



**ODISHA COMPUTER APPLICATION CENTRE**  
**TENDER CALL NOTICE**  
**Enq.No.:- OCAC-SEGP-SPD-0015-2021-22081**

Odisha Computer Application Centre (OCAC) invites sealed quotation from System Integrators for establishment of Local Area Network (LAN) at various Hospitals in the State of Odisha. For details please visit websites [www.ocac.in](http://www.ocac.in) & [www.odisha.gov.in](http://www.odisha.gov.in). **The bid shall be submitted in electronic mode only in the portal <https://enivida.odisha.gov.in> latest by 09.01.2023, 02:00 PM.** OCAC reserves the right to accept/ reject any/ all bids without assigning any reason thereof.

**General Manager(Admin), OCAC, Plot No.-N-1/7-D, Acharya Vihar, P.O.-RRL, Bhubaneswar-751013, Ph.-2567280/ 2567064/ 2567295**

**Tender for**  
**Supply, Installation and commissioning**  
**of Local Area Network and minor**  
**electrical work at Hospitals (4 Nos**  
**Premier Hospitals,3 Nos MCHs and 73**  
**UPHCs) under the OeHMIS Project.**

**Tender Ref No.: OCAC-SEGP-SPD-0015-2021-22081**



**Odisha Computer Application Centre**  
(Technical Directorate of E & I.T. Department, Government of Odisha)  
N-1/7-D, Acharya Vihar, P.O. - RRL,  
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Website: [www.ocac.in](http://www.ocac.in)

## Definitions /Acronyms

Term	Definition
Authorized Representative	Any person authorized by either of the parties
Bidder	Any firm offering the solution(s), service(s) and /or materials as required in the tender. The word Bidder when used in the pre-award period shall be synonymous with parties bidding for this tender, and when used after award of the contract shall mean the successful party with whom OCAC, signs the agreement for rendering of services for implementation of this project.
OeHMIS	Odisha e-Hospital Management Information System
OEM	Original Equipment Manufacturer
Party	Means OCAC or Bidder, individually and “Parties” mean OCAC and Bidder, collectively
Proposal / Bid	The Pre-Qualification – cum – Technical Proposal and Commercial Proposals all together, i.e., complete proposal for the implementation of this project
Request for Proposal (RFP)	Means this document and its annexure etc., seeking a set of solution(s), services(s), materials and/or any combination of them.
PBG	Performance Bank Guarantee
OCAC	Odisha Computer Application Centre
eNivida	<p>The portal where all this tendering process will take place, since publishing to open &amp; Award of the tender.</p> <p>Bidders have to use this portal for Bid Submission and further activities till Award.</p> <p>URL: <a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a></p>

## 1. TENDER SCHEDULE

Sl. No.	Items	Date & Time
1.	Availability of Bid Document in the website ( <a href="http://www.ocac.in">www.ocac.in</a> , <a href="http://www.odisha.gov.in">www.odisha.gov.in</a> , <a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a> ), and for online participation visit the <a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a> only.	12.12.2022
2.	Last date and time for Submission of Bid	09.01.2023 by 2 PM
3.	Pre-bid Meeting	20.12.2022 at 4 PM at the Conference hall of OCAC
4.	Opening of Pre-Qualification – cum - Technical Bids	09.01.2023 at 4 PM
5.	Opening of Commercial Bids	To be notified later

## 2. Instructions to the Bidders

### 2.1. Invitation of Bid

- a. Odisha Computer Application Centre (OCAC) invites responses (“Tenders”) to this Request for Proposals (“RFP”) from OEMs /authorized Partners (“Bidders”) for the provision of items as described in this RFP. Tender for Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project. OCAC is the Nodal Agency for this Government procurement.

<b>A</b>	<b>4 Nos Premier Hospitals</b>
1	Srirama Chandra Bhanja Medical College and Hospital, Cuttack (SCB)
2	Sardar Vallabhbhai Patel Post Graduate Institute of Paediatrics, Cuttack(SVPPGIP)
3	Acharya Harihar Post Graduate Institute of Cancer, Cuttack(AHPGIC)
4	Capital Hospital, Bhubaneswar
<b>B</b>	<b>3 Nos MCHs</b>
1	Maharaja Krushna Chandra Gajapati Medical College and Hospital, Brahmapur, Ganjam(MKCG)
2	Veer Surendra Sai Institute of Medical Sciences and Research, Burla, Sambapur (VIMSAR MCH)
3	Saheed Laxman Nayak Medical College and Hospital, Koraput (SLN MCH)
<b>C</b>	<b>73 Nos UPHC of all Districts (Except Khordha &amp; Jharsuguda)</b>

- b. Details of location as follows

SL#	District	Institution Name	Institution Type
1	Anugul	Anugul	UPHC
2	Balangir	Kandhapalipada	UPHC
3	Balangir	Sastri Nagar	UPHC
4	Baleshwar	Sahadev Khunta	UPHC
5	Baleshwar	Sovarampur	UPHC
6	Baleshwar	Sunahat	UPHC
7	Bargarh	MMC: Municipality Maternity Center	UPHC
8	Bargarh	Station Pada	UPHC
9	Bhadrak	Bagurai	UPHC
10	Bhadrak	Bhadrak	UPHC
11	Bhadrak	Purunabazar	UPHC
12	Cuttack	Bidanasi	UPHC
13	Cuttack	Bidyadharpur CRR	UPHC
14	Cuttack	Bidyadharpur	UPHC
15	Cuttack	Brajaramba Jobra	UPHC
16	Cuttack	Kapaleswar	UPHC

17	Cuttack	Madhusudan Das Tulasipur	UPHC
18	Cuttack	Manjulata Dispensary Khan Nagar	UPHC
19	Cuttack	Nimpur	UPHC
20	Cuttack	Nuabazar	UPHC
21	Cuttack	Nuahata	UPHC
22	Cuttack	Odia Bazar	UPHC
23	Cuttack	Thoria Sahi	UPHC
24	Cuttack	Tulasipur	UPHC
25	Dhenkanal	Kathagada_Dhenkanal	UPHC
26	Gajapati	Municipality_Paralakhemundi	UPHC
27	Ganjam	Aga Sahi Berhampur	UPHC
28	Ganjam	Ambapua	UPHC
29	Ganjam	Baikuntha Nagar	UPHC
30	Ganjam	Berhampur Zonal :Aska Road	UPHC
31	Ganjam	Khodasinghi	UPHC
32	Ganjam	Red Cross Hospital Berhampur	UPHC
33	Ganjam	Uttarmukhi	UPHC
34	Ganjam	Uttreswar : Good Shed	UPHC
35	Jagatsinghapur	Paradeep	UPHC
36	Kalahandi	College Chhaka_Bhawanipatna	UPHC
37	Kandhamal	Phulbani	UPHC
38	Kendrapara	Kendrapara	UPHC
39	Kendujhar	Nalda_Barbil	UPHC
40	Kendujhar	Baneikala_Joda	UPHC
41	Kendujhar	Municipality	UPHC
42	Koraput	Gandhinagar_Koraput	UPHC
43	Koraput	Jagadhatripur_Jeypore	UPHC
44	Koraput	Jeypore LR	UPHC
45	Koraput	Similiguda	UPHC
46	Malkangiri	Malkangiri	UPHC
47	Mayurbhanj	Debendrapur	UPHC
48	Mayurbhanj	Municipality Hospital	UPHC
49	Mayurbhanj	Tulasichaura	UPHC
50	Nabarangapur	Nabarangapur	UPHC
51	Puri	Chandan Hazuri Paediatric Hospital	UPHC
52	Puri	KDMM	UPHC
53	Puri	Municipality Dispensary Dolabedikona	UPHC
54	Puri	Municipality Hospital Swargadwar	UPHC
55	Puri	Penthakata	UPHC
56	Rayagada	Rayagada	UPHC
57	Rayagada	Gunupur	UPHC
58	Rayagada	Rayagada2	UPHC
59	Sambalpur	Burla	UPHC
60	Sambalpur	Chaurpur	UPHC
61	Sambalpur	Dhankauda	UPHC
62	Sambalpur	Dhanupali	UPHC
63	Sambalpur	J Pujari Maternity Home	UPHC

64	Sambalpur	Khetraipur Dispensary	UPHC
65	Sambalpur	Maneswar	UPHC
66	Sambalpur	UFWC: Urban Family Welfare Centre	UPHC
67	Sundargarh	Bandhamunda	UPHC
68	Sundargarh	Biramitrapur	UPHC
69	Sundargarh	Hamirpur	UPHC
70	Sundargarh	Mahatab Road	UPHC
71	Sundargarh	Sector-22	UPHC
72	Sundargarh	UFWC: Urban Family Welfare Centre	UPHC
73	Sundargarh	Sundargarh	UPHC
74	Cuttack	SCB_Cuttack	Premier
75	Cuttack	SVPPGIP_Cuttack	Premier
76	Cuttack	AHPGIC_Cuttack	Premier
77	Khordha	Capital Hospital_Bhubaneswar	Premier
78	Ganjam	MKCG_Berhampur	MCH
79	Sambalpur	VIMSAR_Burla	MCH
80	Koraput	SLN_Koraput	MCH

- c. Proposals must be submitted online through e-Nivida portal before the last date and time of submission.

## 2.2. General

- a) While every effort has been made to provide comprehensive and accurate background information and requirements and specifications, Bidders must form their own conclusions about the solution needed to meet the requirements. Bidders and recipients of this RFP may consult their own legal advisers with regard to this RFP.
- b) All information supplied by Bidders may be treated as contractually binding on the bidders, on successful award of the assignment by OCAC on the basis of this RFP.
- c) No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of the OCAC. Any notification of preferred bidder status by OCAC shall not give rise to any enforceable rights by the Bidder. OCAC may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of the OCAC.
- d) This RFP supersedes and replaces any previous public documentation & communications, and Bidders should place no reliance on such communications.

### 2.3. Compliant Proposals/ Completeness of Response

- a) Bidders are advised to study all instructions, forms, terms, requirements and other information in the tender documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.
- b) Failure to comply with the requirements set out in this Tender may render the Proposal noncompliant and the Proposal may be rejected. Bidders must:
  - i. Include all documentation specified in this Tender;
  - ii. Follow the format of this tender and respond to each element in the order as set out in this tender
  - iii. Comply with all requirements as set out within this tender.

