

**Revised Additional Terms and Conditions in reference to RA:**  
**GEM/2019/RA/7690**

Date: 17 May 2019

PSeGS invites bids on GeM from interested bidders for supply, installation and commissioning of Data Center equipment with comprehensive onsite warranty to be installed in the State Data Center of Punjab situated at Mohali.

**Additional terms and conditions:**

1. All bidders including MSEs are required to submit EMD / PBG.
2. OEM must ensure that the complete solution should be configured in such a way that there is no single point of failure. (Document: Legally vetted letter from OEM).
3. The bidder must submit Product Life Cycle certificate from OEM for atleast 7 years. Further, the OEM shall ensure the availability of spares during this period. (Document: Legally vetted letter from OEM).
4. OEM needs to provide legally vetted certificate that the entire hardware equipment is covered under 5 years onsite comprehensive warranty.
5. The equipment supplied must be compliant with the racks installed in State Data Centre which are of 4.5 KVA power capacity. (Document: Legally vetted letter from OEM).
6. The OEM must ensure 24 \* 7 \* 365 service support during warranty period. (Document: Legally vetted letter from OEM). The complaints must be resolved (including the cases where the equipment requires to be replaced) within 6 hours of lodging of complaint. In case of non-compliance, a penalty @ 0.02% of the concerned equipment cost per hour of delay beyond 6 hours (or part thereof) shall be applicable, subject to minimum of Rs. 500 per hour. This rate of penalty shall be doubled after every 24 hours incase the equipment is not made functional. These penalties shall be recovered from the pending payment (if any) or from the PBG.
7. Installation & demonstration of all items will be done by respective OEMs and after commissioning a certificate needs to be submitted by the OEM in this regard. (Document: Legally vetted letter from OEM).

8. Separate onsite training for 2 days needs to be provided for each item in the RA. (Document: Legally vetted letter from OEM).
9. For blade server equipment, OEM should be amongst top 5 companies for at least 3 times in the IDC India quarterly reports of the year 2018 for “India x86 Server Companies (Revenue Market Share)”.
10. For storage, OEM should be amongst top 5 companies for at least 3 times in the IDC India quarterly reports of the year 2018 for “India External / Enterprise Storage Systems Market Share (by Vendor Revenue)”.
11. 97.5% payment will be made after delivery, installation and commissioning of the all items in the RA. Remaining 2.5% payment will be made on annual basis spread over five years (i.e. 0.5% payment after completion of each year from the date of commissioning).
12. For Operating System Software, out of the total 16 licenses being procured, 8 licenses are required for High Availability extension. Further, the OEM of the Operating System must ensure that 8 physical machines can be virtualized using a supported hypervisor (like KVM, Xen, etc.) provided by the OEM.
13. The bidder should not have offered lesser price for any of the line items to any government / semi-government organization of Centre or any State (of same specification as in RA). If such a case is discovered for any line item then the lesser price offered to the other organization shall be automatically applicable for those line items in this RA.
14. Amendment / clarification in specifications for various equipment is as under:
  - a) SAN Switch:**
    - i. 48 fibre channel base ports are required with licenses for all ports.
  - b) Chassis For Blade Server:**
    - i. Minimum size of blade server chassis should be 6U
    - ii. Minimum number of bays available in chassis should be 8
  - c) Storage System:**
    - i. SAN's capacity should be 200 TB usable with SSD, SAS ratio of 60:40. The cumulative IOPS should be 2.5 lakhs (60% Read and 40% Write). SAS with RPM 15K. OEM should demonstrate that these IOPS are achieved after installation.

(Assuming block size in the range of 4KB to 8KB and latency in the range of 10 ms to 15 ms).

- ii. Any number of drive slots can be populated with drives of different type in the Storage System.
- iii. Minimum number of drive slots should be 400.
- iv. Cache provided should be controller based cache.
- v. There is no limitation on the number of drive slots that need to be populated with SAS or SSD.
- vi. The offered product must be scalable to minimum 4 controllers and minimum 384 GB cache.

Note: This document supersedes all corrigendums and ATCs that have been issued earlier in reference to the RA No: GeM/2019/RA/7690