

*Mr Bowles, Letter sent to Mr Lenth  
and Mr Young on 26/8/63*  
Telephone: Reading 55811. Ext. 5355 *Jan 4*

MEMORANDUM

2052  
Received on 26<sup>th</sup> August.  
19th August, 1963

From ENGINEERING GROUP

SOUTHERN WORKS ORGANIZATION,  
NEW CHURCH ROAD, TADLEY,  
BASINGSTOKE, HAMPSHIRE.

To: Mr. P. Bowles, *Jan 4*  
Building R1,  
NIRNS.

Our Ref. KHC/MJT

Your Ref.

SUBJECT N.I.R.N.S. Suspended Work.

1. Attached is a schedule giving the design position of suspended works and on this is based the following recommendations:-

2. Jobs which you may require to proceed next year and which involve bulk excavation should be commenced during the late spring (May to June) and if this is to be achieved then design work should be completed by the end of March. Under this heading is included the following jobs:-

- 6685 - New Entrance to Magnet Room
- 6695 - Chilton Pond Enlargement
- 6701 - Link Road to R5 and R6
- 6702 - Injector Room Entrance
- 6703 - Low Background Counting Cellar
- 6710 - Hydrogen Target Building

Job No. 6710 is only in early sketch plan stage but involves considerable mounding and it might therefore be advantageous to consider it in conjunction with other excavation in the vicinity. With the exception of this job it will be unnecessary to start design work for the remaining items before January, 1964., but authority would be required to feed the work into the D.O. during the first quarter of 1964 to assure completion of drawings etc. by end of March.

3. The following jobs have reached a stage where the design work should be completed while the staff are still conversant with the designs:-

- 6684 - Helium Bubble Chamber Plant Room
- 6692 - Heavy Plant Store
- 6705 - Vapour Dump Receiver
- 6709 - Ventilation to Parasitic Area
- 6698 - (minor works) Converter Hall Ventilation.

4. Jobs Nos. 6698 (Gatekeepers Lodge) and 6707 (Seeding Nimrod Area) do not require further design work.

5. Design work on the following jobs might be deferred until after March, 1964.

- 6671 - Increased electricity supplies
- ~~6704 6674 - Magnet Room Survey~~ *Radiation building*
- 6708 - Proposed Extension to Converter Hall (R4)
- 6698 - Roads and fencing South of R33.

6. Excluded from the above groups is 6679 - R33 Electronics Lab and Office Block In view of the waste of effort which has taken place I feel it would be quite wrong to ask for fresh package schemes and we are therefore faced with one of two alternatives, namely, negotiation with the lowest tenderer or inviting tenders on firm bills for pre-designed scheme.

/The

MEMORANDUM

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From ENGINEERING GROUP

SOUTHERN WORKS ORGANIZATION,  
NEW CHURCH ROAD, TADLEY,  
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Our Ref. ....

.....19  
To: .....  
.....  
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Your Ref. ....

SUBJECT .....

The decision which would have to be taken is when this building will be required but if construction work is to start during the next financial year, from an economic point it should commence approximately April or May. If this is to be achieved and the building is to be completely re-designed then design work should be re-commenced immediately so that sketch plans can be agreed, working drawings commenced, Bills of Quantities prepared and estimates invited. In fact, the time scale is short for this type of contract.

These comments cover the whole of the deferred work, I would only add that I have assumed that Job No. 6692 - Heavy Plant Store - will proceed as originally intended, as a package contract. It will be necessary for us to know that this has Treasury approval, in principle, before going to tender.

*K. H. Choate*

K. H. Choate,  
Assistant Chief Architect.

c.c. Col. Wilson,  
Mr. Flock,  
Mr. Dixon,  
Mr. Byrne,  
Mr. Harbert,  
Mr. Hancock,  
Mr. Noble,  
Mr. de Metz,  
Dr. Valentine (6)  
file.