### 2.4. Pre-bid Meeting

- a. OCAC shall hold a pre-bid meeting with the prospective bidders on **20.12.2022 at 4 PM** in Conference hall of OCAC.
- b. The Bidders will have to ensure that their queries for Pre-Bid meeting should reach to General Manager (Admin) only by email ([gm.ocac@odisha.gov.in](mailto:gm.ocac@odisha.gov.in)) with a copy to [debraj.behera@odisha.gov.in](mailto:debraj.behera@odisha.gov.in) on or before **19.12.2022 by 5 PM**
- c. The queries should necessarily be submitted in the following forma (Soft copy in .doc or .xls file to be attached):

SI#	EOI Document Reference(s) (Section & Page Number(s))	Content of EOI requiring Clarification(s)	Points of clarification

- d. OCAC shall not be responsible for ensuring receipt of the bidders' queries. Any requests for clarifications post the indicated date and time may not be entertained by OCAC.

### 2.5. Key Requirements of the Bid

#### 2.5.1 Right to Terminate the Process

- i. OCAC may terminate the tender process at any time and without assigning any reason. OCAC makes no commitments, express or implied, that this process will



result in a business transaction with anyone.

- ii. This tender does not constitute an offer by OCAC. The bidder's participation in this process may result OCAC selecting the bidder to engage towards execution of the contract.

### **2.5.2 Bid Security Declaration**

The Bidders are exempted from paying EMD. The bidder needs to submit the Bid Security Declaration in the format specified in Form-3 and upload the same in the enivida portal. If the bidder withdraws nor modify their bids during period of validity, the participating bidder shall be suspended for a specific period as decided by the purchaser.

### **2.5.3 Submission of Manufacturer Authorisation**

- a. **Manufacturer Authorization Form (MAF) should be submitted positively in original/photocopies by the selected bidder while submitting the response to RFP, failing which the bid is subject to rejection.**
- b. **The Bidder(s) must submit the Form-4 (Compliance Sheet for Technical Proposal) in their official letterhead along with the Datasheet of the equipment quoted. Bidder(s) should upload the scan copy in the portal**

### **2.5.4 Submission of Proposals**

#### **2.5.4.1 Instruction to Bidders for Online Bid Submission**

e-Nivida is a complete process of e-Tendering, from publishing of Tenders online, inviting online bids, evaluation and award of contract using the system. The instructions given below are meant to assist the bidders in registering on e-Nivida Portal and submitting their bid online on the portal. More information useful for submitting online bids on the e-Nivida Portal may be obtained at: <https://enivida.odisha.gov.in>

#### **2.5.4.2 Guidelines for Registration**

1. Bidders are required to enrol themselves on the eNivida Portal <https://enivida.odisha.gov.in> or click on the link "Bidder Enrolment" available on the home page by paying Registration Fees of Rs.5,600/- inclusive of Applicable GST.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidders.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate **(Only Class III Certificates with signing + encryption key**

**usage)** issued by any Certifying Authority recognized by CCA India (e.g. Sify/ TCS / nCode/ eMudhra etc.), with their profile.

5. Only valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
7. The scanned copies of all original documents should be uploaded in pdf format on e-Tender portal.
8. After completion of registration payment, bidders need to send their acknowledgement copy on our help desk mail id [odishaenivida@gmail.com](mailto:odishaenivida@gmail.com) for activation of the account.

#### **2.5.4.3 Searching for Tender Documents**

1. There are various search options built in the e-Tender Portal, to facilitate bidders to search active Tenders by several parameters.
2. Once the bidders have selected the Tenders they are interested in, then they can pay the Tender fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / Tender schedules, Bid documents etc. Once you pay both fee Tenders will be moved to the respective 'requested' Tab. This would enable the e- Tender Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the Tender document.

#### **2.5.4.4 Preparation of Bids**

1. Bidder should take into account any corrigendum published on the Tender document before submitting their bids.
2. Please go through the Tender advertisement and the Tender document carefully to understand the documents required to be submitted as part of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the Tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Colour option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.

5. These documents may be directly submitted from the “My Documents” area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process. Already uploaded documents in this section will be displayed. Click “New” to upload new documents.

#### **2.5.4.5 Submission of Bids**

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Tender document as a token of acceptance of the terms and conditions laid down by Department.
3. Bidder has to select the payment option as per the Tender document to pay the Tender fee / Tender Processing fee & EMD as applicable and enter details of the instrument.
4. In case of BG bidder should prepare the BG as per the instructions specified in the Tender document. The BG in original should be posted/couriered/given in person to the concerned official before the Online Opening of Financial Bid. In case of non-receipt of BG amount in original by the said time, the uploaded bid will be summarily rejected.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOM format with the Tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOM file, open it and complete the yellow Coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOM file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. The uploaded bid documents become readable only after the Tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bid click “Complete” (i.e. after Clicking “Submit” in the portal), the portal will give a successful Tender submission

acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.

9. The Tender summary has to be printed and kept as an acknowledgement of the submission of the Tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **2.5.4.6 Clarifications on using e-Nivida Portal**

Any queries relating to the Tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a Tender or the relevant contact person indicated in the Tender.

2. Any queries relating to the process of online bid submission or queries relating to e-Tender Portal in general may be directed to the Helpdesk Support. Please feel free to contact e-Nivida Helpdesk (as given below) for any query related to e-Tendering.

**Phone No.:** 011-49606060

**Mail id:** odishaenivida@gmail.com

### **2.6. Preparation and Submission of Proposal**

#### **2.6.1. Proposal Preparation Costs**

The bidder shall be responsible for all costs incurred in connection with participation in the tender process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by OCAC to facilitate the evaluation process, and in negotiating a definitive contract or all such activities related to the bid process. OCAC will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

#### **2.6.2. Language**

The Proposal should be filled by the bidders in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Bidders. For purposes of interpretation of the documents, the English translation shall govern.

#### **2.6.3. Venue & Deadline for Submission of proposals**

Proposals, in its complete form in all respects as specified in the RFP, must be submitted to OCAC at the website specified below:

<b>Website</b>	<a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a>
<b>Last Date &amp; Time of Submission</b>	<b>By 2 PM of 09.01.2023 (submission would be online through e-Nivida portal)</b>

## **2.7. Evaluation process**

- i. A Committee constituted by OCAC shall evaluate the responses to the RFP and all supporting documents / documentary evidences. Inability to submit requisite supporting documents / documentary evidence, may lead to rejection of bid.
- ii. The decision of the Committee in the evaluation of responses to the RFP shall be final. No correspondence will be entertained outside the process of evaluation with the Committee.
- iii. The above mentioned Committee may ask for meetings with the Bidders to seek clarifications on their proposals.
- iv. The Committee reserves the right to reject any or all proposals on the basis of any deviations.
- v. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.
- vi. Clarification (if any) sought has to be submitted by the bidder within specified timeline, failing which the Bid is liable to be rejected.

### **2.7.1. Tender Opening**

**The Pre-qualification and technical will be opened at 4 PM of 09.01.2023 in Online mode at e-Nuvida Platform**

### **2.7.2. Tender Validity**

The offer submitted by the Bidders shall be valid for minimum period of **180 days** from the last date of submission of Tender.

### **2.7.3. Tender Evaluation**

- i. Incomplete details as given below will be treated as non-responsive. If Proposals;
  - Are not submitted in as specified in the Tender document
  - Received without the Letter of Authorization/Power of Attorney
  - Are found with suppression of details
  - With incomplete information, subjective, conditional offers and partial offers submitted
  - Submitted without the documents requested in the checklist
  - Have non-compliance of any of the clauses stipulated in the Tender
  - With lesser validity period
- ii. All responsive Bids will be considered for further processing as below.
  - OCAC will prepare a list of responsive/eligible bidders, who comply with all the Terms and Conditions of the Tender. All eligible bids will be considered for further evaluation by the Committee according to the Evaluation process defined in this Tender document. The decision of the Committee will be final in this regard.

### 3. Criteria for Evaluation

#### 3.1. Pre-Qualification (PQ) – Cum- Technical Criteria

All bids will primarily be evaluated on the basis of Prequalification Criteria- Cum-Technical Bid. The Committee will carry out a detailed evaluation of the Proposals. Only those bidders who qualify all Prequalification & Technical criteria, are eligible for Financial Bid

SL#.	Basic Requirement	Specific Requirements	Documents Required
1.	Legal Entity	i. The bidder should be a Company registered under the Companies Act, 1956/2013 / Proprietary Firm / Partnership Firm. ii. The company offices must have been Registered in Odisha, Registered with Valid GST No and having PAN, & IT Return up to 31 <sup>st</sup> March 2021.	<ul style="list-style-type: none"> <li>• Certificates of incorporation</li> <li>• Registration Certificates, PAN copy &amp; other necessary supporting documents</li> </ul>
2.	Average Sales Turnover in Hardware Sales & Maintenance services	Annual average Turnover Minimum of <b>Rs. 2 Crore</b> generated from IT/ITeS any last three Financial years i.e : FY 2021-22, 2020-21, and FY 2019-20	Extracts from the audited Balance sheet and Profit & Loss; OR Certificate from the statutory auditor
3.	Technical Capability	Bidder must have successfully undertaken at least the following numbers IT Networking supply and associated maintenance services of value specified herein during the last five years as on 31.12.2022 for any Govt./PSU/Autonomous body in India. <ul style="list-style-type: none"> <li>• One project of similar nature not less than the amount Rs. 3.2 Crore;</li> </ul> OR <ul style="list-style-type: none"> <li>• Two projects of similar nature each of which not less than the amount Rs. 2.4 Crore;</li> </ul> OR <ul style="list-style-type: none"> <li>• Three projects of similar nature each of which not less than the amount Rs. 1.6 Crore.</li> </ul> <p><b>'Similar Nature'</b> is defined as , Supply, installation and maintenance of IT hardware &amp; System Networking like Switch's, Servers, Network &amp; Security devices, &amp; other IT devices amongst others</p>	Copy of work order

