

NO: _____

SUPPLEMENTAL/BID BULLETIN NO. 1

TITLE : PROCUREMENT OF HYPER CONVERGED INFRASTRUCTURE SERVER FOR PRIMARY AND DISASTER RECOVERY SITE AND DEDICATED BACKUP INFRASTRUCTURE FOR DSWD-PANTAWID PROGRAMS

ITB NO. : GOP/21-DSWD-045

DATE : 07 DECEMBER 2021

This Supplemental/ Bid Bulletin is issued to all prospective bidders announcing clarifications in the Bidding Documents, to wit:

I. Section VII. Technical Specifications

Particulars	Bidder's Clarifications	DSWD Response
I. Brand New HCI C.2.1. The HCI native deduplication technology must be able to reach at least 3:1 ratio.	Can the bidder propose an HCI technology that has native deduplication and compression capability and not specific to at least 3:1 ratio? Deduplication and compression ratio may vary depending on the type of data.	Yes, as long as the bidder can present any documents that shows that the solution uses deduplication and compression technology. It must show proof from official documentation/ literature.
C.2.2. The HCI must be able to create and/or join existing clusters and manage the whole cluster into a single management console.	Possible to manage thru vCenter but in separate clusters?	Yes, the existing HCI cluster and the new HCI cluster must be managed under a single management console.
C.2.2.1. Must be able to successfully join DSWD Pantawid, NHTO, SAP, SACUP existing cluster of HCI.	<ul style="list-style-type: none"> The HPE Simplivity solution can only connect to the different existing environments? Is the requirement can be successfully joined DSWD's Pantawid, NHTO, SAP, SACUP workloads into existing NHTO cluster? 	
C.2.4.1. Must be able to survive at least 2 disk failures at any given time – Compliance certification must be issued by the manufacturer.	Is it possible to have a functionality of a disk and a node failure at any given time instead?	Yes, as long as it can survive disk failures and node failure at any given time - Compliance certification must be issued by the manufacturer.
II. Backup Solution and a Brand New Enterprise Storage 200TB x 2	What is the usable capacity required by the enterprise storage for the backup solution?	200TB usable capacity is needed for Enterprise storage

units	It says that 200TB is needed for the backup solution but also 100TB raw capacity for the enterprise storage.	
	Enterprise Storage 200TB solution will be included on HPE Simplivity Solution. Due to budget constraints, can the bidder only come up with 320TB usable in total – is this acceptable?	The backup solution is a separate requirement from the HCI hardware and must be complied with separately.
	Can the DSWD provide the complete list of VMs including CPU, Mem and Disk sizes?	Please see Annex “A” for the list of VM and workloads.
	Can the bidder request for workloads inventory to be migrated both for production and DR?	
	Can the DSWD provide the Network and Server Diagrams?	Network and Server Diagrams can only be released to the winning bidder due to security concerns.
	Does the requirement completely refer to a software solution? A replacement to the DSWD’s Atempo Lina “Data Protection Suite”?	Yes, a complete backup software solution, the same as existing or replacement as long as it complies with all the specifications.
	For additional backup support, will “Veeam” be qualified?	Qualification of the solution can only be identified after the post qualification process.
	Is the 200TB usable capacity?	The 200TB should be usable storage capacity.
12. Must include at least 100TB of raw disk space (storage pool) with at least SAS 7.2k rpm or better.	What is the requirement for backup storage, 200TB or 100TB?	The Backup Solution should have at least 200TB usable storage.
III. Enterprise Switches 1. Enterprise-grade top-of-the-rack switch	What is the speed and type of uplink going to the Production/DR core switch?	10GB fiber switch, uplink 10GB but capable of 40GB.
	Can DSWD provide a layer 2 switch for management port purposes such as ILO, etc.?	One management switch per site. No. of nodes should be able to accommodate all of the needed ports of the solution.
5.1. Throughput \geq 1070 Mbps	<ul style="list-style-type: none"> Can the throughput be relaxed from 1070 to 940 Mbps? 	<ul style="list-style-type: none"> Yes, minimum throughput can be at least 940Mbps.

