

**OFFICE OF CHIEF LOAD DESPATCHER, SLDC
ODISHA POWER TRANSMISSION CORPORATION LTD**

TENDER NOTICE No. SLDC-01/2026-27

e- Tender for Procurement of Servers and storage for SLDC, OPTCL.

Chief Load Despatcher, SLDC, OPTCL, GRIDCO Colony, Mancheswar, Bhubaneswar on behalf of OPTCL invites bids in e-tender mode only from reputed eligible bidders for Procurement of Servers and storage for SLDC, OPTCL confirming to the terms and conditions mentioned as follows.

The interested eligible bidders may visit our website www.sldcorissa.org.in on or after **23-04-2026, 14:00 Hrs.** to go through / download the scope of supply and terms and conditions in detail. The techno-commercial bid shall be due on dated **06-05-2026, 17:00 Hrs.**

The interested bidders would be required to enroll themselves on the tender portal www.tenderwizard.com/OPTCL. Complete set of bidding documents are available at www.tenderwizard.com/OPTCL from **23-04-2026, 14:00 Hrs. up to 06-05-2026, 15.00 Hrs.**

Interested bidders may visit SLDC's official website <https://www.sldcorissa.org.in> and www.tenderwizard.com/OPTCL for detail specification.

N.B:- All subsequent addendums/corrigendum to the tender shall be hosted in the SLDC's official website [https:// www.sldcorissa.org.in](https://www.sldcorissa.org.in) and www.tenderwizard.com/OPTCL only.

**Chief Load Despatcher,
SLDC, OPTCL**

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SECTION- I: GENERAL INFORMATION TO BIDDERS

1. SUBMISSION OF BIDS: E-TENDERING PROCESS – GUIDELINES

The prospective bidders are advised to register their user ID, Password, company ID from website www.tenderwizard.com/OPTCL by clicking on hyper link “Register Me”.

The bidder shall submit the bid in Electronic Mode only www.tenderwizard.com/OPTCL. The bidder must ensure that the bids are received in the specified website of the SLDC, OPTCL by the date and time indicated in the Tender notice. Bids submitted by telex/telegram will not be accepted. No request to collect the Bids in physical form will be entertained by the SLDC, OPTCL. The SLDC, OPTCL reserves the right to reject any bid, which is not submitted according to the instruction, stipulated. The participants to the tender should be registered under IT Act 1961 and Chapter V of Finance Act 1994.

- A.** The Bidder must possess Compatible Digital Signature Certificate (DSC) of Class-III.
- B.** Contractors / Vendors / Bidders / Bidders are requested to follow the below steps for registration.
 - i. Click “Register”, fill the online registration form.
 - ii. Pay the amount of Rs. 2360/- online by Debit Card/ Credit Card/ Net Banking. This registration is valid for two years.
 - iii. After successful payment user id will be automatically activated.
- C.** After viewing Tender Notification, if bidder intends to participate in tender, he has to use his e-tendering User Id and Password which has been received after registration and acquisition of DSCs.
- D.** If any Bidder wants to participate in the tender, he will have to follow the instructions given below:
 - i. Insert the PKI (which consist of your Digital Signature Certificate) in your System (Note: Make sure that necessary software of PKI be installed in your system).
 - ii. Click / Double Click to open the Microsoft Internet Explorer (This icon will be located on the Desktop of the computer).
 - iii. Go to Start > Programs > Internet Explorer.
 - iv. Type www.tenderwizard.com/OPTCL in the address bar, to access the Login Screen.
 - v. Enter e-tender User Id and Password, click on “Go”.
 - vi. Click on “Click here to login” for selecting the Digital Signature Certificate.
 - vii. Select the Certificate and enter DSC Password.
 - viii. Re-enter the e-Procurement User Id Password
- E.** To make a request for Tender Document, Bidders will have to follow below mentioned steps.
 - i. Click “Un Applied” to view / apply for new tenders.
 - ii. Click on Request icon for online request.
 - iii. Pay the required tender Processing fee.

Note: For tender processing fee to **K.S.E.D.C Ltd. Bangalore**, the bidder can use various modes of e-payment facility available through Tender wizard portal, i.e by Credit Card, Debit Card, Net Banking.

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- F.** After making the request Bidders will receive the Bid Documents which can be checked and downloaded by following the below steps:
- i. Click to view the tender documents which are received by the user.
 - ii. Tender document screen appears.
- G.** Click “Click here to download” to download the documents. After completing all the formalities Bidders will have to submit the tender and they must take care of following instructions.
- i. Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not
 - ii. Note down / take a print of bid control number once it displayed on the screen
- H.** Competitors bid sheets will be available in the website.
- I.** For any e-tendering assistance, contact help desk number mentioned below.

Bangalore – 080- 40482000

2. MANDATORY ELECTRONIC BANK GUARANTEE (E-BG) THROUGH NESL PLATFORM

- A.** All Bank Guarantees required under this Tender, namely (a) Bid Security (Earnest money Deposit) (b) Performance Security (c) Security against Advance Payment shall be submitted only in the form of Electronic Bank Guarantee (e-BG) issued through National E-Governance Services Limited (NeSL) platform.
- B.** Physical/Paper Bank Guarantees will not be accepted. Any Bid submitted with Physical BG shall be treated as non-responsive and rejected.
- C.** The Bidder shall ensure that the e-BG is issued by any Scheduled Commercial Bank listed on NeSL platform and is delivered electronically to the OPTCL’s official NeSL account : **Name of the Organization/ Beneficiary : Odisha Power Transmission Corporation Limited, NeSL ID: AAAC07873L**
- D.** Procedure for submission:
- i. Bidder / Contractor shall request the issuing bank to create and deliver the e-BG directly to the Employer’s (OPTCL) NeSL ID
 - ii. Upload the e-BG Acknowledgement/Unique Reference Number (URN) against Bid Security / EMD in the Technical bid.
 - iii. The Employer (OPTCL) will verify the e-BG instantly on NeSL portal.
- E.** Format, Amount and validity of e-BGs shall be strictly as per Tender specification.
- F.** No charges towards stamping, verification or amendment of e-BG shall be borne by the Employer. All such charges shall be borne by the Bidder/Contractor.
- G.** In case of amendment/extension, the Contractor shall submit the amended e-BG through NeSL platform only.
- H.** A copy of the e-BG against Bid Security / EMD must be uploaded online with the bid documents. A copy of e-BG against Bid Security / EMD with Unique Reference

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Number (URN) shall also be submitted to the office of Chief General Manager,....., OPTCL, Bhubaneswar- on or before scheduled date & time of opening of Tender

I. Information of Beneficiary required for issuance of Electronic Bank Guarantee (e-BG)

- i. Name of Beneficiary's Representative – UMESH KUMAR GUPTA
- ii. Beneficiary Email ID – cgm.ps@sldcorissa.org.in (Webmail ID pertaining to concerned wing for communication from NeSL)
- iii. Beneficiary Mobile No. –9438907966 (Phone No. pertaining to concerned wing for SMS Alert)
- iv. Beneficiary PAN / UIN – AAACO7873L
- v. Beneficiary Date of Incorporation/Birth – 29-MAR-2004
- vi. Beneficiary Legal Constitution – ODISHA STATE PUBLIC SECTOR UNDERTAKING
- vii. Platform – NeSL

3. THE BIDDING PROCESS & SCHEDULE

a.	Tender Identification no.	SLDC-01/2026-27
b.	Name of the Tender	Procurement of Servers and storage for SLDC, OPTCL.
c.	Type of Bidding	Two-part bidding
d.	Bidder Participation	The interested eligible bidders, must submit their bids for all items of the schedule. The bidders can view the tender documents from website www.sldcorissa.org.in or www.tenderwizard.com/OPTCL free of cost.
e.	Bidding process	<ol style="list-style-type: none"> i. The bids must be submitted online in www.tenderwizard.com/OPTCL site as per the clause 4 "Manners to submit "the bid below. ii. The bids which are not out-rightly rejected as per the clause 3.1 below are then scrutinized for meeting the qualifying criteria. iii. The bidders who qualify as above are then evaluated based on price quote. iv. The Successful Bidder (SB) with Lowest Price (L1) shall address the supply and buyback contract. <p>It is the sole discretion of the purchaser in the interest of SLDC, OPTCL to select L1 bidder, for each of Item, or L1 bidder /H1 bidder for all the items together.</p> <p>e-Reverse Auction is hereby incorporated in the referred tender and is mandatory as mentioned in the Section IV; GCC.</p>
f.	Amendment to Bidding Document	At any time prior to the deadline for submission of the bids, SLDC, OPTCL may amend the bidding document by giving reasonable time and issuing addenda. Any addendum / modification / errata / corrigendum issued shall be part of the bidding document and shall be hosted in

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		SLDC's website/e-tender portal. The bidder shall visit the e-tender portal of OPTCL for any addendum / modification / errata / corrigendum etc.
g.	Withdrawal, substitution, and Modification of Bids	No Bid shall be withdrawn, substituted, or modified after the deadline for submission of bids. However, a Bidder may withdraw, substitute, or modify its Bid under the following situation <ol style="list-style-type: none"> 1. After expiry of the bid validity period as per ITB. 2. Any material changes to the scope of work after submission of bid document. 3. Any material changes in the bidding documents after submission of bid document. 4. If the due date of the submission has been extended by the SLDC, OPTCL after submission of bid document.
h.	Tender Documents	The bidders can view the tender documents from website www.sldcorissa.org.in and the tender portal www.tenderwizard.com/OPTCL free of cost.
i.	Tender Cost	₹ 14,160/- (non-refundable) including GST@18%.
j.	Mode of Payment of Tender cost	The bidders who want to submit bids shall have to pay non-refundable amount of ₹ 14,160/- (Rupees Fourteen Thousand One Hundred Sixty) only including GST @ 18%) towards the tender cost, to be paid online through e-payment gateway link provided in e- tender portal (by using Net Banking, Debit Card or Credit Card/DD/Payment through NEFT/IMPS to account number).
k.	Tender Processing Fee	Tender processing fee of ₹ 5900/- (5000 + GST 18%) through e-Payment mode.
l.	Estimated Bid Value	₹ 1, 05, 84,883/- (Including GST @18%). (Approx.)
m.	Earnest Money Deposit (EMD) in the form of e-BG	₹ 1,05,849/- Bid Security (Earnest money Deposit) shall be submitted only in the form of Electronic Bank Guarantee (e-BG) issued through National E-Governance Services Limited (NeSL) platform. (Please refer Section-1 and Clause-2: MANDATORY ELECTRONIC BANK GUARANTEE (E-BG) THROUGH NESL PLATFORM for detail)
n.	Pre-Bid Meeting	27-04-2026, 11:00 Hrs.
o.	Date and time of commencement of downloading of bidding documents	23-04-2026, 14:00 Hrs.
p.	Last date and time of downloading/closing of bidding documents	06-05-2026, 15:00 Hrs.
q.	Last date and time of submission of bid documents	06-05-2026, 16:00 Hrs.
r.	Techno- Commercial bids Opening	06-05-2026, 17:00 Hrs.

