

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

Magnet Yoke for the 7 GeV Proton Synchrotron

Contract No. CON/HAR/12158/2A with

Messrs. Joseph Sankey & Sons, Ltd.

1. When this contract was placed, a sum of £100,000 was retained in the Estimate to cover the cost of possible minor modifications which the Authority might require before the completion of the pre-production run, (see NI(GP)(57) 1). Certain modifications were already being discussed by the Project Committee and have since been recommended.
2. The Contractor has now submitted his quotation for the modifications, and a copy of his letter is attached. The total cost, for the 340 magnet yoke blocks, is £64,600; this is considered to be fair and reasonable.
3. The modifications concerned are:
 - (a) A machined dovetail on the throat of the magnet yoke, into which the pole-piece blocks will be anchored. This considerably simplifies the mounting of the pole-pieces.
 - (b) The incorporation of brackets, welded to the yoke, to support the magnet windings.
 - (c) The introduction of thin (1/8 inch) plates into magnet yoke blocks where found necessary during production. This enables the dimensional tolerances on the yoke blocks to be halved, at very little cost.
4. Since the Project Committee is authorised to sanction only £25,000 for this purpose, the approval of the General Purposes Committee is now sought to amend the Contract to cover these modifications at a cost of £64,600.
5. It is desired to retain the remainder of the original £100,000 in the Estimate.

D. W. Fry (Chairman, Project Committee)
T. G. Pickavance

14th January, 1958.

CONF - COMMERCIAL

JOSEPH SANKEY & SONS LIMITED,

Albert Street,
BILSTON, Staffs.

Please Quote
Ref. GSW/ALW

8th January, 1958.

United Kingdom Atomic Energy Authority,
Building 412,
Atomic Energy Research Establishment,
Harwell,
DIDCOT, Berks.

For the attention of Mr. J. B. Marsh

Dear Sirs,

Contract No. CON/HAR/12158/2A.

We have now had an opportunity of investigating the cost of the modification to the Magnet Sectors to bring them into line with drawing No. E.141765, issue 4.

Extra cost of introducing dovetailing to matching of throat	£ 36. -. -d.
Cost of introducing Coil Brackets to front of Sector	£128. -. -d.
Introduction of closer weight control	£ 26. -. -d.
Total extra cost per Magnet Sector -	£190. -. -d.

We trust that you will be able to agree to these figures and shall be pleased to receive your formal amendment to the contract, in due course.

Yours faithfully,
JOSEPH SANKEY & SONS, LIMITED.

(SGD). G. S. WILLIS