

**CAMEROON DEVELOPMENT CORPORATION
GROUP BANANA**

SPECIFICATION OF A BRAND NEW MINI HYDRAULIC EXCAVATOR

GENERAL

The intended hydraulic excavator is to assist in the construction tertiary drainage system in the fallow areas during land development especially in very strong areas which cannot be done manually to standard. Therefore it should be reliable, able to withstand the stony nature of the area.

Therefore the contractor or supplier must be an authorized licensed earthmoving equipment dealer, reliable and his equipment facility readily accessible with adequate stock of spares parts that can be obtained easily for the effective maintenance of the excavator.

The following documents are required in order to ascertain legibility:

- 1) The contractor/supplier must provide servicing and maintenance guarantee period for one (1) year.
- 2) The contractor/supplier must have a training program for operators and mechanics before the Excavator is supplied.
- 3) The contractor/supplier must provide data characteristic sheet containing o pictorial view of the excavator , engine data, transmission data, chassis data, weight capacity and excavator dimension data from the equipment manufacturer.
- 4) The contractor/supplier must provide all technical documents necessary
 - a. Users manual in English
 - b. Maintenance manual in English
 - c. parts catalogue in English
 - d. Tools kits/grease gun heavy duty type
 - e. Essential spares to cover one year use
- 5) The mini excavator to be supplied must be of European Union Origin.
- 6) The supplier must provider after sale service at 50hours and 250 with (with fuel filters, oil filters and engine oil)

HYDRAULIC EXCAVATOR

1. MAKE - (To be specified by the bidder)
2. MODEL - (To be specified by the bidder)
3. TYPE - (To be specified by the bidder)

TECHNICAL SPECIFICATIONS

A) ENGINE

- Model: Any
- Type : Diesel
- Gross Power - 22-24KW(29.5 – 32.2 hp)
- Net Power - 21.5 – 22.8KW(28.8 – 30.6hp)
- Bore - 87 – 88.9mm (3.43in -3.5 in)
- Stroke - 92.4 -94mm(3.64in – 3.7in)
- Displacement - 1647 – 1736.5cm³(100.5 -106in³)



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CABIN STANDARD

Cab with air conditioning (a/c) and FM/AM Radio

The operator cabin should meet the following specifications:

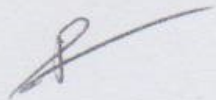
- Should have a rollover protective structure that meets the relevant ISO criteria.
- Should have a falling object protective structure that meets the relevant ISO criteria.
- Should be sound-suppressed to the relevant ISO standard, with high visibility in all directions.
- It should be fitted with wide-angle driving mirrors.
- The windows should have provision for ventilation.

The operator cabin should have the following controls and meters:

- Engine key start/shutoff switch
- Seat belt
- Fuel gauge
- Brake air pressure
- Voltmeter
- Speedometer/tachometer
- Service hour metering
- Windshield wipers and washers
- Warning system for dysfunction in braking system, alternator, engine cooling system, hydraulic system, transmission, lubrication system.

The Excavator should be equipped with the following:

- Lockable battery compartment
- Halogen headlamps with high/low beam features
- Stop lights
- Tail lights
- Turn signal lights, front and rear
- Cap locks for hydraulic tank, radiator access cover, fuel tank.
- Tool box, with lock inclusive of grease gun
- Reverse alarm
- Vandal-proof guards around the engine and radiator.



MAIN ELIMINATORY CRITERIA**1. ENGINE**

MODEL	ANY
TYPE	DIESEL
GROSS POWER	22 – 24KW (29.5 - 32.2 hp)

2. WEIGHTS

OPERATING WEIGHT WITH CAB	3450 – 3530Kg
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3. SWING MECHANISM

SWING TYPE	HYDRAULIC MOTOR DRIVEN
SWING degree	360 ⁰

4. HYDRAULIC SYSTEM

OPERATING PRESSURE - EQUIPMENT	240 – 260 bars
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5. WORKING RANGES

MAX DIGGING DEPTH – STANDARD STICK	3131 – 3161mm
MAX DIGGING REACH – STANDARD STICK	5031 – 5153mm

6. TRACK

TRACK TYPE	STEEL OR RUBBER
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7. BUCKETS

BUCKETS TYPE	RECTANGULAR AND TRAPEZOIDAL
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