CORRIGENDUM

(Tender No: OCAC-TE-10/2021/ENQ/21062, Dated 23/12/2021)

(Selection of Supplier for Supply, Installation and Commissioning of IT Infrastructure required in IT Centre, Lokseva Bhawan for Enterprise e-Despatch Application)

Last Date of Submission of Bid : 17/01/2022, 2 PM

Sl#	Tender Document Reference(s) (Section & Page Number(s))	Content of Tender requiring Clarification(s)	Clarification from OCAC
1.	5.5.3 KVM Switch, Page 29	KVM Switch	**Amended as:** Please read "Heading KVM Switch" as "SAN Switch" & in Commercial Bid- Please read "KVM Switch" as "SAN Switch"
2.	5.5.4 Storage, Page 30	**No of Controllers:** 2 or more in redundant controllers	**Amended as:** 2 or more redundant controllers configured as active-active mode so that a single logical unit (LUN) can be shared across all proposed controllers.
3.	5.5.4 Storage, Page 30	New Clause	**Addition of New Clauses:** Offered Storage array shall be integrated with Red-hat , Kubernetes and other industry K8 based container platform through CSI driver set. Vendor shall support at-least following functionalities through their CSI / CSP integration : a) Shall support both Static and Dynamic provisioning b) Shall be able to create and delete the snapshots. c) Support for both Fiber channel as well as ISCSI.
4.	5.5.4 Storage, Page 30	New Clause	**Addition of New Clauses:** Offered Storage array shall support multi-tenancy
5.	5.5.1 Database Server, Page 26	New Clause	**Addition of New Clauses:** Security Clauses: 1) UEFI Secure Boot and Secure Start support 2) Security feature to ensure servers do not execute compromised firmware code 3) Tamper-free updates - components digitally signed and verified 4) Secure Recovery - recover critical firmware to known good state on detection of compromised firmware 5) Ability to rollback firmware 6) TPM (Trusted Platform Module) 2.0

6.	2.1 Pre-Qualification (PQ)–Cum–Technical Criteria SL#- 6	The bidder should have presence in Odisha with service support center at Bhubaneswar	**Amended as:** The bidder should have presence in Odisha with service support center at Bhubaneswar or Bidder will open office at odisha and service center at Bhubaneswar within 1 month of awarding of tender.
7.	5.5.1- Database Server, 5.5.2 - Application Server, Pg no.: 26 -29	**Memory:** Minimum 256GB latest DDR memory using 32GB DIMMs or higher. Advanced ECC with multi-bit error protection. The memory should have native capability of identifying and reporting the genuineness of the memory installed in the server.	**Amended as:** The memory should have native capability of identifying and reporting the genuiness of the memory installed in the server. OR The server should be integrated in the factory, tested, certified, chassis intrusion switch enabled, packed in carton & carton should be sealed before transit.
8.	5.5.1- Database Server, 5.5.2 - Application Server, Pg no.: 26 -29	Network Controller: Minimum 4 x 1 Gbps ports & 2 Nos of 10/25 Gbps Network Adapter with 10 Gbps transceiver.	**Amended as:** Network Controller: Minimum 4 x 1 Gbps ports & 2 x 10/25 Gbps ports with 10 Gbps transceiver.
9.	Page No-15,Clause No-2.1,Section-Pre-Qualification (PQ)–Cum–Technical Criteria	Annual average Turnover Minimum of Rs.10 Cr. generated from IT Networking supply and associated maintenance services during any last three Financial years i.e: FY 2020-21, 2019-20, and FY 2018-19	**Amemded as** : Annual average Turnover Minimum of Rs.5 Cr. generated from IT Networking supply and associated maintenance services during any last three Financial years i.e: FY 2020-21, 2019-20, and FY 2018-19
10.	Page No-26,Cluse No-5.5.1,Section-Specification of the hardware Items(Database Server)	Minimum 256GB latest DDR memory using 32GB DIMMs or higher. Advanced ECC with multi-bit error protection. The memory should have native capability of identifying and reporting the genuineness of the memory installed in the server.	No Change, As per Tender
11.	Pg.-30,Cl.No-5.5.4, Section-Specification of the hardware Items(Storage-memory)	Offered Storage array should have at-least 256GB protected DRAM cache.	No Change, As per Tender
12.	Page No-30,ClauseNo-5.5.4,Section-Specification of the hardware Items(Storage-memory)	Complete offered cache shall be both Global and coheren	**Amended as:** Complete offered cache shall be on Global.

13.	Page No-30, Clause No-5.5.4, Section- Specification of the hardware Items(Storage- Standard features)	Controllers shall be true symmetric active-active so that a single logical unit can be shared across all offered controllers in symmetrical fashion, while supporting all the major functionalities like Thin Provisioning etc.	**Amended as:** Controllers shall be true active-active so that a single logical unit accessible by all offered controllers, while supporting all the major functionalities like Thin Provisioning etc.
14.	Page No-30, ClauseNo-5.5.4, Section- Specification of the hardware Items(Storage- Availability)	Offered storage shall be an enterprise storage array & 100% data availability guaranteed architecture. Shall be published as enterprise array on the vendor web site. If vendors are not supporting the 100% data availability as per their website then vendor shall quote additional Controller and 10% additional capacity as cold spare along with array for mitigating the failure situations. There shall be no performance de-gradation during critical support activities like Firmware upgrade, patch upgrade etc	**Amended as:** Offered storage shall be an enterprise storage array & 99.999% data availability guaranteed architecture. Shall be published as enterprise array on the vendor web site. If vendors are not supporting the 99.999% data availability as per their website then vendor shall quote additional Controller and 10% additional capacity as cold spare along with array for mitigating the failure situations. There shall be no performance de-gradation during critical support activities like Firmware upgrade, patch upgrade etc
15.	Pg -31,Cl.No. -5.5.4, Section- Specification of the hardware Items (Storage-Qos Support)	It shall be possible to change the quality of service Response time, IOPS, bandwidth specification at real time.	No Change, As per Tender
16.	Pg No-31, Cl. No-5.5.4, Section- Specification of the hardware Items(Storage- Spare)	Offered Storage Array shall support distributed Global hot Spare for offered Disk drives.	No Change, As per Tender
17.	Pg No-31, Cl. No-5.5.4, Section- Specification of the hardware Items (Storage-Spare)	Global hot spare shall be configured as per industry practice.	No Change, As per Tender
18.	Pg No-30, Cl. No-5.5.4, Section- Specification of the hardware Items (Storage-Firmware upgrade)	Offered storage shall support online non-disruptive firmware upgrade for both Controller and disk drives without any reboot of controller.	No Change, As per Tender
19.	5.5.4 Storage; Page 30	1. Offered Storage array should have at-least 256GB protected DRAM cache.	No Change, As per Tender

Sd/-
General Manager (Admn.)