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s.	Price bids Opening	Date: will be intimated later Venue: SLDC, OPTCL, GRIDCO Colony, Mancheswar, Bhubaneswar
t.	Place of Opening of Bids	SLDC, OPTCL, GRIDCO Colony, Mancheswar, Bhubaneswar or online through e-tender portal
u.	Address for communication	Chief Load Despatcher, SLDC, OPTCL, GRIDCO Colony, Mancheswar, Bhubaneswar – 751017 cgm.ps@sldcorissa.org.in

In the event of the date specified for bid receipt, opening being declared as a holiday for purchaser's office, the due date shall be shifted to next immediate working day at the appointed time and place.

4. ELIGIBILITY CRITERIA

The documents uploaded and / or submitted as per the **clause 4. "Manner to submit the bid"** shall form the basis for scrutinizing for Outright Rejection & Qualifying Requirements

4.1 OUT RIGHT REJECTION CRITERIA

The bids shall be summarily rejected if the following requirements are not met.

#	Mandatory Requirement	Supporting Document
1.	Tenders shall be complete in all respects and submitted through e-tender mode and tenders submitted by any other mode shall not be entertained.	Tender/Bid response submission through OPTCL e Tender Portal: www.tenderwizard.com/OPTCL .
2.	The Tenders should be kept valid for a period of 180 days from the date of submission of bids for this the bid form mentioned at Form 1 has to be submitted	FORM-1_Bid Declaration Form
3.	The Tender shall be accompanied by Earnest Money Deposit in the form of e-BG through NeSL of value and mode specified at Section -I; Clause -2 above	Documentary proof of EMD e-BG through NeSL
4.	Tenderer must have submitted the tender paper cost as per the instruction at Clause 2 above	Proof of Tender Paper Cost
5.	Must submit Tender Processing Fee as stated in Section 1 of clause 2	Proof of Tender Processing Fee

4.2 QUALIFYING REQUIREMENTS

Price Evaluation of Techno-commercial Bids shall be taken up only in respect of Bidders who fulfill the Qualifying Requirements.

The bidders should have / possess the following qualifications / experience.

#	Qualifying Requirement	Supporting Document
1.	Experience Criteria: The Bidder should have regularly supplied same or similar Category Products to any Central / State Govt. Organization / PSU / Public Listed Company/reputed private organization for last three (03) Financial years.	Copies of statements of Contract/Purchase Order/Work Order supplied order (having same or similar Category Products) during each of the last three (03) Financial year i.e., FY 2023-24, 2024-25 and 2025-26 duly certified by CA along with relevant documents.
2.	Past Performance: The Bidder should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria: i. Single order of at least 35% of estimated bid	Relevant contract (Contract/Purchase Order/Work Order) copies along with completion certificates/invoice showing execution of work/ Satisfactory Performance certificate issued by Buyer Organization

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#	Qualifying Requirement	Supporting Document
	value; or ii. Two orders of at least 20% each of estimated bid value; or iii. Three orders of at least 15% each of estimated bid value.	
3.	Bidder Turnover i. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be 13.7 Crore. ii. The annual turnover of the bidder in each FY 2022-23, 2023-24 & 2024-25 duly certified by CA	i. Copies of the Bidder's Audited Financial Statement (BS, PL, Auditor's report) for last 3 years FY 2022-23, 2023-24 & 2024-25 with UDIN mentioned. ii. Certificate from the CA indicating the turnover details for the period with UDIN mentioned.
4.	Product Compliance: Compliance of BoQ specification and supporting document	Compliance of BoQ specification as per format for each proposed item along with Product Datasheets.
5.	Certification: The Bidder should be a certified ISO 9001.	Valid ISO 9001 Certification
6.	Service and Support network: i. For all items the bidder must have full-fledged service center in ODISHA equipped with spare stock and certified manpower. ii. Dedicated /toll Free Telephone No. for Service Support: BIDDER and OEM must have Dedicated/toll Free Telephone No. for Service Support. iii. Escalation matrix for Service Support (Bidder & OEM) iv. The bidder must have an office since last 5 years in ODISHA.	Declaration on information of Bidder and OEM Service and Support network
6	General Requirements: All other document required as mentioned in the RFP Section-I; Clause 5	Refer RFP Section-I; Clause 5.1, 5.2 and 5.3 for supporting documents to be submitted as mandatory requirement for eligibility evaluation of the bidder
7	Bid Forms All the Bid forms (Form1 to Form-14) need to be submitted as mandatory requirement for eligibility evaluation of the bidder	Bid forms need to be Duly signed by the authorized signatory, sealed (on company letter head) as per the prescribed format. Also refer RFP Section -I; Clause 4 and Section-V-Bid Forms.

Note: The supporting documents shall be read in line with the relevant sub-clause of the Clause 4: Manner to submit the bid. Also the bidder shall must adhere to the nomenclature of files as mentioned in the clause 4 hereunder.

5. MANNER TO SUBMIT THE BID

5.1 HARD FORM OF DOCUMENTS (IN ORIGINAL):

Timely Submission of the Documents is the sole responsibility of the bidder

The following documents (in hard copies) shall be furnished in original in a sealed envelope in the office of the undersigned on or before the last date and time of submission of tender.

- Documentary proof of payment of Tender Cost through e-payment mode.
- Documentary proof of payment of Tender Processing Fees through e-payment mode.
- Power of Attorney notarized copy for signing the bid document.
- Documentary proof of EMD e-BG through NeSL.

Note: The bid shall be outright rejected, if bidder fails to submit the Proof of EMD e-BG, Proof of

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payment of Tender Cost and Proof of payment of Tender Processing Fees of required amount.

5.2 SCANNED COPIES TO BE UPLOADED IN .PDF FORMAT

All the supporting documents as below are to be signed and scanned, then uploaded in the tenderwizard.com.

Attachment name must be as mentioned as given below

#	ATTACHMENT NAME	DOCUMENT / DESCRIPTION
1	MANDDOC1_EMD eBG	Documentary proof of EMD e-BG through NeSL. (Mandatory Requirement; The bid shall be outright rejected, if bidder fails to submit the EMD e-BG proof)
2	MANDDOC2_Tender cost & Tender processing Fee	Documentary proof of payment of Tender paper cost and tender processing fees through e-payment. (Mandatory Requirement; The bid shall be outright rejected, if bidder fails to submit the proof for Tender paper cost and tender processing fees)
3	DOC1_Experience Criteria	Copies of relevant contracts of having supplied some quantity during each of the Financial year i.e.: FY 2023-24, 2024-25 and 2025-26 as per the eligibility criteria.
4	DOC2_Past Experience	Proof for Past Experience and Project Experience clause as per the eligibility criteria.
5	DOC3_Bidder Turnover	Copies of the Bidder's Audited Financial Statement (BS, PL, Auditor's report) for last 3 years FY 2022-23, 2023-24 & 2024-25 with UDIN mentioned.
6	DOC4_CA Cert on Bidder Turnover	The annual turnover of the bidder in each FY 2022-23, 2023-24 & 2024-25 duly certified by CA
7	DOC5_Firm Detail & PoA	i. Certificate of Incorporation (Bidder shall be a registered company under the company act. 1956 (or amended in company act 2013) ii. Registered Office Address and Principal place of business. iii. Copy of power of attorney of the signatory of the bid to commit the bidder.
8	DOC6_ISO	Valid certificate ISO 9001
9	DOC7_Service and Support network	i. Dedicated /toll Free Telephone No. for Service Support ii. Escalation matrix for Service Support. iii. Office registration detail
10	DOC8_PAN	Photocopy of PAN (Bidder).
11	DOC9_Odisha GST	Odisha GST Registration Certificate (Bidder).
12	DOC10_IT Return	Bidder's IT Return of last 3 Assessment Years (AY ,2023-24 , 2024-25 & 2025-26)
13	FORM-1_Bid Declaration Form	Bid Declaration Form
14	FORM-2_Product Technical Compliance	Duly filled, Signed, Stamped with official stamp on the specification Compliance table as per prescribed format.
15	FORM-3_MAF	Manufacturers Authorization form on prescribed Form-3
16	FORM-5_Bid Forms	Bidder's Information as per prescribed format
17	FORM-6_Deviation and Alternatives	Undertaking regarding Deviation and Alternatives as per prescribed format
18	FORM-7_Certificate of Origin and Eligibility	Declaration regarding Origin and eligibility of the items as per prescribed format
19	FORM-8_Undertating regarding Non-Blacklisting	Undertaking regarding Non-Blacklisting as per prescribed format
20	FORM-9_No Malicious Code	Undertaking on No Embedded Malicious code in proposed Items under scope
21	FORM-10_No Ownership Change	An undertaking that there will be no ownership change for three years from bid submission
22	FORM-11_Declaration on Litigation	Information regarding any current litigation in which the bidder is involved, the parties concerned, and disputed amount; Declaration to be submitted

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#	ATTACHMENT NAME	DOCUMENT / DESCRIPTION
23	FORM-12_Declaration on Tech. Consul. And Guidance.	Declaration to provide technical consultancy and guidance at no extra cost to SLDC, OPTCL for proper configuration and integration with SLDC, OPTCL IT System
24	FORM-13_Product End of Life	Declaration/undertaking mentioning that the proposed product are not obsolete in the market and have at least 5 years' residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
25	FORM-14_Bidder financial standing	Declaration/undertaking mentioning that the bidder is not be under liquidation, court receivership or similar proceedings, should not be bankrupt.

