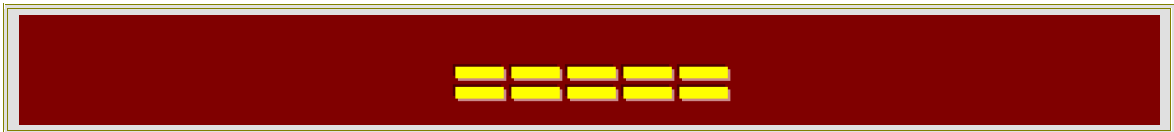


HRODC Ltd.



HRODC Ltd QUOTATION



With Kindest Regards,

A stylized, handwritten signature in gold ink, appearing to read "R. B. Crawford".

Prof. Dr. R. B. Crawford
Chief Executive



Human Resource and Organisational Development Consultancy (HRODC) Ltd.



Prof. Dr. Ronald B. Crawford - Director

Wolverhampton (HQ)	HRODC Ltd.	London Office
122A Bhylls Lane, Wolverhampton, WV3 8DZ, United Kingdom Telephone: +44 (0) 1902 763 607 +44 (0) 1902 569133 Mobile: +44 (0) 7736 147507 E-mail: consult@hrod-consultancy.com sales@hrod-consultancy.com Website: http://www.hrod-consultancy.com		328 Linen Hall, 162-168 Regent Street, London. W1B 5TD, United Kingdom Telephone: +44 208 133 2760 Mobile: +44 (0) 7736 147507 E-mail: consult@hrod-consultancy.com sales@hrod-consultancy.com Website: http://www.hrod-consultancy.com
Human Resource and Organisational Development Consultancy (HRODC) Ltd.		

HRODC Ltd QUOTATION

To:	
Quotation #	
Req. Ref.	NA
Date Issued:	
Validity Period:	30 Days
Prepared By:	Prof. Dr. R. B. Crawford
Number of Pages:	13

HRODC Ltd – Legal Parameter

Human Resource and Organisational Development Consultancy (HRODC) Ltd is Registered in England, with Registration Number 6088763. Its VAT Registration is: 8958 765 38. It is directly accountable to, and monitored by, several government agencies, including Companies House, an Executive Agency of the Department for Business, Innovation and Skills (BIS). All 'Offices' of HRODC Ltd, including National Representatives are subject to public scrutiny and transparency. Its Registered Office is 122A Bhylls Lane, Castlecroft, Wolverhampton, West Midlands WV3 8DZ, UK, with Office in London UK. It has National Representatives in Nigeria, Ghana, Cameroon United Arab Emirates (UAE), Kingdom of Saudi Arabia, among others. Prof. Dr. R. B. Crawford, PhD (London), MEd.M. (Bath), Adv. Dip. Ed. (Bristol), PGCIS (TVU), ITC (UWI), MAAM, MAOM, LESAN, MISGS. Visiting Prof. P.U.P. is its Chief Executive.

Human Resource and Organisational Development Consultancy (HRODC) Ltd.



Prof. Dr. Ronald B. Crawford - Director

Machine Quotation

Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Unit Price US\$	Total Cost in US\$
1.	Asphalt Mixing Plant	HRODC _AP15	HRODC_AP15 10 TPH Mobile Asphalt Plant- Price now includes Coal Miller – Limited Time Offer	1	\$75,000.00	\$75,000.00
Options						
2.	Finished Elevator	NA	Finished Elevator for storage of finished product	1	\$11,650.00	\$11,650.00
3.	Bitumen Tank	NA	Bitumen Tank 10cm ³ Capacity	1	\$19,300.00	\$19,300.00
4.	Bitumen Tank		Bitumen Tank 30cm ³ Capacity			\$25,500.00
5.	Storage Bin	NA	Asphalt Storage Bin - 5Ton	1	\$10,000.00	\$10,000.00
6.	Control Room	NA	To House PLC, Control Panel, Touch Screen	1	\$10,000.00	\$10,000.00
7.	Aggregate Dosage Bins	NA	Cold Aggregate Dosage Bins	3	\$26,000.00	\$26,000.00
Subtotal		Free Port-To-Port International Delivery				
Delivery		To be advised				
V.A.T. @		Europeans Only				
Grand Total						
Payment Terms		<ol style="list-style-type: none"> 1. The prices, above, exclude delivery, installation and training, unless otherwise stated. These costs will be advised at your request. 2. Products costing in excess of us US\$40,000.00 require a deposit of 50% by Telegraphic Transfer (TT) or bank counter credit, at the time of order. The remaining 50%, by Telegraphic Transfer, is required one week before shipment of the complete item. 3. 100% of the cost of items of up to \$40,000.00 is required at the time of order. 4. Bank details for payment, and extended terms, where applicable, will be included in the Proforma Invoice, following the confirmation of your order. 				



