

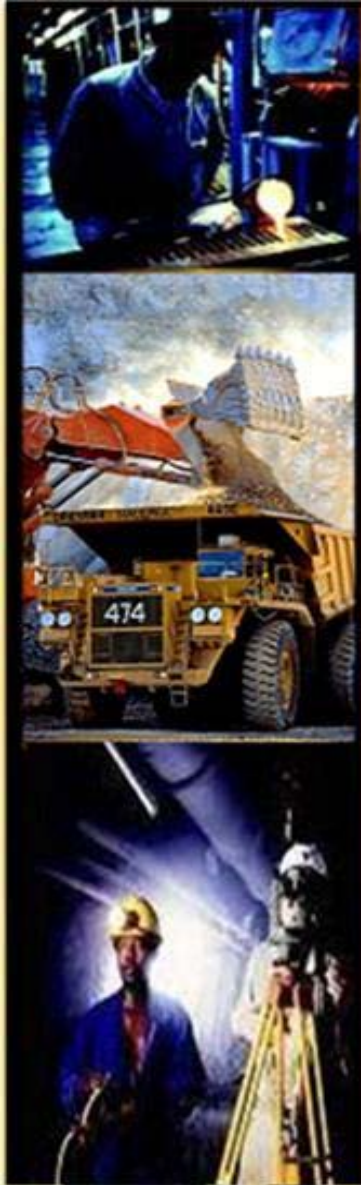


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PRESENTATION TO A M R E

APPOINTMENT OF ENGINEERS



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MINERALS ACT REGULATION 2.13.1

At any mine where;

- Power exceeds 2,5MW or
- Winding of persons takes place,

All machinery shall be under the charge of **an (one)** engineer, appointed by the manager.



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REG 2.13.3.1

As many subordinate engineers as desired or considered necessary may be appointed to assist the 2.13.1 engineer.



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REG 2.13.3.2, DIVISIONAL ENGINEERS

Reg. 2.13.3.2 allows for intermediate engineers to be appointed;
They report to engineering manager;
They control subordinate engineers appointed under Reg. 2.13.3.1.



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Typical organisational structure for engineers

**Engineering
Manager**

2.13.1

**Divisional
Engineer**

2.13.3.2

2.13.3.2

**Subordinate
Engineer**

2.13.3.1

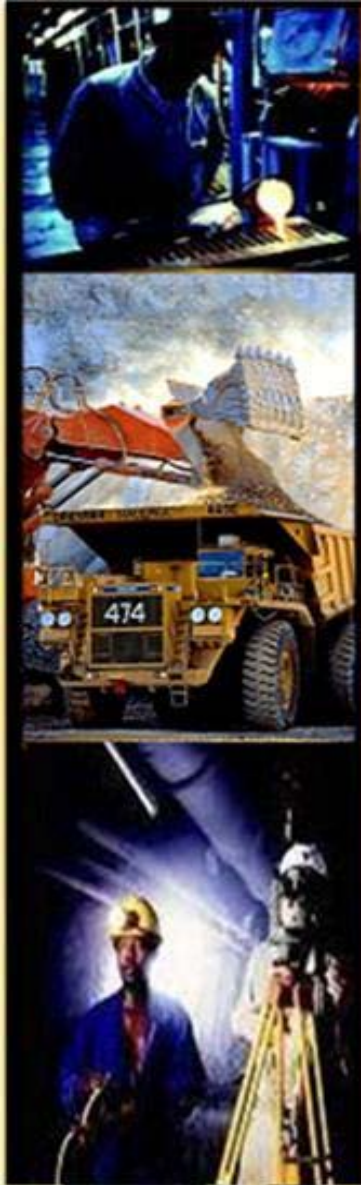
2.13.3.1

2.13.3.1



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- # Manager appoints engineers
- Many mines have one or more managers under Sect. 3(1)(a) at each shaft.
 - Currently each manager must appoint R/E + relevant Div. Eng and Sub. Eng.
 - Unless exemption has been given to appoint more than one R/E, the R/E could be appointed under Sect. 3(1)(a) and then he can apply to appoint self as R/E.



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2nd Typical organisational structure for engineers

**Manager,
Engineering**

**Sect. 3(1)(a) +
Reg.2.13.1**

**Divisional
Engineer**

2.13.3.2

2.13.3.2

**Subordinate
Engineer**

2.13.3.1

2.13.3.1

2.13.3.1



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- Gets rid of danger associated with more than one R/E, in that grey areas may exist.
- The manager engineering would then appoint all divisional and subordinate engineers.
- The divisional engineers would then report to the relevant mine manager functionally and to the manager engineering on a statutory basis.



