

**CHAPTER 34
FORMS**

[Chapter 34 added by GN R3083 of 20 December 1991]

34.1 The following forms are prescribed for use under the Act:

**Form 1
APPLICATION FOR PROSPECTING PERMIT
(Minerals Act, 1991: Section 6)**

The Director: Mineral Development

- 1 Full Name of Applicant
.....
.....
- 2 Identity number (in the case of a person other than a natural person the registration number, where applicable, must be furnished):
.....
- 3 Postal Address Telephone number
- 4 (a) Registered name of land (farm and subdivision) on which you propose to prospect or on which the tailings are situated:
.....
.....
(b) Magisterial District:
.....
- 5 Mineral for which you propose to prospect:
.....
- 6 (a) Name of the holder of the right to the said mineral in respect of the land and tailings concerned:
.....
The original or a certified copy of the title deed (deed of transfer, certificate of mineral rights, mining right, etc.) by virtue of which the said right is held must be attached.
(b) If you are not the holder to the right of the said mineral, the written consent of such holder, wherein he grants you permission to prospect for the said mineral on your own account for the said mineral in respect of the land or tailings concerned, must be attached hereto.
- 7 The application must also be accompanied by particulars of the manner in which you intend to prospect and rehabilitate disturbances of the surface which may be caused by your prospecting operations.
- 8 An amount of R20.00, being the application fee prescribed in regulation 32(1)(a), must accompany this application.

.....
SIGNATURE OF APPLICANT

Date

[Form 1 inserted by GN R3083 of 20 December 1991 and amended by GN R847 of 21 June 1997.]

Form 2
APPLICATION FOR MINING AUTHORIZATION
(Minerals Act, 1991: Section 9)

The Director: Mineral Development

-
- 1 Full Name of Applicant

- 2 Identity number (in the case of a person other than a natural person the registration number, where applicable, must be furnished):

- 3 Postal Address Telephone number
- (a) Registered name of land (farm and subdivision) on which you propose to mine or on which the tailings are situated:

- (b) Magisterial District:.....
- 5 Mineral which you propose to mine:

- 6 (a) Name of the holder of the right to the said mineral in respect of the land and tailings concerned:

- The original or a certified copy of the title deed (deed of transfer, certificate of mineral rights, mining right, etc.) by virtue of which the said right is held must be attached.
- (b) If you are not the holder to the right of the said mineral, the written consent of such holder, wherein he grants you permission to mine for the said mineral on your own account for the said mineral in respect of the land or tailings concerned and to dispose thereof, must be attached.
- 7 The application must be accompanied by—
- (a) the sketch plan prescribed in regulation 33(1) indicating the location of the proposed mining area, the land comprising the subject of the application, the lay-out of the proposed mining operations and the location of surface structures connected therewith;
- (b) particulars of the manner in which and scale on which you intend to mine such mineral under such mining authorization optimally and safely and to rehabilitate disturbances which may be caused by your proposed mining operations;
- (c) particulars of the mineralization of the land or tailings, as the case may be, comprising the subject of the application; and
- (d) particulars of your ability to make the necessary provision to mine such mineral optimally and safely and to rehabilitate such disturbances of the surface.
- 8 The prescribed application fee must accompany this application if it is a case referred to in section 9(3)(d) of the Act, the amount of R50.00 prescribed in paragraph (b) of regulation 32.1 will be applicable, and if it is a case referred to in section 9(3)(e) the amount of R100.00 prescribed in paragraph (c) of regulation 32.1 will be applicable].

.....
 SIGNATURE OF APPLICANT

Date

[Form 2 inserted by GN R3083 of 20 December 1991 and amended by GN R847 of 21 June 1997.]

Form 3
PROSPECTING PERMIT
(Minerals Act, 1991: Section 6(1))

Permit No.

Office reference

Office
date stamp

Authorization is hereby granted under and subject to the provisions of the Minerals Act, 1991, to (full name)

identity or registration number
(hereinafter referred to as 'the holder')

of (address)

to prospect for (name of mineral)

in respect of tailings* on (full name of farm and subdivision)

No., Magisterial District

Region

Full Name of holder to the right to the said mineral

Unless this permit is suspended, cancelled or abandoned or lapses it shall be valid from the date of issuing to
.....19..... or to any such later date as may have been endorsed hereon to indicate that it has been renewed.