5.	Undertaking on Authenticity of IT Hardware & peripherals	The bidder should submit an undertaking on Authenticity of IT hardware & Networking peripherals on Bidder Letter Head.	As per Form - 7
6.	Presence in Odisha	The bidder should have a presence in Odisha.	<ul style="list-style-type: none"> <li>• A Self Certified letter by an authorized signatory</li> <li>• A single point of Contact from the Bidder to be submitted along with escalation matrix.</li> </ul>
7.	Blacklisting	The bidder must not under blacklisted by any Department of Government of Odisha or Government of India. The bidder must also disclose full details of any blacklisting by Central or State PSUs/Undertakings/Autonomous Organizations or under a declaration of ineligibility for corrupt or fraudulent practices in last two years 'as on' <b>31/03/2022</b> .	A Self Certified letter by an authorized signatory.
8.	MAF	The bidder should be an OEM or their authorized representative/partner. In case of authorized representative/ partner, a tender specific letter of authorization from original manufacturer for all the items mentioned in BoM(except furniture items) must be furnished.	MAF from OEM
9.	Fees	The Bidder must have furnished the tender document fee of <b>₹11,200/- (inclusive of 12% GST)</b> along with general bid.	Online through ePayment gateway of eNivida Portal

### 3.2. Commercial Bid Evaluation

- i. The Financial Bids of PQ and technically qualified bidders will be opened on the prescribed date in the presence of bidder representatives Online.
- ii. The Bidder, who submits the lowest Commercial bid, shall be selected as the L1 bidder and shall be called for further process leading to the award of the assignment.
- iii. The rates quoted must be FOR destination/ site where the IT Hardware and peripherals are to be delivered, and should include all incidental charges.
- iv. Only fixed price financial bids indicating total price for all the deliverables and

services specified in this bid document will be considered.

- v. The bid price will include all taxes and levies and shall be in Indian Rupees.
- vi. Prices quoted in the bid must be firm and final and shall not be subject to any modifications, on any account whatsoever.
- vii. All the required items must be listed and priced separately in the financial bid. If a financial bid shows items listed but not priced, their prices shall be assumed to be included in the prices of other items.
- viii. **Evaluation will be made on the basis of Total bid price inclusive of all taxes. The bidder has to quote Tax(s) as applicable in the Tax Columns of Financial Bid Format. Evaluation will be done on the basis of Grand Total cost [Total cost = (Unit cost + Taxes as applicable)].**
- ix. **In case of a Tie of the bid price for L1, both the bidders shall be called for further negotiation, then whose ever price becomes L1 will be awarded the contract.**
- x. Any conditional commercial bid would be rejected.
- xi. Errors & Rectification: Arithmetical errors will be rectified on the following basis: "If there is a discrepancy between the unit price and the total price of any item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected accordingly. In case of multiple items, grand total price shall be corrected adding the sub-total costs of each item. If there is a discrepancy between words and figures in respect of unit price, the amount in words will prevail".

#### **4. Appointment of IT Hardware & peripherals Supplier**

##### **4.1. Award Criteria**

OCAC will award the Contract to the successful bidder whose proposal is determined to be substantially responsive as per the process outlined above.

##### **4.2. Right to Accept Any Proposal and To Reject Any or All Proposal(s)**

OCAC reserves the right to accept or reject any proposal, and to annul the tendering process / Public procurement process and reject all proposals at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for OCAC action.



### **4.3. Notification of Award**

Prior to the expiration of the validity period, OCAC will notify the successful bidder through eNivida portal, that its proposal has been accepted. In case the tendering process / public procurement process has not been completed within the stipulated period, OCAC, may like to request the bidders to extend the validity period of the bid.

The notification of award will constitute the formation of the contract. Upon the successful bidder furnishing Performance Bank Guarantee, OCAC will notify each unsuccessful bidder.

### **4.4. Splitting of order**

**The work will be awarded by splitting the total quantities amongst L1, L2 and L3 bidders with ratio of 50:30:20. Bidders have to match all the prices/rates of the L1 bid in each item and complying the other terms and condition of the RFP in a fair and transparent manner.**

- **If L3 will not agree with the L1 bid price then L3 will be eliminated and its 20% will be added to L1, as a result L1 will be awarded by 70% and L2 with 30%.**
- **Similarly, if L2 will not agree with the L1 bid price then L2 will be eliminated and its 30% will be added to L1. as a result L1 will be awarded by 80% and L3 with 20%.**
- **In case both L2 and L3 will not go with L1 bid price then L1 will be awarded by 100% of work order.**
- **The tentative list of location/hospitals to be awarded among L1, L2 and L3 bidders is placed at Annexure-A (clause-7.9)**

### **4.5. Performance Bank Guarantee (PBG)**

- i. The selected bidder will submit a Performance Bank Guarantee (PBG), after issuance of Purchase order or Work order issued by OCAC as per OGFR rules.
- ii. The Performance Bank Guarantee needs to be furnished for Total validity period of 62 months from the date of submission of PBG. The selected bidder shall be responsible for claim period of the Performance Guarantee as and when it is due on account of non completion of the project and Warranty period.
- iii. In case the selected bidder fails to submit performance Bank guarantee within the time stipulated, OCAC at its discretion may cancel the order placed on the selected bidder without giving any notice and may suspend the bidder for a specific period of time as decided by the committee.
- iv. In that event, OCAC, at its discretion, may award the Contract to the next best value bidder with the discovered L1 Price, in case the bidder is agreed and whose offer is valid.

- v. OCAC shall invoke the performance Bank Guarantee in case the selected Vendor fails to discharge their contractual obligations during the project period or OCAC incurs any loss due to Vendor's negligence in carrying out the project implementation as per the agreed terms & conditions.
- vi. Performance Bank Guarantee shall be returned after 2 months of warranty period completion.
- vii. No interest will be paid by OCAC on the amount of performance Bank Guarantee

#### **4.6. Failure to Agree with the Terms and Conditions of the RFP**

Failure of the successful bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event OCAC may award the contract to the next best value bidder or call for new proposals from the interested bidders. In such a case, OCAC shall invoke the PBG of the bidder.

#### **4.7. Fraudulent and Corrupt Practices**

- i. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this RFP, OCAC shall reject a Proposal without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the "Prohibited Practices") in the Selection Process. In such an event, OCAC shall, without prejudice to its any other rights or remedies, forfeit and appropriate Performance Security or suspend the bidder for a specific time period, as the case may be, as mutually agreed genuine pre-estimated compensation and damages payable to the Authority for, inter alia, time, cost and effort of the Authority, in regard to the RFP, including consideration and evaluation of such Bidder's Proposal.
- ii. Without prejudice to the rights of OCAC under Clause above and the rights and remedies which OCAC may have under the LOI or the Agreement, if a Bidder is found by OCAC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the Work Order or the execution of the Agreement, such Bidder shall not be eligible to participate in any tender or RFP issued by OCAC/ Any Department of State Govt. during a period of 2 (two) years from the date of such Bid.
- iii. For the purposes of this Section, the following terms shall have the meaning hereinafter respectively assigned to them:
  - a. "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of OCAC who is or has been associated in any manner, directly or indirectly with the Selection Process.

- b. “fraudulent practice” means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;
- c. “coercive practice” means impairing or harming or threatening to impair or harm, directly or indirectly, any persons or property to influence any person s participation or action in the Selection Process;
- d. “undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by OCAC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or (ii) having a Conflict of Interest; and
- e. “Restrictive Practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Selection Process.

#### **4.8. Conflict of Interest**

The Vendor shall disclose to OCAC in writing, all actual and potential conflicts of interest that exist, arise or may arise in the course of performing the Service(s) as soon as practical after it becomes aware of that conflict.

- i. OCAC considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party’s performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. In pursuance of OCAC’s Procurement Ethics requirement that bidders, suppliers, and contractors under contracts, observe the highest standard of ethics, OCAC will take appropriate actions against the bidder(s), if it determines that a conflict of interest has flawed the integrity of any procurement process. Consequently, all bidders found to have a conflict of interest shall be disqualified.
- ii. A bidder may be considered to be in a conflict of interest if the bidder or any of its affiliates participated as a consultant in the preparation of the solicitation documents/RFP for the procurement of the goods and services that are the subject matter of the bid.
- iii. It may be considered to be in a conflict of interest with one or more parties in the bidding process if
  - a. they have controlling shareholders in common; or
  - b. it receives or have received any direct or indirect subsidy from any of them;  
or
  - c. they have the same legal representative for purposes of the Bid; or
- c. they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the tendering authority regarding this bidding process.

## **5. Terms and Conditions: Applicable Post Award of Contract**

### **5.1. Termination Clause**

#### **5.1.1. Right to Terminate the Process**

OCAC reserves the right to cancel the contract placed on the selected bidder and recover expenditure incurred by OCAC under the following circumstances: -

- i The selected bidder commits a breach of any of the terms and conditions of the bid.
- ii The bidder goes into liquidation, voluntarily or otherwise.
- iii If the selected bidder fails to complete the assignment as per the time lines prescribed in the RFP and the extension if any allowed, it will be a breach of contract. OCAC reserves its right to cancel the order in the event of delay and forfeit the bid security as liquidated damages for the delay.
- iv In case the selected bidder fails to deliver the quantity as stipulated in the delivery schedule, OCAC reserves the right to procure the same or similar product from alternate sources at the risk, cost and responsibility of the selected bidder, after 2 weeks of cure period.
- v OCAC reserves the right to recover any dues payable by the selected Bidder from any amount outstanding to the credit of the selected bidder, including the pending bills and/or invoking the bank guarantee under this contract.

#### **5.1.2. Consequences of Termination**

- i. In the event of termination of the Contract due to any cause whatsoever, [whether consequent to the stipulated term of the Contract or otherwise, OCAC shall be entitled to impose any such obligations and conditions and issue any clarifications as may be necessary to ensure an efficient transition and effective business continuity of the Service(s) which the Vendor shall be obliged to comply with and take all available steps to minimize loss resulting from that termination/breach, and further allow the next successor Vendor to take over the obligations of the erstwhile Vendor in relation to the execution/continued execution of the scope of the Contract. ii. Nothing herein shall restrict the right of OCAC to invoke Performance Bank Guarantee and other guarantees, securities furnished, enforce the Deed of Indemnity and pursue such other rights and/or remedies that may be available to OCAC under law or otherwise.
- ii. The termination hereof shall not affect any accrued right or liability of either Party nor affect the operation of the provisions of the Contract that are expressly or by implication intended to come into or continue in force on or after such termination.

