SPS/AMR/RBF/D-21/Add.1 27th October, 1978

ADDENDUM TO TECHNICAL SPECIFICATION SPS/AMR/RBF/EEK/D-21
FOR TENDER INQUIRY III-306/AC, DATED 22nd DECEMBER,1977.

1. Page 6, sect. 3.3.1 - Table

"3 Sparking detected" - time must be 2000 ms instead of 200 ms

2. Page 9, sect.3.5 : Additional requirement :

A resettable thermal trip element acting on the input current shall be mounted on the rear panel. This shall be used to protect the supply in the event of continuous sparking at the high voltage level, in the event of internal failure.

3. Page 9, sect. 4.1

Insert after Para.1

"The maximum power drawn by the supply in the "ON" state, high voltage mode, under zero external load conditions, shall not exceed 50 Watts at the 220 V AC level".

4. Page 10, sect. 4.2, Para.4

The sentence beginning : "The open circuit output voltage..." is replaced by : "The open circuit output voltage shall be 2200 V rms and the short circuit current 1000 mA $\pm$ 10%."

5. Page 10/11, sect. 4.3 is replaced by the following :

"The power supplies must be equipped with all necessary external connectors. The manufacturer shall use connectors and pins already standardized by CERN. The following connectors and pins will be supplied free of charge :

Burndy front panel 50 BSF slide
Burndy rear panel 50 BSF screw
Swiss standard 10A mains connector 3 PFAPM

The high voltage connector shall be a Fischer type D105-A-036-5, and is not supplied by CERN.

The connector contacts are summarized in Table I-III".

CONFIRMATION OF WORK REQUESTED

SIS DOCUMENT REPRODUCTION SECTION REQUEST FOR: TYPING [ ] PRINTING [x]

Name of requester: B. Flockhart (E. Kaiser)
Division: SPS
Group: AMR
Tel. No.: 3076

Job No. [ ][ ][ ][ ] *(leave blank)*
Date: 2.2.78
Code: [8][2][8][0]

Author(s): _____ Report No.: _____
Title of document: _____

Type of document:

- [ ] Yellow Report
- [ ] Divisional Report
- [ ] Preprint
- [ ] Lecture Notes
- [ ] Manual
- [ ] Translation
- [ ] Drawings
- [ ] Forms

[ ] Other work (specify) ...Specification SPS/AMR/RBF/EEK/D-21 et "Technical Questionnaire" (D-21)

No. of copies requested: 60
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Date: 2. 2. 78

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GENERAL REMARK: *All work will be done by the most economic method (e.g. printed recto/verso) if not otherwise stated. Any special requirements should be noted under "Special instructions".*

TECHNICAL SPECIFICATIONS

Final [illegible] document: A4 [x] A3 [ ] A2 [ ]
No. of [illegible]ript pages: _____
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Special instructions: Le dessin No. 7a est à réduire en A4 et inserer dans les dessins à la fin de la spécif.

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CERN

DIVISION SPS

SPS/AMR/RBF/EEK/D-21

POWER UNITS FOR THE 400 ℓ/s VACUUM PUMPS

T E C H N I C A L Q U E S T I O N N A I R E

(To be completed and signed by the Tenderer)

Date _____

Signature and stamp of the firm

_____

1. How many sputter-ion pump power supplies or other electronic equipment of similar type does the tenderer manufacture per annum? Please give details of the technical performance of the units which correspond closest to the present specification.

2. Is the tenderer willing to send upon request a sample power supply of his present production to CERN for inspection?

3. How many persons are employed in the tenderer's factory?

4. In which member state of CERN would the proposed units be manufactured? If parts of the units are manufactured outside the member states please indicate to what extent.

5. What transformer does the tenderer intend to use?

6. Which type of rectifier circuit will be used in the proprosed power supply? (e.g. voltage doubler or bridge rectifier)

7. In which way does the tenderer propose to produce the overcurrent protection and warning signals?

8. Which type(s) of relays are proposed for the control functions?

9. What is the proposed layout of the power unit(s)? (Please give a schematic diagram)

10. What is the proposed mechanical layout of the different components? (Please add a sketch)

11. Which safety features in addition to those specified does the tenderer propose?