

ANNEXURE A: THE BILL OF QUANTITIES - BID-NUMBER: NRMDP/EC-T02/2020

1 MNQUMA FEEDLOT

Delivery address: Hobeni Administration Area

GPS Coordinates: 32°20'S 28°09'E

Contact person for directions: Mr. Mandla Bokwe

1.1 Construction of the Mmquma Feedlot kraal as per the specification below:

Item	Size	Description
Concrete floor	120 X 3.6	Excavate 100mm X 120m trench, fit mesh wire
Roofing	3m X 120 M	Dig a 60 mm trench for poles, 3m between poles, fit iron sheets with roofing screws maintain an even distance between poles
Kraal construction	4 pens of 30M X 60M,	4 lines of cable wire, 3m spacing of poles cast in concrete, fit gates between pens and at the bottom of each pen into passage
Fitting of gutters	120M	Fit gutters and connect to horizontal tanks
Receiving /isolation pen, loading ramp, crush pen and kraal passage	90 m long passage, 30 X 30 isolation/ receiving pen, 30 m long cattle crush pen	construct a 90m X 3M passage with poles and cable wire, 30 X 30 pen with poles, fit neck clamp at the end of the crush pen, set a base for the scale. Construct a 2 sized loading ramp (trucks and bakkies).
Drinking troughs	3m long	fit troughs on the aprons and connect to water sources

Construction Material already purchased

ANNEXURE A: THE BILL OF QUANTITIES - BID-NUMBER: NRMDP/EC-T02/2020

2 NGANGEQGILI FEEDLOT

Delivery address: Sundwana Administrative Area

GPS Coordinates: -32°030398593025 "S, 28°536538369953632 "E

Contact person for directions: Ms. Kuhle Maqanda

2.1 *Supply, deliver material and repair the 90-meter-long feeding troughs apron*

- 60 cubes crushed stone
- 20 cubes River Sand
- 80 bags of all-purpose cement
- Seal the feeding troughs apron floors that has been disrupted

ANNEXURE A: THE BILL OF QUANTITIES - BID-NUMBER: NRMDP/EC-T02/2020

3 UMZIMVUBU FEEDLOT

Delivery address: Lugangeni AA

GPS Coordinates: 30°5'36 "S, 28°54'9 "E

Contact person for directions: Ms. Bongolethu Ngambu

3.1 Supply, deliver construction material and construct the Umzimvubu Feedlot

Construction Material

Items Description	Size	Quantities
2.4 m treated poles	100-120mm	300
6m treated poles	75-100mm	80
Steel I-Beams (130mm)	6m	25
76 X 75 Square tubes (2mm thick)	6m	25
10 X 50 lip channel	9m	72
50 steel round pipes (2mm thick)	6m	22
32 X32 square cube (2mm thick)	6m	10
IBR Sheets (0.4)	3.6m	160
Mounting and binding material		
Steel rods	12mm(6m)	40
Cement (All purpose)	50kg	350
Plain Wire	75mm X 50 kg	5
Plain Wire	100mm X 50 kg	2
River sand	Cubes	90
Crush stone	Cubes	75
Crusher dust	Cubes	30
Drinking troughs	3m	5
Welded mash	3.6 X m (wide) 120 (length)	
Gutters (galvanized)		120 m
Horizontal tanks	2 500L	2

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Construction Process

Item	Size	Description
Concrete floor	120 X 3.6	Excavate 100mm X 120m trench, fit mesh wire
Roofing	3m X 120 M	Dig a 60 mm trench for poles, 3m between poles, fit iron sheets with roofing screws maintain an even distance between poles
Kraal construction	4 pens of 30M X 60M,	4 lines of cable wire, 3m spacing of poles cast in concrete, fit gates between pens and at the bottom of each pen into passage
Fitting of gutters	120M	Fit gutters and connect to horizontal tanks
Receiving /isolation pen, loading ramp, crush pen and kraal passage	90 m long passage, 30 X 30 isolation/ receiving pen, 30 m long cattle crush pen	construct a 90m X 3M passage with poles and cable wire, 30 X 30 pen with poles, fit neck clamp at the end of the crush pen, set a base for the scale. Construct a 2 sized loading ramp (trucks and bakkies).
Drinking troughs	3m long	fit troughs on the aprons and connect to water sources

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4 SENQU FEEDLOT

Delivery address: Bluegums village

GPS Coordinates: :30°36'24 "S, 26°52'59 "E

Contact person for directions: Mr. Xolile Nuse

4.1 Supply, delivery drinking troughs and installation of both feeding and drinking troughs at Senqu feedlot

Items	Size	Description	Status	Quantity
Feeding trough	600 cm X 120 M	reinforce brick wall, maintain a dish shape of the trough, smoothen inner surface	40 troughs supplied already, to be installed only.	40
Drinking troughs	3m long	fit troughs on the aprons and connect to water sources	To be bought and installed	5

NB: – Please note that 40 feeding troughs were procured already, therefore bidders are expected to charge the installation costs only based on the provided quantity.

4.2 Feedlot Water provision through drilling and equipping of the borehole for Senqu

- ✓ On site geological & hydrogeological site characterisation;
- ✓ Hydrocesus – 500m radius;
- ✓ Geophysical surveying for exploration drilling;
- ✓ Exploration drilling;
- ✓ Aquifer testing of a successfully drilled borehole;
- ✓ Hydro chemical analysis of the sampled newly drilled borehole;
- ✓ Compilation of borehole management recommendations;
- ✓ Compilation of the final investigation technical report.
- ✓ Installation of water pipes, water pump, generator (solar/fuel) and connection to the tanks and water trough.

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4.3 Supply, deliver fencing materials and installation of the fence at Senqu feedlot

Item	Quantity or process
2.4 m Treated poles (100-120mm)	100
Droppers	500
Galvanized Barbed wire (600m)	20 rolls
Cement (all purpose)	60
River sand (cubic metres)	30
Crush stone (19mm)	40 Tones
Plain wire (5mm)	20m
3 m farm gates (galvanized)	2
Pedestrian farm gate (1.8m)	1

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5 RAYMOND MHLABA FEEDLOT

Delivery address: Mpofu Small-stock training centre

GPS Coordinates: 32.340°S 26.792°E

Contact person for directions: Mr Mandla Bokwe

5.1 Installation of feeding and drinking troughs for Raymond Mhlaba Feedlot

Items	Size	Description	Status	Quantity
Feeding trough	600 cm X 120 M	reinforce brick wall, maintain a dish shape of the trough, smoothen inner surface	40 troughs supplied already, to be installed only.	40
Drinking troughs	3m long	fit troughs on the aprons and connect to water sources	5 drinking troughs already procured	5

NB – Please note that 40 feeding troughs and 5 drinking troughs were procured already, therefore bidders are expected to charge the installation costs only based on the provided quantity.