

**ABB****ABB Industrial Systems AB  
S-721 67 Västerås, Sweden****TELEFAX**Telephone:  
Telex:+46 (0)21 34 00 00  
40720 abbva s

Page 1

Bernt Ling

Mining Department  
Dept. BMBTelephone direct: +46 21 340334  
Telefax direct: +46 21 185890  
Telefax alternative:  
Our ref.:Date: 96-02-20  
Copies sent to:To: **AMINSA  
Mr. Fritz F. Prugger**

003561

Telefax: 00934 1 890 6519

Your ref.:

Number of pages (incl. this page):2  
Please send copies to:**Subject:  
Kiruna Electric Truck System, Dy Project**

Dear Mr. Prugger,

Thank you for your Fax 96-02-13. I have sent copies of requested articles from Mining Mag. And CIM. Your questions regarding capital expenditures and layout for LHD loading are not possible for me to answer in precise terms. The capital costs have to be calculated in some kind of haulage study. I estimate that you need only one K635E and an accumulation of trolley line length. The running cost is a function how you can utilize your equipment and personel. Enclosed sketch explains how it is possible to load the truck from a LHD in a ramp during driving and later use that place as a meeting/passing bay. The truck comes down, leave automatically the trolley line and reverses into the " passing bay ". It then runs out to the main ramp and connect to the trolley automatically. Now the LHD can load the truck over the side. When it is full it runs direct on trolley up to the dump and then back again.

It is not practical to back the truck up as it is an articulated truck.

We look forward to see you, hopefully in Sweden, and then discuss the project more in detail and take you to Zinkgruvan to look at the trucks and also talk to the users.

Best Regards

*Bernt Ling*  
Bernt Ling