5.3 KEY-IN ON THE SCHEDULES (.XLS) IN THE TENDER PORTAL

Following are the schedules in .XLS format to be downloaded, filled in and uploaded by the Bidder as per the format in the www.tenderwizard.com/OPTCL portal.

1. File Name: Technocommercialsheet.xls

#	Particulars
1.	Bidder's information
2.	Acceptance of Important Terms and Conditions
3.	Outright Rejection Clause
4.	Document to Accompany
5.	Qualification Requirements
4.	Technical Specification Compliance and BoM

2. File Name: PriceSchedule.xls

Price schedules in XLS format to be downloaded, filled in and uploaded by the Bidder as per the format and to be uploaded on the official tender portal of the SLDC, OPTCL: www.tenderwizard.com/OPTCL.

N.B

- 1. Notwithstanding anything stated above, SLDC, OPTCL reserves the right to review the Bidder's capability and capacity to perform the contract at the time of award and reserves the right to accept or reject any or all tenders without assigning any reason thereof.***
- 2. On request, original documents should be produced by the bidder failing which the tender would be deemed unresponsive hence incomplete.***

SECTION- II: INSTRUCTIONS TO BIDDERS

- a. Bidders are expected to fully conversant with the meaning of all the clauses of the Bid document before submitting their tenders. In case of doubt regarding the meaning of any clause the Bidder may ask clarification in writing, before submitting the bid before the due date in much advance, from the Chief Load Despatcher, SLDC, OPTCL, GRIDCO Colony, Mancheswar, Bhubaneswar - 751017, cgm.ps@sldcorissa.org.in. This however, does not entitle the bidder to ask for time beyond due date fixed for techno commercial bid or due date as may be fixed by Purchaser for Financial Bid.
- b. Conditional offers shall not be accepted
- c. The tenderers or their authorized representatives (limited to one person) may be present, at the time of opening the bids.
- d. After opening of the techno-commercial bid if some modification of specification is agreed upon by SLDC, OPTCL the same shall be published in the SLDC website.
- e. If necessary the bidder may be requested to revalidate the tender after expiry of the validity period under the same terms and conditions as per original bid except any change in the delivery period. In such an event, the bidders are free to change any or all conditions of their bids including price at their own risk. If the bidder does not revalidate the tender, the tender shall stand rejected and E.M.D. (E-BG) deposited shall be forfeited.
- f. The bidder's deviations if any should be clearly indicated giving full justifications for such deviation in a separate sheet(s) under Form-6.
- g. Over writing shall be avoided. Erasures and other changes shall bear the dated initial of the person signing the tender along with company seal.
- h. In the event of discrepancy or arithmetical error in the schedule of price, the decision of the Purchaser shall be final and binding on the Bidder.
- i. For evaluation, the price mentioned in words shall be taken if there is any difference in figure and words in the price bid.
- j. The price bids of the technically and otherwise acceptable bids shall only be evaluated. The price bids of others (along with E.M.D. if any) shall be returned to the bidders unopened.

SECTION – III: SCOPE OF WORK

1. OVERVIEW

Based on the declaration/clarification by the OEM, the discontinued server and storage need to be replaced by procurement of the new generation equipment.

As per the datacenter provision, the IT items installed at OPTCL PDC must have under OEM support and cannot be operationalized or co-located without support in the datacenter. Hence new procurement of the server and storage is required at earliest for continuous support from OEM.

Sl.	Scope definition/requirement
1.	Proposed blade servers are to be installed onto the existing blade chassis/enclosure. Bidder to ensure compatibility and to factor required OEM parts/services including firmware updates/upgrades as would be applicable.
2.	Proposed storage to be connected to existing SAN switches. Bidder to ensure compatibility and to factor required OEM parts/services including firmware updates/upgrades as would be applicable.
3.	Proposed virtualization software is to be installed on these newly procured blade servers and newly procured storage. Bidder to factor required OEM SKU/services for installation and integration of the virtualization software.
4.	Bidder to do site survey and supply required quantities of copper and/or fibre patch cords for successful installation of supplied hardware and software.

2. BILL OF MATERIAL

#	ITEM	QTY
1.	Blade Server for existing HPE Synergy 12000 Chassis, 3Y Warranty (Includes firmware upgrades as required for the Synergy 12000)	2 Nos
2.	Virtualization Software per socket with 3Y Subscription	2 Nos
3.	Storage: 10TB usable. (iSCSI / 10G / 3Y Warranty)	1 No

SECTION – IV: GENERAL CONDITIONS OF CONTRACT (GCC)

1. SCOPE OF THE CONTRACT

The Scope of work includes the Supply, Installation, Testing and Commissioning of the SLDC DC infrastructure at OPTCL Datacenter, Bhubaneswar

2. DEFINITION OF TERMS

In writing these General Conditions of Contract, the Specification and bill of quantity, the following works shall have the meanings hereby indicated unless there is something in the subject matter or contract in consistent with such constructions.

- 2.1 “The Purchaser” shall mean the STATE LOAD DESPATCH CENTRE, ODISHA POWER TRANSMISSION CORPORATION LTD or SLDC, OPTCL.
- 2.2 “The Engineer” shall mean the engineers appointed by the Purchaser for the purpose of this contract.
- 2.3 “Purchaser’s representative” shall mean any person or persons, or consulting firm appointed and remunerated by the Purchaser to supervise, inspect, test, and examine workmanship and materials of the equipment to be supplied.
- 2.4 The “Contractor” or “Vendor” shall mean the Bidder whose bid has been accepted by the Purchaser and shall include the Bidders executions, administrator’s successors and permitted agencies.
- 2.5 “IT items” shall mean and include all machineries, apparatus, materials, articles, and services to be provided with respect to items mentioned in schedule of Quantity at Section-III, under the contract by the contractor.
- 2.6 “Contract Price” shall mean the sum named in or calculated in accordance with the provisions of the contract as the “contract price” which shall include packing, forwarding freight, Insurance, Goods and Services Tax and other taxes and duties if applicable.
- 2.7 “General Condition” shall mean these General Condition of Contract/GCC.
- 2.8 “The Specification” shall mean the specification annexed to or issued with the General Conditions and shall include the schedules and drawings attached thereto as well as all samples and pattern, if any.
- 2.9 “Month” shall mean of calendar month.
- 2.10 “Writing” shall include any manuscript, type written printed or other statement reproduced in any visible form and whether under seal or under hand.
- 2.11 “Total” costs shall mean the cost of equipment and material. The cost is inclusive of packing, forwarding and insurance & Freight charges and applicable GST. The GST shall be shown in a separate column item wise alongside the basic price quoted at the applicable rate in tax invoice. The Basic Price and GST thereon shall be for final price.
- 2.12 The “term” contract shall mean & include General Conditions, Specifications, and Schedules, Drawings, form of tender, covering letter, schedule of prices or the final General Condition, any special conditions applying the particular contract, specifications and drawings and agreement to be entered in.
- 2.13 Terms and condition not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act, failing that in the ODISHA General Clauses Act.

3. GUIDELINES FOR THE BIDDER

The Contractor shall examine the instructions to Tenderers, General Conditions of Contract, Specification, the Schedules of Quantity and delivery and rest of the bidding document to satisfy himself as to all terms and conditions and circumstances affecting the contract price. He shall quote price (s) according to his own allowances except as otherwise provided therein will be levied. The purchaser shall not be responsible for any misunderstanding or incorrect information obtained by the contractor other than information given to the contract in writing by the purchaser.

4. PURCHASER'S RIGHT TO ACCEPT/REJECT BIDS:

Under the prevailing circumstances, the purchaser reserves the right to reject any or all the tenders without assigning any reasons whatsoever if it is in the interest of SLDC, OPTCL.

5. RIGHT REGARDING ALTERATION OF QUANTITIES TENDERED.

The Purchaser may alter the quantities of materials/equipment at the time of placing orders.

6. ADDITIONAL QUANTITIES

The vendor shall supply the items on receipt and acceptance of the Purchase order. The initial order will be supplied within the stipulated period. If required, the vendor may be additionally required to supply up to 25% of the initial ordered quantity within six months of the issue of the order without any change in the price and other terms and conditions of the original purchase order. However, purchaser has the right to amend the work order term and condition except the approved additional quantity and price thereof.

7. PATENT RIGHTS

Any dispute arising in respect of copy right act for the equipment supplied or software configured by the vendor and used by the purchaser shall be the responsibility of the vendor and the purchaser in no way shall be held responsible in any form or court of law in this regard.

8. MANNER OF EXECUTION

All equipment supplied under the contract shall be manufactured in the manner set out in the specification and to the reasonable satisfaction of the purchaser. All the IT equipment supplied by the contractor shall be new, unused, and conforming to relevant standards.

9. INSPECTIONS AND TESTING

The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify what inspections and tests the Purchaser requires and where they are to be conducted.

The inspections and tests may be conducted on the premises of the Manufacturer or Supplier at point of dispatch. The Supplier shall provide all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

The Purchaser's right to inspect, tests, and where necessary, reject the Goods after the Goods arrival at Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods" shipment.

