

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCEGENERAL PURPOSES COMMITTEERutherford Laboratory: Electronics and Office BuildingNote by the Secretary

1. In September, 1962, the Committee considered a detailed case for additional Laboratory and office requirements at the Rutherford Laboratory submitted in Paper NI/GP/62/26. They approved in principle a proposal to provide an electronics block of 15,000 square feet and an office block of 12,000 square feet, subject to the submission of firm estimates for approval later. The Committee also agreed that the possibility of accommodating in a new A.E.R.E. electronics building some or all of the A.E.R.E. Electronics Group serving the Rutherford Laboratory should be discussed further with Dr. Vick outside the meeting. This has now been done, but the proposed new A.E.R.E. building is not expected to be available for five years and in the mean time, accommodation in which the group could carry out their work for the Rutherford Laboratory efficiently cannot be found in the A.E.R.E., and the case for including them in additional accommodation at the Rutherford Laboratory remains unchanged.
2. Schemes for the composite building recommended in NI/GP/62/26 have been carefully considered in the Laboratory and it was decided that the "package deal" procedure should be followed. A number of firms were invited by the Southern Works Organisation to submit tenders on the basis of general layout and service drawings and a general specification, and the S.W.O. are at present studying the tenders received. They are not yet ready to make a firm recommendation for the award of a contract but have reported that they are satisfied that when their detailed investigation of the tenders is completed they will be able to recommend the award of a contract at a figure not exceeding their earlier project estimate of £193,000 plus £20,000 fees - total £213,000, made up as follows:-

	£
Building and Civil Work	121,000
Mechanical and Electrical Engineering	46,000
	<u>£167,000</u>
<u>Externals</u>	
Building and Civil Work including roads and car parks	18,000
Mechanical and Electrical	8,000
	<u>£26,000</u>
TOTAL	£193,000
Engineering Group Charges at 10% for package contract work	20,000
GRAND TOTAL	<u>£213,000</u>

3. The specification calls for a building of 37,300 sq. ft. total area inside the outer walls, and a usable area, excluding corridors, stairs and toilets, of 27,100 sq. ft. i.e. 72% of the total area. A cost excluding externals and fees of £167,000 as suggested above, would therefore be £4 10s. Od. per sq. ft. It is estimated that the cost of the different parts would be £4 6s. Od. per sq. ft. for the office block and £4 13s. 6d. per sq. ft. for the electronics block. The former figure may be compared with a cost of £4 10s. Od. per sq. ft. for the office block R.25 recently completed by package contract, and with the estimate of £4 7s. Od. per sq. ft. for the Atlas computer office block.
4. Since tenders were invited, a further review of requirements has led to the conclusion that the need for additional laboratory accommodation other than that provided in the proposed Electronics Block, will become most pressing during the next year and that to achieve the best balance of laboratories and offices the ground floor of the part of this proposed scheme which has hitherto been referred to as the office block, should be constructed as general purpose laboratories. This will add to the cost, it is estimated, by about £3,000 and will mean that some temporary office accommodation will have to be retained. The revised project estimate is therefore £216,000.
5. Expenditure would fall in 1963/4 and 1964/5. Provision for this project has been included in the estimates for 1963/4 and the forecast estimates for 1964/5.
6. The Committee is invited to agree that Treasury approval should be sought for the construction of a building to provide an Electronics Block of 15,000 sq. ft. and an office/laboratory block of 12,000 sq. ft. at a total cost, including fees, not exceeding £220,000.

Because the project is being dealt with by a package contract, there are no plans or detailed estimates available at this stage to submit to the Committee. It is suggested that the Committee may wish to authorise the Chairman at his discretion to approve these on behalf of the Committee when they are available.