



# REQUEST FOR PROPOSAL

---

**Hyper-Converged Infrastructure Solution**

**19<sup>th</sup> Nov, 2021**

## Table of Contents

TPL TRAKKER PROFILE AND SERVICES:.....	2
PURPOSE: .....	3
SCOPE:.....	3
AWARD CRITERIA: .....	3
RFP CONTACT:.....	4
RFP RESPONSE FORMAT: .....	4
TIMEFRAME AND KEY DATES:.....	5
Hyper Converged Infrastructure Specifications:.....	5
Hyper Converged Infrastructure Features: .....	5
Hyper Converged Infrastructure Requirements: .....	6
Training: .....	6

## **TPL TRAKKER PROFILE AND SERVICES:**

TPL Trakker Limited started as a joint venture with Digicore; has been the industry leader for innovative solutions backed by technology for the last 16 years. It has been winning the 'Brands of the Year Award' consecutively from 2007 to 2014 in the "Vehicle Tracking & Security" category. TPL Trakker is truly a regional player with operations in Pakistan, UAE, Bangladesh, Afghanistan and Qatar with over 150,000 units installed, establishing a distinctive market presence.

TPL Trakker Limited is a turnkey solutions provider having car tracking units, software, operational know how, deployment, data evaluation, consultancy and project management acumen. With an elite team of experts in tracking, TPL Trakker is committed to provide customers with modified solutions including Stolen Vehicle Services, Fleet Management Solutions, Safe Transport Environment Project, Trakker NAV, Personal Tracking, & e-Solutions. With these superior quality services, TPL Trakker assures to provide you with all kind of solutions that can help you live a better life.

Our business is to supply superior GPS tracking along with GSM & Satellite Mobile Asset Tracking, Management and Information Solutions. We work in partnership with our customers to develop solutions that deliver measurable business and operational benefits by providing total visibility and control of mobile assets and work forces.

TPL Provides following Solutions:

- ➔ Vehicle Tracking Solution.
- ➔ Portfolio Management.
- ➔ Trakker NAV.
- ➔ TPL Maps.
- ➔ Container Mapping.
- ➔ Personal Tracking.

### **PURPOSE:**

The purpose of this Request for Proposal (RFP) is to contract with a qualified firm which can provide, install, deploy and configure Hyper Converged Solution in accordance with latest technology being used in the market.

### **SCOPE:**

TPL intends to procure latest technology equipment for their Infrastructure, which includes Hyper Converged Infrastructure Solution and VMware Licenses. All the necessary Licenses, software and hardware must also be proposed with the Solution. No component whatsoever would be provided by TPL. Both HCI and VMware Licenses should be with single vendor with Three year principal backed OEM support for software and 3 year for Hardware along with local support.

### **AWARD CRITERIA:**

Enter the criteria that will be used to determine the award.

Criteria #1 – 100% Compliant Technical Solution with lowest bid price.

Criteria #2 – Country-Wide Local Certified Team and OEM Support Available.

## RFP CONTACT:

Owais Shahid Khan & Fahad Iftikhar Khan will be the sole contact for this RFP. Communication with any other TPL TRAKKER employee or consultant during the RFP period is not permitted, and may result in your company being disqualified from the evaluation process. Any and all questions relating to the content, timeline, or requirements outlined in this RFP, as well as the associated proposals, should be made only via email to: Owais Shahid Khan [owais.shahid@tplcorp.com](mailto:owais.shahid@tplcorp.com) and Fahad Iftikhar Khan [fahad.iftikhar@tplcorp.com](mailto:fahad.iftikhar@tplcorp.com)

TPL TRAKKER LIMITED will help clarify any issues or questions regarding this RFP. It is the vendor's responsibility to seek this clarification.

## RFP RESPONSE FORMAT:

Proposals submitted in response to this RFP are to be sent in a Word document or Adobe PDF format as an attachment to an email to: Owais Shahid Khan [owais.shahid@tplcorp.com](mailto:owais.shahid@tplcorp.com) & Fahad Iftikhar Khan [fahad.iftikhar@tplcorp.com](mailto:fahad.iftikhar@tplcorp.com). Also, hardcopies of the proposal are required, 1 original and 1 copy. Proposals must be submitted in sealed envelopes clearly marked "Hyper Converged Solution & VMware Licenses", the name of the supplier, and either "Original" or "Copy," as applicable, on the outside of the envelope.

