

to the application for the purchase of an excavator				
No	Description	UoM	Type of excavator	To be filled in by Supplier:
1	Name of the proposed vehicle		Crawler, front shovel	
2	Price for 1 unit, USD (without additional options)			
3	Payment terms			
4	Delivery terms			
5	Delivery time			
6	Drive unit			
1.1	Electric			
2	Bowel capacity	m3	10, 12, 15	
3	Overall dimensions:			
3.1	height	mm		
3.2	width	mm		
3.3	length	mm		
19	Operator's cabin		Single-seat, sealed, heat- and sound-	
15	Operating indices			
15.1	Standing level, scooped radius	m	8.14/6	
15.2	Unloading radius	m	10.5-16.3	
15.3	Unloading height	m	8.6	
16	Configuration			
17	Lincoln central lubrication system or other		Yes	
17.1	Package for operation at ambient temperatures -30 to +40°C. Climate category - UNCL-1 (moderate cold climate)		Yes	
17.5	Outdoor lighting facilities	Yes		
17.6	Indoor and outdoor lighting	Yes		
17.7	Seat with vibration protection	Yes		
17.8	Seat cabin	Yes		
17.9	Handrails around the cabin	Yes		
17.10	Handrest levers	Yes		
17.11	Centralized lubrication system	Yes		
17.16	Air conditioning device with heater and dusts filter	Yes		
17.18	Motor with antenna and cable	Yes		
17.19	Package of technical documentation for operation, maintenance and repair	Yes		
17.22	"Permit for the use of high-hazard machines, mechanisms and equipment" which a producer or a supplier of high-hazard equipment shall submit before acceptance of		Yes	
17.23	Declaration on the machinery compliance with Technical Safety Regulations		Yes	
17.24	Handbook on the job site in the cab	Yes		
17.25	Build-in operator's tool kit	Yes		
18	Warranty, months, motor hour			
1	Additional requirements			
1	Availability of a service center			
2	Customer's personnel training			
3	Consignment warehouse (spare parts)	in mth \$		
Additional data for TCO calculation				
1	Fuel consumption per km			
2	Provide a schedule of routine maintenance, materials and their cost.			
3	Cost per person/hour			
Additional information (options)				
Option 1	USD			
Option 2	USD			
Option 3	USD			

Basic requirements for the complete set of a mining electric, hydraulic excavator with a backhoe				
No	Description	UoM	Excavator type and parameters	To be filled in by Supplier:
1	Name of the proposed vehicle			
2	Price for 1 unit, USD (without additional options)			
3	Payment terms			
4	Delivery terms			
5	Delivery time			
6	Excavator type		Hydraulic mining crawler-mounted excavator	
Purpose	Loaders of blasted rock mass			
1.1	Bench height	m	15	
1	Operational equipment			
1.1	Operational equipment type		Backhoe	
1.2	Shovel capacity	m3	15	
1.3	Shovel design		reinforced for rock	
1.4	Shovel teeth		Built-up, heavy-duty	
1.5	Shovel bottom protection		Yes	
1.6	Shovel sided protection		Yes	
1.7	Strengthened boom		Yes	
1.8	Strengthened arm		Yes	
2	Power supply and power equipment			
2.1	Active type		Electric type	
2.2	Stator voltage	kV	6	
2.3	Current frequency	Hz	50	
2.4				
2.5	Cable drum		Yes	
2.6	Insulation monitoring system		Yes	
2.6	Short circuit protection		Yes	
2.7	Emergency power off		Yes	
3	Manufacturing parameters			
3.1	Bench height	m	15	
3.2	Bulk density of ore	dm3	3.38	
3.3	Bulk density of rock	dm3	2.88	
3.4	Rock before excavation		blown up due to drilling and blasting works	
3.5	Rock mass type		Rocky and semi-rocky	
3.6	Operating condition		Open-pit mining	
4				
4.1	Running gear			
4.2	Type of running gear		Crawler	
4.3	Running gear design		Strengthened, for mining	
4.3	Centralized lubrication of the running gear		Yes	
5	Operator's cabin			
5.1	Cabin protection		RCPI/RCPS	
5.2	Air conditioner		Yes	
5.3	Heater		Yes	
5.4	Pneumatic operator's seat		Yes	
5.5	Color system control monitor		Yes	
6	Control system			
6.1	Self-diagnostics		Yes	
6.2	Monitoring of operating parameters		Yes	
6.3	Emergency message records		Yes	
6.4	Remote monitoring		Yes	
7	Configuration			
7.1	Lincoln centralized lubrication system or equivalent		Yes	
7.2	Automatic fire-fighting system		Yes	
7.3	Flashing beacons		Yes	
7.4	Back-up signal		Yes	
7.5	4-coview cameras		Yes	
7.6	Video recorder		Yes	
7.7	LED lighting		Yes	
7.8	Air conditioner and heater		Yes	
7.9	Motorable KM-1000 radio set		Yes	
7.10	Integration with the open pit dispatching system		Yes	
7.11	Tool set		Yes	
7.12	Set of documentation		Yes	
7.13	Spare parts list		Yes	
7.14	Maintenance and repair manual		Yes	
7.15	Climate category - UNCL-1 (moderate cold climate)		Yes	
7.16	Operation at temperatures -30°C to +40°C		Yes	
7.17	Work in dusty conditions		Yes	
7.18	Automatic condition monitoring system		Yes	
7.19	Engine hour tracking system		Yes	
7.20	Spare parts list for commissions		Yes	
8	Warranty, months, motor hour			
Additional requirements				
1	Availability of a service center			
2	Customer's personnel training			
3	Consignment warehouse (spare parts)	in mth \$		
Additional data for TCO calculation				
1	Fuel consumption per km			
2	Provide a schedule of routine maintenance, materials and their			
3	Cost per person/hour			
Additional information (options)				
Option 1	USD			
Option 2	USD			
Option 3	USD			

