



COMPANY HISTORY

What are we ?

Uttam Blastech is a professionally managed organisation offering end to end excavation solutions to Mining, Consulting and Excavation industries. Since our inception in the year 2000, we are best regarded for providing timely and quality services besides engineering our very own distinct products.

Pioneers in

As pioneers in Excavation consultation, we offer an array of comprehensive services pertaining to excavation and technology and are the one stop shop for all your excavation needs be it Geological Studies, Excavation Planning, Debottlenecking, Noise and Vibration Studies or Cost Optimisation.

Handy Experience

Uttam Blastech played the resourceful part and contributed in some of the most sensitive and landmark projects like the Hyderabad Metro Rail, construction of GVK Mall, DLF Laing O'Rourke etc.

What do we do ?

At Uttam Blastech, we strive to offer **economically viable, environmentally sustainable and legally compliant solutions.** We provide geological, financial and legal assessments offering advice on statutory, financial risks and compliances as per the required standards, without compromising on the values of quality, safety and business ethics.

Our Global Exposure

Uttam Blastech has consistently delivered the most effective solutions to meet the needs of our customers, across the globe. We are appreciated for our prime services, not only in India but also in countries like Australia, UAE, Oman and Nigeria.

Our Expert Team

With a team of over 100 years of accumulated industry experience, Uttam Blastech has delivered the best of services as and when required. Apart from scaling new heights, we have also received accolades for our opportune and innovative products.

LANDMARK PROJECTS

Hyderabad Metro Rail - Larsen & Toubro

The foundation for the Hyderabad Metro Rail is being laid in a rocky terrain. In order to stabilise the foundation in areas like Jubilee Hills where the metro stations would be situated over rocky strata, Larsen & Toubro consulted us to monitor blast induced ground vibrations. To avoid damage to large number of shops lying in the up - market vicinity which would hinder the project further, Uttam Blastech's experts ensured at every step that blast noises and vibrations are within permissible limits, and periodic reports regarding the same were submitted.

Karwar Project

International Seaport Dredging Pvt. Ltd. approached us for conducting a pre-blast survey of surrounding structures at a project site in Karwar, Karnataka. Rock blasting has to be carried out near many important and critical structures at the project site. So, it is essential to document the present condition of the structures and design the blasts in a manner that it does not damage these structures. Uttam Blastech completed the survey of existing structures around the blasting area that are likely to be affected and recommended vibration levels for each structure.

GVK Mall

During 2003, as construction commenced for a new mall in Hyderabad, the neighbouring residents almost filed a court case against the developer, a prominent Indian conglomerate, citing damages due to the blasts. This is when the conglomerate enrolled the services of Uttam Blastech. Using the seismograph, Uttam Blastech provided accurate readings and found out the truth.

Vimta Labs

Vimta Labs required a dump slope study analysis for one of its client's mining projects. This analysis was to obtain environmental clearance from the regulatory authorities. The budget assigned and the scheduled time were quite tight. However, vimta labs approached Uttam Blastech, and we were able to carry out the analysis in the shortest time frame within the allocated budget.



Nigeria Project - Nigeria

When a Dubai based group was assigned the task of constructing a Hydro Electric Project at the tow of the existing irrigation dam in Nigeria, Uttam Blastech provided expertise on rock blasting methodology which was at par with the Swiss consultant's standards and requirements. Apart from providing blasting consultation, Uttam's experts helped execute the Hydro Electric Project without compromising on the safety standards of the dam or causing damage to the surrounding areas.

The Gulf - Oman

A Drilling and Blasting company wanted to acquire its competitors. The target company to be acquired was purchasing its raw materials from the intended buyer. One of the topmost consulting companies in the Gulf carried out a valuation of the target organisation. When the acquirer approached Uttam Blastech, we analysed the qualities of purchase orders, balance sheets and technical competency of the organisation and suggested a much lower valuation of the target company when compared to the other consultant.

Prism Cement

Prism Cement's acquisition of Fletcher Building's Concrete business of construction materials led to the acquisition of a quarry as well. Before our intervention, the company was able to produce about 4,500 tons of boulders per month. However, after our involvement, the production reached to about 18,000 tons of boulders in 6 months; four times that of the initial production capacity without any addition in machinery.

DLF Laing O'Rourke (India) Ltd.

DLF Laing O'Rourke was assigned the responsibility of blasting about 300,000 cubic metres of rock at a location of 450 metres away from the Office of the Commissioner of Police, Hyderabad and around 800 metres from the Secretariat of Government of Telangana. The project was in a VIP location and with heritage structures in the proximity, leaving great chance for blasting related mishaps and litigations. DLF approached Uttam Blastech after which we were able to create documentation as evidence to avoid legal tangles, monitor all blasts to act as evidence in case of litigation, and also ensure that contractors adhered to the prescribed limits.

Pioneer Builders

Pioneer Builders needed to carry out blasting below a 440 kV power line connecting Hyderabad and Nagarjuna Power House which supplies electricity to the entire city. Since the job was of high risk and required extreme precautions, they approached Uttam Blastech. We decided to use in-hole delays & blast different decks at different intervals (keeping charge per delay within limits) with safety as a priority. The blast vibrations and noise were constantly monitored for the use of the client, irrigation department and the tower line owner. With this, we became the first ones in the construction sector in the state to use in-hole delays and seismographs.

