

CONSOLIDATED QUESTIONNAIRE			
to the request for rotary drill rig purchasing			To be filled by Supplier:
1	Name of the proposed drill rig		
2	Price for 1 unit, in USD (incl. additional options)		
3	Payment terms		
4	Delivery terms		
5	Delivery time		
Item No.	Name	UoM	Equipment type and parameters
	Type of equipment		Rotary drilling rig
	Purpose		Blast hole drilling
1	Drilling equipment		
1.1	Drilling type		Rotary
1.2	Hole diameter	mm	229-270
1.3	Single-pass drilling depth	m	min 9
1.4	Maximum drilling depth with rod enter	m	54 / from 10.7
1.5	Capability for exploration drilling		Yes
1.6	Power supply voltage fluctuations		from -25% to +55%
1.7	Atmospheric conditions (normal, corrosive, or explosive)		corrosive
2	Manufacturing parameters		
2.1	Bench height	m	15
2.2	Drilling across two benches	m	30
2.3	Ore bulk density	t/m3	3.38
2.4	Rock bulk density	t/m3	2.98
2.5	Groundwater conditions		High
2.6	Rock abrasive ability		High
2.7	Rotation speed	RPM	From 0 to 200
2.8	Drilling speed	m/h	min 8.9
2.9	Drilling inclination angle	degrees	0-30
2.10	Lifting force	kg	from 13000 to 13600
2.11	Bit load	kg	from 33000 to 34019
2.12	Overall dimensions with mast installed	m	13.1 x 17.2 x 6.1
2.13	Overall dimensions with mast lowered	m	15.8 x 7
2.14	Rig power supply type		Electric, 6 kV
2.15	Water tank	l	upwards of 2000
2.16	Air compressor (capacity)		51 m³/min at 7.6 kgf/cm²
3	Running gear		Crawler undercarriage with hydraulic drive motors and gearboxes
4	Operator cabin		Sealed, ROPS/FOPS
5	Temperature control		Self-diagnostics
6	Configuration		
6.1	Centralised lubrication system		Yes
6.2	Automatic fire-fighting system		Yes
6.3	Air conditioner and heater		Yes
6.4	Emergency flasher		Yes
6.5	Back-up signal		Yes
6.6	Rear view camera		Yes
6.7	Video recorder		Yes
6.8	LED lighting for work area		Yes
6.9	Dust suppression system		Yes
6.10	System for operation in water-bearing ground		Yes
6.11	Drilling tool set		Yes
6.12	Tool set		Yes
6.13	Documentation set		Yes
6.14	Spare Parts Manual		Yes
6.15	Operation manual		Yes
6.16	Maintenance and repair manual		Yes
6.17	Climatic category: boreal climate-3		Yes
6.18	Work at -30/+40 °C		Yes
6.19	Motor hour metering system		Yes
6.20	Commissioning spare parts set		Yes
6.21	Drill rig drive motor		TESD electric motor, 700 hp (522 kW) at 50 Hz
6.22	Motor cooling system		Three levelling jacks, 1.2 m long, with jack suspension indicator labels
6.23	Mast		Hydraulic mast, 10,670 mm mast, removed five four 154 mm drill rods
6.24	Frame		Twin-beam steel structure with platform walkways and handrails
6.25	Drill head rotary drive		Cable lift with hydraulic drive, hydraulic rotation drive, maximum
6.26	Cabin		Thermal insulation, heating, air conditioning, heater and air
6.27	Cooling system		Hydraulic/compressor oil cooler, up to 42.3 °C with air-cooled flow
6.28	Night lighting		14 LED Lamps (45 W)
6.29	Auxiliary winch	pcs.	1 pcs (maximum lifting capacity up to 2,700 kg)
6.30	Absorbing rotary head adaptor	pcs.	1
6.31	Receiver, hydraulic tank and water tank heating system	comp.	1
6.32	Compressor electronic control system	comp.	1
6.33	Roller centring bushing	pcs.	1
6.34	Hydraulically retractable dust suppression system	comp.	1
6.35	Remote travel control unit	comp.	1
