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(Eastway)

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IWP/2/56

INFUSE INSTALLATION

Working Party Report for April to June 1956

1. DELIVERY

G.C.H.Q.'s X/3402/3060 of 16th April, 1956 gives the following provisional dates of despatch of major items from G.C.H.Q. :-

Westat Power Rectifiers	Sept 1956
Racks for above	Oct 1956
Cabinets	Oct/Dec 1956
Chassis	Jan/Mar 1957
Drum	Mar 1957

Dr. Morgan's signal to AD 030202z/6/56 states that Dr. Glass is shortly forwarding a report which will notify changes (if any) to these dates.

2. INSTALLATION

G.C.H.Q. continues to be extremely helpful in providing detailed information on installation. Dr. Glass estimates that approximately 2,000 man hours (50 man weeks) of wiring effort will have to be provided for work on the site. It should be made clear that G.C.H.Q. will have carried out all the work which it is possible to do before setting the machine up in its final position. (This will have saved D.S.B. an additional 2,000 man-hours).

G.C.H.Q. has advised that all the necessary cables for installation will be supplied.

3. WORKS

On 2nd May a conference was held at D.S.B. between representatives of Department of Works, D.S.B. and Supply to draw up tentative plans in order to arrive at an early estimate of costs.

Department of Works subsequently quoted as follows:

Structural Alteration (including floor strengthening and thermal insulation and internal electrical work)	£4,300
Ducting etc. for air-conditioning plant	700
S.E.C. power supply alterations	1,500
Air-conditioning unit	6,500
	<u>£13,000</u>

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2.

It must be emphasised that these are preliminary figures and are subject to change when the Department of Works submits its detailed estimates.

It is intended that all works except the air-conditioning plant will be completed during the financial year starting 1st July 1956, and that the air-conditioning plant will be supplied early in the following financial year.

4. ACCOMMODATION

It was and is considered desirable to have the machine in N Block and to have the staff associated with it in the immediate vicinity of the machine. The provision of space at D.S.B. presents difficulties, but it was possible to provide five 22' x 12' bays (Rooms 8 and 10, N Block) for this purpose. The preliminary allocation of this space provided 2 bays for the machine and 3 bays for 2 offices, a workshop, store and bench for tape preparation as well as an area for ROMULUS and ONGA. The figures supplied by Department of Works were based on these proposals.

On receipt of this plan at G.C.H.Q. BRUCE and EASTWAY have communicated separately making it clear that they do not feel sufficient room has been allocated for the machine. By nature INFUSE requires generous access space and this was, to some extent, overlooked in preparing the original plan. The working party has reconsidered the arrangements and now advises that 3 bays should be allotted to the machine. D.S.B. is considering how the extra space can be provided.

5. REFRIGERATION

Tentative specifications were prepared and discussed with Department of Works and (independently) with the Carrier Air Conditioning Co. Both these authorities suggested the desirability of air-conditioning the room as well as the equipment, and it was eventually shown that dangers of condensation inside the equipment in hot moist weather made this course almost essential. In answer to an enquiry through [redacted] NSA strongly supported the case for air-conditioning the room.

G.C.H.Q. is installing a system of another type but it should be pointed out that the contrasts in the climatic conditions require different approaches to the problem.

30th June, 1956.

(Signed) D.J. BRADLEY

E.T. ROBINSON

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