The inspection of the Goods shall be carried out to check whether the Goods are in conformity with the technical specifications attached to the contract and shall be in line with the inspection/ test procedures laid down in the Technical Specifications and the General Conditions of Contract. The Purchaser may again test the items after completion of the installation and commissioning at the site of the installation.

10. DELIVERY & INSTALLATION SCHEDULE

Delivery and installation will be at the OPTCL Primary datacenter, Bhubaneswar. Delivery, Installation and Commissioning will be done by the selected bidder through tender as per the term and condition of the work order with no extra cost to the purchaser.

The delivery, installation and commissioning of ***the items is scheduled to be completed within 6(Six) weeks from the date of issue of Purchase Order.***

11. MIGRATION SCOPE

Migration scope under the project will cover the Migration of Data (both application and system Data) from Existing Storage of the SLDC (HPE 3PAR 8400) to new proposed storage (HPE MSA 2070).

12. DELIVERY ADDRESS AND CONSIGNEE

#	Delivery location	Delivery Address	Contact Detail of Consignee
1.	OPTCL PDC	OPTCL Primary Datacenter, Janpath, PS: Sahidnagar, PO: Bhoinagar, Bhubaneswar, PIN-751022	Ms. Pankajini Samal, DM (IT) Contact: 9438908253 Email: it.psamal@optcl.co.in

13. MANUALS AND DRAWINGS

The supplier shall provide OEM supplied user manuals, software drivers accompanying CD/DVD, Drawings.

14. DOCUMENTATION

The Supplier shall provide complete and legal documentation of all IT equipment and the associated software. The supplier shall also indemnify the purchaser against any levies/penalties on account of any default in this regard.

15. SUCCESSFUL INSTALLATION

The installation and commissioning of the items will be deemed complete only when the installation certificate is signed by the consignee of the items / user of the item.

In the event of the IT items of the Contract fails to be fully operational at the time of installation, a period not exceeding **ten days** will be given to rectify the defects and clear the installation, failing which the Purchaser reserves the rights to get the equipment replaced by the Supplier at no extra cost to the Purchaser.

16. SUPPLIER'S OBLIGATIONS

- (i) The Supplier is obliged to work closely with the Purchaser's staff, act within its own authority and abide by directives issued by the Purchaser during implementation activities.
- (ii) The Supplier will abide by the job safety measures prevalent in India and will free the Purchaser from all demands or responsibilities arising from accidents or loss of life during installation and commissioning activities. The Supplier will pay all indemnities arising from such incidents and will not hold the Purchaser responsible or obligated.
- (iii) The Supplier is responsible for managing the activities of its personnel or sub-contracted personnel and will hold itself responsible for any misdemeanors.
- (iv) The Supplier will treat as confidential all data and information during the execution of his responsibilities and will not reveal such information to any other party without the prior written approval of the Purchaser.

17. SITE PREPARATIONS

The Purchaser is solely responsible for providing the storage, installation and

commissioning site for the installation of IT items, compliance with the technical and environmental specifications defined by the Supplier.

18. CONTRACT'S DEFAULT LIABILITY

The Purchaser may, after 7 days of serving written notice of default by the supplier, terminate the contract in circumstances detailed here under.

- a. If in the judgment of the Purchaser, the supplier fails to make delivery of equipment / material within the time specified in the contract or within the period for which extension has been granted by the Purchaser in writing in response to written request of the supplier.
- b. If in the judgment of the Purchaser, the supplier fails to comply with any of the provisions of this contract.

19. REJECTION OF MATERIALS

In the event on any of the materials/ equipment supplied by the contractor is found defective in materials or workmanship or otherwise not in conformity with the requirements of the contract specification, the purchaser shall reject the materials/equipment and request the contractor in writing to rectify the same. The contractor on receipt of such notification shall either rectify or replace the defective equipment free of cost to the purchaser. If the contractor fails to do so within 30 days of written notice, the purchaser may

- (i) At its option replace or rectify such defective equipment and recover the extra costs so involved from the contractor and/or
- (ii) Terminate the contract for balance work/supplies, with enforcement of penalty as per contract.
- (iii) Acquires the affected equipment/materials and services at reduced price considered equitable under the circumstances.

The contractor shall not be allowed any extension in contract completion period due to time taken to replenish the rejected material/work.

20. EXTENSION OF TIME

If the delivery of equipment/materials is delayed due to reasons beyond the control of the contractor, the contractor shall without delay give notice to the purchaser in writing of his claim for an extension of time. The purchaser on receipt of such notice may agree to extend the contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract.

21. WARRANTY

All the SLDC DC Items under the scope will have **3 years comprehensive (including Spares-Parts/Service/Labour/On-site) OEM warranty** from the date of installation of the same. This warranty shall remain **valid for sixty (36) months after the Goods**, 100% inspected, have been delivered, commissioned at the final destination or 38 months from the date of 100% delivery whichever is earlier. **Warranty certificate shall be issued by the OEM.**

22. SERVICE LEVEL MAINTENANCE SCOPE DURING WARRANTY PERIOD

During the warranty period, following maintenance scope will be covered

- i. Supply & Maintenance of all the items including re-installation of System Software, drivers, firmware incase gets corrupted.
- ii. Free maintenance services including spares shall be provided during the period of warranty. Accomplishment of proactive and breakdown maintenance activities.
- iii. OEM Must have 24*7*365 days onsite/telephonic support system facility, **response time against any complain/query should not beyond 4 hours, resolution time for any nature of problem related to server and storage should not beyond 24 hours.** Toll free number for above kind of support

must be submitted. Each and every component of the supplied items should have an on-site comprehensive 24x7x365 days warranty for the period of 36 months. No parts, accessories, licenses of the systems should be excluded from such warranty.

- iv. Mean time between failures (MTBF): If during the warranty period, **server and storage fails four or more occasions in a period of less than three months or six times in less than twelve months**, it shall be replaced by equivalent or better configured and robust new server/ Storage by the Bidder/OEM at no cost to the SLDC, OPTCL during warranty period.
- v. The Uptime commitment of **99.98% monthly** is a must on all the equipment commencing from the date of installation and commissioning. The uptime will be calculated as, ***Uptime (%) = ((Sum of total hours during the month - Sum of downtime hours during the month) X 100) / Sum of total hours during the month*** ***Total hours during the month = No. of working days x 24 hours***
- vi. The Bidder should have a back-to-back arrangement with the OEM so that the purchaser will be able to log a call with the OEM directly for the warranty period of 36 months.
- vii. The bidder will be fully responsible for getting support from OEM in respect of each and every Hardware part, Software, Licenses, and technical support for the equipment mentioned in this tender. In case the bidder fails to provide the support, OEM has to provide technical support for the warranty period mentioned in the contract. Bidder has to attach a confirmation letter from the OEM.
- viii. For any delay in delivery of replacement of faulty parts during the inspection, commissioning of the systems, or for acceptance tests/checks, OPTCL have right to charge a price reduction.
- ix. The OEM/Bidder should be well equipped and located to honor 4 hours of response time in case of failures.

23. PRICE

- i. Bidders are requested to quote their FIRM price only for each individual item covered under schedule of requirement. No price variation shall be entertained at any time during the contract period.
- ii. All prices quoted must be firm and **valid for 180 days** from the date of opening of the commercial bid.
- iii. All prices quoted shall not be affected by any escalation in prices of labor or materials, machinery, equipment, etc. or in rupee exchange rate during the price validity period whatsoever. However, duties, levies, or taxes in respect of finished products will be at the rate prevalent at the time of delivery. In cases where the prices offered are included in basic product, the same should be mentioned against all those specific items.
- iv. The prices shall be FOR Destination only at the consignees' store(s) inclusive of packing, forwarding, freight and insurance. In addition, the breakup of destination price shall be given as per **Price Bid Form (Form 4) in Section - V**.
- v. Wherever the issue of foreign exchange is involved due to import of materials from a country other than India, the same shall be paid by the vendor. Import License, marine freight, insurance, customs duty, surcharge, port handling and clearing charges etc. all shall be vendors account and purchasers shall not be responsible in any way in this regard. All such costs shall be presumed to have been included in unit prices under Price Bid Form (Form -4).

24. IMPORT LICENCE

In case imported materials are offered no assistance will be given for Import License or release of Foreign Exchange. The firm should arrange to import materials from their own quota.

25. VALIDITY

Prices and conditions of sale of the offer should be valid for a period of **180** days from the date of opening of the tender. However, the tenderer shall confirm in writing in the tender in this regard, otherwise, must mention his validity period in writing in the tender failing which the tender shall be rejected.

26. TERMS OF PAYMENT

- a. 90% payment shall be released after deduction of taxes & duties as applicable on receipt of items in good condition on delivery, verification and stores entry of all ordered IT Items which are fully inspected, and inspection report is duly accepted by IT, SLDC, OPTCL.
 - i. No advance payment in any form will be made.
 - ii. Handling of foreign exchange component and customs clearance, if any, must be taken care of by the bidder.
 - iii. The contract price shall mean firm price.
 - iv. For 90% Payment: Bellow mentioned documents are required
 1. Bills in triplicate duly certified for verification, stock entry and countersigned.
 2. Delivery Challan.
 3. Approved OEM warranty certificate
 4. Submission of Performance e-BG as per Section-I; Clause 2 and Section-IV; Clause 28
 5. Inspection Report
- b. Balance 10% shall be payable after submission of bills in triplicate along with installation certificate of last item duly certified for verification, stock entry and countersigned.

PAYING OFFICER:

DDO, SLDC OPTCL shall be the paying officer for all items intended for SLDC, OPTCL Purpose.

27. COMPOSITE PERFORMANCE BANK GUARANTEE

The Performance bank Guarantee amounting 10% of order value including GST need to be submitted for the period of **39 months** from the date of installation and commissioning, towards security, 100% payment and performance guarantee purposes, failing which the purchase order will be treated as cancelled. Performance Security shall be submitted only in the form of Electronic Bank Guarantee (e-BG) issued through National E-Governance Services Limited (NeSL) platform.

