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SUPPLEMENTAL/BID BULLETIN NO. 1

TITLE : PROCUREMENT OF HYPER CONVERGED INFRASTRUCTURE SERVER FOR NHTO AND SOCIAL AMELIORATION PROGRAM
ITB NO. : GOP/21-DSWD-026
DATE : 15 NOVEMBER 2021

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

I. Section III. Bid Data Sheet
A. Changes

Particulars	From	To
ITB Clause 5.3.	a. Procurement of Service Provider of Subscription to Upfront Provisioning of a Complete Hyper Converged Infrastructures Platform Solution for other Critical Information Systems and Other Services	a. Procurement or Supply and delivery of Hyper Converged Infrastructure (HCI) OR Managed Services related to deployment or use of HCI OR Subscription Services related to deployment or use of HCI
ITB Clause 20.1.	<ul style="list-style-type: none"> Service Providers must provide at least two (2) installed based customer references from any government offices for site visit during post qualification. 	<ul style="list-style-type: none"> Service Provider must provide at least one (1) government or private installed based customer references for site visit during post qualification.
POST QUALIFICATION TESTING	7. Must be able to execute disaster recovery testing with no impact on the following: <ul style="list-style-type: none"> No production impacts No VMs Shutdown Recovery automations for failover, failback and migration 	< delete >
	9. Must be able to execute and meet: <ul style="list-style-type: none"> Recovery Point Objective (RPO) of thirty (30) minutes Recovery Time Objective (RTO) of three (3) hours 	9. Must be able to execute and meet prescribe 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) hour Site Recovery <ul style="list-style-type: none"> Recovery Point

		<p>Objective (RPO) of one (1) hour</p> <ul style="list-style-type: none"> Recovery Time Objective (RTO) of three (3) hours
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B. Clarifications

Particulars	Bidder's Clarifications	DSWD Response
<p>ITB Clause 5.3.</p> <p>For this purpose, contracts similar to the Project shall be:</p> <p>a. xxx</p> <p>b. Completed within five (5) years prior to the deadline for the submission and receipt of bids.</p>	<p>For the Single Largest Completed Contract, may we confirm if projects completed from November 17, 2016 until the date of bid submission are valid?</p>	<p>At least not more than five years from the time of bid opening.</p>
<p>ITB Clause 20.1.</p> <p>POST QUALIFICATION TESTING</p> <p>1. Primary Site: Must be able to Join the existing NHTO/DSWD cluster without downtime and reconfiguration</p>	<ul style="list-style-type: none"> May the bidder request to copy the same setup and configuration of the DSWD existing NHTO in the bidder's ur lab/DSWD Cluster then join to the bidder's proposed solutions? To be able to avoid any production disruption from the DSWD's end. 	<p>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:</p> <ul style="list-style-type: none"> Nutanix (19FM6J420089) 3 nodes setup VMware ESXi, 6.7.0, 8169922 Model: NX-TDT-4NL3-G6
<p>8. Must be able to execute backup restore easily with few steps</p> <ul style="list-style-type: none"> at most 3 step procedures Must be able to execute journal file level restore 	<ul style="list-style-type: none"> May the DSWD confirm if it should be 3-5 step procedures or at most 3 step procedures? May the DSWD confirm if journal is equivalent to indexing and if the backup is VM level? 	<ul style="list-style-type: none"> Backup restore can be a maximum of 5 step procedures. Yes, indexing is same as journal and backup is VM level.
<p>Various Certifications for Post Qualifications</p>	<ul style="list-style-type: none"> Some of the Principals who will issue certificates required in the TOR are outside the Philippines, they cannot dispense hard copy due to restricted movement order in their countries, will the DSWD accept certificates with electronic signatures? 	<ul style="list-style-type: none"> Yes, the DSWD can honor the electronic signature, provided that DSWD can verify the certificate came from the Principal via their email domain, PKI certificate or other means of verification.

