



甲部 - 工作纪录

**Part A : Working Record**

引爆手实习员姓名 Name of Trainee Shot Firer		实习爆破更数 No. of blast undertaken	
工程项目 Project			
地盘位置 Site Location			
地盘编号 Site Code		爆破编号 Blast No.	
日期 Date	爆破时间 Blasting Time	天气 Weather	
引爆手导师姓名 Name of Trainer		矿场燃爆证书号码 MBC No.	

乙部 - 爆破设计详情

**Part B : Blast Design Details**

a) 爆破类型 (例如台阶、预裂、隧道、竖井、沟渠): Type of Blasting (e.g. bench, pre-split, tunnel, shaft, trench)			
b) 炮孔排列 (例如方形、交错形、扇形掏槽、楔形掏槽、瑞典式掏槽): Drill pattern (e.g. square, staggered, fan cut, wedge cut, burn cut):			
c) 使用炸药类型及数量(个及公斤): Type and quantity of explosives used (nos. & kg)			
d) 起爆方法 (例如非电方式、电子方式): Initiation system (e.g. non-electric, electronic):			
e) 炮孔数目(个): Number of blastholes (nos.):		f) 台阶高度 (米) (如适用): Bench height (m) (if applicable):	
g) 炮孔直径 (毫米): Blasthole diameter (mm):		h) 负荷 (米): Burden (m):	
i) 孔距 (米): Spacing (m):		j) 超深 (米) (如适用): Sub-drill depth (m) (if applicable):	
k) 填塞长度 (米): Stemming length (m):		l) 炮孔总深度 (米): Total blasthole depth (m):	
m) 层间填塞长度 (米): Inter-deck stemming length (m):		n) 炮孔角度: Blasthole inclination:	

o) 爆破面积 (平方米): Blast area (m <sup>2</sup> ):		p) 岩石体积 (立方米): Volume of rock (m <sup>3</sup> ):	
q) 每段延时最大药量 (公斤): Maximum charge weight per delay (kg):		r) 炸药系数 (公斤/立方米): Powder factor (kg/m <sup>3</sup> ):	

丙部 – 平面图，切面图及草图

**Part C – Plan, Cross-sections and Sketches**

<p>a. 如属地面爆破 (例如台阶、预裂、沟渠), 请提供: For opencast blasting operation (e.g. bench, pre-split, trench), please submit:</p> <ol style="list-style-type: none"> <li>1) 标示爆破位置及保护措施(如有)之规划图 A layout plan showing the blast location, and protective measures (if required)</li> <li>2) 标示炮孔排列高度(如负荷、孔距、台高、孔深、超深)之切面图(X-X 及 Y-Y) Cross-section (X-X and Y-Y) showing elevation of drilling pattern (e.g. burden, spacing, bench height, blasthole depth, subdrill)</li> <li>3) 标示炮孔装药详情, 起爆延时顺序及炮孔起爆时间之草图 Sketches showing blasthole charging details, delay firing sequence and timing of blastholes.</li> </ol> <p>b. 如属地下爆破 (例如隧道、竖井), 请提供: For underground blasting operation (e.g. tunnel shaft), please submit:</p>
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爆破设计草图  
A sketch showing the blast design

如有需要请另加附页  
\* Please use Supplementary Sheets if necessary

丁部 - 装药及起爆方法

Part D : Charging and initiation Method

1) 检查自由面及爆破位置 Examination of free face and blasting location		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
2) 根据爆破设计查核炮孔布局 Checking of drilling pattern against blast design		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
3) 标示炮孔 / 延时起爆布局 Marking up of holes / delay pattern		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
4) 量度炮孔 (检查炮孔大小、孔深、孔距及负荷) Measuring of blast holes size, depth, spacing, and burden		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
5) 配装起爆器炸药 Preparing of primer		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
6) 装填炸药(尤其是地面爆破的前排负荷控制, 以及填塞控制) Loading of explosives (in particular front row burden control for surface blasting, and stemming control)		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
7) 接驳雷管 Hook-up of detonators		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
8) 执行疏散程序、预防及保护措施 (例如临时封路、炮笼、排栅、铁网、炮门) Implementation of evacuation procedure, precautionary and protective measures (e.g. temporary road closure, blasting cages, vertical screens, hanging wire mesh screens, blast door)		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
9) 指定疏散区及路口警戒位置(用图表示详情)以及发出之警告讯号 (如敲锣、警号) Designated evacuation area with sentries guarding (give details with a site plan) and warning signal issued (e.g. gong, siren)		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
10) 爆破前的检查工作和引爆炸药 Checking to be carried out before firing and firing of charges		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
11) 引爆后检查燃爆位置及处理拒爆和未爆炸的炸药 Checking of the blasting location after firing and handling of misfires and unexploded explosives		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
12) 于保护对象(如有)监察爆破震动 (以质点速度峰值 PPV 表述) Ground vibration monitoring in terms of Peak Particle Velocity (PPV) at sensitive receiver concerned (if any)		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
13) 于保护对象(如有)监察空气冲击波 (线性分贝) 或 (加权分贝) Air-overpressure (dBL) or airblast (dBA) at sensitive receiver concerned (if any)		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement

14) 事故 / 意外报告 (例如失响、飞石) (如有) Reporting of incident / accident (e.g. misfire, flyrock) (if any)		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement
15) 其他 Others		<input type="checkbox"/> 满意 Satisfactory <input type="checkbox"/> 仍需改善 Need improvement

戊部 - 引爆手实习员爆破后个人观察及所注意事项

**Part E – Post-blast comments given by the Trainee Shot Firer**

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己部 - 引爆手实习员声明

**Part F – Trainee Shot Firer's Declaration**

我谨此声明, 据我所知所信, 我就这份申请所呈交的一切数据及详情, 均属正确无讹。

I hereby make application and declare the information provided to be true and accurate to the best of my knowledge at this time.

\_\_\_\_\_  
引爆手实习员签署 Signature of Trainee Shot Firer  
( )

\_\_\_\_\_  
日期 Date

庚部 - 引爆手导师爆破后评语

**Part G – Post-blast comments given by the Approved Trainer**

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辛部 - 引爆手导师声明

**Part H – Approved Trainer's Declaration**

我谨此声明, 据我所知所信, 我就这份申请所呈交的一切数据及详情, 均属正确无讹。

I hereby make application and declare the information provided to be true and accurate to the best of my knowledge at this time.

\_\_\_\_\_  
引爆手导师签署 Signature of Approved Trainer  
( )

\_\_\_\_\_  
日期 Date