In the event of any breach or default in all or any of the conditions set forth and provided in the purchase order, the purchaser may forfeit the whole amount of the composite bank guarantee. The forfeiture of the composite Bank guarantee shall not in any way affect, limit or extinguish any remedy or relief to which the above authority may at any time be lawfully entitled.

If the supplier fails to submit the Electronic Bank Guarantee (e-BG), then , the purchaser shall deduct the whole amount of the composite bank guarantee from the bill for which

payment to be released.

No interest will be payable on Composite Bank Guarantee amount or the whole amount of the composite bank guarantee from the bill.

28. PRICE REDUCTION

If the supplier fails to complete the delivery, installation and commissioning as per schedule specified, There will be price reduction at the rate of 0.5% of the taxable value of the un-commissioned portion (item) for each calendar week or part there of subject to a maximum of 10% of unexecuted portion with overall limit of 5% of contract value shall be deducted from the invoice.

29. FORCE MAJEURE

The supplier shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force majeure such as acts of God, acts of the public enemy, acts of Govt., Fires, floods, epidemics, Quarantine restrictions, strikes, Freight Embargoes / failure in downloading, activating the license due network problems, server down, link failure, site not ready, consignee absent and provided that the supplier shall within Ten(10) Days from the beginning of such delay notify the purchaser in writing of the cause of delay along with documentary evidence. The purchaser shall verify the facts and grant such extension, if facts justify.

30. INSURANCE

Insurance of items under scope covered by this specification shall be done by the suppliers with their own insurance unless otherwise stated. The responsibility of delivery of the items at destination in good condition rests with the supplier. Any claim with the Insurance Company or transport agency arising due to loss or damage in transit has to be settled by the supplier. The supplier shall undertake free replacement of materials damaged or lost which will be reported by the consignee within 30 days of receipt of the materials at destination without waiting for the settlement of their claims with the carriers and underwriters. In case the replacement of damaged item/part is not done within 30 days, the material shall be treated as not delivered and shall attract penalty till replacement as per clause under heading "Rejection of Materials".

31. PAYMENT DUE FROM THE SUPPLIER

All costs and damages, for which the supplier is liable to the purchaser, will be deducted by the purchaser from any money due to the supplier under the work order or through the composite Bank Guarantee submitted by him.

32. LIMITATION OF LIABILITY

The supplier's total liability for all claims, costs, losses, expenses, actions, proceedings arising out of or in connection with this W.O and scope of work shall be limited to the fees paid. In no event shall either party be liable for any indirect, special, incidental, consequential or punitive damages (including without limitation damages for business interruption, loss of business profits, loss of business information or any other monetary loss) howsoever caused arising out of or in connection with the W.O and whether or not the party has been advised of the possibility of such damages. The supplier shall be liable only for a fault, which is exclusively attributable to it or its contractors, and shall be discharged of its liabilities to the extent that a fault is attributable to the OWNER/Purchaser or its contractors.

33. JURISDICTION OF THE HIGH COURT OF ORISSA

Suits, if any, arising out of this contract shall be filed by either party in a court of law to which the jurisdiction of High Court of ODISHA extends.

34. SUPPLIER'S RESPONSIBILITY

Notwithstanding anything mentioned in the specification or subsequent approval or acceptance of the purchaser, the ultimate responsibility for design of materials and satisfactory performance shall rest with the supplier.

35. LANGUAGE AND MEASURES

All documents pertaining to the contract including specifications, schedule, notices, correspondences, operating and maintenance instructions, drawings or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

36. CORRESPONDENCES

- (i) Any notice to the contractor under the terms of the contract shall be served by Registered mail or by hand at the contractor's principal place of business.
- (ii) Any notice to the purchaser shall be served at the OPTCL's principal office in the same manner.

37. LEGAL ADDRESS

PURCHASER:

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar-17, ODISHA, India

38. COPY RIGHT PROTECTION OF TENDER DOCUMENT:

The contractor shall treat the details of the Specification and other Tender documents as private and confidential, and they shall not be reproduced without written authorization from the purchaser.

39. GUIDELINE AND STRATEGY FOR e-REVERSE AUCTION

STRATEGY FOR e-REVERSE AUCTION	
1	Bidders are required to go through the guidelines given below and submit their acceptance to the same.
2	e-Reverse Auction (RA) will be conducted in e-tender portal of SLDC, OPTCL on specified date and time, while bidders shall quote from their own offices/places of their choice. Internet connectivity shall be ensured by the respective agencies/bidders themselves.
3	Demonstration/ training (if not trained earlier) of bidder 's nominated person(s), shall be done to explain all the rules related to e-Reverse Auction/ Business Rule document to be adopted.
4	The strategy to be used for reverse auction shall be –DYNAMIC TEMPLATE BIDDING
Procedure for electronic Reverse Auctioning (e-RA):	
5	<ul style="list-style-type: none">a. The e-RA shall be conducted on www.tenderwizard/OPTCL.com only.b. Bidder has to submit letter towards agreement to the Process related Terms & Conditions for e-Reverse Auction, as per (Reverse Auction Process Compliance Form at Annexure-IB). In non-receipt of the same, vendors will not be allowed to participate in e-RA.c. e-RA shall be carried out after opening of Price bids and completion of Price bid evaluation, which will be intimated only to the techno-commercially qualified bidders by SLDC, OPTCL as per procedure given below.d. OPTCL reserves the right to conduct e-RA and it is obligatory on part of bidder(s) invited to participate in e-RA process once they have responded to the techno-commercial bid.

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6	<p>Prior intimation/ Notice for RA invitation will be given to techno-commercially qualified bidders regarding the date & time of opening of the e- RA.</p> <p>The start bid price (SBP) for e-Reverse Auction of each bidder under a particular package shall be the L1 evaluated price for the subject package including Taxes & Duties for the total scope for subject Package. Taking the above discovered L1 price as the upper limit e-RA will be conducted to determine the lowest possible price.</p> <p>Reverse Auction will be conducted amongst first 50% of the technically qualified bidders arranged in order of prices from lowest to highest, as L1, L2, L3-----Ln, and L1 price will be discovered. Minimum of 3 bidders shall be eligible for e RA. (eg. If 4 bidders are financially evaluated then the L1, L2 and L3 bidders shall be eligible for e-RA). Number of bidders eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g., if 7 bids are technically qualified, then RA will be conducted amongst L1 to L4).</p> <p>However, in case only two bidders are found to be responsive, e-RA would be carried out with both the parties without any elimination. However, SLDC, OPTCL reserves the right to invite the evaluated L1 bidder for negotiation without conducting the e- RA.</p> <p>In case of price submitted by any bidder is found to be abnormal, SLDC, OPTCL reserves the right to reject the bid of the bidder(s).</p> <p>Rank of bidders would be displayed as per the total cost to SLDC, OPTCL, i.e. including Taxes and Duties payable by SLDC, OPTCL as per the provisions of the bidding document & after e-RA process is over.</p>
7	<p>Names of bidders/ vendors shall not be disclosed during the e-RA process. Names of bidders/ vendors shall be anonymously masked in the e-RA process.</p> <p>(i) In case of RA, start/ reference price and step value of decrement shall be indicated to the bidders at the start of the auction. Any participating bidder can bid one or multiple step decrement lower than the prevailing lowest bid at that time. The Bidder shall be able to view Bid Start Price, Bid Decrement Value, Prevailing Lowest Bid value, last Bid Placed by him and time left for bidding.</p> <p>(ii) The step value of decrement in a package to be offered by bidder (the minimum amount of reduction in the total bid price including all taxes & duties during auction), shall be kept at 0.15% of L1 bidder's final evaluated price (or) at approved amount as decided by SLDC, OPTCL.</p> <p>(iii) Bidders can only quote any value lower than their previous quoted price. However, at no stage, increase in Price will be permissible.</p> <p>(iv) At any point during Reverse Auction, bidding Price field (Total price) shall remain enabled for the bidders. The total reverse auction period will be for one twenty (120) minutes. The initial auction period (1st slot) will be of thirty (30) minutes with provision of auto extension by (10) ten minutes from the schedule/ extended closing time, if any fresh lower bid is received in last ten minutes of initial auction period or extended auction period. Total/ maximum number of auto extension will be for 9 (nine) times after the 1st slot. After end of 120 minutes, the reverse auction process shall get closed automatically without any extension.</p> <p>(v) However, bidders are advised not to wait till the last minute or last few seconds to enter their bid during the period of e-reverse auction to avoid complication related with internet connectivity, network problem, system crash down, power</p>

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	failure etc.
8	<p>After conclusion of e-Reverse Auction i.e. (Closing Price in Reverse Auction will be taken as offered price by the L1 bidder), decrease in price of individual head of the template shall be considered proportionately on all individual line items of the respective head of the price schedule of the successful L1 bidder .</p> <p>Any bid received at the tender wizard server end subsequent to closure of the e-RA shall be summarily rejected and shall not be considered as a valid bid under whatsoever circumstances. For this purpose, tender wizard server log shall prevail. The bidder shall not involve himself or any of his representatives in price manipulation of any kind directly or indirectly by communicating with other bidders.</p> <p>During Reverse Auction, If no bid is received within the specified time, SLDC, OPTCL, at its discretion, may decide to close the reverse auction process/ proceed with conventional mode of tendering [Evaluation of Part-II (price bid) submitted by bidders earlier].</p>
9	<p>Consequent upon completion of e-Reverse Auction, SLDC, OPTCL's decision on award of contract shall be final and binding on the bidders.</p> <p>SLDC, OPTCL shall be at liberty to call the L1 bidder for further process/ negotiation and also at liberty to cancel the e-reverse auction process/ re- tender at any time, without assigning any reason thereof. SLDC, OPTCL can decide to reschedule or cancel any reverse auction: the bidders shall be informed accordingly.</p> <p>SLDC, OPTCL/ Service Provider shall not have any liability to bidders for any interruption or delay in access to the e-Tender site/ Reverse Auction link irrespective of the cause.</p>

