



**PROCUREMENT DOCUMENT**

**RFT NUMBER: NHBRC 17/2021: REQUESTS FOR TENDERS FOR THE APPOINTMENT OF A SUITABLE CONTRACTOR FOR THE CONSTRUCTION OF ADDITIONAL PARKING BAYS FOR NHBRC HEAD OFFICE**



SECTION 1200AA/AB: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
A.	SANS 1200 AA & AB	GENERAL OBLIGATIONS (Small works) and ENGINEER'S OFFICE				
A.1.		The Contractor's General Obligations				
A.1.1.	8.3	(a) Fixed obligations	L/sum	1.0		
A.1.2.	8.3	(b) Value-related obligations	L/sum	1.0		
A.1.3.	8.4	(c) Time-related obligations	L/sum	1.0		
A.1.4.	8.5	(d) Temporary works	L/Sum	1.0		
Total Carried Forward						

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SECTION 1 - 1200DB: SITE CLEARANCE

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
D.	SANS 1200 DB	SITE CLEARANCE				
D.1.	8.2.1	Clear and grub the entire designated area to a nominal depth of 100mm and dispose of surplus material on a site located by the Contractor and approved by the Engineer.	m <sup>2</sup>	2000.0		
D.2.		EXCAVATION AND BACKFILLING				
D.2.1.	8.3.2	(a) Excavate in all materials and compact insitu to 95% mod AASHTO density and dispose of surplus and unsuitable materials , within the freehaul distance for roadbed				
D.2.1.1.		Up to 1m deep	m <sup>3</sup>	350.0		
D.2.2.	8.3.2	(b) Extra over items 8.3.2 (a) for				
D.2.2.1.		Intermediate excavation	m <sup>3</sup>	10.0		
D.2.2.2.		Hard rock excavation	m <sup>3</sup>	10.0		
D.2.3.	8.3.2	(c) Excavate unsuitable material from trench bottom, dispose within the freehaul distance , and re-fill with suitable imported material compacted to 95% mod AASHTO density (Provisional)	Prov Sum	1.0		
D.3.		EXCAVATION ANCILLARIES				
D.3.1	8.3.3	Make up deficiency in backfill material (Provisional)				
D.3.1.1		(a) From other necessary excavations on site	Prov Sum	1.0		
D.4.		ADDITIONAL COMPACTION				
D.4.1.	8.3.3	Compaction in road reserves				
D.4.1.1		Additional compaction to 95% mod AASHTO density in road reserves	m <sup>3</sup>	10.0		
D.5.		STORWATER TRENCHES				
D.5.1.	8.3.2	Pipe Trenches (Earthworks). 1200mm wide up to 600mm diameter				
D.5.1.1		(a) Excavate in all material for pipe trenches, backfill and compact, dispose of excess unsuitable material to depth no exceeding				
D.5.1.1.1		(i) 0.5m	m	Rate Only		
D.5.1.1.2		(ii) 1m	m	Rate Only		
D.5.1.1.3.		(iii) 1.5m	m	15.0		
D.5.1.2		(a) Trimming of trenches by hand to required levels	m	15.0		
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SECTION 1 - 1200LB/LE: STORMWATER

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
E.		STORMWATER PIPES				
E.1.	SANS 1200 LB	BEDDING				
E.1.1	8.2.2.1	(a) Selected granular material	m <sup>3</sup>	10.0		
E.1.2.		(b) Selected fill blanket	m <sup>3</sup>	10.0		
E.2	SANS 1200 LE	PIPES				
E.2.1.	8.2.1	(a) Supply, handle, lay in Class B bed, new 450mm dia class 75D concrete interlocking pipes	m	10.0		
E.3.	8.2.8	CATCTPITS (GRITINLETS)				
E.3.1.		(a) Supply all material and labour to construct reinforced concrete grid inlet as detailed on drawing number. 002 and 003.	No	2.0		
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LAYERS

SECTION 1200ME/MF/MJ: PAVEMENT LAYERS OF GRAVEL MATERIAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
F.		PAVEMENT LAYERS				
F.1.		Pavement layers constructed from gravel material obtained from cut, borrow or commercial sources				
F.1.1.		(a) Gravel selected layer compacted to:				
F.1.1.1.	SANS 1200 MF	(i) 88% of mod AASHTO density ( G2 compacted layer thickness 150mm)	m <sup>3</sup>	600.0		
F.1.1.2.	SANS 1200 ME	(i) 95% of mod AASHTO density ( G5 compacted layer thickness 150mm)	m <sup>3</sup>	600.0		
F.1.2.		(b) Stabilizing agents				
F.1.2.1.		(i) Process with UCS>0.8	m <sup>3</sup>	600.0		
F.1.2.2.		(ii) Portland Cement	Ton	5		
F.1.2.3.		(iii) Road Lime	Ton	5		
F.2.		Segmented Paving				
F.2.1.	SANS 1200 MJ	(a) Colour to match existng blocks (Zig-Zag 220 x 110 x 80mm)	m <sup>2</sup>	2000		
	SANS 1200 PF	TESTING MATERIALS AND WORKMANSHIP				
		Other special tests requested by the engineer	Prov sum	1.0		
		(i) Handling Fee for item 81.02	%	1.0		
Total Carried Forward						

