

HRODC Ltd.



HRODC Ltd QUOTATION



With Kindest Regards,

A stylized, handwritten signature in gold ink, consisting of several overlapping loops and strokes.

Prof. Dr. R. B. Crawford
Chief Executive



Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763.
Registered Office: 122A Bhylls Lane, Castlecroft, Wolverhampton, West Midlands WV3 8DZ, UK
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.
Chief Executive & Chief Consultant – HRODC Ltd.



V.A.T. # 8958 765 38

	<h1>HRODC Ltd.</h1>	
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To:	
Quotation #	
Req. Ref.	NA
Date Issued:	
Validity Period:	30 Days
Prepared By:	Prof. Dr. R. B. Crawford
Number of Pages:	10

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, Enterprise and Regulatory Reform (BERR). 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.

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Quotation

Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Unit Price	Total Cost in GB Pounds
1.	Asphalt Mixing Plant	HRODC _AP1	Asphalt Mixing Plant 200 Tons Per Hour, with Bag Filter	1	£659,814.00	£659,814.00
Subtotal		Excluding Delivery, installation and training				
Delivery		To be advised				
V.A.T. @17.5%		Europeans Only				
Grand Total						
Payment Terms		<ol style="list-style-type: none"> 1. The prices, above, exclude delivery, installation and training. These costs will be advised at your request. 2. At least 50% of the cost of each machine, in excess of £20,000.00 requires a deposit of 50% by Telegraphic Transfer (TT) or bank counter credit, at the time of order. The remaining 50%, by Irrevocable Letter of Credit (ILC), is required one week before shipment of the complete item. 3. 100% of the cost of items of up to £20,000.00 is required at the time of order. 				
CRD: Dec 04 08						

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Product Description

HRODC_AP1 Asphalt Mixing Plant, Fixed Asphalt Mixing Plant 200 Tons Per Hour

Start of HRODC_AP1 Asphalt Mixing Plant, Fixed Asphalt Mixing Plant Description

HRODC_AP1 Asphalt Mixing Plant, Fixed Asphalt Plant up to 200 Tons per hour. Asphalt Mixing Plant, batch-mix and continuous mix asphalt mixing plants, with water and air bag filter, dryer with feed conveyor. Fixed and mobile plants built to order, from 100 to 425 tons per hour. Asphalt plants brands include adm mile, barber greene. Plant specs include five bin cold feed system, with belt feeders and digital drives, cedarapids dryer with feed conveyor, batch pac, bucket elevator, asphalt tank with transfer pump, oil heater, batcher automatic controls, silo with standard havens, slat conveyor. Other features of our asphalt plants include collecting and elevating belt conveyor, elevating weigh bridge belt conveyor, cedarapids dryer, chain drive, cyclone collector, combination burner and separate burner, cfm airopulse bag house, cross scre conveyors, sullair screw air compressors, auto damper control, rap bin with slat chain, double roll rap breaker, elevating conveyor, batch tower, diester deck screen, hot bins, oversize holding bin, Overflow holding bin, fugitive dust exhaust fan , hot elevator, starters and breakers, portable hot elevator, lime silo, lower weigh pod, waste silo, truck scale, air operated high/low indicators, hydraulic operated high/low indicators, direc fired a/c tank , tate lab trailer, air conditioned control cabin, digital control cabin, silo loadout, Controls, wem batching controls, hauck burner controls, cradle chain and sprocket drive assembly, automatic oil burners, automatic gas burners, high pressure blowers, cold aggregate feeding system, collective conveyer, five belt feeding conveyors, asphalt pump, gas storage, gas storage, valve tee joint, aggregate belt conveyor, hot aggregate elevator, tilted belt feeding conveyor, bag dust filter system, drying drum, mixer tower, asphalt supply, system, dust buffer storage silo, air control system, hot mix storage silo, vibrating screen, bitumen tanks, multicyclone exhaust, load out conveyor, baghouse filter system, coal crusher, hammer crusher, raising hopper, slippage orbit, burning stove chamber, water dust collector, cyclone dust collector. Customised Asphalt Mixing Plant - Mobile, Fixed, Batch Mix, Continuous Mix.

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HRODC_AP1



Technical and General Specification of HRODC_AP1 Asphalt Mixing

- ✚ Capacity = 150-200 tons per hour
- ✚ Environment Temperature = 20 degree
- ✚ Aggregate weight = 1.6T(m³)
- ✚ Material Temperature = 140degree
- ✚ Containing Water or Moisture Rate = 7% per 120 Tons
- ✚ Containing Water or Moisture Rate 3% per 160 Tons
- ✚ Oil Consumption = 5 to 7.5 kg per ton (asphalt)

Measuring Accuracy

- ✚ Aggregate ±0.5%
- ✚ Filler ±0.5%
- ✚ Asphalt t±0.25%

Dust Cleaning Efficiency and Composition

- ✚ Dust Remove with Water less than or equal to 200 mg per Nm³ (Concentration of discharging power and dust)
- ✚ Dust Remove with Bag Filter less than equals to 100 mg per Nm³ (Dust extract with hop pocket)
- ✚ Mode of Operation = Manual and automatic
- ✚ Overall Size
 - ✚ Length = 66 meters
 - ✚ Width = 34 meters
 - ✚ Height = 18 meters
 - ✚ Total power = 400 kW