SECTION – V: BID FORMS

FORM-1: BID DECLARATION FORM

Date: -----

Bid No.: -----

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

We, the undersigned, declare that:

- a) I / We, M/s..... (Bidder name) have downloaded the BID document for the above-mentioned BID from the OPTCL e-tendering portal/OPTCL Website.
- b) We have examined and have no reservations to the Bidding Document, including Addenda No. (if Any):
- c) I / We hereby certify that, I / we have read the entire terms and conditions & specifications of the BID document (including all documents which have been attached in this Bid like Scope of Work, Term and Conditions, Service Level Agreement, Payment terms, Penalty Clause, corrigendum or any other document) which will form part of the contract agreement and I / we shall abide hereby by the terms and conditions & specifications / clauses contained therein.
- d) The corrigendum(s) issued from time to time by your department / organizations related to this BID too have also been taken into consideration, while submitting this acceptance letter.
- e) I / We hereby unconditionally accept the BID terms and conditions & specifications including Scope of Work and any other document (which is/are attached in Bid Document) of above-mentioned BID document / corrigendum(s) in its totality / entirety without any deviation.
- f) I / We certify that all information furnished by our firm / company is true & correct and in the event that the information is found to be incorrect / untrue or found violated, then your department / organization shall without giving any notice or reason therefore may summarily reject the bid or terminate the contract, without prejudice to any
- g) We offer to supply in conformity with the Bidding Document and in accordance with the scope of work and delivery schedule.

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- h) Our Bid shall be valid for a minimum period of 180 days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- i) If our Bid is accepted, we commit to obtain a Performance Security in the amount of 10 percent of the Contract Price for the due performance of the Contract.
- j) We are not participating, as Bidders, in more than one Bid in this bidding process in accordance with the Bidding Document.
- k) Our firm has not been declared ineligible by the Odisha Power Transmission Corporation Limited
- l) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- m) We understand that you are not bound to accept the best evaluated bid or any other bid that you may receive.

Name.....
In the capacity of.....
Signed
Duly authorized to sign the Bid for and on behalf of.....
Date.....

[This form should be dully filled up by the Bidder and uploaded at the time of submission of tender.]

Form-1B

(Reverse Auction Process Compliance Form)

(To be submitted on letter head of the bidding company with sign and stamp and alongwith Technical bid)

To,

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Sub: Agreement to the Process related Terms & Conditions for e-Reverse Auction.
Dear Sir,

This letter is to confirm that:

- The undersigned is authorized representative of the company.
- We have studied the Commercial Terms and the Business rules governing the ReverseAuction as mentioned in your tender and confirm our agreement to that.

- We also confirm that we have gone through the auction manual and have understood thefunctionality of the same thoroughly.

- We, hereby, confirm that we will honour the Bids placed by us during the tendering/ e-Reverse auction process as called as e-RA.

- We also confirm that we will accept our Rank / Position that will be displayed when theBidding Time for the Online Reverse Auction is over.

With regards,

Signature with Designation with company seal
Name & Address

[Person having power of attorney for this tender]

PROCUREMENT OF SERVERS AND STORAGE FOR SLDC, OPTCL
[TENDER NOTICE No.SLDC-01/2026-27]

FORM-2: TECHNICAL COMPLIANCE SHEET

Bidders need to submit the Technical Compliance Sheet or Deviations (if any) on the OEM letterhead as per the Technical Specification mentioned in Annexure-I.

Date:

Bid Reference No.:

SL No.	ITEM	Technical Specification	Compliance (Yes/No)	Deviations if any

Signature with Date

Name in Block Letters

Seal of the Company

Note: In case of any deviations, specific comments are to be filled in the deviation column. If the space is insufficient, a separate sheet may be enclosed.

FORM-3: MANUFACTURER'S AUTHORIZATION FORM

(To be obtained from all OEMs on OEM's Letter Head)

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Date:

Bid No.:

Dear Sir,

We **[name of the Manufacturer]** who are established and reputable manufacturers of **[name and/or description of the goods]** having factories at **[address of factory]** do hereby authorize **[name and address of Agent]** to submit a bid, and subsequently negotiate and sign the Contract with you for the goods manufactured by us against the above Bid Number.

We hereby extend our full warranty as per the General Conditions of Contract for the goods and services offered for supply by the above firm against this Bid. We hereby confirmed that goods offered for supply by the above firm shall not be outdated within 5(five) years of supply and will provide necessary spares support service.

[Signature for and on behalf of

Manufacturer] [Name]

[Name of the Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid

PROCUREMENT OF SERVERS AND STORAGE FOR SLDC, OPTCL
[TENDER NOTICE No.SLDC-01/2026-27]

FORM-4: PRICE BID FORMS

Price Schedule for Goods to be keyed in the .xls / .xlsx template provided in the tender portal.

I. PRICE BID FOR PROCUREMENT OF IT (HARDWARE) EQUIPMENT:

Tender Notice No.			SLDC-01/2026-27					
NAME OF THE BIDDER								
Name Of The Work			Procurement of Servers and Storage for SLDC, OPTCL.					
Price Bid Form-I: PRICE BID FOR PROCUREMENT OF IT ITEMS								
				Rs.	Rs.	Percentage	Rs.	Rs.
Sl.No.	Item Description	Unit	Quantity	Cost of Supply (Per Unit)	Total Cost without GST	% GST applicable	GST	Total Cost inclusive of GST
1	Blade Server for existing HPE Synergy 12000 Chassis, 3Y Warranty (Includes firmware upgrades as required for the Synergy 12000)	Nos.	2		-		-	-
2	Virtualization Software per socket with 3Y Subscription	Nos.	2		-		-	-
3	Storage: 10TB usable. (iSCSI / 10G / 3Y Warranty):	Nos.	1		-		-	-
GRAND TOTAL (In Rs.):(In Figure)					-		-	-
GRAND TOTAL (In Rs.): (In Words)								
Note:	In case of discrepancy between unit price and total, the unit price shall prevail.							

FORM-5: BIDDER'S INFORMATION

1.0 General Information

Bidder is requested to complete the information in this form.

1.	Name of firm	
2.	Registered office address	
3.	Telephone.	Contact
4.	Fax	Telex
5.	Place of incorporation/registration	Year of incorporation/registration
6.	Nationality	

2.0 Capability Statement

1.	Name of Bidder	
2.	Classifications (1) Manufacturer (2) Authorized Agent (3) Dealer (4) Others (please specify)	
3.	Works/Warehouse: (a) Location (b) Description, Type and size of building	
6.	Names of three buyers to whom similar equipment was supplied in the past	
	(1)	
	(2)	
	(3)	

3.0 Performance Statement (for a period of last three years for all the type of items offered)

Sl. No.	Client	Order No. and date	Item Description and quantity	Value of order	Date of completion	Has the equipment been satisfactorily functioning?

6.0 Details of Service Support

SERVICE CENTRE IN ODISHA								
Location with Detail Address:								
Sl. No.	Address	Phone no.	Fax No.	Status of Office Working Days and Hours	Number of Hardware Engineers	Number of Hardware Staffs	Value of Min. Stock Available at all times	List of Firms serviced in last two (2) years

Name.....
 In the capacity of.....
 Signed

Date.....
 Place.....
 Duly authorized to sign the Bid for and on behalf of.....

FORM-6: DEVIATION AND ALTERNATIVES

Date:

Bid No.:

The Bidder shall item wise any alternatives and deviations from the bid document included in his Bid. Each item shall be listed below with the following information:

Any proposal in this section will be applicable only for the bidders whose Bid will be substantially responsive in accordance with **“Instructions to Bidders”**.

A Bid determined as not substantially responsive will be rejected and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

1. Reference Clause in the bid document.
2. Detailed description of the alternative or deviation.
3. Reason for the change.
4. The change in bid price if the alternative or deviation is withdrawn and the bidder conforms to the specifications.

Note: Bidder shall submit “No Deviation” certificate, if there is no deviation

Name.....

In the capacity of.....

Signed

Date.....

Place.....

Duly authorized to sign the Bid for and on behalf of.....

FORM-7: FORM OF CERTIFICATE OF ORIGIN AND ELIGIBILITY

Bidder's Name & Address:

#	Equipment and Materials	Make	Model
1	Server		
2	Virtualization Software		
3	Storage		

I (We) hereby certify that the equipment and materials mentioned above to be supplied are produced in, an Eligible Source Country.

I (We) hereby certify that my (our) company is incorporated and registered in, an Eligible Source Country.

Name.....

In the capacity of.....

Signed

Date.....

Place.....

Duly authorized to sign the Bid for and on behalf of.....

FORM-8: UNDERTAKING REGARDING NON-BLACK-LISTING

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

I, _____ (Name of the Authorized person) presently working in the capacity of _____(designation) and I have been duly authorized by _____(bidder name)having its Registered office/ Corporate Office / at _____ to furnish the aforesaid undertaking against the specific requirement as specified in GeM Bid No. _____ and accordingly, I, on behalf of _____(name of the bidder) hereby solemnly declare & affirm as under:-

1. That _____ (Name of the bidder) have not been blacklisted / debarred / disqualified by any Govt. of India or any of its agencies, any State Govt. or any of its agencies, State or Central PSUs etc. during the last 5 years till the date of submission of Bid.
2. That the Chairman of _____(Name of the bidder) or any Director of _____(Name of the bidder) or any senior Management Official of _____(Name of the bidder) do not have any history of litigation or arbitration resulting from Contracts executed in the last five years or currently under execution.

Name.....

In the capacity of.....

Signed

Date.....

Place.....

Duly authorized to sign the Bid for and on behalf of.....