II. Section VI. Schedule of Requirements

Particulars	Bidder's Clarifications	DSWD Response
Project Implementation: The awarded bidder must supply, deliver and install the Hyper Converged Infrastructure Server for NHTO and Social Amelioration Program on or before December 31, 2021.	Is it possible to extend the delivery timeline requirement?	Per DSWD Finance and Management Service-Budget Division, all deliverables of the project must be received by December 31, 2021 and payment may be made until March 2022.
Delivery of ICT Equipment and other Solution Services on DSWD CO and DR site.	Where is the DR site of DSWD since the delivery of the site is part of the timeline as the basis of the payment?	DR is still being procured, Target location is at least 40KM away from Central Office, this could be in FO III. Most probably in either Clark or Subic, in case that the DR is not yet procured during implementation, the equipment will be deployed and hosted in the Central Office. In such cases where the DR is identified, the winning bidder must assist in the redeployment for the DR site.

III. Section VII. Technical Specifications

A. Changes

Particulars	From	To
Enterprise Storage	8. Must be capable of supporting RAID configuration a. Support for RAID 1, 5, 6, 10 b. xxx	8. Must be capable of supporting RAID configuration a. Support for RAID 5, 6, 10 b. xxx
POST QUALIFICATION TECHNICAL TESTING	7. Must be able to execute disaster recovery testing with no impact on the following: <ul style="list-style-type: none"> No production impacts No VMs Shutdown Recovery automations for failover, failback and migration 	< delete >
5. MAINTENANCE AND TECHNICAL SUPPORT	5.1 During the subscription period, service level agreement of 30 mins of RPO and 1 hour of RTO for the replication solution must be provided and strictly observed.	< delete >

B. Clarifications

Particulars	Bidder's Clarifications	DSWD Response
1.A.b.i. 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.
1.A.d. The HCI must be able to create and join existing clusters and manage the whole cluster into a single management console.	Can the DSWD provide the serial number of the existing equipment?	The existing DSWD equipment has the following information: <ul style="list-style-type: none"> - Nutanix (19FM6J420089) (3 Nodes Cluster) - VMware ESXi, 6.7.0, 8169922 <ul style="list-style-type: none"> ● Node1: HM18BS011708 /4108 ● Node2: HM191S001926 / 4108 ● Node3: VM18BS00148 / 4108
	Can the DSWD provide the inventory of existing networking switches where the new HCI nodes and storage will connect? Include number of available ports, interface type (SFP+ or Base-T), port speed, switch model and firmware version if available.	Supplier may re-use the existing switch available at DSWD but in case that the available switches are not enough, the supplier must provide additional switch to ensure that the project is completed <ul style="list-style-type: none"> - Existing DSWD Switch <ul style="list-style-type: none"> ● Model: Huawei CE6851-48S6Q-HI and Alcatel OS6900-X72 ● Available Slots: 10 slots ● must include SFP+ and patch cables
1.A.j. Must include all needed components such as switches, cables, SFP+, etc., as part of the solution	It was mentioned that all components such as switches and others must be included; the switches here are the Top-of-rack switches? Is it required to be redundant? What would be the interface and speed of the existing core/server farm switch that we will connect to? Does the bidder need to include the SFP of the existing switches?	Supplier may re-use the existing switch available at DSWD but in case that the available switches are not enough, the supplier must provide additional switch to ensure that the project is completed. <ul style="list-style-type: none"> - Existing DSWD Switch <ul style="list-style-type: none"> ● Model Huawei CE6851-48S6Q-HI and Alcatel OS6900-X72 ● Available slots – 10 Slots ● Must include SFP+ and patch cable
1.A.h. The HCI must be able to Join the existing Cluster of DSWD NHTO -	just to validate what is the expectation on the three existing nodes when joined to this new set-up, must the bidder cover the	The bidder must cover the warranty and maintenance agreement of the existing nutanix nodes.

