## Bid Specifications: (NMR Spectrometer)

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<td>NMR Spectrometer</td>
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Specifications are as follows:

**Description:**

1. NMR Spectrometer
2. Larmor Frequency – 82MHz
3. Nucleus – Proton 1H
4. Sample Form – Liquid
5. Resolution – Better than 18 ppb
6. No NMR Tubes Required to collect Spectra
7. Signal-to-Noise Ratio – Better than 4000 for water, Single Pulse
8. Data Format – JCAMP-DX
9. Magnet Type – Permanent
10. Magnet Temperature – 8°C above Ambient Temperature to 45°C
11. Sample Capillary – 400
12. Sample Volume - ~40µL
13. No cryogenics
14. Inlet/Outlet Fittings – 1/16" Stainless Steel
15. Weight – 19.5Kg (~43 lbs) ~ Dimensions – 36.2 cm W x 25.4 cm H x 43.2 cm D (14.25"W x 10"H x 17"D)
16. Power – 100/230 VAC, 50/60Hz, 150 W
17. Warranty – 12 Months includes 1-year subscription to MNOVA NMR software
18. MNova Academia and Government Perpetual License - NMR Software Plug-In software module for prediction of NMR spectra from molecular structure within the MNova Suite
19. 80 Additional Capillary Cartridge, sub panel assembly containing the NMR RF Coil and Shim Coils ~ includes tools needed for installation ~ cartridge Inlet and Outlet Fittings - 1/16" Stainless Steel 5
20. Teaching Accessory Kit for 1/16" Stainless Steel Fittings
21. Inline PEEK Inlet Filter Replacement ~ five replacement inlet filters for 1/16” fittings, PEEK body, 2 µm SS

**Delivery:** *(Within 30 days of bid)*

FOB: Prairie State College, 202 S. Halsted St., Chicago Heights, IL 60411
| Company Name: | ____________________________________________ |
| Signature:    | ____________________________________________ |
| Phone Number: | ___________________________ Date: _____________ |