				
LB55.01	Clearing the fence line, 2 m wide strip	km	14		
LB55.02	Supply and erect new fencing material for new fences and for supplementing material for existing fences which are being repaired or removed				
	(a) Barbed wire, galvanised 3,15 x 2,5mm	km	30		
	(b) Smooth wire, galvanised 2,24mm	km	110		
	(c) Diamond mesh	m <sup>2</sup>	17300		
	(d) Wire netting	m <sup>2</sup>	12500		
	(f) Straining posts, 2500mm long, 150mm dia	No.	170		
	(g) Standards, 2100mm long, 150mm diameter	No.	220		
	(h) Droppers, 1200mm long, wooden	No.	5,270		
	(j) Timber posts				
	(i) 1200mm long, 100mm diameter	No.	150		
	(ii) 1800mm long, 100mm diameter	No.	100		
	(iii) 2400mm long, 150mm diameter	No.	70		
LB55.03	<b>New gates</b>				
	(a) Single leaf, standard 4,25m W-type	No.	42		
LB55.05	<b>Dismantling existing fences</b>	km			
LB55/56.05	Extra over Item LB55.02(j) for cement-treated soil backfill (5% cement)	m <sup>3</sup>	170.00		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-17

SECTION LB5600

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB5600	<b>ROAD SIGNS</b>				
LB56.01	Road sign boards with painted or coloured background. Symbols, letters and borders in engineering-grade retro-reflective material, where the sign board is constructed from -				
	(c) Sheet steel (chromadek)				
	(i) Area not exceeding 2 m <sup>2</sup>	m <sup>2</sup>	84.00		
	(ii) Area exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	m <sup>2</sup>	60.00		
LB56.02	Extra over Item LB56.01 for using :-				
	(a) Background of retro-reflective material of :-				
	(i) Engineering grade	m <sup>2</sup>	144.00		
	(b) Lettering, symbols and borders of retro-reflective material of -				
	(i) High intensity	m <sup>2</sup>	43.20		
LB56.03	Road sign supports				
	(a) Steel tubing	t	5.00		
LB56.04	Excavation and backfilling for road signs supports	m <sup>3</sup>	50.00		
LB56.05	Extra over Item LB56.04 for cement-treated soil backfill (5% cement)	m <sup>3</sup>	117.00		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-18

SECTION LB5900

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB5900	<u>FINISHING THE ROAD AND ROAD RESERVE</u>				
LB59.01	Finishing the road and road reserve using manual labour only	km	28.00		
LB59.02	Treatment of old roads and temporary diversions using manual labour only	km	28.00		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-19

SECTION LB8500

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB8500	<u>LABORATORY INSPECTIONS</u>				
LB85.01	Laboratory inspections				
	Inspection of site laboratory	P/Sum	1	50,000.00	50,000.00
LB85.02	Handling costs and profit percentage in respect of Subitem LB85.01 (State % and extend as an amount)	%	50,000		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-20

SECTION LB9100

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
LB9100	<b>TRAINING OF ROAD BUILDERS AND ARTISANS</b>				
LB91.01	<b>Training of Road Builders and Artisans</b>				
	(a) Provision sum for payments to accredited trainer and external moderator (actual costs excluding VAT)	P/Sum	1	80 000.00	80,000.00
	(b) Handling costs and profit percentage in respect of Subitem LB91.01(a) (State % and extend as an amount)	%	80,000		
LB91.02	<b>SME Contractor support</b>	month			
LB91.03	<b>External SME support in project management</b>				
	(a) Provisional sum for payments to accredited trainer and external moderator to provide additional project management training for SME contractor	P/Sum	1	350 000.00	350,000.00
	(b) Handling costs and profit percentage in respect of Subitem LB91.03(a) (State % and extend as an amount)	%	350,000		
<b>TOTAL CARRIED TO SUMMARY</b>					

ROADS AUTHORITY  
 PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026  
 SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS FOR D3624- OMUNDAUNGILO TO OMBOLOKA  
 (28km EASTERN ACCESS ROAD BETWEEN OSHUULI AND OMBOLOKA )

C3-21

SECTION PS10300

PAY Item	DESCRIPTION	UNIT	QUANTITY	RATE (N\$)	AMOUNT (N\$)
PS10300	<b>ACCOMMODATION OF SERVICES</b>				
PS103.1	<b>Supply, lay and bed service pipe (complete with couplings):</b>				
	(a) 20 mm HDPE pipe Class 9	m	400		
	(b) 25 mm HDPE pipe Class 9	m	500		
	(c) 110 mm PVC sleeves	m	500		
	(d) 200 mm uPVC pipe Class 9	m	400		
PS103/ LB22.01	<b>Excavation</b>				
	(a) Hand excavating soft material situated within the following depth ranges below the surface level				
	(i) 0m up to 1.5m	m <sup>3</sup>			
	(b) Hand excavating intermediate material situated within the following depth ranges below the surface level				
	(i) 0m up to 1.5m	m <sup>3</sup>	190		
PS103/ LB22.02	<b>Backfilling</b>				
	(a) Using the excavated material	m <sup>3</sup>	300		
	(b) Using imported selected material	m <sup>3</sup>	70		
PS103.2	<b>Placing of Duct Marker Blocks</b>	No.	58		
PS103.3	<b>Relocating of services by Service Provider</b>	P/Sum	1	350 000.00	350,000.00
	Handling costs and profit percentage in respect of Subitem PS103.3	%	350,000		
<b>TOTAL CARRIED TO SUMMARY</b>					

**ROADS AUTHORITY**

**PROCUREMENT REFERENCE NO. W/ONB/RA-03/2026**

**THE LABOUR-BASED CONSTRUCTION OF GRAVEL DISTRICT ROAD D3624:  
OMUNDAUNGILO TO OMBOLOKA (28 KM EASTERN ACCESS ROAD BETWEEN  
OMUNDAUNGILO AND OSHUULI) IN THE OHANGWENA REGION**

**SUMMARY OF SCHEDULE C3: EQUIPMENT-BASED ROAD WORKS**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>TOTAL</b>
LB1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	N\$
LB 1400	HOUSING, OFFICES AND LABORATORIES FOR ENGINEER'S SITE STAFF	N\$
LB1500	ACCOMMODATION OF TRAFFIC	N\$
LB1700	CLEARING AND GRUBBING	N\$
LB1800	DAYWORKS	N\$
LB2100	DRAINS	N\$
LB2200	CULVERTS	N\$
LB3100	BORROW MATERIALS	N\$
LB3300	MASS EARTHWORKS	N\$
LB3400	PAVEMENTG LAYERS OF GRAVEL MATERIAL	N\$
LB5300	GUIDE BLOCKS, ROAD RESERVE MARKER BLOCKS	N\$
LB5500	FENCING	N\$
LB5600	ROAD SIGNS	N\$
LB5900	FINISHING THE ROAD AND ROAD RESERVE	N\$
LB8500	LABORATORY INSPECTIONS	N\$
LB9100	TRAINING OF ROAD BUILDERS AND ARTISANS	N\$
PS 10300	ACCOMMODATION OF SERVICES	N\$
<b>TOTAL OF SCHEDULE OF QUANTITIES: PLANT-BASED WORK</b>		<b>N\$</b>

\_\_\_\_\_  
SIGNED BY PLANT CONTRACTOR

\_\_\_\_\_  
DATE