

7 GeV PROTON SYNCHROTRON

Notes of a meeting held in Mr. Bowles office in Building 412 on Tuesday, 19th August, 1958.

Present:-
 Mr. P. Bowles
 Mr. T. Barlow
 Mr. J.A. Goode
 Mr. L.B. Mullett
 Mr. J.A. Nott
 Mr. G.E. Simmonds
 Mr. J. Sawyer
 Mr. G.N. Venn
 Mr. F.M. Telling

1. The meeting considered the draft Invitation to Tender document for the provision of general mechanical engineering daywork labour and supervision during the construction and commissioning period.
2. Mr. Bowles welcomed Mr. Nott and Mr. Barlow of the Industrial Group to this discussion and briefly outlined the requirements for this type of contract. Previous discussions had taken place and the tabled document was now in its final draft form. It was envisaged that the installation of plant and services would come under four main headings:-
 - (i) All domestic services associated with the buildings and the main cooling circuits will be installed by contracts placed by Messrs. Merz and McLellan.
 - (ii) Certain specialist contractors will manufacture and install their own plant.
 - (iii) Term contractors for general installation work not covered under (i) and (ii).
 - (iv) Certain specialist work by own direct labour.

The Project Group will define each case on its merits during the design stage and decide whether a particular piece of plant will be installed by specialist labour or by the term contractors. The views of the Resident Engineer will be welcomed when making this choice. With regard to the supply of materials to the term contractor the general principle will be to get the majority requisitioned from the design stage and manufactured away from the site. Work on site will then be mainly installation, with the term contractor supplying only stock items of a minor nature.

In the discussion which followed it was agreed that the daywork contract tabled was the most suitable for the installation work envisaged. The document was then considered in detail.

3. Accommodation for Contractor's Staff

During the peak period it was estimated that approximately 100 M. & E. staff will require accommodation. It was agreed that the document should put the onus on the contractor for providing the necessary lodging accommodation for his employees. If a camp is to be provided it must be of a satisfactory standard and acceptable to the Superintending Officer (S.O.). Mr. Bowles agreed to have further discussions with the New Works Division to see what facilities are available at Chivers Camp.

4. Canteens

Canteen facilities are available in Building 150 which is situated outside of the security fence. It was considered more satisfactory, however, if Messrs. Chivers' canteen could be used, with the possibility of staggered hours to segregate the building and M. & E. trades. Mr. Bowles agreed to clear this item and asked Mr. Sawyer to provide him with a copy of the agreement between the Authority and Messrs. Chivers regarding the use of this canteen. Building 150 would then only be used if Messrs. Chivers' canteen proved inadequate.

5. Transport

It was agreed that contractor shall be responsible for providing all transport necessary for bringing his own staff to site. This is adequately covered in the document by clause 38 of the general conditions of contract.

6. Ancillary Buildings

The accommodation for the construction staff of the Industrial Group is being discussed with Mr. LeCren by Mr. Ashley.

The Contractor will provide buildings for his own use in areas to be defined. It was agreed that para. 2 on page 1 of the general conditions of contract should embrace a clause to show that the cost of such building be included in the daywork rates quoted.

7. Protective Clothing

It was agreed that the following clause should be added to para. 2 Page 1 of the general conditions of contract:-

"Where the S.O. specifies special protective clothing this will be provided by the Authority."

8. Working Hours

The following points were agreed:-

- (i) The contractor's time-sheets and claims for payment will be certified by the S.O. and passed to the Estimate and Sanctions Group for control of expenditure.
- (ii) The document will include three tables similar to that shown on page 2 of the schedule. These tables will show the rate per hour for a 44, 48 and 54 hour working week respectively.
- (iii) The contractor will work normal site hours plus such hours as are considered necessary by the S.O.

9. Materials

The Authority will normally provide all the materials deemed necessary. Any materials required from the Contractor will be at the request of the S.O. The contractor will submit all requests for payment to the S.O. who will certify and pass to the Estimate and Sanctions Group.

10. Scaffolding and Working Platforms

It was agreed that the final sentence of para 13, page 6 of the general conditions of contract should be amended to read:-

"The S.O. will arrange for the provision and erection of scaffolding and temporary working platforms required by the Contractor for the proper execution of the work ordered. The S.O. will be responsible for liaison with other users of common scaffolding and temporary working platforms to ensure completion of work ordered to the agreed programme."

11. Lifting Gear

It was agreed that the first sentence of para. 13, page 5 of the general conditions of contract should read:-

"The Authority will supply all plant incorporated in the project, special equipment and purpose designed lifting gear necessary for the execution of the work ordered. The Contractor will supply lifting gear up to a capacity of 2 tons. The Contractor is to supply all the normal tools of the trades utilised and small items of equipment including ladders, and will be deemed to have allowed in the rates quoted in his tender for the sharpening and wastage of all expendable tools provided by him."

Mr. Bowles asked for any additional plant to be based on schedules similar to those published by the Federation of Civil Engineering Contractors.

12. Services

It was agreed that the supply of electricity made available for the Contractor should be for lighting, portable hand tools and other appliances approved by the S.O. A new clause should be inserted on requirements for domestic use such as the heating of Contractor's buildings. These will be heated by either electricity or steam to the approval of the S.O.

13. Labour

The description of Bench Fitter/Machinist should be altered to Precision Fitter/Machinist to engine standards. Reference to this trade should also be made to the list of grades shown on page 2 of the general conditions of contract.

Crane-drivers will not be required, riggers or mates will be authorised to operate the pendant controlled cranes only.

14. Time-scale

The following time scale was agreed at a previous meeting:-

Tenders out by	1. 9.58
Receipt of tenders by	1.10.58
Notify successful contractor by	1.12.58
Contract labour on site by	1. 1.59

Graphs were tabled which showed that the estimated expenditure for the mechanical day-work contract is approximately £100,000. It was agreed that the Group would review the rate of spend in line with available information.

It was agreed that a critical review shall be made of the labour strength for the basic teams during the early part of the installation period before the bulk of the work starts.

It was noted that the Industrial Groups point of being able to terminate the contract after a specific period was adequately covered by para. 4, on page 3, of the general terms of contract which stated that the contract may be terminated by either party by three months notice.

Mr. Bowles asked Mr. Barlow and Mr. Nott to examine the draft document further if they wished and let him have any further comments as soon as possible.

F.M. Telling

Building 412.

21st August, 1958.

c.c. Dr. T.G. Pickavance
Mr. E.L. Ashley
Mr. A.G. Hewitt
Mr. K. Stuart