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Department of Mining Engineering  
*Dr. Samir K. Pal*  
Professor

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that, we tested the VOD ( Velocity of Detonation) and Delay Meter developed by M/s Uttam Blastech Pvt Ltd, Hyderabad and found it to be accurate up to 1 microsecond for Delay Measurement and up to 90 meters/second in case of VOD when compared to Dautriche Method.

*SKP* 04/11/2016

(Prof. Samir K Pal)

or UTTAM BLASTECH PVT. LTD.

*[Signature]*  
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*K. Narendar*  
ATTESTED

K. NARENDAR, B.A., LL.B.,  
Notary