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**SECTION 1 - 1200MK: KERBING AND CHANNELING**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
G.	SANS 1200 MK	KERBING AND CHANNELING				
G.1.		Construct Fig.3 precast concrete semi-mountable kerbing on top of sub-base (150mm wide x 300mm high). Rate shall include the transition kerbing:				
G.1.1.	8.2.2	(a) Straight kerbs	m	200.0		
G.1.2.	8.2.3	(b) Curved kerbing ( Radius 1m up to 12m, 0.3m length)	m	25.0		
Total Carried Forward						

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SECTION 1200MM: ROAD MARKINGS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
H.	SANS 1200 MM	ROAD MARKINGS				
H.1.		Retro Reflective road marking using Thermo Plastic Paint				
H.1.1.		(a) White lines (broken or unbroken)				
H.1.1.1.		(i) 100 mm wide	m	650.0		
H.1.1.2.		(ii) 150 mm wide	m	15.0		
H.1.1.3.		(iii) 200 mm wide	m	15.0		
H.1.2.		(b) Yellow lines (broken or unbroken)				
H.1.2.1.		(ii) 100 mm wide	m	500.0		
H.1.2.2.		(iii) 150 mm wide	m	60.0		
H.1.3.		(d) White lettering and symbols	m <sup>2</sup>	30.0		
H.1.4.		(e) Yellow lettering and symbols	m <sup>2</sup>	25.0		
H.1.5.		(f) Transverse lines, painted island and arrestor bed markings (any colour)	m <sup>2</sup>	200.0		
H.2.		Dismantling and storing road signs with a surface area of:				
H.2.1.		(a) Up to 2 m <sup>2</sup>	No.	4.0		
H.2.2.		(b) Exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	No.	2.0		
H.2.3.		(c) Exceeding 10 m <sup>2</sup>	No.	2.0		
H.3.		Hazard marker signs, fully retro-reflective in Class I retro-reflective sheeting				
H.3.1.		(a) 600 mm x 150 mm	No.	2.0		
H.3.2.		(b) 1000 mm x 250 mm	No.	2.0		
Total Carried Forward						

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SECTION 1200PD: ROAD SIGNS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
J.	SANS 1200 PD	ROAD SIGNS				
J.1.		Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in Class 1 retro-reflective material, where the sign board is constructed from:				
J.1.1.		(c) Prepainted galvanized steel plate (chromadek 1,4 mm thick or approved equivalent):				
J.1.1.1.		(i) Area not exceeding 2 m <sup>2</sup>	m <sup>2</sup>	4.0		
J.1.1.2.		(ii) Area exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	m <sup>2</sup>	2.0		
J.1.1.3.		(iii) Area exceeding 10 m <sup>2</sup>	m <sup>2</sup>	2.0		
J.2.		Road sign supports (overhead road sign structures excluded):				
J.2.1.		(a) Steel tubing				
J.2.1.1.		(i) 76 mm dia x 2 mm	m	4.0		
J.2.1.2.		(i) 100 mm dia x 4 mm	m	4.0		
J3.		Kilometre posts	No.	10.0		
J.4.		Excavation and backfilling for road sign supports (not applicable to kilometre posts)	m <sup>3</sup>	20.0		
J.4.1.		(a) Extra over item 56.05 for cement-treated soil backfill	m <sup>3</sup>	2.0		
J.4.2.		(b) Extra over item 56.05 for rock excavation	m <sup>3</sup>	1.0		
J.5.		Dismantling, storing and re-erecting road signs with a surface area of:				
J.5.1.		(a) Up to 2 m <sup>2</sup>	No.	4.0		
J.5.2.		(b) Exceeding 2 m <sup>2</sup> but not 10 m <sup>2</sup>	No.	2.0		
J.5.3.		(c) Exceeding 10 m <sup>2</sup>	No.	2.0		
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**SECTION 5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
K.	SANS 1200 PG	NEW SHADEPORT				
K.1.		Supply and install new shadeports complete: Columns 152 x 4mm CHS, hoops 48 x 2mm CHS , rigde beams 76 x 2mm CHS, lattice arms/tie back 48 x 2mm CHS. SABS approved Net 95% UV Blockout Z25 construction, Concrete cast 25MPA 900 x 400 x 400				
K.1.1.		(a) 47 meters made up of 6 custom made size back to back cantiliver structure (Custom made size as per drawing number 004 and 005)	m			
K.1.2.		(b) 125 meters made up of 17 custom made size coupled cantiliver structure (Custom made size as per drawing number 004 and 005)	m			
K.2.	SANS 1200 HC	PAINT WORK				
K.2.1.		(a) At least two coats alkyl enamel 35-40 microns DTF, Colour to match existing colour.	L/sum			
Total Carried Forward						

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. LAYERS

SECTION 5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
L.1.	SANS 1200 PH	DEMOLITION				
L.1.1.		(a) Removal of existing concrete island at main gate and dispose of the rubble to legal dumping site (6m x 0,4m x 0,3m high)	No			
L.1.2.		(b) Removal of existing gate at main gate (6m x 2,4m High )	No			
L.1.3.		(c) Removal of existing palasade fence and dispose of to the legal dumping site	m			
L.1.4.		(d) Removal of existing boom gate complete with wiring	No			
L2.		SECURITY ACCESS				
L2.1.		(a) Supply, deliver and install Boom gate 3.5m long pvc Ø75mm arm, coated with reflector tape, pivoting up and down action	No			
L2.2.		(b) Supply, deliver and install access biometrics to specification	L/sum			
<b>Total Carried Forward</b>						

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