

**CORRIGENDUM**

**ADDENDUM NO. 02 DATED 24.08.2021**

**To**

**TENDER NO. SDI7731P22/03**

This addendum is issued to incorporate the following:

- A) Amendment to some of the existing tender clauses
- B) Information/clarification to all bidders against the generic queries received from various parties.

**A) The following amendments will be applicable to the tender:**

Srl. No.	Tender Clause Reference	Existing Clause details	Amended to read as
1	Annexure-A, AA Item Sl. No. 30, Clause 9 b	Offered Array must support RAID 0, 1, 5, 6, and 10	Offered Array must support RAID 1, 5, 6, and 10
2	Annexure-A, AA Item Sl. No. 30, Clause 11 b	Quality of service engine must allow to define minimum and maximum cap for required IOPS / bandwidth for a given logical units of application running at storage array.	Quality of service engine must allow to define minimum and maximum cap for required IOPS & bandwidth for a given logical units of application running at storage array
3	Annexure-A, AA Item Sl. No. 20	<ol style="list-style-type: none"> <li>1. VMWare Cloud Foundation 4.0 Advanced or latest which includes Vsphere Ent+, vSAN Advanced, NSX Advanced, vRealize Suite Enterprise, vRealize Network Insight Advanced and SDDC Manager.</li> <li>2. Licence to cover of the following: VMWare Cloud Foundation Advanced: QTY 4 (Four) nos. VMware Production support (24*7) &amp; subscription: 5 years from the date of commissioning.</li> <li>3. The cloud solution support container format such as Docker for development of container-</li> </ol>	<p><b>VMWare Cloud Foundation Advanced with Production Support (24 * 7 support) &amp; Subscription</b></p> <ol style="list-style-type: none"> <li>1. VMWare Cloud Foundation 4.0 Advanced or latest which includes Vsphere Ent+, vSAN Advanced, NSX Advanced, vRealize Suite Enterprise, vRealize Network Insight Advanced and SDDC Manager.</li> <li>2. Licence to cover of the following: VMWare Cloud Foundation Advanced: QTY 4 (Four) nos. VMware Production support (24*7) &amp; subscription: 5 years from the date of commissioning.</li> <li>3. The cloud solution support</li> </ol>

Srl. No.	Tender Clause Reference	Existing Clause details	Amended to read as
		<p>based applications.</p> <p>4. Licences should be perpetual. The licences should not be tied to the hardware. It should be possible to deploy the licences in a different hardware after the validity of the former hardware has expired.</p> <p>5. All licences and subscriptions should be associated with OIL's ID "vmware_licences@oilindia.in"</p>	<p>container format such as Docker for development of container-based applications.</p> <p>4. Licences should be perpetual. The licences should not be tied to the hardware. It should be possible to deploy the licences in a different hardware after the validity of the former hardware has expired.</p> <p>5. All licences and subscriptions should be associated with OIL's ID "vmware_licences@oilindia.in"</p>
4	Annexure-A, AA Item Sl. No. 40, Clause D 7	<p>In our environment, SQL Server 2016 database is installed &amp; configured with Basic High Availability (2-node single database failover, non-readable secondary) capabilities. The SQL Server database is configured as an SQL Always On failover cluster instance providing high availability. The database has been installed and configured on the existing shared SAN storage. Two server nodes are configured in Windows Server Failover Clustering (WSFC) providing local high availability through redundancy at the server-instance level using a failover cluster instance (FCI). The SQL server nodes are connected to the SAN via iSCSI ports. This SQL Server 2016 Database has to be successfully migrated from the existing SAN to the new SAN storage retaining the original setup. Any configuration changes required at both OS-level and/or SAN Storage level, to re-establish the connectivity between the database and server nodes, shall have to be done by the OEM/Bidder.</p>	<p>In our environment, SQL Server 2016 database is installed &amp; configured with Basic High Availability (2-node single database failover, non-readable secondary) capabilities. The SQL Server database is configured as an SQL Always On failover cluster instance providing high availability. The database has been installed and configured on the existing shared SAN storage. Two server nodes are configured in Windows Server Failover Clustering (WSFC) providing local high availability through redundancy at the server-instance level using a failover cluster instance (FCI). The SQL server nodes are connected to the SAN via iSCSI ports. This SQL Server 2016 Database has to be successfully migrated from the existing SAN to the new SAN storage retaining the original setup. Any configuration changes required at both OS-level and/or SAN Storage level, to re-establish the connectivity between the database and server nodes, shall have to be done by the OEM/Bidder.</p> <p>Volumes available in the existing SAN storage:</p> <p>FC datastore: 37 TB (approx.) iSCSI datastore: 1.3 TB (approx.)</p> <p>iSCSI Volume contains both flat files and raw volumes (<b>refer to the Annexure-VI - revised</b>).</p>

**B) Information/clarification to all bidders against the generic queries received from various parties:**

<b>Tender Clause Reference</b>	<b>Brief of the applicable clause</b>	<b>Query</b>	<b>OIL's Reply / Clarification</b>
Annexure-A, CC, Clause 1.0 & Annexure-B, A.3, Clause 2.0	<p>PPLC Policy as issued by Ministry of Petroleum &amp; Natural Gas, Government of India vide notification no. FP-20013/2/2017-FP-PNG dated 17.11.2020 with amendment, if any shall be applicable</p> <p>As per the policy, the bidder must be incorporated in India and must maintain more than 20% local content (LC) for the offered items to be eligible to bid against this tender.</p>	Requested to waive/amend the clause	<p>The policy is incorporated in the tender as per notification no. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by Ministry of Petroleum &amp; Natural Gas, Government of India. The clause will be applicable to the tender as per Govt. policy in vogue and subsequent amendments, if any. Please be informed that Oil India Limited cannot change applicability/provisions of the aforesaid policy being a Government of India enterprise.</p> <p>It is further clarified that the bidders offering imported products will fall under the category of Non- local suppliers. They can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition. This is in accordance with Notification No. P-45021/102/2019-BE-II-Part(1) (E- 50310) dated 04.03.2021 of Ministry of Commerce &amp; Industry, GoI.</p>

All other terms & conditions of the bid document remain unaltered.

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Amrit Loushon Bora  
Sr. Manager Materials(FD)  
For CGM-Materials(HoD)  
For Resident Chief Executive

## Annexure-VI Existing SAN storage architecture

Existing SAN storage: IBM V3700

**Capacity Allocation:**

RAW capacity: 57.01 TB

Spare capacity: 3.82 TB

Total capacity: 60.83

**RAID configuration:** RAID 5

**Total usable capacity:** 48.81 TB

**Current used capacity:** 28.33 TB

**Hosts and connectivity:**

Hosts	Description	Connectivity
1) Mssql in cluster	Microsoft SQL cluster	iSCSI
2) vmbackup	SAN storage primary backup	FC
3) vmwarecloud	VCF infrastructure	FC

**Type of Data:**

1) Database data

2) VM data

3) SAN storage primary backup data

**VMware Cloud Foundation Connectivity Diagram**