#### **5.1.3. Extension in Delivery Period and Liquidated Damages (LD)**

- i. Except as provided under clause "Force Majeure", if the selected bidder fails to deliver any or all of the Goods or perform the Related Services within the period

specified in the Contract, OCAC may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in sub clause (iv) below for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in sub clause (iv). Once the maximum timeline is reached, the Purchaser may terminate the Contract pursuant to clause "Termination".

- ii. The time specified for delivery in the tender form shall be deemed to be the essence of the contract and the selected bidder shall arrange goods supply and related services within the specified period.
- iii. Delivery and completion period may be extended with or without liquidated damages, if the delay in the supply of goods or service is on account of hindrances beyond the control of the selected bidder to be determined by OCAC.
  - a. The supplier/ selected bidder(s) shall request in writing to OCAC giving reasons for extending the delivery period of service, if he finds himself unable to complete the supply of goods or service within the stipulated delivery period or is unable to maintain prorata progress in the supply of goods or service delivery. This request shall be submitted as soon as a hindrance in delivery of goods and service occurs or within **15 days** from such occurrence but before expiry of stipulated period of completion of delivery of goods and service after which such request shall not be entertained.
  - b. OCAC shall examine the justification of causes of hindrance in the delivery of goods and service and the period of delay occurred due to that and recommend the competent authority on the period of extension which should be granted with or without liquidated damages.
  - c. If the competent authority agrees to extend the delivery period/ schedule, an amendment to the contract with suitable denial clauses and with or without liquidated damages, as the case may be, shall be issued. The amendment letter shall mention that no extra price or additional cost for any reason, what so ever beyond the contracted cost shall be paid for the delayed supply of goods and service.
  - d. It shall be at the discretion of the competent authority to accept or not to accept the supply of goods and/ or services rendered by the contractor after the expiry of the stipulated delivery period, if no formal extension in delivery period has been applied and granted. The competent authority shall have right to cancel the contract with respect to undelivered goods and/ or service.
- iv. In case of extension in the delivery and/ or completion period is granted with

full liquidated damages, the recovery shall be made on the basis of following percentages of value of goods which the selected bidder has failed to supply or complete :

No.	Condition
1	For delay in delivery of materials beyond the delivery schedule mentioned in the work order, <b>LD @ 0.5%</b> per week or part thereof for the pending materials order value up to maximum <b>5%</b> will be deducted.

- a. The maximum amount of liquidated damages shall be 5% of the total order value.
- b. OCAC reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by OCAC to the bidder.

## 5.2. Service Level Agreement and Penalties

- i. SLA defines the terms of the successful bidder's responsibility in ensuring the performance of the hardware & all other accessories supplied as per the **Scope of Work** as specified in the RFP document based on the agreed Performance Indicators.
- ii. The Bidder shall provide comprehensive, end-to-end service including supply, warranty and replacement of the defective Hardware & peripherals in case of physical damage until delivered at the 4 Nos of Premier Hospitals, 3 nos of MCHs and 73 Nos of UPHCs of all districts (except Khordha and Jharsuguda). No reason shall be entertained (unless those mentioned in Force Majeure) in case of un-availability of any service given in the **Scope of Work** in this RFP and the appropriate **penalty** shall be levied.
- iii. The selected bidder and OCAC shall regularly review the performance of the services being provided by the selected bidder and the effectiveness of this SLA.
- iv. The following measurements and targets shall be used to track and report performance on a regular basis. The targets shown in the following tables are applicable for the entire duration of the Contract /Project, failing which the selected bidder(s) is liable to be penalized:

Note :

- a. **Upper limit of the penalties due to default in SLA Warranty is 5% of the entire PO value.**
- b. **T is the time when user reports the defect with the IT Hardware and peripherals by complain log in through web/ help desk. The bidder shall generate a Ticket on receipt of complaint and also has to keep proper record of 'Complaint Date' & 'Issue Resolution Date.'**

Sl.No.	Description	Service Level	Applicable Penalty
1.	Completion of LAN work as per scope of work	12 weeks from the date of the confirmation letter from OCAC on approval of site survey report	No penalty
		Beyond 12 weeks	0.5% of the value of the pending items per week
2.	Resolution of any hardware or network related issue during the maintenance period.	Within 1 working days from the date of reporting of issue	No Penalty
		> 3 - 14 working days	The bidder shall provide temporary replacement of device(s) in which the issue has been reported. Failing to do so will attract penalty of Rs. 200 per day per reported device
		> 14 working days	Rs. 300 per day per reported device, maximum up to 60 days, post that the department shall reserve the right to terminate the contract and forfeit the PBG

- iii. In case, it is not resolved between OCAC and the bidder, it will be referred to Principal Secretary to Govt., E&IT Department., Govt. of Odisha for negotiation and his decision would be final and binding for both the parties.
- iv. In case any dispute between the Parties, does not settle by negotiation in the manner as mentioned above, the same may be resolved exclusively by arbitration and such dispute may be submitted by either party for arbitration within **20 days** of the failure of negotiations. Arbitration shall be held in

**Bhubaneswar** and conducted in accordance with the provisions of Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. Each Party to the dispute shall appoint one arbitrator each and the two arbitrators shall jointly appoint the third or the presiding arbitrator.

- v. The "Arbitration Notice" should accurately set out the disputes between the parties, the intention of the aggrieved party to refer such disputes to arbitration as provided herein, the name of the person it seeks to appoint as an arbitrator with a request to the other party to appoint its arbitrator within **45 days** from receipt of the notice. All notices by one party to the other in connection with the arbitration shall be in writing and be made as provided in this tender document.
- vi. Each Party shall bear the cost of preparing and presenting its case, and the cost of arbitration, including fees and expenses of the arbitrators, shall be shared equally by the Parties unless the award otherwise provides. The Bidder shall not be entitled to suspend the Service/s or the completion of the job, pending resolution of any dispute between the Parties and shall continue to render the Service/s in accordance with the provisions of the Contract/Agreement notwithstanding the existence of any dispute between the Parties or the subsistence of any arbitration or other proceedings.

### **5.3. Notices**

Notice or other communications given or required to be given under the contract shall be in writing and shall be faxed/e-mailed/hand-delivery with acknowledgement thereof, or transmitted by pre-paid registered post or courier.

### **5.4. Force Majeure**

Force Majeure is herein defined as any cause, which is beyond the control of the selected bidder or OCAC as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:

- i. Natural phenomenon, including but not limited to floods, droughts, earthquakes and epidemics
- ii. Acts of any government, including but not limited to war, declared or undeclared priorities, quarantines and embargos
- iii. Terrorist attack, public unrest in work area provided either party shall within 10 days from occurrence of such a cause, notifies the other in writing of such causes. The bidder or OCAC shall not be liable for delay in performing his/her obligations resulting from any force majeure cause as referred to and/or defined above. Any delay beyond 30 days shall lead to termination of contract by parties and all obligations expressed quantitatively shall be calculated as on date of termination. Notwithstanding this, provisions relating to indemnity, confidentiality survive termination of the contract.



## 5.5. Failure to agree with Terms and Conditions of the RFP

Failure of the successful bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event OCAC shall invoke the PBG of the selected bidder and may award the contract to the next best value bidder or call for new proposals from the interested bidders.

## 6. Scope of Work

Scope of work includes Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 UPHCs) under the OeHMIS Project.. The selected bidder shall be responsible for execution of the following work.

<b>A</b>	<b>4 Nos Premier Hospitals</b>
1	Srirama Chandra Bhanja Medical College and Hospital, Cuttack (SCB)
2	Sardar Vallabhbhai Patel Post Graduate Institute of Paediatrics, Cuttack(SVPPGIP)
3	Acharya Harihar Post Graduate Institute of Cancer, Cuttack(AHPGIC)
4	Capital Hospital, Bhubaneswar
<b>B</b>	<b>3 Nos MCHs</b>
1	Maharaja Krushna Chandra Gajapati Medical College and Hospital ,Brahmapur, Ganjam(MKCG)
2	Veer Surendra Sai Institute of Medical Sciences and Research, Burla, Sambapur (VIMSAR MCH)
3	Saheed Laxman Nayak Medical College and Hospital, Koraput (SLN MCH)
<b>C</b>	<b>73 Nos UPHC of all Districts (Except Khordha &amp; Jharsuguda)</b>

Details of the locations are as follows

SL#	District	Institution Name	Institution Type
1	Anugul	Anugul	UPHC
2	Balangir	Kandhapalipada	UPHC
3	Balangir	Sastri Nagar	UPHC
4	Baleshwar	Sahadev Khunta	UPHC
5	Baleshwar	Sovarampur	UPHC
6	Baleshwar	Sunahat	UPHC
7	Bargarh	MMC: Municipality Maternity Center	UPHC
8	Bargarh	Station Pada	UPHC
9	Bhadrak	Bagurai	UPHC
10	Bhadrak	Bhadrak	UPHC
11	Bhadrak	Purunabazar	UPHC
12	Cuttack	Bidanasi	UPHC
13	Cuttack	Bidyadharpur CRRI	UPHC

