

20 March, 1962

NI/GP/62/14.

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

GENERAL PURPOSES COMMITTEE

Extension to Building R.12

Note by J. B. Marsh

These notes are to cover certain points raised by the G.P.C. at their last meeting on 9.1.62.

1. The amount of fees still stands at £35,000 as quoted in paragraph 9 of paper NI/GP/61/35 of 3.6.61. The Southern Works Organisation have recently been asked if this sum is still correct; they confirm that they know of no reason why it should be changed.

2. During all stages of the work on the extensions to Building R.12 the Laboratory have impressed upon S.W.O. the importance of working within the Treasury grant. S.W.O. have had systematic checks made by their accountants and quantity surveyors. In combination with these financial checks the design has been kept under review to ensure that nothing superfluous or over-elaborate was included. This precaution has resulted in many economies, the majority of which are purely points of building technique and design. A fair summary of these economies is given in paper NI/GP/62/4 of 15.12.61.

Two points emerge from our endeavour to keep within the cost that prompted the paper to the G.P.C. of 15.12.61. These are,

- (i) The change of the Radio Chemistry wing to a three suite unit
- (ii) The removal of existing hutting at the rear of R.12, and the erection of a small new building.

Making the change from a four suite Radio Chemistry Laboratory to a three suite (saving £2,500) the only omission is five special fume cupboards, for radio-active work. All other building features and services are retained. The function of the room in which the fume cupboards would have been installed is now changed to a straightforward non-active chemistry laboratory. As economies were being looked for, it was felt that for some time, a three suite wing for active work would be adequate, with the fourth suite serving a good function as a chemistry laboratory.

The other main saving was £5,000 set aside for the removal of temporary hutting at the rear of R.12. On this item, when it was realised that we would probably exceed the Treasury vote, we preferred to economise rather than ask for more money. The omission of a small building principally for offices was preferable to cutting down on the urgent need of experimental and laboratory space.

Summing up we have not changed the function or size of the original specified buildings except for the above two items.

Since these questions were asked by the G.P.C. the architects have been asked once again the final price of this project. S.W.O. state that they feel they will not exceed the prices given previously in papers NI/GP/61/35 and NI/GP/62/4.

The price therefore, is made up thus:-

	£
Architect	154,000
Engineers	71,000
Furniture	8,500
Fees	35,000
Total as asked for in NI/GP/61/35	£268,500
Plus C.V.C. October rise in paper NI/GP/62/4	4,500
Total	£273,000

The total cost if economies had not been carried out would have been:

Fume cupboards	2,500
New hutting	5,000
Total	£280,500

3. The increase over the original estimate is due mainly to the difficulties involved in the project, for example:-

- (i) A Radio-chemistry laboratory involves a considerable amount of special plant and treatment of buildings, aimed towards safety of operation, to prevent radio-active contamination of personnel.
- (ii) Opening the site was difficult, involving the re-routing of services, and the laying of unusual services such as radio-active drains.
- (iii) The difficulties of integrating new buildings and services into those existing, without dislocating the normal working of the laboratory, prevented a straightforward run at the work.

To obtain the original estimate, a carefully detailed scheme was drawn up, the laboratory did not modify any details of this specification during the progress of the work.

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