This permit does not exempt the holder from the requirements of any provision of any other law or from any restrictive provisions or conditions
contained in the title deed of the land concerned, nor does it encroach upon the rights of any person who may have an interest in the land or tailings
concerned or the mineral rights in respect of such land or tailings.

Signed at, this day of 19.....

DIRECTOR: MINERAL DEVELOPMENT

[Form 3 inserted by GN R3083 of 20 December 1991 and amended by GN R847 of 21 June 1997.]

* Delete the words 'in respect of tailings' if they are not applicable.

**Form 4
MINING PERMIT
(Minerals Act, 1991: Section 9(1) read with 9(3)(d))**

Permit No.

Office reference

Office
date stamp

Authorization is hereby granted under and subject to the provisions of the Minerals Act, 1991, to (full name)

identity or registration number

(hereinafter referred to as 'the holder')

of (address)

to mine for (name of mineral)

in respect of tailings* on (full name of farm and subdivision)

No., Magisterial District

Region, as indicated on the attached Sketch Plan No.

signed by the Director: Mineral Development on

Full Name of holder to the right to the said mineral

Unless this permit is suspended, cancelled or abandoned or lapses it shall be valid for a period (not more than two years) which shall extend from the date of issuing to 19.....

This permit does not exempt the holder from the requirements of any provision of any other law or from any restrictive provisions or conditions contained in the title deed of the land concerned, nor does it encroach upon the rights of any person who may have an interest in the land or tailings concerned or the mineral rights in respect of such land or tailings.

Signed at, this day of 19.....

.....
DIRECTOR: MINERAL DEVELOPMENT
.....

[Form 4 inserted by GN R3083 of 20 December 1991 and amended by GN R847 of 21 June 1997.]

* Delete the words 'in respect of tailings' if they are not applicable

**Form 5
MINING LICENCE
(Minerals Act, 1991: Section 9(1) read with 9(3)(e))**

Permit No.

Office reference



Authorization is hereby granted under and subject to the provisions of the Minerals Act, 1991, to (full name)
identity or registration number
(hereinafter referred to as 'the holder').....
of (address)
to mine for (name of mineral)
in respect of tailings* on (full name of farm and subdivision)
No., Magisterial District
Region, as indicated on the attached Sketch Plan No.,
signed by the Director: Mineral Development on

Full Name of holder to the right to the said mineral
Unless this permit is suspended, cancelled or abandoned or lapses it shall be valid for a period (not more than two years) which shall extend from the date of issuing until 19.....
or until the mining of which is hereby authorized can no longer be mined economically by the holder on the land concerned (if a specific date is inserted, delete the words that follow the date).

This licence does not exempt the holder from the requirements of any provision of any other law or from any restrictive provisions or conditions contained in the title deed of the land concerned, nor does it encroach upon the rights of any person who may have an interest in the land or tailings concerned or the mineral rights in respect of such land or tailings.

Signed at, this day of 19.....

.....
DIRECTOR: MINERAL DEVELOPMENT

[Form 5 inserted by GN R3083 of 20 December 1991 and amended by GN R847 of 21 June 1997.]

* Delete the words 'in respect of tailings' if they are not applicable

Form 6
WINDING PLANT
(Minerals Act, 1991: Section 33(1))

**REPUBLIEK
VAN
SUID-AFRIKA**



**REPUBLIC
OF
SOUTH AFRICA**

**DEPARTEMENT VAN MINERAAL- EN ENERGIESAKE
DEPARTMENT OF MINERAL AND ENERGY AFFAIRS**

PERMIT No.