14	Cuttack	Bidyadharpur	UPHC
15	Cuttack	Brajaramba Jobra	UPHC
16	Cuttack	Kapaleswar	UPHC
17	Cuttack	Madhusudan Das Tulasipur	UPHC
18	Cuttack	Manjulata Dispensary Khan Nagar	UPHC
19	Cuttack	Nimpur	UPHC
20	Cuttack	Nuabazar	UPHC
21	Cuttack	Nuahata	UPHC
22	Cuttack	Odia Bazar	UPHC
23	Cuttack	Thoria Sahi	UPHC
24	Cuttack	Tulasipur	UPHC
25	Dhenkanal	Kathagada_Dhenkanal	UPHC
26	Gajapati	Municipality_Paralakhemundi	UPHC
27	Ganjam	Aga Sahi Berhampur	UPHC
28	Ganjam	Ambapua	UPHC
29	Ganjam	Baikuntha Nagar	UPHC
30	Ganjam	Berhampur Zonal :Aska Road	UPHC
31	Ganjam	Khodasinghi	UPHC
32	Ganjam	Red Cross Hospital Berhampur	UPHC
33	Ganjam	Uttarmukhi	UPHC
34	Ganjam	Uttreswar : Good Shed	UPHC
35	Jagatsinghapur	Paradeep	UPHC
36	Kalahandi	College Chhaka_Bhawanipatna	UPHC
37	Kandhamal	Pulbani	UPHC
38	Kendrapara	Kendrapara	UPHC
39	Kendujhar	Nalda_Barbil	UPHC
40	Kendujhar	Baneikala_Joda	UPHC
41	Kendujhar	Municipality	UPHC
42	Koraput	Gandhinagar_Koraput	UPHC
43	Koraput	Jagadhatripur_Jeypore	UPHC
44	Koraput	Jeypore LR	UPHC
45	Koraput	Similiguda	UPHC
46	Malkangiri	Malkangiri	UPHC
47	Mayurbhanj	Debendrapur	UPHC
48	Mayurbhanj	Municipality Hospital	UPHC
49	Mayurbhanj	Tulasichaura	UPHC
50	Nabarangapur	Nabarangapur	UPHC
51	Puri	Chandan Hazuri Paediatric Hospital	UPHC
52	Puri	KDMM	UPHC
53	Puri	Municipality Dispensary Dolabedikona	UPHC
54	Puri	Municipality Hospital Swargadwar	UPHC
55	Puri	Penthakata	UPHC
56	Rayagada	Rayagada	UPHC
57	Rayagada	Gunupur	UPHC

58	Rayagada	Rayagada2	UPHC
59	Sambalpur	Burla	UPHC
60	Sambalpur	Chaurpur	UPHC
61	Sambalpur	Dhankauda	UPHC
62	Sambalpur	Dhanupali	UPHC
63	Sambalpur	J Pujari Maternity Home	UPHC
64	Sambalpur	Khetrampur Dispensary	UPHC
65	Sambalpur	Maneswar	UPHC
66	Sambalpur	UFWC: Urban Family Welfare Centre	UPHC
67	Sundargarh	Bandhamunda	UPHC
68	Sundargarh	Biramitrapur	UPHC
69	Sundargarh	Hamirpur	UPHC
70	Sundargarh	Mahatab Road	UPHC
71	Sundargarh	Sector-22	UPHC
72	Sundargarh	UFWC: Urban Family Welfare Centre	UPHC
73	Sundargarh	Sundargarh	UPHC
74	Cuttack	SCB, Cuttack	Premier
75	Cuttack	SVPPGIP, Cuttack	Premier
76	Cuttack	AHPGIC. Cuttack	Premier
77	Khordha	Capital Hospital, Bhubaneswar	Premier
78	Ganjam	MKCG, Berhampur	MCH
79	Sambalpur	VIMSAR, Burla	MCH
80	Koraput	SLN_Koraput	MCH

### 6.1. Detailed Scope of Work

The scope of work of bidder includes the following activities:

- 1 Site survey & feasibility is to be undertaken for identification of the actual places in the premises where hardware, network, WiFi, power and earthing points are required to be installed. This task should be completed within 15 days from the date of Lol/PO.
- 2 The bidder should submit the Hospital wise LAN diagram by indicating the switch, IO etc. with site survey report.
- 3 Supply, Installation & Integration, Commissioning of LAN and hardware infrastructure .
- 4 The bidder shall ensure smooth & seamless integration of the supplied equipment's with the existing network infrastructure at 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda), if available. The entire ICT Infrastructure installed shall be implemented / customized in accordance with the network deployment architectures to be designed as per guidelines.
- 5 Structured LAN cabling for complete ICT infrastructure at 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) Complex as per technical specifications as given in clause-6.6.

- 6 Monitoring, Management and Maintenance of ICT Infrastructure comprising of UTM, Router, Switches, UPS, Structured LAN Cabling (including UTP & Fiber etc) and electrical work as given in clause 6.3 and 6.6 respectively.
- 7 All components provided by the bidder shall adhere to specifications given in clause 6.3 and 6.6.
- 8 **Necessary Cabling for drawing power from the power source provided by the 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) UPHC near Racks.**
- 9 After physical inspection & preliminary testing, the supplier shall prepare a detailed plan for Installation of equipment's in consultation with 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) Manager.
- 10 Comprehensive Warranty Support Services for a period of 5 years The bidder shall provide five years comprehensive onsite warranty support services of entire ICT Infrastructure (All Network Equipment's and hardware which are supplied by them). The warranty support services shall be valid for a period of 05 year from the date of final acceptance of all the equipment's by consignee or 60 months from the date of delivery to the consignee at their respective site (in case the delay in implementation is on the part of user), whichever is earlier. Individual OEM warranty certificate for all the items installed to be submitted. The warranty support services shall include:
  - 11 The bidder shall provide onsite maintenance of complete ICT infrastructure.
  - 12 The bidder shall attend the sites on call basis (24 x 7 x 365) for providing support to the hardware equipment's/ LAN related problems to meet the SLA as defined.
  - 13 All the hardware equipment's and structured LAN cabling components (UTP & Fiber) with all electrical work in BOM/BOQ shall have on-site warranty support i.e. the repair / replacement of faulty units during the warranty period have to be ensured at sites after the complaint is lodged with the respective resident engineer or on centralized helpdesk of bidder.
  - 14 Bidder shall nominate an Account Manager / Senior functionary for day-to-day coordination with 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) throughout the warranty support service period.
  - 15 The bidder shall provide a complaint Escalation mechanism for 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) with complete details including address, phone number etc. for escalation of complaints during the warranty period.
  - 16 The bidder should have a centralized helpdesk for logging of complaints. After the call is logged, the complainant should receive a call back within 1 hour to brief the status of the call logged and the details of the engineer to whom the call is assigned, for efficient and quick resolution of the problem.
  - 17 The bidders shall provide provision to log complaints/ open support cases directly with OEM on 24 X 7 basis through Phone/Email/Web for hardware and Networking equipment's. Problems in equipment which causes downtime/degradation of services

and resolution of which require development of patches, bug fixes etc. shall be treated by OEM on urgent basis.

- 18 The OEM shall provide appropriate solution on fast-track basis so that desired service levels are maintained. The bidder shall furnish an undertaking from OEM in this regard along with detailed process document to take support from OEM.
- 19 The bidder shall provide Upgrades and Updates for entire ICT infrastructure as and when released by OEMs and shall be made available free of cost. Software updates/upgrades shall also be done keeping in view advancement in technology, shortcomings of the system, security vulnerabilities, or changes required for improving functional efficiency and security level of the system. The bidder shall ensure complete rollback to original status in case of problem and shall take necessary system backups before the activity.
- 20 If required, bidder shall maintain their own inventory of spares so as to give fast and efficient service and 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts shall not procure or stock spares. Bidder shall arrange its own tools and test equipment's for the maintenance service at these sites.
- 21 Bidder shall depute resources and also arrange for OEM resources (if required) for any activity planned in ICT infrastructure at 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda).
- 22 All the patches and upgrades of network equipment's and hardware infra are to be carried out by the bidder as per the recommendations and releases done by the OEMs.
- 23 The bidder shall attend sites and carry out preventive maintenance at least half yearly in off-peak hours in consultation with Tech In-charge. The preventive maintenance schedule shall include the following:
- 24 Diagnostic tests to check all equipment's/servers by running the console diagnostics tests to check hardware network ports, various functional modules etc.
- 25 Shall use diagnostic software or alternative facility/facilities to diagnose and analyze predictive failures.
- 26 The various components required for structured cabling shall be tested using Industry standard testing/measurement instruments (such as Fluke meter, Penta scanner, Optical Time Domain Reflectometer) to verify applicable performance parameters. These parameters shall include impedance (in ohms), propagation delay, Delay skew, resistance (ohms), NEXT (near end cross talk), FEXT (far end cross talk), return loss, ACR (attenuation to cross talk ratio), Insertion Loss, Return Loss, pairs, attenuation, power sum next etc. Any component or cable not meeting the requisite performance parameter shall be replaced and complete report of the test activity including the corrective action submitted to respective 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda)
- 27 If any fault is detected during diagnostics then take necessary steps to rectify it and replace it, if required.
- 28 Analyse error log for errors reported since previous Preventive Maintenance activity.

- 29 If any errors are observed in error log, analyze them in detail and carry out necessary activities to eliminate them.
- 30 During implementation and warranty support service period, if it is observed that any of the supplied components of ICT Infrastructure and electrical infrastructure (Network equipment's, hardware and electrical infra) is not able to handle load or its performance is not able to meet the functional requirements/ technical specifications given in the Tender, the bidder at its own cost shall replace that component (software or hardware) with higher end equipment or provide additional Hardware /software components/License for meeting the technical specifications.

## **6.2. Distribution of Hardware and LAN**

The below mentioned tables shows the tentative list of hardware to be deployed at various sections/departments within the hospital. The bidder has to make a detailed survey of the each of the location and prepare a LAN diagram with installation points and accordingly execute the work.