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REG 2.13.4.1

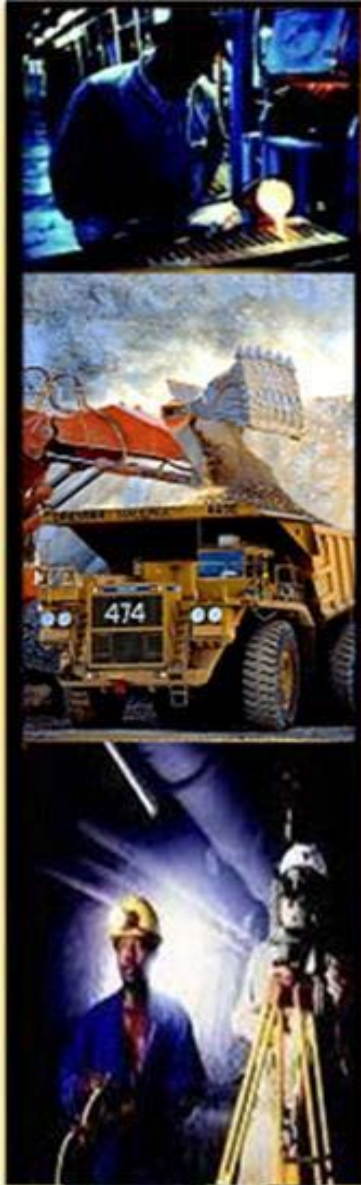
ENGINEER'S FUNCTION

- Safe installation, operation, running & maintenance of machinery;
- Safe erection & maintenance of buildings, structures & tanks, including all dams and slimes dams;



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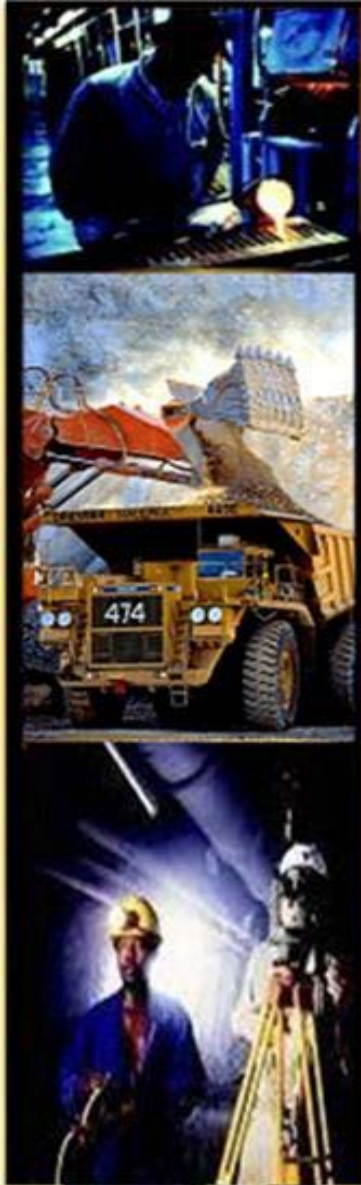


- Ensure that safety appliances, mechanisms, guards in good condition;
- Ensure that provisions of regulations relating to machinery are complied with;
- Ensure that apparatus or machinery which constitutes a danger to persons is stopped.
- NOTE: Engineer not relieved of any responsibility concerning 2.13.12(a)+(b) appointment of M/O. This only makes M/O co-responsible.



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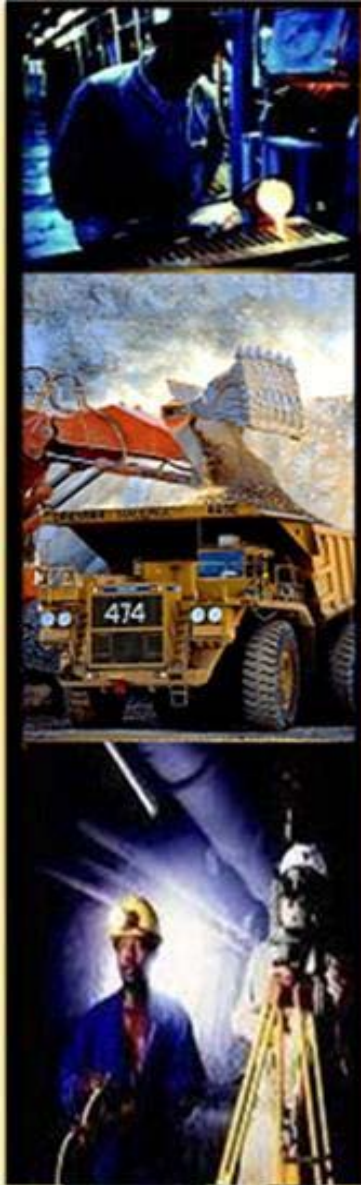


- Sect. 7(4) of Act empowers manager to appoint any person to perform any function of the manager, **but-**
- Reg. 2.13.10 prohibits the manager from appointing self as engineer, implying that manager may also not appoint engineer in terms of Sect 7(4),
- And Reg. 2.13.4.2 states that the appointment of engineers shall not relieve the manager of any personal responsibility.



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- Engineer responsible for the following:
- Reg. 2.10.2, not allow incompetent subordinates to do dangerous work or work affecting the safety of persons;
- Sect. 9(1)+(2), ensure that relevant COP's are in place and complied with;
- Sect. 10, ensure that all subordinates are trained in safe performance of work;
- Sect. 11, ensure that HIRA is done;
- Sect. 6(2), ensure that all engineering staff issued with PPE.



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OTHER ACTS

There are a number of Acts regulating mines, e.g. Water, Environmental, etc.

- These should be the responsibility of the occupational hygienist and environmental officer and not the engineer.
- These persons may report any contravention to the engineer and action would then be required.



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ENGINEER'S PRIMARY FUNCTION

- The engineer is primarily required to ensure compliance with Minerals Act Reg. 2.13.4.1 and other regulations contained in the MH&SA pertaining to machinery. This is every engineer's core function.



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In Closing

I trust that this has shed some light on the engineer's function and responsibilities, including the functions and responsibilities that should not be apportioned to any mine engineer.

Any Questions?



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