Product Description

Start of HRODC_AP15 10 TPH Mobile Asphalt Plant Description



Human Resource and Organisational Development Consultancy (HRODC) Ltd.



Prof. Dr. Ronald B. Crawford - Director

To Reduce The Size of Aggregate Particles



Coal-Milling

HRODC_AP15 10 TPH Mobile Asphalt Plant

Technical Specification

Specifics	Value	
Capacity	10 Tons Per Hour	
Feeder hopper capacity	0.35m ³	
Concrete output	0.35m ³	
Aggregate size	<=50mm	
Aggregate Bins (Optional)	2X2.3m ³ each, accumulative scale	
Aggregate Storage (Optional)	Two storages, 2.3m ³ , cumulative measurement	
Accuracy	Aggregate	1000kg±3%
	Flying ash	70kg±2%
	Asphalt	60kg±2%
Product temperature	120~165 °C, adjustable	
Finished Material Temperature	120~165 °C	

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HRODC_AP15 10 TPH Mobile Asphalt Plant

Technical Specification

Specifics	Value
Total consumption	47 kW (Oil burner)
Mill Power	15kW (Coal burner)
Coal requirement	1.Volatile Percentage 25%
Coal quality requirements	2.Low heat value / 6500 kcal/kg
	3.Melting point /1500°C
	4.Moisture / 3%
	5.Powder percentage / 12%
	6.Diameter / 100 mesh(Head)

2. Supplies and Quotation

Item	Description	Specification	# Units/ Sets	
1.Burner	Burner		1units	
	Blower	9-19No4A右180,	1units	
	Blower	N=2.2kW,n=2900r/min		
	Blower motor	Y2-160M1—2.2KW-2	1units	
	Main oil pump	CB-13 , 1.1kW	1sets	
	Triangle belt	A787	1units	
	High pressure oil pump	CB-6 , 0.55kW	1sets	
	fire-resistant brick	65x45x23	1sets	
	electronic ignition system		1units	
2.Dryer	Drying drum(Ø1340mm)	16Mn alloy steel	1units	
	Big gear loop	ZG310-570	1units	
	Gear Ring	Ø1580	1units	
	Decelerate case	ZQ150-8.23-1	1units	
	Gear Box		1units	
	Motor	Y2-180M-4KW-4	1units	
	Triangle belt	B1575	3units	
	Seal loop	lynbrath seal	2units	
	Seal	Ø700		
3.Aggregate elevator	Trail and skip		1sets	
Aggregate hoisting system	Feeder bucket device		1units	

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Prof. Dr. Ronald B. Crawford - Director

HRODC_AP15 10 TPH Mobile Asphalt Plant

Technical Specification

Specifics	Value			
	Inlet Device	Mechanically Propelled		
	Reducer	XWC5-29-3KW	1units	
	Limit switch	XCE-145	3units	
4.Fly ash scale	Weighing hopper	70kg±1%	1unit	
Slag weighing system	Powder measure hopper			
	Trail and skip		1sets	
	Feeder bucket device		1units	
	Inlet Device	Mechanically Propelled		
5.Bitumen Scale	Weighing tank	60±3%	1unit	
Asphalt metering				
	Bitumen pump Motor	Y112M-4,N=2.2kW	2unit	
	Bitumen pump	CLB50	2unit	
	Pipelines		1set	



HRODC_AP15 10TPH Asphalt Plant — Part Installed Without Options

	Pipeline	Ø1寸		
6. Mixer	Mixer		1unit	
Mixer	Mixing drum Ø1860			

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Prof. Dr. Ronald B. Crawford - Director

