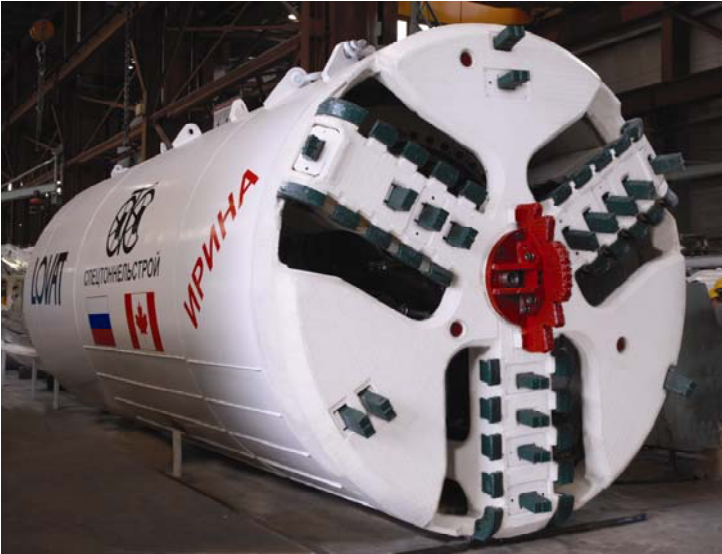


Delivery of TBM to Spetstonnelstroy – Babushkin Substation Cable Tunnel, Russia



Russian contractor Spetstonnelstroy has taken delivery of a LOVAT RME129SE Series 23500 Earth Pressure Balance Tunnel Boring Machine [TBM]. The TBM will be utilized in the construction of the Babushkin Substation Cable Tunnel located in Moscow, Russia.

The 3.3 meter diameter, mixed face TBM will bore the 682.5 meter tunnel through geology characterized by fluvio-glacial and moraine deposits. These consist mainly of silty sand, fine to coarse grain sand, and gravel. Water heights above tunnel alignment will be up to 10 meters, while the depth of cover above the tunnel crown will vary between 5 and 20 meters. The entire tunnel alignment will be in water saturated soils below the groundwater level.

In addition to the TBM and backup, LOVAT has also designed and supplied the segment forms for manufacturing of the segmental tunnel lining. LOVAT is also providing technical assistance for the assembly, testing and initial start-up of the TBM. Tunnel excavation is scheduled to begin prior to year's end.



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