Uitgereik ingevolge artikel 33(1) van die Mineraalwet,
1991, vir die gebruik van 'n—

Issued in terms of section 33(1) of the Mineral Act,
1991, to use a—

HYSINSTALLASIE

WINDING PLANT

Besonderhede van plek van oprigting		Particulars of place installed	
Myn Mine	<input style="width: 90%;" type="text"/>	Skag Shaft	<input style="width: 90%;" type="text"/>

Besonderhede van hysinstallasie		Particulars of winding plant	
Tipe Type	<input style="width: 90%;" type="text"/>	Heiling Inclination	<input style="width: 90%;" type="text"/>
Vervaardigers: Meganies Manufacturers: Mechanical		Elektries Electrical	
<input style="width: 90%;" type="text"/>		<input style="width: 90%;" type="text"/>	

Besonderhede van hystoue			Particulars of winding ropes	
Hoeveelheid Number of	Diameter (mm)	Massa Mass (kg/m)	Breeksterkte Breaking strength (kN)	Vervangingsterkte Discard strength (kN)

Besonderhede van balanstoue			Particulars of balance ropes	
Hoeveelheid Number of	Diameter (mm)	Massa Mass (kg/m)	Breeksterkte Breaking strength (kN)	Vervangingsterkte Discard strength (kN)

Besonderhede van vervoermiddel			Particulars of conveyance		
Tipe Type	Massa (Hegstukke ingesluit) Mass (Attachments included)	Vrag Load (kg)	Tipe vrag Type of load	Hyslengte vanaf katrol Lenght of wind from sheave (m)	Maks. snelheid Max speed (m/s)
.....
.....
.....
.....
.....

Voorwaardes Conditions
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DATUM..... STREEKDIREKTEUR
 PRINCIPAL INSPECTOR OF MINES.....

**Form 7
ELEVATOR PERMIT
(Minerals Act, 1991: Section 33(1))**

Permit No.

Office date stamp

Permission is hereby granted under and subject to the provisions of the Minerals Act, 1991,* to (full name of owner of mine or works where elevator is to be used)

 of (address)

 to use an elevator, details of which appear hereunder, at (full name and description of mine or works and location thereof)

Elevator: Situation
 Manufacturer Serial No.
 Type.....

Type of conveyance	Mass of conveyance and attachments (kg)	Mass of load (kg)	Type of load	Length of wind (m)	Maximum winding speed (m/s)
.....
.....
.....
.....

Winding ropes:

	Winding rope	Balance or tail rope
Diameter (mm)
Mass (kg/m)
Breaking strength (kN)
Discard strength (kN)

Signed at, this day of 19.....

.....
 PRINCIPAL INSPECTOR OF MINES

[Form 7 inserted by GN R3083 of 20 December 1991 amended by GN R94 of 15 January 1997.]

* Section 33(1) of the Minerals Act, 1991 has been repealed — see section 98(1)(g) of the Mine Health and Safety Act, 1996.

Form 8
CHAIRLIFT PERMIT
(Minerals Act, 1991: Section 33(1))*

Permit No.

Office
date stamp

Permission is hereby granted under and subject to the provisions of the Minerals Act, 1991,* to (full name of owner of mine or works where chair lift is to be used)
.....
of (address)
to use a chair lift, details of which appear hereunder, at (full name and description of mine or works and location thereof)

Name of Manufacturer.....
Number of chairs Distance between chairs
Power of motor kW Chair speed
Distance between drive and return sheaves mm
Maximum inclination degrees
Diameter of carrying-hauling rope mm
Diameter of traction rope mm
Diameter of safety rope mm
Dimensions of traction chain mm

Signed at, this day of 19.....

.....
PRINCIPAL INSPECTOR OF MINES

[Form 8 inserted by GN R3083 of 20 December 1991 and amended by GN R94 of 15 January 1997.]

* Section 33(1) of the Minerals Act, 1991 has been repealed — see section 98(1)(g) of the Mine Health and Safety Act, 1996.

Form 9
BOILER PERMIT
(Minerals Act, 1991: Section 33(1))*

Permit No.

Office
date stamp

Permission is hereby granted under and subject to the provisions of the Minerals Act, 1991,* to (full name of owner of mine or works where boiler is to be used)
of (address)
to use a boiler, details of which appear hereunder, at (full name and description of mine or works and location thereof)

Name of Manufacturer.....
Type
Factory number
Year of manufacture
Maker's intended working pressure kPa
Maximum permissible working pressure kPa
Evaporative capacity

Signed at, this day of 19.....
PRINCIPAL INSPECTOR OF MINES

[Form 9 inserted by GN R3083 of 20 December 1991 and amended by GN R94 of 15 January 1997.]

