## MINUTES OF PRE-BID MEETING

The pre-bid meeting was held on 19th August 2019, 02:00 PM at the TEQIP-III Office, Uttarakhand Technical University, Dehradun regarding National Competitive Bid (NCB) of "Centre of Excellence in Artificial Intelligence and Machnine Learning" under TEQIP-III. The following members were present in the meeting:

1. Dr. Ajit Singh, BTKIT, Dwarahat : Expert
2. Dr. Manish Prateek, UPES, Dehradun : Expert
3. Mr. Sanjeev Rathore, SPIU, Uttarakhand : Expert

The following prospective bidders/OEM representatives were present.

1. Mr. Fuzail Shams Kazmi, Strategic Marketing, Dehradun.
2. Mr. Laxman Singh Bisht, Dell Technologies, Dehradun.
3. Mr. Anil Sharma, Artline Infotech, Dehradun.

The representative of different OEMs gives the following suggestion:

| Feature | Existing NCB Specification | Revised NCB Specification |
|---|---|---|
| OEM history | 1. The OEM should provide a proof at least 10 unique sites in India where the quoted model is being used for Development work in the areas of Artificial Intelligence (ML/DL).<br>2. The OEM should have min. 5 installation with similar system for Deep learning & Machine learning in different institutes (preferably in Gov. of India Labs, IITs, IISc etc.). The Bidder should have 3 such installation in past & should have on-going support to customers on ML/DL. | 1. The OEM should provide a proof at least 05 unique sites in India where the quoted model is being used for Development work in the areas of Artificial Intelligence (ML/DL).<br>2. The OEM should have min. 03 installation with similar system for Deep learning & Machine learning in different institutes/Govt. department (preferably in Gov. of India Labs, IITs, IISc etc.). |
| MoU with Uttarakhand Technical University (UTU) | 1. OEM will do a MoU with UTU and agrees to work together in a strategic partnership to develop skills in AI/DL and lead national technological capabilities in the context of rapidly growing global developments in the field of Artificial Intelligence/Machine Learning/Deep Learning.<br>2. Provide free access to GPU Teaching kit on Deep Learning<br>3. Train-the-Trainer' of UTU Dehradun designated staff through Deep Learning Institute Program.<br>4. Be a sponsor and support by way of technology speakers in an annual event | To be included in terms & conditions of NCB document. |

Ajit Singh

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| | themed around Deep Learning at the UTU within one year of installation of the AI server mentioned above, on a mutually agreed date and schedules.<br>5. Coordinate and help connecting UTU to other Global Universities and research organizations who are OEM's partnered institutes and have similar systems and project with common interests. | |
| | Nodes (Desktop Computers) Specifications | Nodes Specifications |
| Display/Rack (1 set) | - | 42U Rack with PDU,CoolongFAN,Tray etc. |
| Online UPS (One) | - | 15 KVA ONLINE IGBT UPS With ISOLATION TRANSFORMER (3 ph I/P-1Ph O/P). |
| I/O Port location | Front<br>1 headphone/microphone combo; 2 USB 3.0 (1 charging); 1 USB 3.1<br>Rear<br>1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 2.0; 4 USB 3.0 | Front and Rear<br>headphone/microphone combo, minumun 10 USB<br>1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.2 |
| Power | 500 W internal power adapter, up to 90% efficiency, active PFC | 400 W or above internal power adapter, up to 90% efficiency, active PFC |

The suggestions/recommendation/ comments received from the bidders/OEM representative from the OEM are discussed in the meeting and accordingly amendments are made as per the norms/rules prescribed in the procurement manual of TEQIP-III.

**(Fuzail Shams Kazmi)** **(Laxman Singh Bisht)** **(Anil Sharma)**

19/01/19

**(Dr. Ajit Singh, BTKIT)** **(Dr. Manish Prateek, UPES)** **Sanjeev Rathore**