Proposals are to be addressed as follows:

**Company Name:** TPL TRAKKER LIMITED

**Company Address:** Corporate Office

12th Floor, Centrepoint,  
Off Shaheed-e-Millat Expressway,  
Adjacent KPT Interchange, Karachi

**Postal Code:** 74900

**Attention:** Mr. Owais Shahid Khan & Fahad Iftikhar Khan

**Email Address:** [owais.shahid@tplcorp.com](mailto:owais.shahid@tplcorp.com)

**Email Address:** [fahad.iftikhar@tplcorp.com](mailto:fahad.iftikhar@tplcorp.com)

## TIMEFRAME AND KEY DATES:

Activity	Date
RFP Issued	19 <sup>th</sup> Nov, 2021
Vendor RFP Questions Due (via Email Only)	23 <sup>rd</sup> Nov, 2021
Vendor RFP Responses Due	25 <sup>th</sup> Nov, 2021
Proposal Evaluation	29 <sup>th</sup> Nov, 2021
Vendor(s) Negotiations	8 <sup>th</sup> Dec, 2021
Award Notification(s)	13 <sup>th</sup> Dec, 2021

### Hyper Converged Infrastructure Specifications:

HCI is currently undergoing tremendous growth, accelerated by access to value-added features and applications only HCI can provide. Additionally, the cost benefits of converging hardware are adding to the rapid acceptance of this technology.

#### HCI Features:

- **VMware Integration** – Standardized on VMware vSphere providing ease of management and powered by industry-leading VMware vSAN
- **Consolidation with Scalability** – Starts small and scales non-disruptively with single node upgrades reducing data center footprint and Capex
- **Industry-Leading Reliability** – Jointly engineered and integrated by HPE and VMware with a single support number for both hardware and software
- **High-Performance** – Flash speed at hybrid prices and kernel integrated data services to make the most efficient use of resources
- **Flexible Applications** – Broad applicability across use cases, including enterprise ROBO, mid-market workload consolidation, VDI and more
- **Addresses Any Use Case** – With highly configurable options based on HPE servers, you have the flexibility to choose appliance that is best for need.
- **Monitoring** - Solution must possess Real-time silent monitoring.
- **Scalability** – The Solution must possess scalability to extend resources as per demand.

- **High Availability** – Solution must provide multiple Server clusters for redundant high availability.
- **Cost Effective** – Solution must be cost effective.

### HCI Requirements:

Module Name	Option Name	Qty
<b>Dell Networking S4128 - [AS-S4128]</b>		<b>2</b>
Base	Dell EMC Switch S4128F-ON, 1U, PHY-less, 28 x 10GbE SFP+, 2 x QSFP28, IO to PSU , 2 PSU, No OS	1
Operating System	OS10 Enterprise, S4128F-ON	1
SFP Transceiver	Dell Networking, Transceiver, 40GbE QSFP+ SR Optics, 850nm Wavelength, 100-150m Reach on OM3/OM4	2
SFP Transceiver	Dell Networking, Transceiver, SFP+, 10GbE, SR, 850nm Wavelength, 300m Reach	12
Power Cords	Jumper Cord - C13/C14, 2M, 250V, 10A (EU, TW, APCC countries except ANZ)	2
Dell Services:Hardware Support	3Yr ProSupport & Mission Critical:(7x24) 4-hour Onsite Service-VN,PK,PH,BN (S4128F)	1
Dell Services:Future Technical Support	Technical Support-VN,PK,PH,BN (S4128F)	1
Dell Services: OS10 Software Support	3 Years ProSupport OS10 Enterprise Software Support-Maintenance	1

