

LIST OF THE MOST IMPORTANT TENDER INFORMATION		
Item - see SECP	required	offered
Design concept	based on supporting frame, with no need of foundation different than industrial floor	
Air cooling system with all ducts and installation	included	
Max. driving unit power	min. 180 kW	
Max. operating braking torque	min. 5500 Nm	
Max. operating speeds	min. 2500 rpm	
Max. driving unit dragging speed	min. 1800 rpm	
Max. driving unit dragging torque	min. 1500 Nm from 0 rpm to 1000 rpm	
Total inertia min. range	5 ... 240 kgm ² (without increments)	
Mechanical inertia	min. 120 kgm ²	
Max. breaking pressure	min. 200 bar	
Max. pressure ramp rate	min. 1000 bar/s	
Max. temperature measured inside disc/drum brake	min. 1000°C	
Number of rotating temperature channels - telemetry system	min. 4	
Max. temperature measured inside friction lining	min. 1000°C	
Number of non-rotating temperature channels	min. 4	
Interface for contactless measured temperature	included	
Interface for thermo-vision camera	included	
Interface for microphone	included	
Test chamber dimensions (W x L x H)	min. 1 m x 0.5 m x 0.8 m	
Cooling air temperature (range and accuracy)	15 ... 30 ± 5°C	
Cooling airflow	0 ... 4000 m ³ /h	
Environment resistant camera	included	
Torque calibration lever	included	
DVT system	included	
Data acquisition frequency	min. 2000 Hz	
Breaking torque measurement	resolution 1 Nm/accuracy ±0.5%FS	
Rotational speed measurement	resolution 0.1 rpm/accuracy ±0.2%FS	
Hydraulic pressure measurement	resolution 0.1 bar/accuracy ±0.5%FS	
Temperature measurement	resolution 1°C/accuracy ±1°C	
Time measurement	resolution 0.0005 s/accuracy: 0.0005 s	
Revolutions to stop measurement	resolution 0.1 rad/accuracy ± 0.05 rad	
Test chamber cooling air temperature measurement	resolution 1°C/accuracy ±2°C	
Test chamber cooling air humidity measurement	resolution 1%RH/accuracy ±2%RH	
Test chamber cooling airflow measurement	resolution 10 m ³ /h/accuracy 100 m ³ /h	
Brake fluid displacement system measurement	resolution 0.002 cm ³ /accuracy ±0.5%FS	
Incoterms delivery conditions	DDP	
Basic training	included	
Complete training (operation and maintenance + UN ECE Regulations 90, 13 and 13H)	included	