

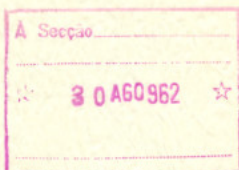


GEONOR

FORSKNINGSVEIEN 1, OSLO - BLINDERN, TELEPHONE 695880 - TELEGRAM ADDRESS: GEONOR OSLO

Oslo, 21st August, 1962

Instituto de Pesquisas Tecnologicas
Praçacel Fernando Prestes, 110
Caixa Postal 7141
Sao Paulo
Brasil



Dear Sirs,

We have received your letter of the 27th ultimo and confirm also with thanks that we through our bank connection have received advice that the validity of the letter of credit has been extended until September 22nd, 1962.

We regret, however, having to advise that we will probably not be able to meet this time of delivery, at least not fully. We refer in this connection also to our letter of the 25th ultimo which crossed yours of the 27th in which we queried what type of equipment you want for measuring permeability of compacted clays.

Furthermore, we have to confess that not until very lately has it occurred to us that you may have wanted to order a somewhat special equipment and not the standard equipment which we usually supply for triaxial tests. We have today separately sent you as printed matter a copy of the report on triaxial tests performed on four samples of red clay from the Chavantes Dam in Brasil. On appendix 7 you will see the modified equipment which was used for these tests. In front of this appendix we have also placed an extra sheet, fig. 1, showing our standard triaxial unit.

All the correspondence we have hitherto carried out with you has been concerning the standard equipment which we will be able to supply by the 20th September 1962, but in view of the fact that you probably know all the tests carried out by Norwegian Geotechnical Institute, we feel there may be a possibility that it has slipped your attention that a special equipment has been used.

Will you therefore please clarify this point. In case you want the special equipment, we shall have to reconsider the prices which may become lower or higher, we do not know yet, because we have never produced for sale the special equipment.

The main difficulty with the special equipment will of course be that proper drawings have to be made and the special items in question have to be manufactured. In that case it will probably not be possible for us to deliver by the 22nd of September.

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Other items which we at the moment know that we will not be able to deliver in time are the special high-air-entry filters that you want as an extra and the anisotropic loading gear which our subsupplier will not promise to deliver until early October.

We will of course be willing to effect part deliveries if this will suit you.

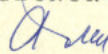
Reverting to the question of the special equipment we would mention that the items 9 and 10 on appendix 7 are the special items and you will see that these two items have replaced one triaxial cell, one constant pressure cell, and one manometer etc. Furthermore the normal cell pressure which we use is 6 kgs/cm² as maximum load on the ~~entry~~, while they used 12 kg/cm². This was done with standard triaxial cells but the manometers were changed so that 0,25 kg/cm² could be read off instead of the usual 0-12 kg/cm². It is rather risky to use 12 kg/cm² but it is usually ok although NGI has had some breakdowns in such connections due to the increased pressure.

We are proceeding with your order on the assumption that standard equipment is to be supplied and on the assumption that we may be permitted to deliver the items which we do not have available in time after the validity of the letter of credit. Will you please advise us whether we should take full advantage of the letter of credit so that the items which have to be shipped afterwards will be sent you without any extra charge or whether you would like us only to use the letter of credit in accordance with the items supplied before it expires. In the latter case, you would probably have to arrange for a new letter of credit for the remaining items.

We look forward to receiving your comments, and apologize for complicating this matter still further, but we hope you will appreciate that we are doing it to give you as good a service as possible. We would dislike very much to supply a standard equipment if you had intended to order a special equipment.

Yours truly,

for GEONOR A/S


Adeler Treu

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