6.36	Cable drum	pcs.	1 (capacity 300 m)
6.37	Power supply cable	m	300
6.38	Warning markings	comp.	1
6.39	Inclined drilling system	comp.	1
6.40	Rods	pcs.	3
6.41	Drilling tools in accordance with annex 1	comp.	1
6.42	RCS Lite NAV system	pcs.	1
6.43	3G/LTE Modem	pcs.	1
6.44	Angle indicator and depth gauge	comp.	1
6.45	Warranty period	months	Min 12
6.46	Warranty and after-sales service		Availability of service support in Ukraine
7	Tools		
7.1	Drill bit	pcs.	1
7.2	Bit sub	pcs.	1
7.3	Top adapter	pcs.	1
7.4	Drill table bushing	pcs.	1
8	Warranty period, months motor-hour		
Additional requirements			
1	Service centre availability		
2	Training to Customer's Personnel		
3	Consignment warehouse (spare parts stock)	In min \$	
Additional information for TCO calculation			
1	Fuel rate		
2	Provide a schedule of planned maintenance activities, including		
3	Cost of man/hour		
Additional information (options)			
	Option 1	USD	
	Option 2	USD	
	Option 3	USD	

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Item No.	Description	Unit of measure	Equipment type and parameters
	Type of equipment		Drilling Rig
	Purpose		Contour drilling for establishing the borehole with variable diameter
	Rig power supply type		
1	Drilling equipment		
1.1	Drilling type		Rotary
1.2	Hole diameter	mm	115-176, 200-250
1.3	Single-pass drilling depth	m	min 15
1.4	Maximum drilling depth	m	up to 40
1.5	Drilling angle relative to the vertical	deg.	0 to 40
2	Manufacturing parameters		
2.1	Bench height	m	15
2.2	Deep hole drilling	m	up to 40
2.3	Ore bulk density	t/m3	2.98
2.4	Rock bulk density	t/m3	2.98
2.5	Groundwater conditions		High
2.6	Rock abrasive ability		High
2.7	Capability for flexible drilling		Yes
3	Running gear		Crawler
4	Operator cabin		Sealed, ROPS/FOPS
5	Temperature control		Self-diagnostics
6	Configuration		
6.1	Centralised lubrication system		Yes
6.2	Automatic fire-fighting system		Yes
6.3	Air conditioner and heater		Yes
6.4	Emergency flasher		Yes
6.5	Back-up signal		Yes
6.6	Rear view camera		Yes
6.7	Video recorder		Yes
6.8	LED lighting for work area		Yes
6.9	Dust suppression system		Yes
6.10	System for operation in water-bearing ground		Yes
6.11	Drilling tool set		Yes
6.12	Tool set		Yes
6.13	Documentation set		Yes
6.14	Spare Parts Manual		Yes
6.15	Operation manual		Yes
6.16	Maintenance and repair manual		Yes
6.17	Climatic category: boreal climate-1		Yes
6.18	Work at -30/+40 °C		Yes
6.19	Motor hour metering system		Yes
6.20	Commissioning spare parts set		Yes
6.21	Hydraulic jack		Yes
6.22	Drill tool thread automated		Yes
6.23	Service winch with an overhead		Yes
6.24	Parallel hole drilling set		Yes
6.25	Protective handrails in the machinery		Yes
6.26	Electric fuel filling system		Yes
7	Warranty period	months	Min 12
8	Warranty and after-sales service		Availability of service support in
9	Warranty period, months motor-hour		
Additional requirements			
1	Service centre availability		
2	Training to Customer's Personnel		
3	Consignment warehouse (spare parts stock)	In min \$	
Additional information for TCO calculation			
1	Fuel rate		
2	Provide a schedule of planned maintenance activities, including		
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Additional information (options)			
	Option 1	USD	
	Option 2	USD	
	Option 3	USD	