### 6.3. Bill of Materials [BoM]

4 Premier Health Institutions, 73 UPHC(Except Khordha & Jharsuguda)										
Item Description	Quantity									
	Unit	SVPPGI P	Capital	AHPGI C	SCB	MKCG MCH (Ganjam)	VIMSAR MCH (Sambalpur)	SLN MCH (Koraput)	73 UPHC(Except Khordha & Jharsuguda)	Total Quantity
<b>Network Passive components</b>										
1 Category 6 UTP Cable ( In Meters)	Meter	5280	14250	11370	41100	1250	600	680	36500	111030
2 Cat-6 I/O Jack with back box and Face Plate	No	99	341	290	1170	25	12	12	803	2752
3 Ethernet Patch/ Jack panel Cat 6 UTP ( 24 Ports) with mounting accessories	No	15	20	17	52	4	3	3	73	187
4 6 Core Single-Mode Fiber Optic Cable (In meters)	Meter	1890	1540	1400	0	495	250	0	0	5575
5 12 Port OFC LIU Loaded with Adaptor, connectors and pigtails.	No	10	7	6	3	1	1	0	0	28
6 Single Mode 1G GB-FC OFC Transceivers	No	22	17	14	8	4	4	1	146	216
7 Fiber patch cord	No	22	17	14	8	4	4	1	146	216
8 22 U Rack for network/server room with Accessories(Floor standing)	No	1	1	1	1	1	1	1	73	80
9 9 U Rack with Accessories for N/W Edge Switch	No	14	18	15	50	3	2	2	73	177
10 UTP Patch Cord Cat 6 UTP 3 Ft	No	99	341	290	1170	25	12	12	803	2752
11 UTP Patch Cord Cat 6 UTP 7 Ft	No	73	104	185	627	29	16	16	949	1999
12 PVC/Conduit pipe for Cat-6 [ in Mts]	No	3640	8260	7140	28000	560	280	280	36500	84660
13 PVC conduit Pipe for OFC laying[ in Meters]	Meter	980	1260	420	0	205	80	0	0	2945
14 HDPE Pipe for OFC laying (without digging)	Meter	1400	280	700	0	290	170	0	0	2840
15 HDPE Pipe for OFC laying (with digging) in meter (price discovery item)	Meter	280	280	280	0	100	0	100	0	1040
16 Fixing of IO	No	99	341	290	1170	25	12	12	803	2752
17 Fixing of Jack Panel	No	15	20	17	52	4	3	3	73	187
18 Fixing of Rack	No	15	20	17	52	4	3	3	73	187
19 Earthing(Chemical) with accessories	No	1	1	1	1	1	1	1	73	80
20 Configuration, Testing and Commissioning of the Data Networking system with 5 year warranty	Per Hospital	1	1	1	1	1	1	1	73	80

**4 Premier Health Institutions, 73 UPHC(Except Khordha & Jharsuguda)**

Item Description	Quantity									Total Quantity
	Unit	SVPPGI P	Capital	AHPGI C	SCB	MKCG MCH (Ganjam)	VIMSAR MCH (Sambalpur)	SLN MCH (Koraput)	73 UPHC(Except Khordha & Jharsuguda)	
<b>Network Active Components</b>										
1 Network Router	No	1	1	1	1	1	1	1	73	80
2 24 Port Gigabit SFP Ports - Layer 3 Core Switch	No	1	1	1	1	1	1	1	73	80
3 24 Port Gigabit Ethernet Managed L2 Switch	No	15	20	17	52	1	1	1	73	180
4 Firewall / UTM Device	No	1	1	1	1	1	1	1	0	7
5 Wireless Access Points with adaptor, PoE and cables	No	25	41	42	81	0	0	0	292	481
<b>UPS Infrastructure</b>										
1 On-Line 2 KVA UPS for Network Rack	No	0	0	0	1	1	1	1	73	77
2 Line Interactive 1 KVA UPS ( With 30 Mnts backup)	No	78	49	137	383	24	11	11	511	1204
<b>BOQ of Electrical &amp; Other Infrastructure</b>										
1 Electrical points in Hospital Campus(5/15 Amp)--Electrical Wiring with All materials (i.e: Power Switch, Socket, DP and other accessories)	No	133	490	419	1540	59	32	32	1168	3873



- a . Above bill of material is indicative in nature. There may be increase/decrease of materials after site survey/ while execution of work
- b. All the items mentioned in Bill of Material section must have 5 years of onsite Warranty Support
- c. Bidder to quote all the products/equipment mentioned in the Bill of Materials. Otherwise the bid will not be considered.
- d. Bidder has to furnish tender specific Manufacture Authorisation Form against all the item mentioned in the Bill of Material. The Manufacture Authorisation Form should be issued by concern OEM.
- e. Bidder to furnish the bill of materials of the items quoted under the tender in technical bid.

#### **6.4. Comprehensive OEM Warranty and support services**

The Successful bidder shall:

- i. Provide onsite warranty and support for entire network for a period of 5 years.
- ii. Provide comprehensive OEM Warranty and support services through its designated Support Service Centres / Resident Engineers.
- iii. Warranty to start from date of acceptance of material by competent authority.
- iv. Be responsible to ensure adequate and timely availability of spare parts needed for repairing the supplied goods at the service support centres / Resident Engineers during the warranty period.
- v. The Successful bidder to provide Single Point of Contact Details (SPOC) for warranty and Support.

#### **6.5. Delivery and Installation**

**The bidder should supply and install all the materials at 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) within 12 weeks from the date of PO. LAN must be completed within 12 weeks from the date of confirmation letter issued to bidder on approval of site survey report.**

#### **6.6. Specification of the hardware and Networking Items**

All the specifications below are minimum specifications and higher specifications shall be used wherever necessary/ required. Deviation on higher side shall only be considered The bidder need to fill up and submit the technical compliance sheet in pre-qualification-cum-technical proposal

### 6.6.1. Item 1: Specifications of Router

**Make: (Bidder to Specify)**

**Model: Bidder to specify**

SL#	Item	Description of Requirement	Compliances (Yes/No)
1.	Memory	Flash Memory should be minimum of 256MB.	
		Min. RAM .512MB.	
		Minimum 800Kpps packet forwarding performance	
2.	Interface	Router should have at least two 10/100/1000M Gigabit routable WAN Ethernet ports and one 10/100/1000M Gigabit LAN Ethernet port.	
		Router should have one console port	
		Router should have one Auxiliary port/USB Port	
3.	Software	Router Should support Frame Relay Protocol	
		Router Should support PPP Protocol	
		Router Should support PPPOE(Server/Client) Protocol	
		Router Should support HDLC Protocol	
		Router Should support 802.1q Protocol	
		Router Should support MPLS Protocol	
		Router Should support ARP & Proxy ARP	
		Router Should support DNS & DNS Proxy	
		Router Should support NAT	
		Router Should Support ICMP & IGMP	
		Router Should Support DHCP (Server/Client/relay)	
		Router Should Support IP Multicast	
		Router Should Support PIM-DM/SM	
4.	Routing	Router should support Static Routing	
		Router Should Support RIP	
		Router Should Support OSPF	
		Router Should Support EIGRP or Equivalent	
		Router Should Support BGP-4	
		Router Should Support PBR	
5.	Security	Router Should Support AAA Radius	
		Router Should Support TACACS+	
		Router Should Support State full Firewall/Zone based firewall	
		Router Should Support L2TP,PPTP,GRE,IPSEC,IKE & MPLS VPN	
		Router Should Support VLAN	
6.	Reliability	Router should support port backup	
		Router Should support HSRP or Equivalent	
7.	QoS	Router Should Support FIFO,PQ,CQ,CBWFQ,WFQ,RED,WRED,DSCP	
		Router Should Support IP Precedence	
		Router Should Support RSVP & CAR	
8.		Router Should Support SNMP V1/2/3	

	Network Management	Router Should Support RMON	
		Router Should Support Console Access	
		Router Should Support Telnet Access	
		Router Should Support TFTP for firmware upgrade	
9.	Physical & Environmental	Router Should be able to work in minimum 0 to 40' C temperature	
10	Enclosure	Rack Mounting enclosures should be supplied along with Router	
11	Standard Warranty & Support	5 years on-site NBD	

### 6.6.2. Item – 2: Specifications of Central Core (L3) Switch

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Item	Description of Requirement	Compliances (Yes/No)
Make & Model Offered	Mention Make & Model	
Interface options	Minimum 24 x 1G SFP ports Shall have dedicated Console Port for management or Higher. Should support redundant hot swappable management module. Should be ready from day 1, loaded with relevant modules.	
Power Redundancy	Dual load-sharing internal power supplies (1+1 Redundancy) with dual FAN tray	
Architecture	Switching architecture providing Non- Blocking & Wire speed Performance	
	Throughput : 128MPPS or higher	
	Should have 1GB RAM or higher;	
	Switching capacity 150 Gbps or higher	
	MAC Address Table: 32K Entries or higher, Shall support 15K or higher routing entries	
Performance	Non-blocking architecture with non-blocking switching throughput (full duplex)	
Security	RADIUS, TACACS+: allow and deny SSH v1, v2, HTTPS	
VLANs	Port-based VLANs, VLAN and active VLAN support (802.1Q)	
Spanning tree	Multiple spanning tree (802.1s), Rapid spanning tree (802.1w),	
Quality of service	QoS 802.1p (Priority queues), DSCP remarking,	
Routing protocols	RIP v1/v2, OSPF, BGP, PBR from day-1	
High availability	Virtual Router Redundancy support (VRRP) or equivalent	
Management	USB boot or equivalent	
IPv4 & IPv6 Compliant	IPv6 Compliant & other standard IPv4 protocols	
Multicast	IGMP v1, v2, v3 and equivalent protocols	
Protocols	IPv6 Compliant, SNMP v1, v2c & v3, RMON, NTP/SNTP support, DHCP client, DHCP Server, 9K Jumbo Frames	
Certifications	Emissions: FCC Class A, VCCI, UL, IEC or equivalent	
Temperature	operating: 0° C to + 40° C (minimum)	
Relative humidity	Non-condensing, operating 5 to 95 %	

Enclosure & Accessories	Rack Mounting enclosures should be supplied along with all accessories.	
Warranty & Support	5 Years Comprehensive Warranty on Hardware & Software. Warranty on Software should include access to Free Upgrades & Free Updates.	

