

Director's Building Committee

BC(62)32.

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Minutes of the meeting held on Tuesday 8th May, 1962.

Present: Mr. T. B. Le Cren - Chairman
Mr. J. E. Bown
Mr. D. J. Crabb
Mr. G. W. Dixon
Mr. N. N. Ferguson
Mr. R. M. Fishenden
Dr. J. E. M. Johnston
Mr. D. C. Wall - Secretary

Also present: Dr. A. R. Anderson - for item 6
Mr. G. D. Clegg - W.E.G.
Mr. J. N. Hull - for item 7
Mr. J. K. Thornton - S.W.O.
Col. N. Wilson - S.W.O.
Mr. W. F. Wood - for item 2 (c)

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Mr. Hewitt to see notes.
Please return to Mr. Bowles

11/13 SF

1. Minutes of the meeting held on 10th April, 1962

The minutes of the last meeting were accepted.

2. Matters arising from the minutes

(a) Proposed New Plutonium Store (Min. 2 (b))

Mr. Ferguson reported that the first meeting had been held on the criticality alarm system; progress was being made but there was nothing to report at the moment.

(b) Extension to Bus Park at A.E.R.E. (Min. 2 (c))

An I.T.P. had been issued and work was proceeding on the term contract.

(c) Building 525 - Central Workshop and Reactor Equipment Storage Area (Min. 2 (d))

Mr. Wood presented a paper setting out the result of using a package deal for the above scheme, which gave a total cost of £49,750 (excluding fees).

Mr. Fishenden reported that he had examined the estimates for external services and furniture with the Building Sponsor and economies of approximately £5,000 had been achieved on the former item.

The Chairman reported that the Director had confirmed the following order of priority for major schemes, the new canteen, variable energy cyclotron, Rush Common House extension and then the central workshop.

The Committee recommended that stage II approval be given to the proposal at a cost of £49,750 (excluding fees) and on behalf of the Director the Chairman authorised the remission of the proposal to the R.G.M.B. for stage III approval.

(d) Additional Storage and Transport Shed in Building 462 Area (Min. 2 (e))

Mr. Thornton reported that S.W.O. were presently out to tender for package deals and would report results at the next meeting.

(e) Improvements to Main Gate Car Park (Min. 2 (g))

Tenders were still awaited for this work.

(f) Allowance factors in estimates and area costs (Min. 4)

Mr. Dixon reported that the revised paper was still in the course of preparation.

The Chairman reported that he had written to the Radiochemical Centre on hot laboratory costs. Dr. Grove had replied that £9. 6. Od. per foot super was probably a fair average of what a class A hot laboratory should cost.

Mr. Fishenden suggested that papers on building proposals should contain more information as set down in the Financial Procedures Booklet. He further suggested that the paper to the Building Committee should comprise a copy of the R.G.M.B. paper seeking stage I approval, together with an appendix from S.W.O. setting out a statement of the accommodation and building cost standards, with explanations of any unusual features, and form H.234 (Proposal for erection of new building or extension of existing building).

(g) Additional Car Park near Building 401 (Min. 5)

Information was still being collected on site car parking problems and would be submitted at the next meeting.

(h) Siting of Additional Temporary Office Accommodation (2 Mark VII Terrapins) in Building Section Yard (Min. 6)

It was reported that the Chairman of the Fire Committee had agreed to the scheme proceeding although it did not conform to normal standards. It was stressed that the scheme had not been considered formally by the Fire Committee and the rejection referred to in the Building Committee paper was in fact the feelings of a few members who had discussed the scheme.

3. Health Physics Clearance of New Buildings - BC(62)25

Dr. Johnston presented a paper setting out the current practice for obtaining Health Physics clearance to new building proposals. It was stressed that Health Physics Division could do little more at the committee stage than consider schemes in principle; it was not possible to say at this stage that final clearance had been given. The Committee could only expect Health Physics Division to confirm that they had no objections to the scheme in principle.