FORM-9: UNDERTAKING REGARDING NON-MALICIOUS CODE

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Date:

Bid No.:

Subject: Undertaking regarding Non-Malicious Code certificate

- a) This is to certify that the Hardware and the Software being offered, as part of the contract, do not contain Embedded Malicious code that would activate procedures to: -
 - i. Inhibit the desires and designed function of the equipment.
 - ii. Cause physical damage to the user or equipment during the exploitation.
 - iii. Tap information resident or transient in the equipment/network.
- b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property rights (IPRs) are caused due to activation of any such malicious code in embedded software.

We certify the above point as asked in the bid.

Name.....

In the capacity of.....

Signed

Date.....

Place.....

Duly authorized to sign the Bid for and on behalf of.....

FORM-10: UNDERTAKING REGARDING NO OWNERSHIP CHANGE

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Date:

Bid No.:

Subject: Undertaking regarding No Ownership Change

Dear Sir,

This is to inform you that, we<Name of the Bidder> hereby confirm that there will be no ownership change for three years from bid submission.

Name.....

In the capacity of.....

Signed

Date.....

Place.....

Duly authorized to sign the Bid for and on behalf of.....

FORM-11: DECLARATION REGARDING LITIGATION HISTORY

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Date:
Bid No.:

Subject: Declaration Regarding Litigation History

Dear Sir,

This is to inform you that, we<Name of the Bidder> hereby confirm the following information on any history of litigation or arbitration resulting from Contracts executed in the last five years or currently under execution.

Year	Award FOR or AGAINST Applicant	Name of client, cause of litigation and matter in dispute	Disputed amount (Current Value in Indian Rupees)

Name.....

In the capacity of.....

Signed

Date.....

Place.....

Duly authorized to sign the Bid for and on behalf of.....

<Note>: If there is no Litigation, please fill with **“No Litigation”**.

PROCUREMENT OF SERVERS AND STORAGE FOR SLDC, OPTCL
[TENDER NOTICE No.SLDC-01/2026-27]

FORM-12: UNDERTAKING REGARDING TECHNICAL CONSULTANCY AND GUIDANCE TO OPTCL

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Date:

Bid No.:

Subject: Undertaking Regarding Technical Consultancy and Guidance to SLDC, OPTCL

Dear Sir,

This is to inform you that, we<Name of the Bidder> hereby confirm that we will provide technical consultancy and guidance at no extra cost to OPTCL for proper configuration and integration with OPTCL IT System.

Name.....

In the capacity of.....

Signed

Duly authorized to sign the Bid for and on behalf of.....

Date.....

FORM-13: UNDERTAKING REGARDING PRODUCT END OF LIFE

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751017, Odisha.

Date:
Bid No.:

Subject: Undertaking Regarding Product End of Life

Dear Sir,

We.....<Name of Bidder> hereby confirm that, we have offered only those products under the scope in this bid which are not obsolete in the market and have at least 5 years' residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

Name.....
In the capacity of.....
Signed
Duly authorized to sign the Bid for and on behalf of.....
Date.....

FORM-14: UNDERTAKING REGARDING BIDDER FINANCIAL STANDING

To

The Chief Load Despatcher, SLDC,
OPTCL, GRIDCO Colony, Mancheswar,
Bhubaneswar- 751 017, Odisha.

Date:
Bid No.:

Subject: Undertaking Regarding Bidder Financial Standing

Dear,

We hereby confirm that, we.....<Name of Bidder> are not under liquidation, court receivership, or similar proceedings. Also confirm that the bidder is not bankrupt at the time of bidding.

Name.....
In the capacity of.....
Signed
Duly authorized to sign the Bid for and on behalf of.....
Date.....

SECTION – VI: ANNEXURES

ANNEXURE-I: TECHNICAL SPECIFICATIONS

Minimum Technical Requirement Specifications for Servers for existing HPE Synergy 12000 Chassis and HPE SAN Storage with 10 TB usable storage.

A. COMPUTE BLADE SERVER

BLADE SERVER (Please mention Make & Model)				
Sl.	Minimum Requirement Specification		Compliance (Yes/No)	Document Reference
1.	System	Enterprise class blade server with minimum 5th generation CPU or higher on x64 bit architecture. Server should be populated with minimum 2 Sockets.		
2.	Processor	Minimum 2 Processors populated in each server. Minimum of 28-core with minimum 2.1 GHz Clock Speed or better CPU should be provided.		
3.	Memory	a) Minimum 256 GB RAM using minimum 32GB DDR5 or higher DIMM(s) in balanced configuration.		
		b) Offered Server shall be scalable up to 2TB RAM.		
		c) Advanced ECC to detect and correct single and all multibit error that occur within a single DRAM chip.		
		d) Fast fault tolerance or equivalent.		
4.	HDD/SSD	2 x 480GB NVMe SSD in HW-RAID1 as Boot Controller. Blade server must have support for up to 4 hot-swap NVMe/SAS/SATA SSD drives.		
5.	Video	Integrated Graphics controller.		
6.	Network Controller	Dual ported 50G (OR solution with 2 x Dual ported 25G Ethernet Adaptor plus 2 x Dual ported 16G FC HBA). Solution to be provided to enable partitioning up to minimum 16 separated physical functions including 1x FC, 1 x iSCSI and multiple Ethernet ports, in case converged network solution is offered.		
7.	FC HBA	Should be capable of supporting 32 Gbps Dual port Fiber Channel HBA internal to the Server Blade.		
8.	Bus Slots	Minimum of 3 Nos of x16 PCIe 5.0 based mezzanine slots supporting Converged Ethernet, Ethernet, & FC adapters.		
9.	Ports	1 * external USB 3.0. Dedicated 1Gb Ethernet for OOB (OS independent) management.		
10.	OS Certification	Certification for latest Server version of Windows and Linux including Oracle Linux.		
11.	Virtualization	Should support Industry Standard Virtualization Software such as VMware, HPE, and Red Hat.		
12.	Driver/ Software Utilities	All required device drivers for OS installation /System Configuration and Server Management. Offered server management software shall be with perpetual licensing.		
13.	System	Remote management of Server over LAN & WAN		

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BLADE SERVER (Please mention Make & Model)				
Sl.	Minimum Requirement Specification		Compliance (Yes/No)	Document Reference
	Management	with SSL encryption through OOB gigabit management port, Remote KVM, Server Health Logging, Virtual NIC, REST API, Capture of Telemetry data for external analysis including ability to record and play the console video during the last boot, HTML5 Remote Console, TPM module, Encrypted Virtual Media, AD or LDAP, Config backup, Syslog (local and remote). UEFI Secure Boot and Secure Start, Security feature to ensure servers do not execute compromised firmware code, digitally signed, and verified updates, Security Dashboard for Server to detect possible security vulnerabilities, Precision Time Protocol (IEEE 1588 PTP)		
		Offered Server platform must be ready for container workload deployment.		
		The Server Management Software should be of perpetual type and of the same brand as of the server OEM.		
		Server OOB shall have dedicated management memory with ECC protection.		
		Ability up to six users to share remote console to troubleshoot, maintain and administer remote servers.		
		Group management of power control, and power capping, firmware, configuration, virtual media, and licensing.		
14.	Serviceability	System should support embedded remote support to transmit hardware events support. The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. Should provide remote firmware update functionality.		
		Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD		
		System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support		
		EAL4 or higher common criteria certification for the management subsystem of the offered server hardware.		
		One-button or one-click or RESTful API based secure erase of all user data on the server with respect to secondary storage and NVRAM compliant to NIST 800 standards.		
		Proposed blade servers shall be compatible with existing HPE Synergy 12000 blade chassis. Required prerequisites are to be included in the proposed solution by bidder in this regard inclusive of onsite services as would be needed.		
15.	OEM ranking	The OEM must be among the top 3 vendors in		

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BLADE SERVER (Please mention Make & Model)				
Sl.	Minimum Requirement Specification		Compliance (Yes/No)	Document Reference
		selling servers in India OR OEM should be ranked within top 3 as per IDC report for any one of the previous four quarter in India for server.		
		OEM shall have their spare depot/ center in India		
16.	Warranty	Three years on-site comprehensive OEM Warranty Support with 24x7 coverage and access to OEM TAC/support. OEM shall have their own support portal to log the case online and historical data about cases must be available in the same portal.		

B. SAN STORAGE

SAN Storage (Please mention Make & Model)				
Sl.	Minimum Requirement Specification		Compliance (Yes/No)	Document Reference
1.	a)	The storage array should support industry-leading Operating System & Hypervisor platforms including Windows 2022/2025, VMware, HPE and Linux.		
	b)	Offered Storage Shall support all above operating systems in Clustering.		
2.	a)	The Storage Array shall be offered with 10TB usable capacity using less than 2TB SAS 12G SSD drives.		
	b)	For effective power saving, Storage subsystem shall be supplied with 2.5" Small form factor SFF drives however storage subsystem shall also support LFF drives with the addition of required disk enclosures.		
	a)	Storage Array should support at least 240 Enterprise SAS SFF drives or more than 100+ LFF drives.		
3.		Offered Storage system should be supplied with minimum of 4 x 10G iSCSI front-end ports and should have at least 12G SAS Back-end connectivity.		
4.		The storage array should support dual, redundant, hot-pluggable, active-active array controllers for high performance and reliability.		
5.		Offered Storage Array shall be configurable in a No Single Point of configuration including Array Controller card, Cache memory, FAN, Power supply etc.		
6.		The storage system shall support Enterprise SAS Drives, SSD and mid-line SAS drives of 7.2k rpm drives. Offered storage array shall also have support for FIPS 140-2 validating self-encrypted drives.		
7.		Offered Storage Array shall be given with Minimum of 48GB cache / memory per array in a single unit. Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology. Offered Storage shall also have optional support for Flash cache using SSD / Flash drives. Offered storage should support at least 8TB Flash Cache.		
8.	a)	Offered Storage Subsystem shall support RAID 1 , 10, 5 and 6.		
	b)	All RAID Sets shall support thin provisioning. Vendor shall offer the license of thin provisioning for complete supported capacity of the array.		
	c)	Thin provisioning shall be supported with offered Flash Cache.		
	d)	RAID processing shall be offloaded to a dedicated ASIC instead of CPU. In case vendor is not supporting it then vendor shall		