### 6.6.3. Item 3: Specifications of 24 Port Gigabit Ethernet Port Edge Switch

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Item	Description of Requirement	Compliances (Yes/No)
Interface Options	The switch should have Minimum 24*100/1000 T (Gigabit) Ethernet Ports + 4 or more x 1/10G SFP+ ports. Should be ready from day 1, loaded with relevant modules.	
Architecture	Single Switch should provide Non-Blocking Wire speed performance.	
	Switch shall have minimum 128Gbps switching capacity	
	The switch should have less than or equal to 5 uSec latency	
	Should have 512 MB RAM or higher	
	Switch should support at least 200 concurrent VLANs or higher	
	Must support STP/PVST or equivalent	
	64-Byte Packet Forwarding Rate: 95Mpps or higher; MAC Address Table Size: 8K or higher	
Security	802.1x with VLAN assignment, Private VLAN edge or port security, RADIUS	
	Port based ACLs, SSL, Secure hardware based storage of crypto keys	
	Denial-of-Service (DoS) protection or equivalent	
Spanning Tree	Should support Multiple Spanning Tree (802.1s), Rapid Spanning Tree (802.1w),	
Multicast	IGMP	
Protocols	SNMP v1, v2c, v3, RMON, 9K Jumbo Frames	
Certification	EMI/EMC: FCC Class A, VCCI Class A or equivalent	
Temperature	operating: 0° C to + 40° C (minimum)	
Enclosure & Accessories	Rack Mounting enclosures and other accessories for mounting.	
Warranty & Support	5 Years Comprehensive Warranty on Hardware & Software. Warranty on Software should include access to Free Upgrades & Free Updates.	

### 6.6.4. Item – 4: Unified Threat Management (UTM)

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

#	Specifications	Compliances (Yes/No)
1	Firewall: Appliance based firewall with build in OS	

2	Should have CLI, GUI and console option	
3	Offered Product should have EAL/ICSA certification and OEM shall be in category in last two published MQ reports of Gartner for UTM Firewall.	
4	Number of NIC slots, should have minimum 10x 10/100/1000 Mbps Ethernet interfaces, Min 4x SFP+ interface for fiber connectivity	
5	The Antivirus/Antimalware should have a guaranteed throughput of more than 3.4 Gbps .	
6	Firewall should not use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet	
7	Number of sessions : should support at least 1 million concurrent sessions	
8	Should have a State-full throughput of at least 5 Gbps for Firewall	
9	The Intrusion Prevention should have a guaranteed throughput of more than 3.5 Gbps	
10	Licensing: should be as per device license and not user/IP based license.	
11	Integrated purpose built in Firewall and VPN: This feature should be easy to configure and use. Should have a support inbuilt for IPSEC VPNs, should support DES, 3 DES and AES (128,192, 256)	
12	Integrated SSL VPN with license for 100 users should be provided from day one.	
13	Firewall should have built in IPS, Antivirus and web filtering license and should get automatically updates from the internet.	
14	Should also have support for Antibot, GeoIP Protection and Data leakage prevention with application control as well	
15	Should have integrated application control. Should be able to define security policy and enforcement for thousands of applications, regardless of the port or the protocol used for communication.	
16	Management: should support management of the box through HTTPS as well as SSH along with console access.	
17	Security Policy: should be easy to configure and manage the firewall policies.	
18	NAT: should support dynamic NAT as well as one-to-one NAT.	
19	Performance: Robust High Level Threat Protection Performance for firewall and VPN and should minimum of 3.5 Gbps firewall Threat Protection throughput and 2 Gbps IPsec VPN Throughput	
20	High Availability: The firewall should be able to support high availability (active - active or active - Passive/hot standby)	
21	Multi WAN/ISP support: should support automatic ISP failover as well as ISP load sharing for outbound traffic. Should have separate interfaces for terminating dual ISP Ethernet connectivity.	
22	Traffic Management: option to configure traffic shaping on a per policy basis for specific application/specific networks and should be able to define guaranteed bandwidth and maximum bandwidth per policy.	
23	The appliance should support VLAN tagging (IEEE 802.1q) and should support VLANs on all interfaces and minimum of 256 VLAN should be Supported	
24	Should have option to block file based on their extension.	
25	The firewall must support cloud or appliance based Sandbox technology and OEM must have own Advanced Threat Protection solutions.	
26	The Firewall should support RIPv1 , RIPv2 OSPF & BGP .	
27	Logging & Reporting : should support secure and generate reports based on the firewall logs	

28	The Firewall should have the capability to block/prevent from Side Channel attacks like Meltdown, Spectre, Foreshadow, Foreshadow-NG, Portsmash etc.	
29	Should support min 20K DPI signatures, 60 millions Cloud AV signatures and 3500+ Application Signatures from day one.	
30	Should have configurable options to enable logging at a firewall policy level , log denied traffic details etc.	
31	OEM should have TAC and R&D center in INDIA. Proposed Solution should support 24x7 telephone, email and web-based technical support.	
32	Manufacturer's warranty should be mentioned minimum 05 (Five) years warranty including all services like GAV, IPS, Antispyware or antimalware, CFS, Application control, BoT protection , Advance Threat Protection, Patch & Firmware upgrade.	

### 6.6.5. Item – 5: Specifications of Wi-Fi Access Point

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Parameter	Specifications	Compliances (Yes/No)
Interfaces	Wireless access point should support IEEE 802.11a/b/g/n/ac/ax and should be wave-2 ready from day-1, 2.4GHz and 5 GHz concurrent operations. It should have dual antenna and minimum 2x2 MIMO with 2 spatial stream configurations on 5GHz.	
Bandwidth	1700 Mbps or higher	
Ports	Minimum 1 x LAN 100/100 port or Higher ;Should support Zigbee and Bluetooth 5	
	It should allow concurrent sensing on 2.4 GHz and 5.0 GHz.	
Security	It should support WPA2 and WPA3 enterprise-class strong security with RADIUS and certificate authentication.	
Encryption	It should support Encryption 64-bits & 128 bits	
Management	It should support Dynamic channel management.	
Protocol Support	It should support up to 500Mbps data rate on the 2.4GHz radio and up to 1.2Gbps on the 5GHz radio.	
Standards	802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, and 802.11ax network standard.	
Antenna	Omni-directional antennas (attached/integrated), Minimum 4 dBi in 2.4GHz and minimum 5 dBi in 5GHz	
PoE	It should be Auto-sensing 10/100/1000 Ethernet PoE with standard 802.3af or better and should have console access	
Compliance	It should have Regulatory Certification IEC 60950, IEC 60950-1/WEE/ROHS. The Max transit power of the AP + Antenna should be as per WPC norms for indoor Access Points. OEM to give an undertaking letter stating that the AP will configure as per WPC	

	guidelines for indoor AP and also submit the WPC certificate showing approval.	
Operational	Must support remote login with Telnet or SSH login to Aps directly for troubleshooting flexibility	
	AP must be offered with required controller software/hardware. AP must support operation in stand-alone or with-controller.	

#### 6.6.6. Item – 6 : 1 KVA Line Interactive UPS

**Make : (Bidder to Specify)**

**Model : ( Bidder to Specify)**

Features	Specifications of Items Offered	Compliance and Deviations if Any to be Mentioned
OEM	OEM should have own centralized help desk (24x7 support ) with toll free number	
OEM	Manufacturer should be ISO 9001, ISO 14001 and ISO 18001/45001 certified	
Output Power Capacity	600 Watts / 1000 VA	
Nominal Output Voltage	230V +/- 10%	
Efficiency at Full Load	80% or better	
Output Frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1	
Waveform Type	Stepped approximation to a sinewave	
Output Connections	3 Nos. India 3-pin 6A & 1 for printer(Surge Protection)	
Efficiency at Half Load	84% or better	
Nominal Input Voltage	150 - 280V	
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)	
Input Connections	India 3-pin 6A	
Power Cord Length	1.52 meters	
Input voltage range for main operations	150 - 280V @ 100% load	
Battery Type	Maintenance free sealed Lead acid battery leak proof	
Operating Environment	0 - 40 °C	
Operating Relative Humidity	0 - 95%	
Storage Temperature	-15 - 45 °C	
Storage Relative Humidity	0 - 95%	
Audible noise	<45.00 dBA	
Indicator	Multi-function LCD status and control console/LED based	
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload	
Warranty	Next Business Day Warranty for 05 years including battery	

### 6.6.7. Item – 7: 2 KVA Online UPS

Make : (Bidder to Specify)

Model : ( Bidder to Specify)

<b>Specification</b>	
<b>Generic</b>	
Rating in KVA (KVA)	2.0 KVA
Technology	IGBT-PWM without inbuilt isolation transformer
Input Power	single phase 160V - 260V sinewave,50Hz
Output power	Single phase 230V +/-1% sinewave 50 Hz
Backup time (Minutes)	60
Minimum VAH (VAH)	3200, 4800, 6400
Warranty for UPS (Years)	2
Movable trolley for Batteries	Without trolley but with rack
Warranty for battery	2
Degree of Protection	IP20, IP21
Cabling 5 meters for input and out put	With
Paralleling kit for synchronising	Without
Installation and Commissioning	Yes
<b>Constructional</b>	
Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1, 1.2
Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
<b>Functional</b>	
Maximum overshoot and Under shoot of output rated voltage	4
Voltage Regulation from no load to full load (%)	< / = 3%
20% Overload limit for minimum 10 minutes	Yes
Overall Efficiency (%)	>/=90%
Total Harmonic Distortion(THD) (%)	Maximum 3%
50% Overload limit for minimum 1 minutes	Yes
<b>Protection</b>	
Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes
Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes
<b>Metering And Indications</b>	
Digital Metering in UPS for AC Input Voltage, Output AC Voltage, Current, Frequency, Battery Voltage and Current	Yes
Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage	Yes
<b>Reports And Certification</b>	
Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes
Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes



Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes
Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes
Type Test Certificate No.	Yes
As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes

#### 6.6.8. Item – 8: Specifications of GB-FC Transceiver (SM)

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Item	Description of Requirement	Compliances (Yes/No)
Bandwidth	Should provide Single mode 1 G throughput( GB-FC Transceivers)	
Features	<ul style="list-style-type: none"> <li>Should be of same make as the <b>Central Core (L3) Switch (as per item at 6.6.2)</b></li> <li>Gb-FC Transceiver should be single mode</li> </ul>	

#### 6.6.9. specifications of Passive Networking Components

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

1. 9 U Network Rack with cable manger as per number of edge Switch		Compliances (Yes/No)
Item	Description of Requirement	
Features	Wall Mount Enclosure, Single Section (CRCA Steel Frame with following items: - Top cover with cable entry- 1no. Bottom cover with cable entry -1no. Angles – 2 pairs - Front Glass Door, 19" rack, minimum 600 mm depth, 9U height, and Front glass door, lockable, PDU with 6 power Points (1 No.), Min 3 Tray, Hardware mounting packets : 2 Packets (Pack of 10), other accessories like air circulation fan, cable manager, etc.	
2. 22 U Network Rack with cable manager for Network/server room		Compliances (Yes/No)
Item	Description of Requirement	

