



Road Development Corporation Limited

Republic of Maldives

Terms of Reference for Supply and Delivery of Engine full Overhaul for C2401 Cukurova 888 Backhoe Loader

1. BACKGROUND

Road Development Corporation Limited, an incorporated limited liability company operating under the registration number C10482019 and having its registered office at MSL Building, First Floor, Male', Republic of Maldives (herein after called and referred to as "the Employer",) wishes to receive bids for Engine overhaul of a Backhoe Loader.

2. VEHICLE SPECIFICATION

Reg No: V1A2401

Type: Backhoe Loader

Brand: Cukurova 888

Engine No/Motor Serial No: CD 4045L208112

Engine Motor Manufacturer: PARAGON

Chassis No: 2211 HCB 0022RI

3. SCOPE OF WORK

Bid winner will do a complete overhaul of the Engine mentioned and will fabricate or replace the damage components within the Engine.

4. General Requirement

- Major repair service up to and including overhaul of engine. This includes removal of the engine from the vehicle as necessary, repair/overhaul and reinstallation.
- Overhaul service must primarily be performed within the contractor's repair facility.
- Cost of transportation to the vendors facility and return when overhaul is complete will be included in pricing.

Overhaul

- Overhaul must include the following new components
 - Pistons, rings, and pins
 - Main and rod bearings
 - Seals, gaskets, and O-rings
 - Oil, Oil filter and coolant
 - Thermostat
 - Camshaft
 - Valve tappets and push tubes
 - Transfer pump and fuel tubes

- During overhaul, the following parts must be cleaned and inspected to ensure they meet the required standard prior to re-use, parts not meeting standards must be replaced with new
 - Cylinder block
 - Crankshaft
 - Oil pan
 - Connection rod
 - Exhaust manifold
 - Intake cover
 - Front cover
 - Gear housing
 - Flywheel housing
 - Valve cover
 - Crossheads
 - Rocker levers
 - Fan hub
 - Air compressor
 - Turbocharger
 - Injection pump
 - Fuel injectors
 - Oil pump
 - Cylinder head
 - Water pump
 - Vibration damper
 - Engine wire harness

- Bid winner will do a test run of the Engine after assembling and Installing the Engine of the vehicle.
- Test run should be done in the presence of RDC mechanics.
- Minimum parts warranty and service warranty for 6 months.