

## PRESS RELEASE

### TERRATEC

**For Worldwide Release: November 2012**

### **TERRATEC SUPPLIES FIRST TBM FOR DELHI METRO PHASE III**

Release Number: 188

Terratec is pleased to announce that on Thursday, November 29<sup>th</sup>, the first of six (6) TBMs for Delhi Metro Phase III was delivered to the client after a successful performance of the workshop testing.



The official ceremony was held in the presence of representatives from the client - a joint venture between Metrostroy O.S. of Russia and ERA Infra Ltd. of India - after seven (7) months from receipt of order, which is a record for this class of machine. The second TBM for this project will be delivered to the JV before the end of the year.



The Tunnel Boring Machine is a Ø6.61m EPB Shield. It has been specifically designed for the conditions of this project and incorporates state-of-the-art features such as the VFD electric driven CutterHead, a versatile design of the cutting tools that are interchangeable with 17" roller disc cutters, the active type articulation for the shield, and the

tail's built-in 2-Liquid backfilling system.

The JV intends to use a total of two (2) TBMs for the execution of the tunnelling works between Kashmere Gate and Jama Masjid Stations – all part of Delhi Metro Contract CC-07. This brings the total combined distance that each TBM will bore to approximately 2,040m. The tunnel segment lining will be made of RC segments, universal type, with an outer diameter of 6,350mm, inner diameter of 5,800mm and width of 1,400mm.

Delhi – the capital city of India and the largest commercial centre in northern India – has a growing demand for more infrastructure and transportation given the huge influx of people who flock to the city annually. The GDP grew by 10.7% in the past five years making it the fastest growing city in the region. Phase III focuses on more of the outer lying areas of the city. As Delhi's population grows and expands outward, there is a greater need for transportation to these areas. Once Phase III is completed, the Metro will cover 70% of Delhi.

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