Sri Laxmi Engineering Company

Sri Laxmi Engineering Company was asked to excavate around 37,000 cubic metres of rock by NTPC (Super Thermal Power Station) at their Super Thermal Unit in Ramagundam. Sri laxmi engineering company approached Uttam Blastech for rock blasting as the site was in a very critical area, 20 metres away from their power producing turbine and about 6 metres from the pump house which supplies water to the entire unit. Surpassing all odds Uttam Blastech convinced the authorities on safety concerns and completed the work in 37 days, producing 1000 cubic metres a day.

Sri Sai Lakshmi Construction & Company

Sri Sai Lakshmi Construction & Company consulted Uttam Blastech to blast 125,000 cubic metres of rock next to 75 year old Kekote dam that supplies water to the city of Gwalior in the state of Madhya Pradesh, India. Safety and implementation were our greatest challenges. We coordinated with the dam authorities and executed the task in less than 6 months to their satisfaction.

RMC Ready Mix India Ltd

Uttam Blastech helped in feeding a 300 tons per hour crusher from quarry which was not producing the day's requirement right next to Sonnappanahalli village, Bangalore, Karnataka. Uttam Blastech took up the quarrying contract for RMC Ready Mix India Ltd and our first challenge was to develop proper benches in the mine and use controlled blasting. Each blast was then monitored for vibrations and the noise produced to ensure that vibrations and noise generated in the blasting are within the prescribed limits.



SERVICES

■ **Blasting & Consultation**

Choosing the right methodologies and practices to overcome social, economical & legal constraints followed by periodic and continuous measurement of blast - induced noise and ground vibrations.

■ **Geological Reserve Estimation**

Estimate the overburden and soil cover, be it for your planned mine, quarry or any construction excavation. Know precisely location of nearest material source and quantities of rock to be excavated by blasting.

■ **Mine Reserve Planning & Extraction**

Optimal output generation after a thorough analysis of your requirement, site constraints and budget.

■ **Implosion & Demolition**

Safe implosion & demolition in collaboration with NITREX srl ®, an Italian company specialising in implosion (Compliance with European Standards of Safety and Environment)

■ **Legal Compliance & Advisory Solutions**

Advising on statutory compliances to avoid legal & regulatory hassles along with periodic risk assessment, safety audits and noise surveys.

■ **Noise & Vibration Monitoring and Mitigation**

Uttam has solutions to measure and mitigate excessive noise and vibrations resulting from Rock Blasting, Traffic, Pile Driving, and other heavy-impact activities such as Aircraft Landings etc.

■ **Slope Stability Analysis**

Determination of an economically viable, safe and stable slope angle for efficient excavation.

■ **After Blast Effects Report**

Periodic measurement of noise and ground vibrations resulting from blasting and third party testimonials.

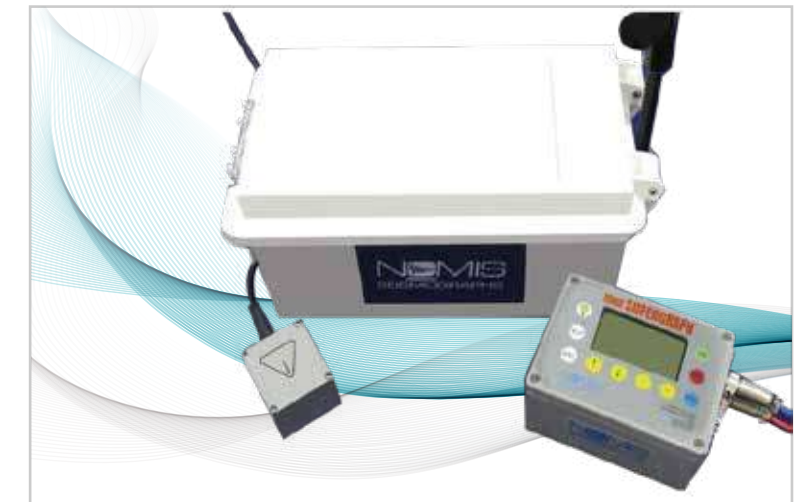
PRODUCTS

VOD METER & DELAY TIMER



Assessment of delay time and explosive quality with Uttam Blastech's Proprietary VOD Meter & Delay Timer (**Storage upto 15000 events & IP65 protection against dust and water**)

SEISMOGRAPHS



NOMIS MiniSupergraph II capable of recording 16,000 samples per second & storage of 65,000 events for accurate noise & vibration measurement.

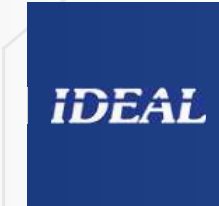
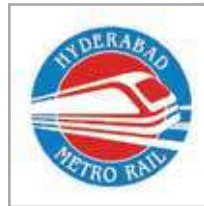
BLASTING MATS



Durable and high performance blasting mats, customizable to any size helping to reduce fly-rock & suppressing blasting noise.



CLIENTS





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