BLASTING METHOD STATEMENT

PREPARATION	
1	Principle Contractor to provide a clean and accessible drilling surface.
2	Principle Contractor to liaise with community to inform them of blasting taking place
3	Blasting and Transport permits will be obtained from the Inspectorate of explosives.
4	Local Inspector of Explosives will be notified before blasting takes place.
5	Principle Contractor to record and inform Blaster of pre-existing damage.
6	Principle Contractor to identify and mark services.
7	If there are Eskom pylons or power lines, Eskom will be notified a day before the blast.
8	Principle Contractor to identify sensitive equipment and installations and inform Blaster
9	The Blaster will submit blasting plan prior to any blast as per Client, Engineer or Site Agent specifications.
10	Employees will receive induction training and training on risk assessments.

TRANSPORT DRILLING EQUIPMENT	
1	Driver of transport vehicle to ensure that the compressor and drilling equipment is properly secured to the vehicle.
2	Drivers must keep to the set speed limit.
3	Driver of transport vehicle to ensure that the transport vehicle is not overloaded.

DRILLING	
1	Blaster will identify area which must be drilled and instruct employees
2	Prestart checklists to be completed
3	Where areas are inaccessible for the hydraulic crawler rigs to enter jackhammers will be used to make access.
4	Holes to be drilled as per blasting plan

EXPLOSIVES TRANSPORT	
1	Explosives will be transported to site in compliance with Chapter 6 of the Explosives Act.
2	Only the required amount of explosives will be taken to site

CHARGING UP PROCEDURE	
1	Charging up will be done under supervision of blaster who will determine the charge required to break the rock. A powder factor of approximately 0.4 kilogram per m3 will be sufficient to get required results
2	Holes will be charged as per blasting plan

PRE BLAST	
1	"DANGER, BLAST AREA" signage to be erected by Blaster in prominent positions
2	The blaster on site will clear all people out of range of the blast site
3	Guards with red flags will be placed in positions to prevent any unauthorized persons of entering blasting area (access roads, national roads).
4	Evacuate all buildings in the vicinity
5	Use Vibrometer if there is sensitive equipment or installations

CONNECTING DETONATORS AND FUSE LINES	
1	Warning siren will be sounded before detonators and fuse lines are connected
2	Every second fuse line should protrude to allow for redetonation in the event of misfires

COVERING	
1	Blast will be covered with matting or rock free sand if it is in within 500m of buildings or with at least 1.5m of sand in the vicinity of Eskom pylons and cables

BLASTING	
1	Ensure blast area is clear of unauthorised persons, public and vehicles
2	Sound final warning siren for at least 3 to 5minutes
3	Detonate blast

AFTER BLASTING INSPECTION	
1	The blaster on site will inspect the blast after the re-entry period of 30 minutes to ensure that all charges have detonated..
2	Misfires will be handled in accordance with Regulation 10.15.1 of the Explosives Act
3	All clear will be sounded after dissipation of fumes and checking for misfires

SPECIAL CONDITIONS	
1	As far as possible, any special conditions set by the Engineer will be abided by.