Compliance certification must be issued by the manufacturer.	warranty and maintenance of the existing Nutanix nodes for 3 years?	
Web Server Implementation: Inside the HCI infrastructure	In page 38, there is a diagram of the web application inside the HCI which has a representation of a load balancer. Is this an existing appliance and will this be positioned logically in front of HCI, may we know the interface requirements on this?	This is for informational purposes only to show the final set-up once fully operational. components shown in this diagram not defined in the project deliverables are not included.
	Are there available Layer 2 switches for management connections of all HCI nodes? Can the DSWD provider the inventory of it?	Supplier may re-use the existing switch available at DSWD but in case that the available switches are not enough, the supplier must provide additional switch to ensure that the project is completed. - Existing DSWD Switch <ul style="list-style-type: none"> • Model: Huawei CE6851-48S6Q-HI and Alcatel OS6900-X72 • Available Slots: 10 slots • must include SPF+ and patch cable
2. Backup Solution with Enterprise Storage with 50TB usable x 2 units	<ul style="list-style-type: none"> • What is the required storage capacity? Is the 50TB indicated usable capacity or raw capacity and what is the RAID configuration? 	Required storage is 50TB usable at RAID 6.
6. TRAININGS	<ul style="list-style-type: none"> • What is the required number of DSWD personnel for the formal training, should it be for 3 pax or 10 pax? • May the DSWD confirm if formal training should be provided for ALL components of the solution (storage, server, software) with YEARLY certification for the duration of Project Warranty? 	<ul style="list-style-type: none"> • Trainings should be provided for at least three (3) systems administrators • The supplier must conduct one (1) Formal Training for each major component of the solution: <ul style="list-style-type: none"> ▪ HCI solution ▪ VM solution ▪ Backup solution ▪ Managed / Top of Rack switch, if provided.
6. Training and Knowledge Transfer x 3 pax	May the bidder know if requirement is referring to knowledge transfer after the implementation?	Yes, this is the formal training or knowledge transfer after implementation.
8. WARRANTY 8.1. The solution should be covered by the warranty on upgrades, patches and services with no additional cost to DSWD if the subscription is active. The warranty period	May the bidder reconfirm that this project is capital outlay or supply and delivery with 3 years' warranty and not subscription?	The solution should be covered by a three (3) years warranty with SLA of 24/7 technical support and part replacement within 4 hours. This is supply and delivery and not subscription.

for and shall commence upon acceptance.		
	May we ask to provide the full list of virtual machines to be backup showing exact versions of OS and DB?	Please see Annex A. Backup List.

ANNEX A - BACKUP LIST

#	Virtual / Physical	Operating System	Application	total Used Size (GB)	Provisioned Size (GB)	Need to Replicate (Y/N)
1	VM	CentOS7	GlusterFS	404.47	620	Y
2	VM	CentOS7	MYSQL	528.97	625.31	Y
3	VM	Ubuntu 18	NDB Management (MYSQL)	280.68	310	Y
4	VM	Ubuntu 18	NDB Datanode (MYSQL)	631.38	660.16	Y
5	VM	Ubuntu 18	NDB Datanode (MYSQL)	621.56	660.13	Y
6	VM	Ubuntu 18	MYSQL	586.03	765.47	Y
7	VM	Ubuntu 18	MYSQL	299.71	310	Y
8	VM	Ubuntu 18	MYSQL	139.07	310	Y
9	VM	Ubuntu 18	MYSQL	390	390	Y
10	VM	CentOS7	NGINX / PHP-FPM	60	60	Y
11	VM	Ubuntu 18	NGINX	26.93	50	Y
12	VM	Ubuntu 18	NGINX	43.43	50	Y
13	VM	Ubuntu 18	NGINX	87.82	97.09	Y
14	VM	Ubuntu 18	NGINX	50	58.21	Y
15	VM	Ubuntu 18	NGINX / PHP-FPM	50.84	88.63	Y
16	VM	Ubuntu 18	NGINX / PHP-FPM	64.11	96.94	Y
17	VM	Ubuntu 18	NGINX / PHP-FPM	65.52	97.25	Y
18	VM	Ubuntu 18	NGINX / PHP-FPM	62.68	95.33	Y
19	VM	CentOS8	HTTPD MYSQL	90	150	Y
20	VM	CentOS7	MYSQL	260	550	Y
21	VM	CentOS7	MYSQL	150	1050	Y
22	VM	CentOS7	MYSQL	550	800	Y
23	VM	CentOS7	HTTPD / MARIADB	10	200	Y
24	VM	CentOS7	NGINX / PHP-FPM	30	120	Y

Note: All other requests/issues raised by the prospective bidders during the Pre-Bid Conference and/or received thru email (bacsec@dswd.gov.ph) 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.

IV. Deadline for the Submission and Receipt of Bids

The schedule for the deadline for the submission and receipt of bids is moved from 17 November 2021 to **22 November 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.

V. Issuance of Bidding Documents

The issuance of bidding documents is extended until **22 November 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 : _____