* Section 33(1) of the Minerals Act, 1991 has been repealed — see section 98(1)(g) of the Mine Health and Safety Act, 1996.

Form 10

Reportable accident in terms of regulations 25.1.1(a), (b), (c), (d) and (f) and 25.6(a), (b), (c), (d) and (e)

[Form 10 added by GN R1556 of 20 August 1993.]

GENERAL:

1. Attach a form 11 – REPORTABLE ACCIDENT IN TERMS OF REGULATION 25.1.1 (a), (b), (c), (d) and (f) DETAILS OF DECEASED OR INJURED PERSON – for each person killed, permanently disabled or reportably injured.
2. Codes to be used in this form are specified in the Reportable Accidents Code Book.

A TO BE COMPLETED BY THE MINE	
1	Mine's reportable accident number: (year/accident no)
2	Name of mine code
3	Main commodity: code
4	Technical manager: (owner) code
5	Mining operations: (yes/no) Underground..... Surface..... Opencast/Quarry..... Sea/River
6	Maximum depth below surface: (eg. depth of shaft bottom, below collar) (metres).....
7	Type of accident: code
8	Non-casualty accident (no persons injured) reportable in terms of regulation 25.6: (regulation)
9	Number of persons KILLED:
10	Number of persons permanently and TOTALLY DISABLED for normal occupation:
11	Number of persons REPORTABLY INJURED (excluding persons totally disabled and injuries i.t.o. Reg. 25.1.1(e)):
12	Date of accident: (yy/mm/dd)
13	Weekday: (day of accident) (1= Sun 2= Mon 3= Tue 4= Wed 5= Thu 6= Fri 7= Sat) code
14	Time of accident: (24 hour clock) (hn : mm)
15	Place: (U = Underground S = Surface O = Opencast/Quarry (in the pit) C = Sea/River) code
16	Class of place: (e.g. stope face) Words code
17	Name of working place:
18	Depth below surface at which the accident occurred: (metres)
19	Section: (maximum sixteen characters)
20	Primary category: Words code
21	Classification: Words code
22	Description of accident: (Attach drawing if necessary)
23	Sequence of events which resulted in the accident:
	Mine Overseer/Foreman Name: Manager/Engineer Name: Manager Name: Signature: Date:/...../.....
B FOR USE BY THE DEPARTMENT OF MINERAL AND ENERGY AFFAIRS	
24	Accident number:.....
25	Date Reported: (Date on date stamp/first date of death) (yy/mm/dd)...../...../.....
	Accident registered by Chief Regional Mining Engineer Chief Regional Mining Engineer (Mining Equipment) (Mining) Date:/...../..... Date:/...../..... Date:/...../.....
26	Cause: (e.g. 02 = Failure to comply with standards 13 = Inadequate examination/inspection/test)
27	Inquiry: (A = No inquiry B = Inquiry only D = Inquiry + report C = Inquiry + report + typed)
28	Contravention: (I = in the opinion of the RME (no proof) M = Referred to Attorney General N = No)
29	Act/Regulation: (Sect 37(a) = A0:003 : A7 Reg. 7.1 = 07:001 : 00 Reg. 8.1.4 = 08:001 : 04)
30	RME: (Regional Mining Engineer) RME three initials code..... RME Name: Signature: Date:/...../.....

Form 11
Reportable accident in terms of regulations 25.1.1(a), (b), (c), (d), and (f): Details of deceased or injured person
(Minerals Act, 1991: Regulation 34.1)

[Form 11 added by GN R1556 of 20 August 1993]

GENERAL:

1. Complete one form for each person killed, permanently disabled or reportably injured.
2. Attach this form to form 10-REPORTABLE ACCIDENT IN TERMS OF REGULATION 25.1.1(a), (b), (c), (d) and (f) AND 25.6(a), (b), (c), (d), and (e).
3. Codes to be used on this form are specified in the Reportable Accidents Code Book.

ACCIDENT NUMBER:.....

