**Technical Requirements**

**Main site**

**Compute Resources**

**CPU** – Intel Gold 6442Y, Total physical cores – 96.

**RAM** – 1024 GB total.

**Network** – 1 x 2-port 10/25Gb SFP28 OCP card per node.

**FC** – 1 x 2-port 32 Gb/s adapter per node.

**Power** – Redundant power supplies.

**Boot device** – 2 x 240 GB SSD.

**Cabling** – All required components (transceivers, DAC cables) to be included.

**Support** – 3 years 24/7, 4 hours response time. Local spares stock.

**Remote monitoring** – Automatic reporting of hardware failures to manufacturer’s support center.

**Installation** - Physical installation, cabling, labeling, initial startup, configuration and firmware update.

**Bill of materials**

2 P52499-B21 HPE ProLiant DL360 Gen11 8SFF NC Configure-to-order Server

2 P52499-B21 B19 HPE DL360 G11 SFF CTO Server

4 P49599-B21 Intel Xeon-Gold 6442Y 2.6GHz 24-core 225W Processor for HPE

4 P49599-B21 0D1 Factory Integrated

32 P43328-B21 HPE 32GB (1x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit

32 P43328-B21 0D1 Factory Integrated

2 P48895-B21 HPE ProLiant DL360 Gen11 8SFF x1 U.3 Tri-Mode Backplane Kit

2 P48895-B21 0D1 Factory Integrated

4 P40496-B21 HPE 240GB SATA 6G Read Intensive SFF BC Multi Vendor SSD

4 P40496-B21 0D1 Factory Integrated

2 P48899-B21 HPE ProLiant DL360 Gen11 2SFF x4 U.3 BC Tri-Mode Enablement Kit

2 P48899-B21 0D1 Factory Integrated

2 P48901-B21 HPE ProLiant DL360 Gen11 x16 Full Height Riser Kit

2 P48901-B21 0D1 Factory Integrated

2 R2E09A HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter

2 R2E09A 0D1 Factory Integrated

2 P01366-B21 HPE 96W Smart Storage Lithium-ion Battery with 145mm Cable Kit

2 P01366-B21 0D1 Factory Integrated

2 P48918-B21 HPE ProLiant DL360 Gen11 Storage Controller Enablement Cable Kit

2 P48918-B21 0D1 Factory Integrated

2 P58335-B21 HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller

2 P58335-B21 0D1 Factory Integrated

2 P42041-B21 Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

2 P42041-B21 0D1 Factory Integrated

2 P48908-B21 HPE ProLiant DL3X0 Gen11 1U High Performance Fan Kit

2 P48908-B21 0D1 Factory Integrated

4 P38995-B21 HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit

4 P38995-B21 0D1 Factory Integrated

2 BD505A HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features

2 BD505A 0D1 Factory Integrated

2 P48827-B21 HPE ProLiant DL3XX Gen11 OCP1 x16 Enablement Kit

2 P48827-B21 0D1 Factory Integrated

2 P48830-B21 HPE ProLiant DL3XX Gen11 CPU2 to OCP2 x8 Enablement Kit

2 P48830-B21 0D1 Factory Integrated

2 P52416-B21 HPE DL360 Gen11 8SFF x1 TM Cbl Kit

2 P52416-B21 0D1 Factory Integrated

4 P48905-B21 HPE ProLiant DL3XX Gen11 High Performance Heat Sink Kit

4 P48905-B21 0D1 Factory Integrated

2 P52341-B21 HPE ProLiant DL3XX Gen11 Easy Install Rail 3 Kit

2 P52341-B21 0D1 Factory Integrated

2 R7A11AAE HPE GreenLake for Compute Ops Management Enhanced 3-year Upfront ProLiant SaaS

4 Q9S69A HPE 25GbE SFP28 to SFP28 10m Smart Active Optical Cable

1 HA113A1 HPE Installation SVC

2 HA113A1 5A0 HPE Entry 300 Series Install Service

1 HU4A6A3 HPE 3Y Tech Care Essential Service

2 HU4A6A300DJ HPE DL360 Gen11 Support

**Shared Disk Array**

* Disk array should be based on SSD (All Flash) technology. Requirements –

**Space** – 12 TiB usable after RAID 6.

**External ports** – 8 x 16 or 32 Gb/s.

**Redundancy** – Dedicated or distributed hot spare.

**Reliability** – Redundant hardware components.

**Support** – 3 years 24/7, 4 hours response time. Local spares stock.

**Remote monitoring** – Automatic reporting of hardware failures to manufacturer’s support center.

**Installation** - Physical installation, cabling, labeling, initial startup, configuration and firmware update.

**Bill of materials**

1 R0Q80B HPE MSA 2062 16Gb Fibre Channel SFF Storage

8 R0Q47A HPE MSA 1.92TB SAS 12G Read Intensive SFF (2.5in) M2 3yr Wty SSD

8 R0Q47A 0D1 Factory Integrated

2 C8R24B HPE MSA 16Gb Short Wave Fibre Channel SFP+ 4-pack Transceiver

2 C8R24B 0D1 Factory Integrated