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SAN Storage (Please mention Make & Model)			
Sl.	Minimum Requirement Specification	Compliance (Yes/No)	Document Reference
	ensure that additional 32GB Cache is configured inside the storage arrays to offset the raid processing workload.		
9.	a) Offered Storage array shall be configured with array-based Snapshot and clone functionality and shall be configured for a minimum of 512 snapshot licenses. b) Offered Storage array shall support at least 512 point-in-time copies (Snapshots) and 128 volume / Clone copies. c) The offered storage snapshot technology should use Redirect on write technology.		
10.	Offered storage subsystem shall support storage-based replication to DR location. License for maximum supported capacity of the array shall be offered. Offered storage subsystem shall support replication to multiple storage array of the same family in fan-out mode. At least 1:4 mode shall be supported.		
11.	Offered storage shall be offered and configured with virtualization capability so that a given volume can be striped across all spindles of given drive type within a given disk pool. Disk pool shall support all listed RAID sets of 1, 10, 5, and 6. Offered Storage shall be offered and configured with Thin Provisioning capability.		
12.	The offered storage shall also be licensed for Sub-Lun Data tiering in real time fashion across different type of drives within a given pool like SSD, SAS, Midline SAS etc. License for same shall be offered for maximum supported capacity of the array.		
13.	Offered Storage Array shall support Global hot Spare for offered Disk drives. At least 2 Global hot spare drive shall be configured for every 30 drives. Offered storage array should have the support for distributed hot spare.		
14.	Storage Subsystem shall support minimum of 512 Logical Units. Storage Array shall also support creation of more than 120TB volume at controller level. Offered Storage shall have inbuilt performance management software. Configuration Dashboard shall show overall IOPS and MB/sec performance.		
15.	Multi-path and load balancing software shall be provided if vendor does not support MPIO functionality of Operating system.		
16.	Three years support with 24x7 coverage and access to OEM's India TAC/support. OEM shall have their own support portal in India to log the case online and historical data about previous support cases must be available in the same portal.		

C. VIRTUALIZATION SOFTWARE

Virtualization Software (Please mention Make & Model)			
Sl.	Minimum Requirement Specification	Compliance (Yes/No)	Document Reference
1.	The bidder shall propose direct back-to-back single-window OEM TAC support on 24x7x365 coverage basis for proposed solution with unlimited number of incidents.		
2.	The bidder shall ensure that all the proposed software components as part of the solution shall have the ability to run on any standard commodity server infrastructure and external FC storage without having any dependence on specific make/model of infrastructure components and/or CSI-operator.		
3.	Virtualization solution must be qualified for both Intel as well as AMD architecture and supported with all leading guest operating systems.		

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4.	Virtualization solution must have enterprise-grade cluster management with capabilities such as high availability, live compute and storage migration, distributed workload placement, integrated data protection, secure hardening, and external storage (FC, iSCSI, NFS) support.		
5.	Virtualization solution shall support migration of a running virtual machine from one host to another within the same cluster with zero downtime.		
6.	Virtualization solution shall automatically restart virtual machines on another host in the same cluster in the event of an unexpected host failure within the cluster.		
7.	Virtualization solution shall dynamically schedule the placement of virtual machines within a cluster based upon optimal workload distribution across the cluster.		
8.	Virtualization solution must support migration the virtual disk(s) of a running of virtual machine from one storage datastore to another with zero downtime.		
9.	Virtualization management instance/console must be available independent of failure of host/node, and OS.		
10	Virtualization management must support integration of VMware vCenter clouds for unified deployment and administration.		
11.	Virtualization solution must provide image library, automation tools, and provisioning wizard features natively for embedded hypervisor as well as for integrated VMware vCenter clouds.		
12.	Virtualization solution must include suitable data backup feature/solution for VM, Container, Host, Database, File, Directory, Volume and Storage Provider Backup, Snapshot and Replication capabilities. a) Such backup must be able to use at least CIFS, NFS, S3 from Storage providers as a backup target. b) Such backup must have deep integration into the instances / VM provisioning so that all newly created instances / VMs are protected and backed up automatically. c) Such backup must support critical features like Scheduling of backup, backup retention counts, on-demand backup etc.		
13.	Virtualization solution must also have codeless integration functionality for third party backup software like Veeam, Commvault, Rubrik, Zerto, Cohesity, etc.		
14.	Virtualization solution must support and integrate with storage - Object Buckets which can be used for Backup, Archives, Deployment and Virtual Images storage targets. It shall be possible to browse, upload, download, or delete files from Bucket and shall support all well-known object storage from AWS, Azure, Google, Dell-EMC ECS, OpenStack Swifts buckets etc.		
15.	Hypervisor shall also allow creation of file share based NFS and CIFS protocols which can be used for Backup, Archives, Deployment and Virtual Images storage targets. It shall be possible to browse, upload, download, or delete files from File share and shall support all various file share protocols like CIFS, NFS, Local Storage and all well-known industry leading file storage arrays.		
16.	The offered Hypervisor shall support running virtual machines on external storage via iSCSI, NFS, and Fibre Channel.		
17.	The offered Hypervisor shall not be dependent upon only CSI operator or CSI-driver for external storage support and integration.		
18.	Virtualization solution must have a concept of grouping of resources into a common identity, comprises of resources like Clouds, hosts, VMs, network, resource pools, data stores etc. so that required users can be assigned to it.		

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19.	Virtualization solution shall allow users to configure their photo, username, password, email, theme, 2FA, Linux and Windows VM login credentials from the console.		
20.	Virtualization solution must allow creation of service plan or t-shirt size based on CPU, Memory and Storage and shall be available to users while creating / provisioning the instance / VMs		
21.	Services plan shall also have the option to provide custom ranges and flexibility to provisioning users for providing predefined limit for number of additional volumes, customization of Volumes, number of cores etc.		
22.	Virtualization solution must have internal user management engine as well as integration support with external directory-based providers – Active directory and LDAP, SAML based providers – Okta, OneLogin, Azure AD SAML etc. It shall be possible for mapping of External integration provider users with offered hypervisor roles.		
23.	Virtualization solution must integrate with external IPAM providers like Infoblox, phpIPAM, BlueCat, SolarWinds etc. to automate the reservation of an IP address for the virtual machine during the provisioning process.		
24.	Virtualization solution must integrate with external DNS providers like Infoblox, Microsoft DNS, BlueCat, SolarWinds etc. to automate the creation of DNS records for a virtual machine during the provisioning process.		
25.	Virtualization solution must support execute Bash or PowerShell scripts during virtual machine provisioning to automate system bootstrapping operations.		
26.	Virtualization solution must support the execution of Bash and PowerShell scripts on provisioned and discovered virtual machines like operational workflow.		
27.	Access to grouping of resources shall be controlled through appropriate roles while assigning to users. Roles shall provide access to resources using appropriate permissions. At least, it shall be possible to configure following key permissions: a) Access to Native data protection configuration. b) Read or full access for creation of Service plans. c) Access to API to execute scripts on Instances / VM. d) Access for allowing users to use Dynamic workload scheduler for VM placement and pinning of VM to a specific host. e) Access to create automation scripts. f) Permission for resizing the instance. g) Access to instance / VM – Console, Adding or deleting an Instance / VM.		
28.	Virtualization solution must provide below Virtual Machine Management functionalities: a) Create / Delete / Restart / Start / Stop / Suspend and Discovery of Virtual machines. b) Snapshot operations – Create / Delete / revert of Virtual machines c) Tagging – Add / Delete / Edit tagging for Virtual Machines. d) Live Migration of VM, VM HA and Pin virtual machine to a specific host. e) Cloning of VM, Clone to VM Template. f) Virtual Hardware Management - Add and remove virtual hardware such as hard disks, network interfaces, CPU and memory from a managed virtual machine. g) Both expansion and shrinking of VM cluster		
29.	Virtualization solution must support both internal and external Credential store for securely pulling in the username and password, access and secret key along with key pair and SSH certificates.		

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30.	Virtualization solution must provide a catalog of pre-configured default images for HVM clusters or for VMware vCenter Cloud targets as well.		
31.	Virtualization solution must provide the flexibility to bring / upload OS images. While uploading the OS image, it shall be possible to define the location and provide the flexibility to use internal space within the hypervisor cluster or using appropriate available S3 bucket or file share.		
32.	Virtualization solution must provide global search to facilitate search of Instances, Users, cloud, group, hosts and networks.		
33.	Virtualization solution must provide creation of Wiki, which should be RBAC-controlled, and auditable that allows easy access to information, notes, configurations or any other data needed to be referenced or shared with others.		
34.	Consolidated dashboard for the virtualization solution must highlight the overall environment status, System Status, Alarms, log history, Instance status, Instance status by configured clouds, cluster workloads etc.		
35.	Virtualization solution must provide activity report like provisioning tasks, Users related tasks etc. It shall be able to search the specific activity.		
36.	Virtualization solution must provide a single install ISO to install and configure the virtual host servers including bootstrapping.		
37.	Virtualization solution must support sync and management of floating IP addresses.		
38.	Virtualization solution must support creation of networks, network-groups, IP-pools, and Routers.		
39.	Virtualization solution must optionally support advanced networking features such as micro-segmentation and macro-segmentation along with supported infrastructures.		
40.	Bidder shall provide the licenses/subscriptions for asked Server (Either CPU-based, or CPU-core-based). Offered licensing shall be scalable.		
41.	Three years support with 24x7 coverage and access to OEM's India TAC/support. OEM shall have their own support portal in India to log the case online and historical data about previous support cases must be available in the same portal.		

*****END OF DOCUMENT*****