

**CAMEROON DEVELOPMENT CORPORATION**

**URGENT OPEN INTERNATIONAL INVITATION TO TENDER NO 010/CDC/PD/ITB/16 FOR THE  
SUPPLY OF MATERIALS FOR CDC RUBBER FACTORIES AND OIL PALM MILLS OF 16/05/16**

**LOT 3: SUPPLY OF NEW DECANter, PURIFIER, AND DE-SANDING CYCLONE FOR OIL MILLS**

	<b>MATERIAL</b>	<b>UNIT</b>	<b>QTY</b>
<b>1</b>	<b>Supply of GEA decanter c/w control panel</b>	<b>Nº</b>	<b>1</b>
	High Performance 3 Phase Decanter - CA 501-05-00		
	Sludge de-oiling up to 26 m <sup>3</sup> /h of diluted sludge or up to 60 t/h FFB		
	Feed temperature: 90 - 95 °C		
	The sludge will contain about 7 - 8 % oil, max. 2 - 3 % emulsion and max. 2.5 % NOS.		
	<b>Technical data of Decanter:</b>		
	Bowl Diameter	500 mm	
	L/D ratio	4.0	
	Speed	max. 3.000 rpm	
	G-force	max. 2.500 x g	
	Dimensions	3675 x 1110 x 1750 mm (L x W x H)	
	Weight	approx. 3480 kg	
	Motor rating	40 KW, 400 Volt, 50Hz	
	<b>Technical data of Control panel</b>		
	Motor control cabinet designed for star-delta starting of the decanter motor including:		
	Switch-over from star to delta time dependent		
	Motor protection by means of PTC resistors		
	Power supply via a power switch with overload release for line protection and instantaneous short circuit trip for short-circuit protection		
	Speed measuring unit type PMO4150		
	Hour counter for decanter running time		
	Ammeter for the decanter motor		
	Signal lamps for indicating operating and fault status		
	Push button for Start and Stop of the decanter as well as an Emergency-Off button		
<b>2</b>	<b>Supply of GEA purifier c/w control panel</b>	<b>Nº</b>	<b>1</b>
	High Performance Palm Oil Purifier GEA Westfalia Type VSE 20-02-067		
	Oil discharge under pressure with centripetal pump, heavy phase by gravity		
	Solids catcher and hood made of cast iron		
	With 15 kW drive motor, automatic hydro stop self-de-sludging version and heavy duty gear drive system		
	And heavy duty gear drive system.		
	☑ Control Cabinet c/w safety tripping alarm system, Control valves and timer		
	<b>Technical data of the Purifier:</b>		
	up to 8 m <sup>3</sup> /h or 30 t/h FFB		
	Bowl speed	max. 12,000 rpm	
	Bowl volume	3.51	
	Motor	7.5 KW, 400 Volt, 50 Hz	
	Control Cabinet c/w safety tripping alarm system, Control valves and timer controlled system for auto		
	1 Set Flexible Connections for purifier Inlet and Outlet		

**LOT 3: SUPPLY OF NEW DECANTER, PURIFIER, AND DE-SANDING CYCLONE FOR OIL MILLS**

1 Set Automated control Gravity feed assembly with flushing valve		
1 set Automated control Operating water valve		
1 Set Vibration Isolators		
1 Set Flanged type Flow-meter		
1 Set Thermometer		
1 Set Feed Pump		
1 Set Servicing Tools for Maintenance		
1 Set Standard Accessories		
1 Set Standard Spare Parts		
1 Set Operating manual with parts list in English		
1 Set Equipment Installation and Dimensional Drawings		
<b>3 Supply of GEA de-sanding cyclone c/w control panel</b>	<b>Nº</b>	<b>1</b>
GEA Westfalia Type ADP 100-1-PC, 440 Volt, 50 Hz		
Each Skid Mounted Module with items included as follows		
3 sets ADP 100/15 Hydro Sand Cyclone with S/Steel 316 Upper Cylindrical Section and High Abrasion Resistant Polymer Composite Lower Conical Section		
1 set Control Cabinet c/w Automatic Timer Controlled Sand Discharge System		
3 sets Pneumatic Actuated S/Steel Ball Type Sand Receiver Discharge Valve		
3 sets Pneumatic Actuated S/Steel Ball Type Sand Discharge Valve		
3 sets Pneumatic Actuated Piston Type Flushing Water Valve		
3 sets Pneumatic Actuated Piston Type Air Venting Valve.		
3 sets Flexible Connection for Cyclones Sand Outlets		
3 sets Flanged Connection for Cyclones Discharge		
3 sets Large Stainless Steel Sand Receiver Tank		
3 sets Flanged Connection for Cyclones Feed.		
1 set Pneumatic Pressure Sensor Switch		
3 sets Diaphragm Type Pressure Gauge		
3 sets Butterfly Type Feed Valve.		
1 set Pneumatic Air Regulator		
1 set Acoustic Alarm System		
1 set Pneumatic Tubing and Connectors for Control Valves		
Fully Assembled in a Skid Mounted Module Design		

FOR FURTHER INFORMATION, CONTACT THE PRODUCTION DIRECTOR ON:

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