	<ul style="list-style-type: none"> • How many units in total? 	<ul style="list-style-type: none"> • Four switches, two per locations.
IV. Network Attached Storage	<ul style="list-style-type: none"> • Can the NAS form factor be rack-type instead of tower-type? • Will this be 2 units? Prod and DR site? 	<ul style="list-style-type: none"> • Rack mount is required. • Yes, one for each location.
	Is 100TB usable capacity and if the bidder can propose using higher capacity drive instead of 4TB and 8TB?	The Network Attached Storage should have at least 100TB usable storage. Higher capacity drive can be provided as long as it meets the requirements.
V. Application Load Balancer Solution	How many units for PROD and DR?	Two (2) units, one (1) per location.
VII. Training and Knowledge Transfer x10 Pax 1. The service provider must provide Training for 3 DSWD hyper-converged formal training, 3 CCNA formal training for at least 4 administrators and 10 knowledge transfer for all other components.	Can the bidder offer HCIA formal training since it is the equivalent and designed training for the brand solution the bidder are offering instead of CCNA?	Yes, either CCNA or equivalent training.
XII. Post Qualification Technical Testing 1. Primary Site: Must be able to Join the existing NHTO/DSWD cluster without downtime and reconfiguration	May the bidder copy the same set up and configuration of DSWD's existing NHTO in our lab then join to the bidder's proposed solutions? To be able to avoid any production disruption from the DSWD.	For the post qualification, the bidder may opt to simulate a similar setup to the existing DSWD Setup. Please refer to the details below for pertinent information: <ul style="list-style-type: none"> • Nutanix (19FM6J420089) • 3 nodes setup • VMware ESXi, 6.7.0, 8169922 • Model: NX-TDT-4NL3- G6'
9. Must be able to execute and meet prescribed DSWD RPO and RTO	There is a conflict between SLA (replication and failover of DR solutions) and Post Qualification No. 9, on the RPO and TRO. What is the correct required RPO and RTO for the backup and replication?	<ul style="list-style-type: none"> • Must be able to execute and meet prescribed DSWD RPO and RTO: • Operational Restore <ul style="list-style-type: none"> ○ Recovery Point Objective (RPO) of twelve (12) hours ○ Recovery Time Objective (RTO) of twelve (12) hours • Site Recovery

		<ul style="list-style-type: none"> ○ Recovery Point Objective (RPO) of one (1) hour ○ Recovery Time Objective (RTO) of three (3) hours
--	--	--

II. Other Requirements

Particulars	Bidder's Clarifications	DSWD Response
LOT 2 – Disaster Recovery, Replication and Failover Solution Software	What is the target infrastructure for Lot No. 2?	The solution will target the VMs that would be hosted in Lot No. 1.
Eligibility Requirements	Some of the bidder's principals who will issue certificates required in the Bidding Documents are outside the Philippines, and they cannot dispense hard copy due to restricted movement order in their countries, will the DSWD accept certificate with electronic signatures?	Yes, the DSWD can honor the electronic signature provided that it can be verified, that the certificate came from the Principal via their email domain, PKI certificate or other means of verification.

ANNEX A – LIST OF VMs AND WORKLOADS

VM	CPU_v	RAM_GB	Provisioned Space_GB	Used Space_GB
VM-1	8	8	500	24.13
VM-2	8	8	90	4.93
VM-3	4	16	600	90.17
VM-4	4	16	600	90.17
VM-5	4	16	100	64.64
VM-6	4	16	100	64.64
VM-7	8	16	200	116.18
VM-8	8	8	200	111.11
VM-9	8	32	130	2
VM-10	8	16	100	27.95
VM-11	4	8	5430	3560
VM-12	4	16	500	67.84
VM-13	16	16	1290	1160
VM-14	16	48	1570	52.23