Module Name	Option Name	Qty
<b>VxRail P670F/V670F - [APJC_PV670F_49834_VP]</b>		<b>4</b>
Base	VxRail P670F, All Flash	1
Operating System	VxRail Software 7.0.210 Factory Install	1
VxRail configuration	No Transformational License Agreement	1
Chassis Configuration	2.5" Chassis with up to 24 HDDs (SAS/SATA/NVMe), 4x2.5" Rear HDDs (SAS/SATA)	1
Bezel	VxRail 2U Bezel V2	1
Processor	Intel® Xeon® Gold 6348 2.6G, 28C/56T, 11.2GT/s, 42M Cache, Turbo, HT (235W) DDR4-3200	1
Additional Processor	Intel® Xeon® Gold 6348 2.6G, 28C/56T, 11.2GT/s, 42M Cache, Turbo, HT (235W) DDR4-3200	1
Memory DIMM Type and Speed	3200MT/s RDIMMs	1
Memory Capacity	16GB RDIMM, 3200MT/s, Dual Rank	16
Memory Capacity	32GB RDIMM, 3200MT/s, Dual Rank, 16Gb BASE x8	16

Hard Drives	1.6TB Enterprise NVMe Mixed Use AG Drive U.2 Gen4 with carrier	2
Hard Drives	3.84TB SSD SAS Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD,	10
PCIe Riser	VxRail P670F, Riser Config 5, 2A+4B, 2x8FH, 2x16LP	1
OCP 3.0 Network Adapters	Broadcom 57414 Dual Port 10/25GbE SFP28, OCP NIC 3.0	1
Additional Network Cards	Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	1
Trusted Platform Module	No Trusted Platform Module	1
Rack Rails	Ready Rails Sliding Rails With Cable Management Arm	1
Power Supply	Dual, Hot-Plug, Power Supply Fault Tolerant 1100W Redundant (1+1), D, Mixed Mode Titanium	1
Power Cords	Jumper Cord - C13/C14, 2M, 250V, 10A (EU, TW, APCC countries except ANZ)	2
Server Accessories	Fan Foam, HDD 2U	1
Optics & Cables for Network Cards	SFP+ SR Optic, 10GbE, for all SFP+ ports except high temp validation warning cards	4
VMware vSAN Software Licenses	VxRail VMware,vSAN Advanced, 3 Years	2
VxRail HCI System Software Processor	VxRail HCI System Software, A	2
VxRail HCI System Software Capacity Drive	VxRail HCI System Software, Capacity Drive 3.84TB SAS, SSD	10
VxRail HCI System Software Memory	VxRail HCI System Software Memory, 16GB	16
VxRail HCI System Software Memory	VxRail HCI System Software Memory, 32GB	16
VMware vSphere Software Licenses	VxRail VMware vSphere Enterprise Plus for 1 processor, 3 Years	2
Dell Services:Extended Service	6	1
Sftwr Svcs - RP4VM	3Yr ProSupport With Mission Critical Software Support-ACDTS	1
Sftwr Svcs - VMware Vsphere (VI)	ProSupport Mission Critical vSphere Enterprise Plus for 1 Processor Sftwr Spt-Maint, 36 Month(s)	2
Regulatory	PowerEdge R750 CE,CCC and BIS Marking on 2.5" Chassis, APCC	1
SAS/SATA/NVMe Backplane	SAS/SATA/NVMe Capable Backplane	1
RecoverPoint	HCIA RecoverPoint for VMWare for 1 node VT	1
Motherboard	R750 Motherboard	1
Processor Thermal Configuration	Heatsink for 2 CPU configuration (CPU greater than or equal to 165W)	1
Memory Configuration Type	Performance Optimized	1



RAID	C43, No RAID, VxRail P/V 670F	1
RAID/Internal Storage Controllers	PERC HBA355i for 2.5" x24 SAS/SATA chassis	1
Boot optimized storage cards	BOSS-S2 controller card + with 2 M.2 480GB (RAID 1) with Rear 4xBP	1
Embedded Systems Management	iDRAC9, Enterprise 15G	1
Group Manager	iDRAC Group Manager, Disabled	1
Password	iDRAC, Legacy Password	1
Systems Management Upgrades	DHCP, Zero Touch Configuration	1
Fan	Very High Performance Fan x6	1
Quick Sync	No Quick Sync	1
Advanced System Configurations	UEFI BIOS Boot Mode with GPT Partition, No Energy Star	1
Luggage Tag	P670F Luggage Tag	1
Rear Storage	4x2.5 Rear Storage	1

### Training:

- 3 Detailed Technical Training/Certification from Authorized training institute for above solution.