

Angebotsbewertungsmethoden und -kriterien

Wertungsmethode der Vergabe

Wertungsmethode	Die Wirtschaftlichkeitsberechnung wird durchgeführt nach der Preis-Quotienten-Methode, gewichtet nach Preis (30%) und Kriterien (70%).
Gewichtung des Preises	30.00 %
Gewichtung der Kriterien	70.00 %

Wertungskriterien der Vergabe

1 Delivery time

Beschreibung It is particularly important to the client that the bidder specify a delivery time that is reasonable from the client's perspective; furthermore, a project plan that is as detailed as possible should be presented in a plausible manner.

10 points: 9 months or less
5 points: 12 months
0 points: more than 12 months

Art Qualitätskriterium
Typ Bewertungskriterium
Gewichtung 20 %
Ausprägung Standard
Kriterientyp Graduell
Mindestanforderung Keine
Antwortoptionen für Bieter Freitext (Pflichtangabe)

2 SIS100 system: "Multiple type power supply"

Beschreibung An initial concept for the hardware design of the SIS100 devices" remote power supply will be presented. Once the contract is awarded, this concept will serve as the basis for finalizing the technical details and specifications for the SIS100 accelerator. Key considerations include the modular design and the ability to adjust the voltage at the niches to compensate for the effects of long cables.

10 points = The presentation is good, coherent, and very well-founded. It reveals a concept that suggests the task will be completed particularly well and efficiently.

5 points = The presentation is clear and understandable. It reveals a concept that, with some modifications, would generally enable the bidder to meet the requirements of the contract.

0 Points = The presentation is inadequate. The presentation does not reveal a concept that will prove effective.

Art Qualitätskriterium
Typ Bewertungskriterium
Gewichtung 10 %
Ausprägung Standard
Kriterientyp Graduell
Mindestanforderung Keine

Antwortoptionen für Bieter

Freitext (Pflichtangabe)

3 Precision Instruments: Development/Manufacturing**Beschreibung**

The further development of the IFC3 and subsequent production of the IFC4, as required in the request for proposals, necessitate a very good understanding of precision electronics for measurement data acquisition, specifically for measuring small currents in the range of (nA to µA) or corresponding charge quantities. The description of the services offered should include the following:

- Explanation of the methods used and the level of detail in the information provided
- Detailed explanation and description of all internal processes relevant to the production process, including device development and quality assurance
- A detailed description of the measuring equipment and measurement procedures required for quality assurance with regard to the technical parameters specified in the specification (see Table 3)
- A transparent and complete explanation of all required acceptance inspections and tests

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0 Points = The presentation is inadequate. The presentation does not reveal a concept that will prove effective.

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4 Development IFC4

Beschreibung

As part of the development work (see Section 4.2 of the specification), the device's optocoupler-as a key component-is to be significantly improved in terms of linearity and manufacturing characteristics. For mass production, the current discrete optocoupler is to be replaced by an analog, integrated component. The proposal should include the following:

- A description of the potential improvements, including details on the planned electronic components and a precise description of the selection criteria
 - Information on the planned tests and quality assurance measures
 - A description of the expected tolerances and suggestions for potential further improvements
- Temperature stability and linearity across all 6 measurement ranges are of particular importance. Furthermore, the radiation-tolerant design of the I/F converter must be maintained.

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0 Points = The presentation is inadequate. The presentation does not reveal a concept that will prove effective.

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5 IFC4: Device Properties: Offset, Calibration, Linearity

Beschreibung

The procedure for calibration and the resolution of the calibration setting are evaluated. The typical calibration point is 50% of the measurement range. The offset frequency after adjustment must be less than 5 Hz.

10 points: Linearity deviation < 2% (at a given temperature)

5 points: Linearity deviation < 5%

0 points: Linearity deviation >= 5%

Art

Qualitätskriterium

Typ

Bewertungskriterium

Gewichtung

15 %

Ausprägung

Standard

Kriterientyp

Graduell

Mindestanforderung

Keine

Antwortoptionen für Bieter

Freitext (Pflichtangabe)

6 IFC4: Device Characteristics: Temperature Stability

Beschreibung

The temperature characteristics must be verified, e.g., through calibration at various temperatures. The long-term stability of the IFC4 is of particular interest due to the long beam times spanning several months. At a constant input current, the pulse output value should change as little as possible. This is especially true when switching between measurement ranges. The error is always relative to the entire measurement range, i.e., measured from 0% to 100% modulation of each measurement range, with a measurement duration of 1 hour for each fixed input current value.

10 points: Pulse output deviation < 1%

5 points: Pulse output deviation < 2%

0 points: Pulse output deviation >= 2%

Art

Qualitätskriterium

Typ

Bewertungskriterium

Gewichtung

15 %

Ausprägung

Standard

Kriterientyp

Graduell

Mindestanforderung

Keine

Antwortoptionen für Bieter

Freitext (Pflichtangabe)