A TO BE COMPLETED BY THE MINE	
1	Mine's reportable accident number: <i>(key field, not to left blank)</i> <i>(years/accident no)</i>
2	Mine's Rand Mutual Assurance claim number:
3	Name of Mine: code
4	Date of accident: <i>(yy/mm/dd)</i>
B DETAILS OF CASUALTY (PERSON): see form 10 for details of the ACCIDENT	
5	Surname:
6	Full first name:
7	Identity or passport number: <i>(this is required data and may not be left blank)</i>
8	Identity number:
9	Complete 1 of these 2 fields: <i>(a) P.F. number; or</i> <i>(b) Company number</i>
10	Date of birth: <i>(yy/mm/dd)</i>
11	Age:..... <i>(years)</i>
12	Province of country or origin: <i>Words</i> code
13	Statistical code: <i>(B, W, C, A)</i> code
14	Male or female: <i>(M = Male F = Female)</i> code
15	Present occupation: <i>(at time of accident) Words</i> code
16	Experience: <i>(length of service in present occupation)</i> <i>(years : months)</i>
17	Activity: <i>(e.g. injured while DRILLING) Words</i> code
18	Nature of injury: <i>Words</i> code
19	Bodypart injured: <i>Words</i> code
20	Reportability: <i>(I = Reportably injured (Reg. 25.1) F = Fatal T = Totally disabled)</i> code
21	If deceased, date of death: <i>(yy/mm/dd)</i>

ALLOCATED DAYS LOST:.....

Form 12
Reportable accident in terms of regulation 25.1.1(e)
(Minerals Act, 1991: Regulation 34.1)
 [Form 12 added by GN R1556 of 20 August 1993.]

Accidents reported in the calendar month:

Name of Mine:

Codes to be used on this form are specified in the Reportable Accidents Code Book.

Date of Accident	Week day	Date returned	Days absent	Class of place	Accident Classification	Surname	First Name & Initials	ID No	Industry No	Activity	Nature of Injury	Body Part

Form 13
ROCKBURSTS AND FALL OF GROUND ACCIDENTS
(Minerals Act, 1991: Regulation 34.1)
 [Form 13 added by GN R1556 of 20 August 1993.]

INSTRUCTIONS:

- 1 This form must be completed by the Mine for each rockburst or fall of ground related fatal accident.
- 2 Coding only

A GENERAL	
1	Name of mine: <input style="width: 150px; height: 20px;" type="text"/>
2	Date of accident (YY/MM/DD): <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
3	Regional accident number: <input style="width: 150px; height: 20px;" type="text"/>
4	Activity being performed at time of accident: <input style="width: 150px; height: 20px;" type="text"/>
5	Cause of the accident: <input style="width: 150px; height: 20px;" type="text"/>
6	Depth below surface: <input style="width: 150px; height: 20px;" type="text"/>
7	Mining method (Longwall, scattered, etc.): <input style="width: 150px; height: 20px;" type="text"/>
B DETAILS OF THE ACCIDENT— I LOCATION	
8	Description of working place (Shaft, tunnel, stope, remnant, etc.): <input style="width: 150px; height: 20px;" type="text"/>
9	Distance from face (if relevant): <input style="width: 150px; height: 20px;" type="text"/>
10	Distance from panel bottom strike gully (if relevant): <input style="width: 150px; height: 20px;" type="text"/>
10.1	Dimensions of stope: Strike span m Dip span m Stoping width m <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
10.2	Dimensions of other excavations: Height m Width m Length m <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
II SITE DESCRIPTION	
11	Quality of excavation (Observed overbreak and damage to hanging wall and footwall and remarks about marketing, drilling, charging): <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
12	Support of opening:
12.1	Temporary support (Type, size, spacing, no. of rows, distance from face):
(i)	According to the code of practice: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
(ii)	After accident observed: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
12.2	Permanent support (Type, size, spacing, distance from face): <input style="width: 150px; height: 20px;" type="text"/>
(i)	According to the code of practice: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
(ii)	After accident observed: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
12.3	Regional support (Type, size, spacing): <input style="width: 150px; height: 20px;" type="text"/>
(i)	According to the code of practice: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
(ii)	After accident observed from plans: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
(iii)	Other comments (e.g. average pillar stress, percentage of backfill, etc.): <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>
13	Comments on the affectiveness of support and its applicability: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>

14 Information about instrumentation near place of accident:

14.1 Instrumentation near the place of accident (If applicable) (Convergence meters, extensometers, inclinometers, loadcells, seismic station):.....

