Purchasing Services Office
801 Leroy Place
Socorro, NM 87801
(575) 835-5881

Letter of Addendum

TO: All Offerors

FROM: Kimela Miller, CPO

DATE: 11/17/2023

RE: RFP Number: RFP# 2411019C, Amendment No. 1 Commodity: High-Performance Computer System

Please note:

This amendment is issued to provide a list of questions which have been received by NM Tech along with our response.

Q1) Regarding the Equipment Location and Existing Resource in the Scope of Work section (15), based on the requested configuration, we estimate power draw to be well in excess of 30 kW, whereas there's only a little over 28 kW available. As such, do you prefer fewer cores or fewer nodes to fit within your budget envelope?

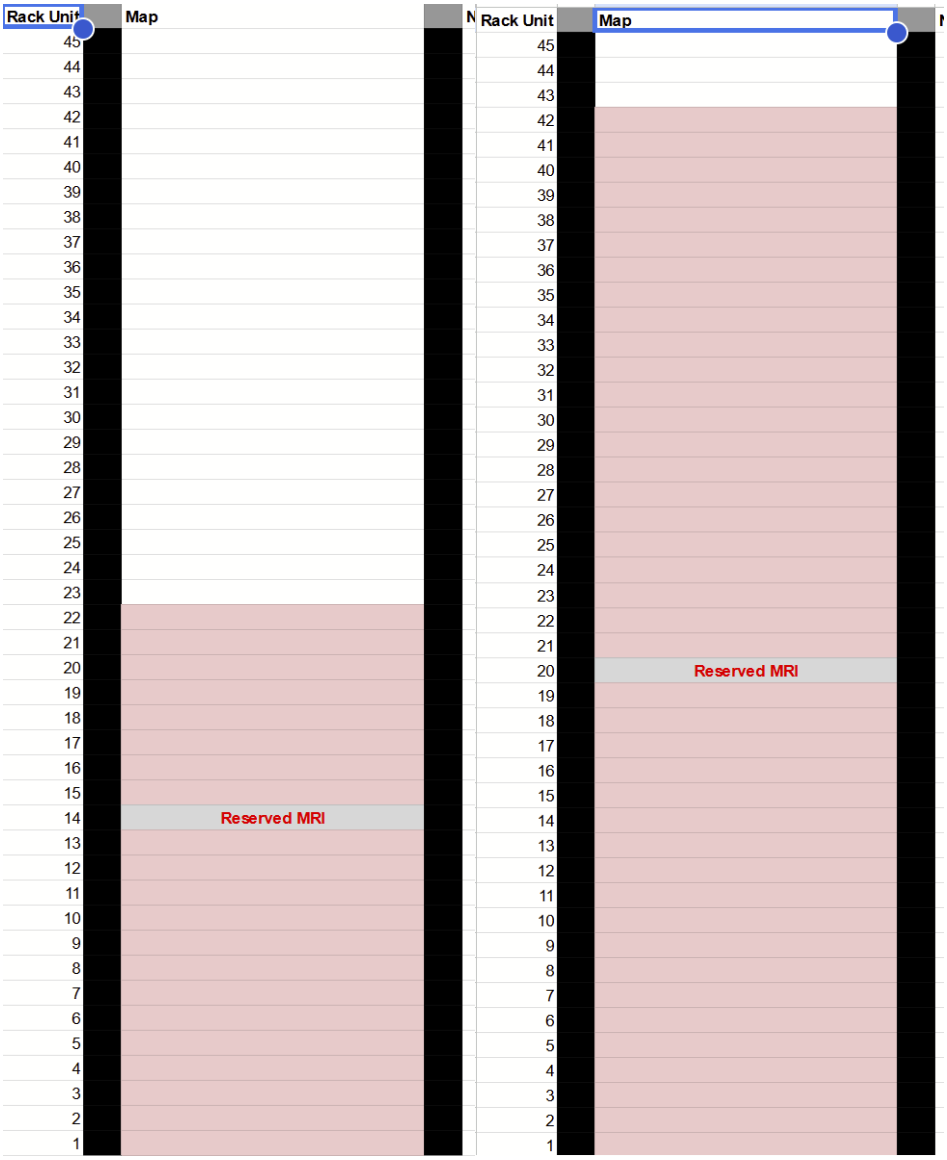
A1) Can your equipment provide power capping functionality, which then allows us to utilize additional power capacity from the data center that comes online? If not, we prefer fewer nodes with the specified configurations.

Q2) Just as an aside: the 9564 CPUs have a combined power draw of 16,920 watts, and that's not including anything else such as memory, drives, fans, etc.

A2) Thank you for this information.

Q3) Staying within the same section, since you mentioned there are partially populated racks we'll have access to, is it possible to get pictures of these racks so we can see what is currently in them and where they are within each rack?

A3) We cannot provide pictures of the racks but we have included the inventory information showing the reserved area of two racks for this project. This equipment will be the first to go into these racks. See next page graphic.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Q4) Staying within the same section, can we get model numbers of the racks and PDUs being used?

A4) The PDUs at the Datacenter are AP8967 (17.3 KW) and AP8965 (8.6 KW), while the Data Racks are AR3355 units.

Q5) In Table 1 of the Equipment section, is there a particular reason for requesting fiber IB cables? They're considerably more expensive than copper ones and aren't required for shorter distances. As an example, a fiber 3m InfiniBand cable is over $1000 more expensive than a 2m copper one.

A5) Thank you for this information. Due to the size of cable trays and management we need to use the fiber IB cables for the nodes in the additional rack separate from the location of the IB switch. As such, copper IB cables within the rack are fine, between fiber IB cables between racks are preferred.

Q6) In Table 1 of the Equipment section, and with Nvidia no longer making A100 GPUs, will you accept one H100 per node instead of 2x A100s?

A6) An nVidia solution that maintains the performance level of at least 19.4 TFlops of FP64 and 39 TFlops of FP64 with Tensor cores per node is acceptable.

Q7) With the due date so short after the addendum is issued, can it be extended at least a week to have time to update response and get it delivered on time.

A7) Yes, we will update our timeline to include an extension to December 12, 2023. Here is the new RFP timeline.

Action	Responsibility	Date
Issuance of Request for Proposal	NMIMT Purchasing	November 2, 2023
Deadline for Questions	Proposer	December 5, 2023 @12:00 PM (local time)
Deadline for Addendum(s)	NMIMT Purchasing	December 6, 2023 @5:00 PM (local time)
Submission of Offer	Proposers	December 12, 2023 @2:00 PM (local time)

Q8) What is the budget for this project?

A8) That is not information we divulge.

Q9) With the upcoming holiday and the short window between addenda release and RFP due date, we respectfully request an extension to TUE/ Dec 12. This will allow the time needed for configuration changes based on Q&A ensuring the right solution is presented to NMIMT.

A9) See A7 response.

Q10) Section 15.1: Is 17kW the total power available for A+B? Or is there 17kW available on A, and 17kW on B?

A10) Both A + B have 17kW but either can be taken down at any time for maintenance. The system must run on either A or B but not require both to operate.

All other terms and conditions of the RFP remain unchanged. All Offerors are required to confirm the receipt of this amendment in their RFP response. The proposal due date is December 12, 2023 at 2:00 p.m. local time.

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