

c.c. E/F. Manager  
Development Engr.  
A/F. Manager (2)  
Mr. Whellams (2)  
Mr. Henry.

20th December, 1961.

Letter No. M.155.

Mr. G. Foster,  
Mission Australienne,  
S.N.E.C.M.A.,  
70 Bd. Kellermann,  
PARIS 13eme,  
FRANCE.

Dear Sir:

Large Heat Treatment Furnace.

Following Mr. Bellward's return, a discussion has been held regarding the above furnace and the following decisions have been made:-

- (1) A fixed elevated furnace will be used.
- (2) The hearth will be elevated by a single hydraulic ram as in the Ripoche furnace.
- (3) The whole furnace will be designed here.
- (4) All brickwork will be procured by us either from local sources or in the case of the element support bricks direct from Kanthal.
- (5) Elements will be obtained from Kanthal.
- (6) The ram will be purchased from Ripoche.  
A layout drawing is being prepared, and this will indicate the height of lift from which Ripoche can decide the ram design.
- (7) It would be preferable to obtain a locally made pump in order to assure spares supply.

We request advice as to whether or not the

ram is of the double acting type, and also the fast and slow speeds employed both up and down.

The necessary technical data will be forwarded to you as soon as possible so that you can obtain a proposal for the ram from Ripoché.

It is proposed to make the furnace suitable for both high and low temperature operation and provision will be made for a roll out main high temperature hearth so that a muffle can be used if necessary. A second hearth with fan air circulation will be provided for low temperature work.

Yours faithfully,



H. H. KNIGHT.  
MANAGER.

HHK:C