14.2 Did instrument serve as warning signal in hindsight? (Comments):.....

15 Geological details:

15.1 Reef being mined (If applicable):.....

15.2 Immediate H/W (Rock type, U.C.S. strenght):.....

15.3 Immediate F/W (Rock type, U.C.S. strenght):.....

15.4 Reef/ore (Rock type, U.C.S. strenght):.....

15.5 Relevant geological structure (Dykes, faults, bedding planes, jointing and their intensity, dip angle, infilling):
.....

15.6 Shortest distance between scene of accident and geological structure:.....

15.7 Field stress state (Measured or estimated):.....

15.8 Induced fractures:.....

16 Fall of ground description:

16.1 Dimensions of the fall: Heightm Widthm Lengthm

16.2 Boundaries of the fall (e.g. joints, faults, bedding planes, induced fractures):

17 Rockburst (Defined as a seismic event causing damage to an underground opening):

17.1 Total size of area affected (in square meters):

17.2 Estimated maximum closure:

17.3 Extent of damage (Area of damage to H/W, F/W and sidewalls in square meters, and no. of support units damaged) :

17.4 Suspected bursting mechanism (Pillar burst, dyke burst, crush burst, fault slip, shaking):.....

17.5 Suspected bursting mechanism based on (Energy level, full wave from analysis, observation):

17.6 Details of the seismic event. (See section C.) (If information is not available leave the space unfilled).

17.7 Seismic history of the area. (See section D.) (If information is not available leave the space unfilled).

17.8 Distance between hypocentre and rockburst damage:

18 The general mine layout in the area and whether it could have contributed to the accident (e.g.) leads, lags, face shape, E.R.R.) :.....

C SEISMIC EVENT DETAILS			
19	Seismic event reference no.:	20	Hypocentre: Xm Ym Zm
21	Location error:.....m	22	Local magnitude:
23	Time (H:M):.....	24	Seismic moment:.....Nm
25	Energy radiated: P-wave.....J		S-waveJ
26	Source radius (Brune thetheyry):.....m	27	Corner frequency:..... Hz
28	Static stress drop:.....MPa	29	Dynamic stress drop:.....MPa
30	Calculated/measured ground motion:		
30.1	Peak acceleration (g = 9.81m/sec ²):.....g	30.2	Peak velocity:cm/sec
30.3	Displacement : cm	30.4	Duration: sec

<p>31 Seismic moment release:</p> <p>31.1 Per 1m of face advance (Nm/m) or 31.2 Per 1t of rock output and within 300m radius of scene of the accident</p>	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <th colspan="3">Before accident</th> </tr> <tr> <th style="width: 33%;">1 Week</th> <th style="width: 33%;">1 Month</th> <th style="width: 33%;">Average</th> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	Before accident			1 Week	1 Month	Average						
Before accident													
1 Week	1 Month	Average											

D SEISMIC HISTORY OF THE AREA

	Magnitude				
32 Within 300m radius of scene of the accident.	< 0	0-1	1-2	> 2	Total
No. of seismic events					
Energy released: P-wave J					
1 Day S-wave J					
before					
accident Seismic moment release Nm					
Static stress drop MPa					
Max. energy index (E-obs/E-expec)					
No. of seismic events					
Energy released: P-wave J					
1 Week S-wave J					
before					
accident Seismic moment release Nm					
Static stress drop MPa					
Max. energy index (E-obs/E-expec)					
No. of seismic events					
Energy released: P-wave J					
1 Week S-wave J					
before					
accident Seismic moment release Nm					
Static stress drop MPa					
Max. energy index (E-obs/E-expec)					

<p>33 B-value (Within 300m radius of scene of accident)</p>	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <th colspan="3">Before accident</th> </tr> <tr> <th style="width: 33%;">1 Week</th> <th style="width: 33%;">1 Month</th> <th style="width: 33%;">Average for last 6 months</th> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	Before accident			1 Week	1 Month	Average for last 6 months						
Before accident													
1 Week	1 Month	Average for last 6 months											

E. COMPLETED BY

Name:..... Signatire:..... Date:.....

Designation:..... Manager's signature:.....