VM-15	12	12	1200	919.11
VM-16	8	8	500	63.1
VM-17	16	16	2050	1420
VM-18	12	24	200	156.26
VM-19	8	24	350	218.28
VM-20	16	24	300	63.05
VM-21	8	24	350	246.34
VM-22	16	64	1,000	11.46
VM-23	8	8	1120	1090
VM-24	8	12	620	77.84
VM-25	8	8	1070	347.51
VM-26	32	64	1070	948.35
VM-27	8	8	280	2.01
VM-28	32	32	1950	527.95
VM-29	8	16	500	1.83
VM-30	8	16	500	33.96
VM-31	4	4	60	53.24
VM-32	8	8	100	94.16
VM-33	8	16	348.11	309.01
VM-34	8	16	348.11	309.71
VM-35	8	16	220	25.94
VM-36	4	4	500	29.45
VM-37	4	4	348.11	286.16
VM-38	4	4	200	142.87
VM-39	32	64	3760	3370
VM-40	12	12	3760	3290
VM-41	12	12	3760	3290
VM-42	12	12	3760	3300
VM-43	32	100	3760	3290
VM-44	32	32	3760	1490
VM-45	4	8	1340	667.91
VM-46	8	12	1060	29.42
VM-47	32	64	4060	3370
VM-48	16	32	4560	2700

VM-49	16	32	4560	2700
VM-50	8	16	7250	3200
VM-51	8	8	348.11	291.34
VM-52	16	24	250	92.02
VM-53	16	24	100	92.59
VM-54	8	8	100	96.1
VM-55	20	48	450	25.08
VM-56	8	16	680	20.91
VM-57	12	32	140	133.8
VM-58	8	8	140	8.24
VM-59	8	12	1060	19.52
VM-60	8	8	1060	19.83
VM-61	12	24	348.11	287.69
VM-62	4	4	90	4.49
VM-63	4	4	90	4.07
VM-64	4	4	40	2.4
VM-65	4	4	40	2.33
VM-66	8	8	130	5.7
VM-67	8	8	130	5.42
VM-68	12	16	40	4.95
VM-69	12	16	40	3.39
VM-70	16	64	1090	7.67
VM-71	8	12	170	90.82
VM-72	8	8	3760	2790
	788	0	69110	40020

Note: All other requests/issues raised by the prospective bidders during the Pre-Bid Conference and/or received thru email (bacsec@dswd.gov.ph) or in writing, are hereby not granted per End-user's assessment. Hence, all other specifications, terms and conditions in the Bidding Documents not stated above shall remain and no changes.

III. Deadline for the Submission and Receipt of Bids

The schedule for the deadline for the submission and receipt of bids is moved from 08 December 2021 to **15 December 2021 at 09:00 AM**. Bids must be delivered to the BAC Secretariat Office, 2nd Floor, Mahusay Building, DSWD Central Office, IBP Road, Constitution Hills, Quezon City. **Late Bids will not be accepted.**

The Bid Opening will immediately follow after the deadline of submission and receipt of bids, to be held at the Procurement Management Service Conference Room, 2nd Floor, Mahusay Building, DSWD Central Office, IBP Road, Constitution Hills, Quezon City.

IV. Issuance of Bidding Documents

The issuance of bidding documents is extended until **15 December 2021** at **08:00 AM**.

This Bid Bulletin shall form part of the bidding documents.

Please be guided accordingly.

(Original Signed)
NOEL M. MACALALAD
*Assistant Secretary and
Chairperson, Bids and Awards Committee*

Please accomplish the portion below and send it to facsimile no. (02) 951-7116 or email at bacsec@dswd.gov.ph.

RECEIVED BY : _____ **DATE:** _____
(SIGNATURE OVER PRINTED NAME)
DESIGNATION : _____
COMPANY : _____