DESIGN POSITION N.I.E.N.S. DEFERRED WORKS

| JOB NO. | M.I.R.N.S. SANCTION NO. | DESCRIPTION                                 | COST EXCLUDING FEES | POSITION IN DESIGN                                                                                                                         | REMARKS                                                                                         |
|---------|-------------------------|---------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| SS/6671 |                         | Site Power Distribution                     | 14,500              | Design work almost complete - two to three weeks would complete all details.                                                               | Tenders could be invited one month from release date                                            |
| SS/6679 |                         | R33 Electronics Lab. and Offices            | 293,000             | See special note, para. 2 of covering letter                                                                                               |                                                                                                 |
| SS/6684 | 716                     | Helium Bubble Chamber Plant Room            | 8,500               | Architects, Structural & Civil Eng. drawings 2 weeks to complete. One week work would clear M/E Engineers.                                 | Contract negotiations completed but not accepted. Steel cancelled.                              |
| SS/6685 |                         | New Entrance to Magnet Room                 | 10,500              | 9 weeks work for one Structural Eng. and one week for M/E Engineers.                                                                       | If required next year design work start in January.                                             |
| SS/6692 |                         | Heavy Plant Store                           | 56,000              | Arch. and Struct. Eng. complete. Civil & M/E Eng. - one weeks work. Specification etc. 4 weeks.                                            | Times assume Package Contract.                                                                  |
| SS/6695 |                         | Chilton Pond Enlargement                    | 10,000              | Civil Design only. 3 weeks to clear all information. Recommend no action until Feb. 1964.                                                  | Re-consider at Feb. meeting for start in May is required.                                       |
| SS/6698 |                         | Gatekeepers Lodge                           | 1,250               | All design work complete                                                                                                                   | Recommend this job should be completed                                                          |
| SS/6701 | 761                     | Link Road R5 to R6. )<br>New Lavatory Block | 10,000              | Drawings will have to be revised to omit Tunnel 8 access. Two weeks work for Civil Engrs. including specification. Lavatory inf. complete. | Recommend lump sum tender invited in Feb. 1964. Lavatory Block to be re-let on release of work. |
| SS/6702 | 714                     | Injector Room Tunnel Entrance               | 6,000               | Drsg. for tender action could be completed in 3 weeks.                                                                                     | No further action until January 1964. Work start May/June.                                      |
| SS/6703 | 715                     | Low Background Counting Cellar              | 9,700               | Architect, Civil and Structural Engineer Drsg. complete. M/E Engineer 1 weeks work to complete                                             | Approx. bills were with tenders but withdrawn. Could be revised immediately.                    |
| SS/6704 |                         | Irradiation Building                        | 3,500               | Arch. 1 week to complete and M/E Engineer 1 week to complete drgs.                                                                         | Lump sum contract on specification & Drgs.                                                      |
| SS/6705 | 716                     | Vapour Dump Receiver                        | 2,200               | Arch. 1 week, M/E Engineers 3 weeks. to complete all drawings.                                                                             | Contract was placed with Chivers but withdrawn.                                                 |
| SS/6707 | 711                     | Seeding MINMOD Area                         | 3,000               | No design work necessary                                                                                                                   | Agreed proceed with work, not to cost more than £1,500.                                         |
| SS/6768 |                         | Proposed Ext. to Converter Hall             | 5,000               | Sketch plan stage to be revised when released                                                                                              | No action until released.                                                                       |
| SS/6709 |                         | Ventilation of Parasitic Area               |                     | Struct. Eng. approx. one weeks work M/E Eng. " two weeks work                                                                              | Design work should be completed.                                                                |
| SS6710  |                         | Hydrogen Target Buildings                   |                     | Only in sketch plan stage                                                                                                                  | To be considered when released.                                                                 |
| SS/6698 |                         | Road and Fencing South of R33               |                     | Minor Works Item - 2 weeks Civil Eng. D/O work.                                                                                            | Await decision re. R33.                                                                         |
| SS/6698 |                         | Ventilation to Converter Hall               |                     | 2/3 weeks work for M/E Engineers only                                                                                                      | Could be cleared this year.                                                                     |