

7 GeV PROTON SYNCHROTRON
Engineering Staff Complement

1. INTRODUCTION

At a meeting of the Project Committee on Friday, 18th July, 1958 it was agreed that the Engineering Staff Complement should be reviewed after the 31st October.

In the preparation of this paper notice has been taken of the effort supplied by the Industrial Group associated with the machine construction. This effort does not in any way assist the design, research and development, maintenance work and proof testing of components; it being solely concerned with the construction of the machine.

2. PRESENT COMPLEMENT

The present complement for the Engineering Project Group is:-

	<u>Professional</u>	<u>Ancillary</u>	<u>Industrial</u>	<u>Total</u>
Project Engineer and Staff	1	2	-	3
Design Group	17	4	-	21
Estimate and Sanctions Group	3	1	-	4
Services Group	6	8	13	27
<u>Total</u>	<u>27</u>	<u>15</u>	<u>13</u>	<u>55</u>

3. PROPOSED COMPLEMENT TO 31st MARCH, 1959

3.1 Design Group. The present complement of 21 is considered adequate for the design work associated with the 7 GeV machine since a large volume of detailed design work is being undertaken by Design Contractors. The work on the Proton Linear Accelerator is excluded.

3.2 Estimate and Sanctions Group. The present complement is adequate but this section will require reviewing during the early part of the next financial year.

3.3 Services Group. The present professional and ancillary staffing of this Group is considered adequate but to accommodate additional effort on research and development work and proof testing it is considered necessary to increase the Industrial complement from 13 to 23 comprising 15 Skilled Mechanics and 8 semi and unskilled grades.

4. VALIDATION OF PROPOSED INCREASE

During the past few weeks the Preparation Area and the Assembly and Test Building have been handed over to the Project Group. Work is now progressing in these buildings on the following items:-

1. Sector Test Rigs
2. R.F. experimental development
3. Vacuum development
4. Various experimental test rigs
5. Testing of small components

Now that the facilities for the development and testing of prototypes is available it is anticipated that a greater volume of work in this direction will be forthcoming from both the Design and Scientific Groups. Due to the close day to day co-operation ^{required} ~~employed~~ on this type of work it is essential to employ direct labour.

The majority of the industrial grades will be employed in supporting the Scientific Staff in the research and development programme. A small number will also be engaged in routine domestic duties for the above buildings, together with a gradual build up of personnel for inspection and proof testing of the various components. This is part of a planned build up of staff ready for the ultimate operation, maintenance and new work programme when the machine is constructed.

The proposed Industrial complement only represents a small percentage of the total labour force on the Project which is mainly let out to Contract. Whilst every endeavour is being made to employ Contract labour it is felt that the requirements of the scientific experimental programme can only be met by the use of direct labour.

5. RECOMMENDATION

It is proposed that the Project Committee recommend to the Director of the Atomic Energy Research Establishment that the Engineering complement associated with the 7 GeV Project shall be increased from the present level of 55 to one of 65.

P. BOWLES

11th November, 1958.