

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

GENERAL PURPOSES COMMITTEE

ADDITIONAL OFFICE AND LABORATORY REQUIREMENTS AT

THE RUTHERFORD LABORATORY

Note by the Secretary

1. A review has been undertaken of office and laboratory requirements at the Rutherford Laboratory in order to determine what additional buildings are necessary.
2. Combined Office and Laboratory Accommodation

A study of the requirements of individual groups has established a clearly identifiable need, not previously taken into account, for a new building designed primarily to provide laboratory and office accommodation for about 60 staff and university visitors of the NIMROD and A.E.R.E. Electronics Groups.
3. Hitherto, the A.E.R.E. Electronics Group have been accommodated with the P.L.A. groups, occupying about 4,000 sq. ft. in the R.12 complex of buildings. This space is now required by the P.L.A. groups to replace 3,600 sq. ft. of temporary office accommodation and to deal with increased demands by university visitors for machine time.
4. It would be convenient to accommodate the A.E.R.E. Electronics Group with the NIMROD Electronics Group. Including university visitors, there will be some 60 people working in the proposed new building. Information from A.E.R.E. suggests that a reasonable provision for Electronics work (including laboratories, offices, conference rooms, libraries, equipment assembly areas) is 250 sq. ft. per person. On this basis a specially designed building of about 15,000 sq. ft. is required.
5. Additional light laboratories are also required and it is proposed that the ground floor - 3,500 sq. ft. - of the office block now being built (Building R.25) should be converted to light laboratories.

Office Accommodation

6. Paper NI/GP/61/9 of January, 1961 assessed the office accommodation requirement at 64,300 sq. ft. net (all figures in this paper are net, i.e. exclusive of corridors, staircases and toilets) to provide for:
 - (a) the then approved 1962/63 complement of 808;
 - (b) 35 staff of A.E.R.E. Electronics Group and Southern Works Organisation; and
 - (c) 85 university visitors.
7. As a result of that paper, a new office building of 10,000 sq. ft. was authorised to bring the total office space to 61,200 sq. ft. This figure was subsequently reduced to 59,200 sq. ft. by a decision to convert some offices in Building R.1 to light laboratories.
8. Since January, 1961 the 1962/63 approved complement has been increased to 930 and the target figure of 1,022 for final complement has been accepted. In the present review we have taken account of these increases and of additional requirements of which we have become aware.

9. The present position is that 810 staff, about 65 university visitors and 35 staff of A.E.R.E. Electronics Group and Southern Works Organisation are working at the Laboratory. The office accommodation provided includes 7,000 sq. ft. in temporary buildings and in temporary offices erected in what will ultimately be experimental areas (this is in addition to the 3,600 sq. ft. of temporary office accommodation mentioned in paragraph 3). This temporary accommodation, in addition to being sub-standard is overcrowded and at least 8,000 sq. ft. if the 10,000 sq. ft. office block now being built will be required to replace it. Thus we estimate that 2,000 sq. ft. of the new building will be available for future requirement.

10. In assessing future requirements, we have been guided more by specific requirements than by civil service modules and indeed we have, as a conscious policy, worked below civil service figures. On this basis, the following is our forecast of additional office requirements:-

(a)	for staff increase from 810 (present strength) to 1,022	sq. ft. 10,000
(b)	to permit the conversion of the ground floor of the new office building to light laboratories (see para. 5)	 3,500
(c)	for an increase in university visitors from 65 to 165	 5,000
(d)	for additional libraries and quiet rooms	 3,200
		21,700
	less 2,000 sq. ft. available in office block now being built	 2,000
		19,700 sq. ft.

11. If the proposal to build a new combined office and laboratory building primarily for Electronics is accepted, then approximately 3,500 sq. ft. of the 19,700 required will be included in that building leaving a requirement for a new building of 16,200 sq. ft.

12. It is not proposed to provide at once the full amount which this review indicates will be necessary, but it is recommended that a new office block of 12,000 sq. ft. should be built. If this were done, the total office space available will be about 70,000 sq. ft. Of this, approximately 10,000 sq. ft. will be used for communal purposes (e.g. conference rooms, cash office, stationery stores, post room) leaving 60,000 sq. ft. as offices. It is anticipated that when the maximum complement is reached and NIMROD is ready for experimental use by university visitors, some 750 people will require office accommodation. The present proposals therefore envisage an average allocation of approximately 80 sq. ft. per person.

Siting

12. It would be convenient and economical to site the proposed new buildings near the heavy laboratory and office block now being built. This should result in reduced charges due to the site having an access road and services.

Availability of Funds, Timing of Project

14. Provision has been made in the financial estimates for these two buildings. It is anticipated that construction will take one year and it is hoped that work can commence in January, 1963.

15. Approval in principle is sought for:

- (a) a new combined laboratory and office building of 15,000 sq. ft. designed primarily for Electronics; and
- (b) a general purposes office block of 12,000 sq. ft.

If approval in principle is given detailed schemes and estimates will be submitted later.

RUTHERFORD LABORATORY MANAGEMENT COMMITTEE

Comment on Paper NI/GP/62/26

Note by G. H. Stafford

I do not consider that para. 3 presents the situation correctly and it is not the same as Mr. Woodall's draft dated 23rd July, (section 5 as amended by myself) to which I previously agreed.

The reason for moving Kandiah is that he now requires more space than we can provide in R.12. Although we can use the space that he vacates it is not ideal for our purpose and I shall be putting the case forward shortly for a small additional building to link the various parts of R.12 when the temporary office accommodation is removed. This should be made clear at the G.P.C. meeting to ensure that my case is not prejudiced by what has been said in paper NI/GP/62/26 and I would like a note circulated to this effect.

10th September 1962

Copy to: Dr. T.G. Pickavance
Mr. L. B. Mullett
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