HRODC_AP15 10 TPH Mobile Asphalt Plant

Technical Specification

Specifics	Value			
	Reducer	ZD250-8.23-4kW	2units	
	Waiting hopper	High-end difference	1unit	
7.Dust collecting system	Cyclone filter	level one	1unit	
	Cyclone	Dust		
Dedusting system	Vent	Y5-47NO5C	1unit	
	Fan	(Right 450-4kW)		
	Vent motor	Y2-200L-4kW-2	1unit	
	Pipeline and chimney		1set	
8.Framework	Chassis		1sets	
Main structure	Chassis body			
	Front and Rear axles	Front tire:825-12x2pc	1set	
	Front and rear wheel assembly	Back tire:750-20x2pc		
	Jacks(Support)	5t	6units	
	Outside Staircase		1set	
9. Air System	Air compressor	W-0.1/2.2kW	1set	
Pneumatic system	Compressor			
	Pipelines		1set	
	Solenoid valve	20K-1442	1set	
	3-way connecting kits	QLGWC-L15	3units	
10. Control System	Touch screen	MPT-506L	1unit	
	Control panel		1unit	
	Electronic cabin		1unit	
	Cable		1 set	
	PLC		1 set	
Coal Mill	Coal Milling Main Unit	MPF-900	1 set	
	Coal mill motor	Y2-225S-4-37KW	1 set	
	Coal mill electric cabinet		1 unit	
	Coal carry pipe	5 meters	1 unit	
Optional Components				
1.Coal-milling machine	Mill motor	15kW	1 units	

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Prof. Dr. Ronald B. Crawford - Director

HRODC_AP15 10 TPH Mobile Asphalt Plant				
Technical Specification				
Specifics	Value			
(Coal burner)	Coal grinding machine			
Mills (coal type)	Worm reducer	WPA60-20:1	1 units	
	Speed Motor	0.75kW-4	1 units	
	Coal pipe	Ø125	1 units	
2.Finished elevator System	Storage bin	5t	1 unit	
Finished Material hoisting system	trail and skip		1 set	
	Reducer	XWD5-29-3KW	1 unit	
	Limit switch	XCE-145	3 units	
3.Asphalt tank	YK-10	30m3	1	
5.Level two dust filter System	Washery dust filter		1	



HRODC_AP15 10 TPH Mobile Asphalt Plant	
Main Plant Components	
Component	Quantity
Chassis, Front and Rear Axles	1 Set
Burner	1 Unit
Drying Drum And Drive System	1 Unit
Mixer Drum And Drive System	1 Unit
Cyclone Dust Filter	1 Unit
Blower	1 Unit
Vent	1 Unit
Aggregate Elevator And Filler Elevator	1 Set
Coal Miller	1 Unit
Bitumen Scale	1 Set
PLC	1 Set
Control Panel	1 Set
Touch Screen	1 Unit

End of HRODC_AP15 Asphalt Plant Description

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Prof. Dr. Ronald B. Crawford - Director

Some Asphalt Plant Options and Their Functions	
General Information	The main machine functions as a complete unit, without any real need for additional components. The options are designed to improve the production quality and efficiency of the main plant in different ways, as described below.
Option	Function
Aggregate Dosage/ Aggregate Bin	This device filters the asphalt chip/ concrete mix in different grades. This device, therefore, improves the quality of the asphalt chip/ concrete mix. The different grades of mixture will be selected according to the soil or ground grade – for example surface, middle, bottom.
Asphalt Tank	This device keeps the mixture warm and is used to warm it, when cold. It stores the finished product - in addition to the drum, which has a limited capacity (approximately 100 kg mixture). The main machine is, therefore, freed up to continue produce the mixture, with finished product being stored separately in the asphalt tank.
Washery (Water Filter) or Air Bag Filter	This device is mainly for environmental purpose. It is used to diffuse dust from the air, reducing the amount of pollutant released in the air.
Finished Elevator System	The Finished Elevator System helps to maintain the temperature of the mixture, before it is delivered to the truck or other transporter.

Pictures of Asphalt Plant Options



For Aggregate Size Selection and Mixing



Aggregate Dosage

For Storage and Delivery of Finished Asphalt To Transporter



Finished Elevator System



For Heating and Storing Bitumen For Mixing With Aggregate



Asphalt Tank

Comments

Please note that we are actively engaged in research and development. Consequently, our product description, specification and aesthetic features are constantly changing so as to improve the quality and physical appearance of the products to our clients. Consequently, we might vary the characteristics of the above products, without notice.

With Kindest Regards,



Prof. Dr. R. B. Crawford
Chief Executive



Human Resource and Organisational Development Consultancy (HRODC) Ltd.



Prof. Dr. Ronald B. Crawford - Director