The building sponsor should maintain close contact with the Health Physics Division as the scheme progressed although the paper stated that the latter had no objections. It was also felt that points 6 (c) and 6 (d) of the paper should be made more generally known.

DCW. The Secretary was asked to arrange for the Financial Procedures Booklet to be amended to incorporate these points.

4. Sub-standard Accommodation - Review of Demolition Programme - BC(62)28

The Committee considered a paper setting out the current position on the demolition programme.

Mr. Ferguson stated that the caravan referred to in para. 4 of the paper was the last one of the six in the 418 enclosure scheduled to be removed.

The Committee approved the re-use of Building 431.5T for electrical contractors.

NNF. Before a decision was given on the re-use of Building 60/T it was agreed
RME. that the possibility of storing the equipment manuals in the Library should be considered.

5. Siting of Contractors' Area - BC(62)29

GWD. Mr. Ferguson presented a paper inviting the Committee to consider the
NNF. siting of the contractors' area in the light of the latest facts. It was wished to clear up the extremely untidy area south west of Building 328 at the earliest possible opportunity. Mr. Dixon agreed to arrange this and examine the site with Mr. Ferguson.

After considerable discussion the Committee endorsed the recommendation that all future contracts for major buildings (£50,000 or over) should restrict the contractor to the actual building site.

6. Variable Energy Cyclotron Project, Building 540 - BC(62)30

Mr. Bown presented a paper seeking approval of the siting and building proposals for the project. He explained that the main uncertainty was with the cyclotron itself and should the machine development cause anxiety in the next eighteen months the building proposals contained sufficient flexibility for economies to be made initially and thus free funds for the higher costs of the machine.

During discussion the following points were made:-

- (i) the area costs were reasonable and the office accommodation planned was acceptable;
- (ii) the cost of shielding was discussed, namely £110,000 for 9000 tons of natural concrete, which was approximately one sixth of the total cost of building work. Mr. Bown stated that it was technically desirable for the machine to be above ground but that the placing of it in a pit had been considered in the early stages but rejected because:-
 - (a) the experimental flexibility would be restricted. In a pit the flight paths to the target rooms would be extremely limited. Longer flight paths were likely to be required and Nuclear Physics Division might wish to do work with the machine; and
 - (b) the problem of access to the pit. The machine would be covered by concrete slabs 30' x 8' x 4' and access to the machine would necessitate the removal of these by an overhead 25 ton crane, an expensive item.

A detailed comparison between the present scheme and one with the machine in a pit had not been carried out but Mr. Bown was satisfied that the present specification represented the most economical solution.

- (iii) the shielding requirements had been calculated by N.I.R.N.S. shielding staff, but considerable discussion and negotiation had taken place in order to meet the shielding requirements in the most economical way;
- (iv) natural concrete gave the most economical construction and was also employed on the doors;
- (v) Mr. Ferguson requested that consideration be given to the erection of a regional store in the vicinity of the cyclotron building to serve the area and to replace buildings 366, 365 and 364 and to a certain extent the stores in Building 220.

JEB

Mr. Bown was asked to consider the most suitable site for the store;

- (vi) a paper on the development of site services in the area was at present being drawn up by the Works Engineering Group.

The Chairman said he wished to study the scheme further and then discuss any points with Messrs. Fishenden and Crabb before giving Stage II approval on behalf of the Director. In the meantime, he authorised the issue of an I.T.P. for £10,000 for the advance ordering of reinforcement and stainless steel fittings for the work.

7. Extension to the Reactor School - BC(62)31

Mr. Hull sought approval for the first of three stages for the extension of the Reactor School. These provided a cheaper method of providing accommodation for the school. The token estimate for the first stage was £14/17000.

RMF

After discussion it was agreed that Mr. Fishenden examine the scheme and report back to the Chairman.

Next Meeting

The next meeting will be held on Wednesday, 13th June, 1962 at 11.00 a.m.
in the Conference Room, Cockcroft Hall.

D. C. Wall
Secretary.

Finance Branch,
Building 329.
Ext. 2783.

11th May, 1962.