

# CAMEROON DEVELOPMENT CORPORATION

## SPECIFICATION OF A BRAND NEW TRACTOR HEAD WITH HYDRAULIC TIPPING SYSTEMS (20 TONS)

- I. **GENERAL:** The intended tractor head is to assist in the transportation of heavy equipment, Bunch waste to especially development areas, and farm packaging materials to all estates in the Banana Group that is from Camp 7 warehouse. Therefore the tractor head to be purchased must be brand new and reliable in order to realize the maximum utilization for the huge investment.

Therefore, the contractor or supplier must be an authorized licensed automobile dealer, reliable and his auto facility readily accessible with adequate stock of spare parts that can be obtained easily for the effective maintenance of the tractor head purchased.

The following documents are required in order to ascertain legibility:

- 1) The contractor/supplier must be an authorized dealer by the Auto-Manufacturer.
- 2) The contractor/supplier must have a Dealer's license from Cameroon Government.
- 3) The contractor/supplier must have a Dealer's sales and maintenance facilities located within Cameroon.
- 4) The contractor/supplier must provide a servicing and maintenance guarantee period of One (1) year.
- 5) The contractor/supplier must have a training program for project drivers and mechanics before the truck head is supplied.
- 6) The contractor/supplier must provide after sales service for free servicing at 1500km and 5000km inclusive of oil filters, hydraulic filters, air filters and water separator filters.
- 7) The contractor/supplier must provide Data Characteristic Sheet containing a pictorial view of the truck, engine data, transmission data, chassis data, suspension data, Brakes system data, weight capacity and truck dimension data from the auto-manufacturer.
- 8) Guarantee from the manufacturer that the spares will be available for at least twenty (20) years.
- 9) Program of training on the use and maintenance of the equipment, including details materials of the training.
- 10) Quotations should contain the relevant pictures.
- 11) Users Manuals in English
- 12) Workshop Manual in English
- 13) Spare Parts Catalogue in English
- 14) Essential spares to cover one year use
- 15) Equipment to be supplied should be of European Union origin.

## II. TRACTOR HEAD MANUFACTURER

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



|   | VALUE   |
|---|---|
| <b><u>Engine</u></b>                    |   |
| Type                                    | INLINE 6 cylinder<br>Turbo compressor & inter-cooler  |
| Power rating                            | 400 CV  |
| Alternator (V/A)                        | 28/90A  |
| Batteries (V/Ah)                        | 2x 12V /100AH   |
| <b><u>Transmission</u></b>              |   |
| Clutch                                  | ZF/Range 360-355;<br>Single dry disc with hydraulic control   |
| Gear box                                | 17F   |
| Synchronizer gear                       | 6   |
| <b><u>DIRECTION</u></b>                 |   |
| Type                                    | Power steering pump   |
| <b><u>SUSPENSION</u></b>                |   |
| Type                                    | Reinforced suspension   |
| Front axle                              | Semi flexible leaf spring, double-action absorber.  |
| Rear axle                               | Semi flexible leaf spring, double-action shock absorber + stabilizer bar.   |
| <b><u>Equipment</u></b>                 | Radio CD<br>3 points safety belts driver and passenger<br>Speedometer /odometer<br>Seats with vinyl coverings<br>Tools including jack and wheel spanners<br>Fire extinguisher<br>Security jackets<br>Triangular warning plate<br>Safety reflectors<br>Wide-angle panoramic mirror |
| <b><u>Tyres</u></b>                     |   |
| Tyre size                               | 10.00 – 13.00R 22.5   |
| Quantity                                | 10No. and 1 spare   |
| <b><u>Hydraulic pump capacity</u></b>   | Capable of tipping a 20 tons/25m3 trailer   |
| <b><u>Seats</u></b>                     |   |
| No. of seating places                   | 3   |
| <b><u>Operating Specifications</u></b>  |   |
| Maximum speed                           | Km/h - 140  |
| Distance from ground chassis            | Mm - 300  |
| <b><u>Brakes</u></b>                    |   |
| Service brakes                          | 2 independent pneumatic brakes circuits<br>Front and rear axle wheel drum brakes<br>Electro-pneumatic ABS + EBL   |
| <b><u>Service Refill Capacities</u></b> |   |
| Fuel tank                               | 300-400   |
| Fuel type                               | Diesel  |



Quotations should contain pictures, and indicate full technical details which should include, but not limited to the following:

- a) Make, model and power rating of engine
- b) Engine riming system (belt, chain or gear)
- c) Interval in km for replacement of the timing belt or chain
- d) Average fuel consumption per 100km
- e) Ground clearance of the axle
- f) Overall weight
- g) Dimensions of tyres
- h) Service refill capacities for fuel, cooling system, crankcase, transmission, hydraulic system and lubrication system.

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# CAMEROON DEVELOPMENT CORPORATION

## CDC BANANA PROJECT

### SPECIFICATIONS OF BRAND NEW TRAILERS

III. GENERAL: The intended trailers are to be used for the transportation of farm materials and chemicals to the field. They will be covering an average of 20km per day. Therefore the trailers to be purchased must be brand new and reliable and tailored for tropical weather and bad road condition.

Therefore, the contractor or supplier must be an authorized licensed automobile dealer, reliable and his auto facility readily accessible with adequate stock of spare parts that can be obtained easily for the effective maintenance of the trailer purchased.

The following documents are required in order to ascertain legibility:

- 16) The contractor/supplier must be an authorized dealer by the Auto-Manufacturer.
- 17) The contractor/supplier must have a Dealer's license from Cameroon Government.
- 18) The contractor/supplier must have a Dealer's sales and maintenance facilities located within Cameroon.
- 19) The contractor/supplier must provide a servicing and maintenance guarantee period of One (1) year.
- 20) The contractor/supplier must have a training program for project drivers and mechanics before the trailer is supplied.
- 21) The contractor/supplier must provide Data Characteristic Sheet containing a pictorial view of the trailer, chassis data, suspension data, Brakes system data, weight capacity and tractor dimension data from the auto-manufacturer.
- 22) Guarantee from the manufacturer that the spares will be available for at least twenty (20) years.
- 23) Availability of training on the use and maintenance of the equipment, including details of the training.
- 24) Quotations should contain the relevant pictures
- 25) Users Manuals in English
- 26) Workshop Manuals in English
- 27) Spare Parts Catalogue in English
- 28) Essential spares to cover one year use.

### IV. TRAILER MANUFACTURER

- |          |   |                                 |
|----------|---|---------------------------------|
| 4) MAKE  | - | (To be specified by the bidder) |
| 5) MODEL | - | (To be specified by the bidder) |
| 6) TYPE  | - | (To be specified by the bidder) |



VI. TECHNICAL INFORMATION

- 20) Trailer model - Single axle double hubs
- 21) Trailer size - Length range from 4.2m to 4.5m.
  - Width range from 2m to 2.2m
  - Height range 1.0m to 1.2m
- 22) Tail board - Double cover barn type
- 23) Tyre size - range from 385/65R - 22.5 to 390/65R - 23
- 24) Loading Capacity - range from 10 tons to 12 tons

OTHER CONDITIONS

- Dead axle with double tyre 10 studs hub with big spindle.
- Hand break system
- Electrical - rear lights.
- Hydraulic rear tipping system

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