1 875519-B21 HPE Bezel Lock Kit

1 875519-B21 0D1 Factory Integrated

8 QK733A HPE Premier Flex LC/LC Multi-mode OM4 2 Fiber 2m Cable

1 HA113A1 HPE Installation SVC

1 HA113A1 5J0 HPE P2000 MSA System Installation SVC

1 HU4A6A3 HPE 3Y Tech Care Essential Service

1 HU4A6A3 ZQB HPE MSA 2062 Support

**Disaster Recovery site**

**Compute resource and storage**

**CPU** – Intel Gold 6442Y, Total physical cores – 48.

**RAM** – 768 GB total.

**Network** – 1 x 2-port 10/25Gb SFP28 OCP card.

**Power** – Redundant power supplies.

**Local storage** – 8 TiB usable after RAID 6, Hot spare.

**Cabling** – All required components (transceivers, DAC cables) to be included.

**Support** – 3 years 24/7, 4 hours response time. Local spares stock.

**Remote monitoring** – Automatic reporting of hardware failures to manufacturer’s support center.

**Installation** - Physical installation, cabling, labeling, initial startup, configuration and firmware update.

**Bill of materials**

1 P52499-B21 HPE ProLiant DL360 Gen11 8SFF NC Configure-to-order Server

1 P52499-B21 B19 HPE DL360 G11 SFF CTO Server

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12 P43331-B21 HPE 64GB (1x64GB) Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit

12 P43331-B21 0D1 Factory Integrated

1 P48895-B21 HPE ProLiant DL360 Gen11 8SFF x1 U.3 Tri-Mode Backplane Kit

1 P48895-B21 0D1 Factory Integrated

6 P40500-B21 HPE 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD

6 P40500-B21 0D1 Factory Integrated

1 P48899-B21 HPE ProLiant DL360 Gen11 2SFF x4 U.3 BC Tri-Mode Enablement Kit

1 P48899-B21 0D1 Factory Integrated

1 P48901-B21 HPE ProLiant DL360 Gen11 x16 Full Height Riser Kit

1 P48901-B21 0D1 Factory Integrated

1 P01366-B21 HPE 96W Smart Storage Lithium-ion Battery with 145mm Cable Kit

1 P01366-B21 0D1 Factory Integrated

1 P48918-B21 HPE ProLiant DL360 Gen11 Storage Controller Enablement Cable Kit

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1 P58335-B21 HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller

1 P58335-B21 0D1 Factory Integrated

1 P42041-B21 Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

1 P42041-B21 0D1 Factory Integrated

1 P48908-B21 HPE ProLiant DL3X0 Gen11 1U High Performance Fan Kit

1 P48908-B21 0D1 Factory Integrated

2 P38995-B21 HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit

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1 P48830-B21 HPE ProLiant DL3XX Gen11 CPU2 to OCP2 x8 Enablement Kit

1 P48830-B21 0D1 Factory Integrated

1 P52416-B21 HPE DL360 Gen11 8SFF x1 TM Cbl Kit

1 P52416-B21 0D1 Factory Integrated

2 P48905-B21 HPE ProLiant DL3XX Gen11 High Performance Heat Sink Kit

2 P48905-B21 0D1 Factory Integrated

1 P52341-B21 HPE ProLiant DL3XX Gen11 Easy Install Rail 3 Kit

1 P52341-B21 0D1 Factory Integrated

1 R7A11AAE HPE GreenLake for Compute Ops Management Enhanced 3-year Upfront ProLiant SaaS

2 844477-B21 HPE 25Gb SFP28 to SFP28 3m Direct Attach Copper Cable

1 HA113A1 HPE Installation SVC

1 HA113A1 5A0 HPE Entry 300 Series Install Service

1 HU4A6A3 HPE 3Y Tech Care Essential Service

1 HU4A6A300DJ HPE DL360 Gen11 Support

**General Requirements**

· İştirakçı bu layihə üçün təqdim etdiyi məhsullar üzrə İstehsalçının Avtorizasiya Formasını (MAF) təqdim etməlidir;

· İştirakçı Azərbaycan Respublikasında qeydiyyatdan keçmiş hüquqi şəxs və ya fərdi sahibkar olmalıdır;

· İştirakçı Xidmət üzrə ən azı 3 (üç) il təcrübəyə malik olmalı və Xidmət üzrə ən azı 3 (üç) müştərisi və/və ya layihəsi olmalıdır;

· İştirakçı Xidmət üzrə gördüyü işlər və əvvəllər icra etdiyi layihələrlə bağlı müştəriləri tərəfindən referanslar təqdim edə bilməlidir;

· İştirakçı tələbləri özü icra etməli və üçüncü şəxslərə həvalə etməməlidir;

· İştirakçı Tender Şərtləri toplusunda olan, forma, şərtlər, spesifikasiyalar və digər bütün məlumatlarla ətraflı tanış olmalıdır. Qeyri-dəqiq və ya tamam olmayan tender təklifi vermək İştirakçının öz məsuliyyətindədir və bu təklifin qəbul edilməməsinə səbəb ola bilər;

· İştirakçı elan olunmuş istiqamətdə təsdiq edici sertifikatlara malik olmalıdıla.