Main Machine Configuration and Technical Specification and Components

Cold aggregate feeding system composition

- ✚ Cold material hopper (5 hoppers) 1 set
- ✚ Collective conveyer 1 set
- ✚ Feed conveyer 1 set
- ✚ Middle filter 1 set
- ✚ Cubage of hopper 10 cubic meters

Hopper Dimensions

- ✚ Length = 3,300 mm
- ✚ Width = 2,400 mm

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- ✚ Height of loading bay = 3,300 mm
- ✚ Power of Collective conveyer = 5x2.2kW
- ✚ Bandwidth of Collective conveyer = 500mm
- ✚ Bandwidth of Feeding conveyer = 800 by 650 mm
- ✚ Capacity = 210 tons per hour
- ✚ Power = 2 x 5.5 kW
- ✚ Power of middle filter = 0.25 kW
- ✚ Power of Pulsator = 0.25 kW

Dryer system or Drying System Composition

- ✚ Dryer roller = 1unit
- ✚ Dimensions
- ✚ Diameter = 2,200 mm
- ✚ Length = 9,000 mm
- ✚ Thickness = 16 mm (armor plate)
- ✚ Power = 4 x 18.5 kW
- ✚ Production Capacity = 160 tons per hour (water less than or equal to 3%)
- ✚ Axial inclination or obliquity of installation = 4°
- ✚ Temperature of air = Less than or equals to 130°C

Composition of Burner System

- ✚ Oil burner = 1set
- ✚ Parameter: Max. Oil Consumption = 1,800 kg per hour
- ✚ Oil pump Power = 4 kW
- ✚ Fan Motor Power = 45 kW

Composition of Hot Material Elevator

- ✚ Hot elevator = 1unit
- ✚ Model = upright chain
- ✚ Power = 15 kW
- ✚ Production Capacity = 180 tons per hour

Dust Cleaning system Composition

- ✚ Cyclone Dust Separator = 1unit
- ✚ Water dust Remover = 1set
- ✚ Power of exhaust fan = 132 kW
- ✚ Efficiency = Less than or equals to 400 mg per Nm³

Vibrating screen system Composition

- ✚ Vibrating screen, with five tiers (single-shaft outside) = 1unit
- ✚ Power = 15 kW
- ✚ Capacity = 200 tons per hour



Weighing System Composition and Specification

- ✦ Aggregate Weighting Device = 1set
- ✦ Filler Weighting Device = 1set
- ✦ Asphalt Weighting Device = 1set
- ✦ Cubage of Aggregate Weighting Device = 2,200 kg
- ✦ Scale of Sensor = 3 x 2000 kg per unit
- ✦ Weighting Accuracy = $\pm 0.5\%$
- ✦ Cubage of Filler Weighting Device = 500 kg
- ✦ Scale of Sensor = 3 x 200 kg per unit
- ✦ Weighting Accuracy = $\pm 0.5\%$
- ✦ Cubage of Asphalt Weighting Device = 150 kg
- ✦ Scale of Sensor = 3 x 100 kg per unit
- ✦ Weighting Accuracy = $\pm 0.25\%$

Mixer System Composition

- ✦ Mixer = 1 unit
- ✦ Mixing Capacity = 2,200 kg per batch
- ✦ Motor Power = 2 x 45k W

Filler Feeding System Composition

- ✦ Filler storage = 1 pieces
- ✦ Filler elevator = 1 piece
- ✦ Butterfly valve = 2 pieces
- ✦ Screw feeder = 2 pieces
- ✦ Cubage of Filler storage = 30 cubic meters
- ✦ Power of Feeder = 2 X 3 KW
- ✦ Power of Elevator = 5.5 kW

Working Frame system Composition

- ✦ Structure of Mixing Plant = 5 tiers (including vibrating screen)
- ✦ Parameter: Width = 2,500 mm
- ✦ Height = 3,800 mm

Air Compressor System Composition

- ✦ Air Compressor = 1set
- ✦ Gas Storage = 1set
- ✦ Air Pipe| Valve| Tee joint = 1 set
- ✦ Cubage = 1.6m³
- ✦ Power = 11 kW
- ✦ Wind Pressure = 0.7MPa



Electrical Control system Composition

- + 10 square meter Control House = 1 set
- + Control Panel = 2 sets
- + Control Operator's Table = 1 set
- + Cable = 1set
- + Voltage of Source = 380 V
- + Control Voltage = 220 V
- + Control Model = Automatic, Half- automatic, Manual
- + Overall Dimensions
 - o Length = 4,000 mm
 - o Width = 2,260 mm
 - o Height = 2,500 mm

Asphalt spraying and Feeding System Composition

- + Asphalt Pump = 2 sets
- + Pipeline and Valve = 1 set
- + Power of Pump = 15 kW
- + Power of Pump = 7.5 kW

HRODC_AP1 Asphalt Mixing Options Available

- + Asphalt tank,
- + Asphalt kettle,
- + Heating Oil Furnace,
- + Finished Production Room



HRODC Ltd. Official Quotation

Additional Comments	NA
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