Basic requirements for the complete set of a mining electric, hydraulic excavator with a front shovel				
No	Description	UoM	Excavator type and parameters	To be filled in by Supplier:
1	Name of the proposed vehicle			
2	Price for 1 unit, USD (without additional options)			
3	Payment terms			
4	Delivery terms			
5	Delivery time			
6	Excavator type		Electric, hydraulic mining crawler-mounted excavator	
Purpose	Transfer of crushed ore mass to railway transport			
1.1	Bench height	m	15	
1	Operational equipment			
1.1	Operational equipment type		Front shovel	
1.2	Shovel capacity	m³	15	
1.3	Shovel design		reinforced for crushed ore, reinforced for rock	
1.4	Shovel teeth		Built-up, heavy-duty	
1.5	Shovel bottom protection		Yes	
1.6	Shovel sided protection		Yes	
1.7	Strengthened boom		Yes	
1.8	Strengthened arm		Yes	
2	Power supply and power equipment			
2.1	Active type		Electric type	
2.2	Stator voltage	kV	6	
2.3	Current frequency	Hz	50	
2.4				
2.5	Cable drum		Yes	
2.5	Insulation monitoring system		Yes	
2.6	Short circuit protection		Yes	
2.7	Emergency power off		Yes	
3	Manufacturing parameters			
3.1	Bench height		Crushed ore mass	
3.2	Source of material		Surface warehouses and transfer points	
3.3	Method of preparing the material		Crushing on KKD-800/1500	
3.4	Bulk density of ore	dm³	3.38	
3.5	Bulk density of rock	dm³	2.88	
3.6	Loading type		In railway transport	
3.7				
4	Operation mode		Day and night	
4				
4.1	Running gear			
4.1	Type of running gear		Crawler	
4.2	Running gear design		Strengthened, for mining	
4.3	Centralized lubrication of the running gear		Yes	
5	Operator's cabin			
5.1	Cabin protection		RCPI/RCPS	
5.2	Air conditioner		Yes	
5.3	Heater		Yes	
5.4	Pneumatic operator's seat		Yes	
5.5	Color system control monitor		Yes	
6	Control system			
6.1	Self-diagnostics		Yes	
6.2	Monitoring of operating parameters		Yes	
6.3	Emergency message records		Yes	
6.4	Remote monitoring		Yes	
6.5	Diagnostic data transfer		Yes	
7	Configuration			
7.1	Lincoln centralized lubrication system or equivalent		Yes	
7.2	Automatic fire-fighting system		Yes	
7.3	Flashing beacons		Yes	
7.4	Back-up signal		Yes	
7.5	Rear view camera		Yes	
7.6	Additional view cameras		Yes	
7.7	Video recorder		Yes	
7.8	LED lighting of the working area		Yes	
7.9	Lighting of the no-visibility loading area		Yes	
7.10	Air conditioner and heater		Yes	
7.11	Motorable DM-1450 radio set		Yes	
7.12	Integration with the enterprise dispatching system		Yes	
7.13	Tool set		Yes	
7.14	Set of technical documentation		Yes	
7.15	Spare parts list		Yes	
7.16	Operation manual		Yes	
7.17	Maintenance and repair manual		Yes	
7.18	Climate category - UNCL-1 (moderate cold climate)		Yes	
7.19	Operation at temperatures -30°C to +40°C		Yes	
7.20	Work in dusty conditions		Yes	
7.21	Automatic condition monitoring system		Yes	
7.22	Engine hour tracking system		Yes	
7.23	Energy consumption control system		Yes	
7.24	Spare parts list for commissions		Yes	
8	Warranty, months, motor hour			
Additional requirements				
1	Availability of a service center			
2	Customer's personnel training			
3	Consignment warehouse (spare parts volume)	in mth \$		
Additional data for TCO calculation				
1	Fuel consumption per km			
2	Provide a schedule of routine maintenance, materials and their cost.			
3	Cost per person/hour			
Additional information (options)				
Option 1	USD			
Option 2	USD			
Option 3	USD			