Features	Floor Mount Enclosure with With Caster wheels 4 nos(2 nos with brake), Single Section (CRCA Steel Frame with following items: - Top cover with cable entry- 1no. Bottom cover with cable entry -1no. Angles – 2 pairs - Front Glass Door, 19" rack, minimum 800x800 mm depth, 22U height, and Front glass door, lockable, PDU with 6 power Points-5+15Amp (2 No.), Min 2 Tray, Hardware mounting packets : 2 Packets (Pack of 10), other accessories like air circulation fan, cable manager, etc.	
<b>3. Category 6 UTP Cable (Mts.)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
	4 Pair with ETL test report for channel and zero bit error - All UTP Components should be from the same OEM.	
	The OEM should be ISO 9001:2000 Certification for Design, development, Manufacturing of copper & fiber cables and components. Also to furnish the documentary proof.	
	In the changing needs of the global resources if the company has environmental management systems in place like ISO 14001 accreditation the same shall be added advantage.	
	The cabling should be certified to have application support warranty for next 25 years or higher.	
Features	Category 6 Unshielded Twisted Pair 4 pair with ANSI/TIA/EIA-TIA-568.2-D.	
	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP Non Plenum cable jacket.	
	4 pair Category 6 Unshielded Twisted Pair cable shall be UL Listed	
	All Category 6 cables shall meet or exceed the following characteristics:	
Mechanical	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.	
Characteristics	Conductor Solid Copper	
	Conductor Diameter 0.574mm (23 AWG)	
	NPV :65%, D.C. Resistance: 9.38 ohm/100m	
	Insulator Polyolefin or polyethylene	
	Characterized up to minimum 600Mhz. Should be highlighted in the product data sheet. The Cable should be CM Rated.	

	Cable jacket must be LSZH	
	Outer Diameter >= 6.2mm	
	Max. Operating Temp 60°C and Storage Temp 75°C.	
<b>4. Face Plate &amp; Gang box with RJ-45 Jack</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Single Gang square plate, 86mmx86mm	
	Write on labels– supplied with plate	
	Screw hole covers – to be supplied with plate	
	Plug in Icons – Icon tree – to be supplied with plate	
	Should be able to support variety of jacks – UTP, STP only	
<b>5. I/O Boxes</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Category 6, TIA568B.2-D – 500MHz	
	All information outlets for 100 ohms, 22-24 AWG copper cable shall: Use insulation displacement connectors (IDC)	
	Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limits.	
	Be constructed of high impact, flame-retardant thermoplastic with color and icon options for higher visual identification	
	With integrated spring loaded shutter for Dust protection and prevents incomplete mating	
	With Terminator cap	
	IDC posts should be pointed	
	568 A/B configuration	
	Information outlet (RJ45 jack) should be covered under	
	ETL Verification program for compliance with	
	TIA568B.2-D, ETL certificate to be submitted with offer	
Mechanical : Jack Connector	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
	Operating Life: Minimum 750 insertion cycles	
	Contact Material: Copper alloy	
	Contact Plating: 50 μinches gold over 100μ inches nickel	
	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
	Operating Life: Minimum 200 Re-terminations	
	IDC Contact Plating: Tin Plate (tin/lead)	
<b>6. 24 Ports Jack Panel Cat 6 ( Edge&amp; Core)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Be made of cold rolled steel, in 24 port configurations. Each jack should have spring loaded shutter inside the jack for 100% dust free environment.	

	Allow for a minimum of 750 plug mating cycles	
	Have port identification numbers on the front of the panel.	
	Should have white designation labels with the panel, with optional color labels / icons.	
	Each Ports/Jack should be with individual spring loaded shuttered for dust protection. Each port (jack) and individual replaceable.	
	Should have integrated rear cable management shelf.	
	Should comply to the following : TIA/EIA-568-B.2-1	
	Component Compliant, FCC Subpart F 68.5 Compliant,	
	IEC-603-7 Compliant, ISO 11801 Class E Compliant, UL	
	1863, Jack Panel Should be ETL Certified	
Mechanical	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
Characteristics	Operating Life: Minimum 750 insertion cycles	
Jack Connector	Contact Material: Copper Alloy	
	Contact Plating: 50µ" Gold/100µ" Nickel	
	Contact Force: 100g minimum	
	Plug Retention Force: 11 lbf.	
IDC Connector	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
	Operating Life: Minimum 200 re-terminations	
	Contact Material: Copper Alloy	
	IDC Contact Plating: Tin/Lead Plate	
	Contact Force: 100g minimum	
	Wire Accommodation: 22-24 AWG solid	
<b>7. Mounting cords 3 Ft</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Category 6 Equipment cords (Length – 3 ft.)	
	The work area equipment cords shall, at a minimum, comply with proposed ANSI/TIA/EIA-568.2-D Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100 Category 6 Cabling.	
	Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332-1, IEC 61034)	
	Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	

	Should have 50 micro inches of gold plating over nickel contacts.	
	Modular cords should include a molded strain relief boot.	
	Should be covered by ETL verification program for compliance with TIA 568.2-D. Certificate to be submitted with bid.	
Mechanical – Cable	Conductor size: 24 AWG stranded bare copper	
	Max O.D.: 5.9mm	
	Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)	
	Temperature range: -20°C to +60°C	
Mechanical	Operating life: Minimum 750 insertion cycles	
Characteristics – Plug	Contact material: Copper alloy	
	Contact plating: 50µ" Gold/100µ"Nickel	
	Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7	
	Approvals: UL	
Electrical	Max voltage: 150 VAC (max)	
Characteristics – Plug	Max current: 1.5A @ 25°C	
	Operating temperature: -40°C to 75°C	
<b>8. Mounting cords 7 Ft</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Category 6 Equipment cords (Length – 7 ft.)	
	The work area equipment cords shall, at a minimum comply with proposed ANSI/TIA/EIA-568.2-D Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100Category 6 Cabling.	
	Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332-1, IEC 61034)	
	Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	
	Should have 50 micro inches of gold plating over nickel contacts	
	Modular cords should include a molded strain relief boot.	
	Should be covered by ETL verification program for compliance with TIA 568B.2-D. Certificate to be submitted with bid.	
Mechanical – Cable	Conductor size: 24 AWG stranded bare copper	
	Max O.D.: 5.9mm	

	Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)	
	Temperature range: -20°C to +60°C	
Mechanical	Operating life: Minimum 750 insertion cycles	
Characteristics – Plug	Contact material: Copper alloy RJ45 plug and boot material: Clear polycarbonate	
	Contact plating: 50µ" Gold/100µ"Nickel	
	Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7	
	Approvals: UL	
Electrical	Max voltage: 150 VAC (max)	
Characteristics – Plug	Max current: 1.5A @ 25°C	
	Operating temperature: -40°C to 75°C	
<b>9. PVC Conduit pipe for Cat-6 cable (PYC 30 x 25 mm), (PYC 15 x 15 mm) &amp; (PYC 45 x 25 mm) ( to be used as per size requirement)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	ISI Standard	
	PVC Conduit pipe for Cat-6 cable (PYC 30 x 25 mm), (PYC 15 x 15 mm) & (PYC 45 x 25 mm) / PVC Conduit/ Baton/ Flexi (1"/ 2"/ 4")	
<b>10. OFC -6 Core (Single-Mode) ( In Meters)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Cable Type	6 Core fiber Cable, Single Mode OS2, Unitube Armoured, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, EIA/TIA 568-C.3.;ITU-T REC G 652D IEC 60793/60794, spec for Low Water Peak fibre suitable for use in direct burial, outdoor ducts and backbone cabling.	
Armour	Corrugated Steel Tape Armour -Thickness > 0.15mm	
Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
Attenuation	<a href="#">. @ 1310nm &lt;=0.35 db/Km MAX</a>	
	<a href="#">. @ 1550nm &lt;=0.22 db/Km MAX</a>	
Attenuation Discontinuity	Both Windows <0.10dB	
Fibre protection(Tube)	Polybutylene Terephthalate (PBT)	
Core/Mode-Field (um)	9 ± 0.4 µm	
Clad Diameter (um)	125 ± 1	
Coat Diameter	245 ± 10	
Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel	
Jacket material	Flame Retardant Low Smoke Zero Halogen (FRLSZH)	
Peripheral Strength Member	Two Steel wires	
Tensile Strength	1500N	
Crush Resistance	2000N/10 cm	
Cable Diameter	9.8mm	

Max. Bending Radius (during installation)	20D	
Fibre Identification	Colour coded	
Cable weight Kg/Km	95 kg/km	
Operating Temperature	.-40 Degree C to +70 Degree C	
Cable Type	6 Core fiber Cable, Single Mode OS2, Unitube Armoured, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, EIA/TIA 568-C.3.;ITU-T REC G 652D IEC 60793/60794, spec for Low Water Peak fibre suitable for use in direct burial, outdoor ducts and backbone cabling.	
Armour	Corrugated Steel Tape Armour -Thickness > 0.15mm	
Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
Attenuation	<a href="#">. @ 1310nm &lt;=0.35 db/Km MAX</a>	
	<a href="#">. @ 1550nm &lt;=0.22 db/Km MAX</a>	
Attenuation Discontinuity	Both Windows <0.10dB	
Fibre protection(Tube)	Polybutylene Terephthalate (PBT)	
Core/Mode-Field (um)	9 ± 0.4 µm	
Clad Diameter (um)	125 ± 1	
Coat Diameter	245 ± 10	
Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel	
Jacket material	UV Stabilised Polyethylene (HDPE)	
Peripheral Strength Member	Two Steel wires	
Tensile Strength	1500N	
Crush Resistance	2000N/10 cm	
Cable Diameter	9.8mm	
Max. Bending Radius (during installation)	20D	
Fibre Identification	Colour coded	
Cable weight Kg/Km	95 kg/km	
Operating Temperature	.-40 Degree C to +70 Degree C	
<b>11. Fiber Optic Rackmount 12, 24 Port LIU, loaded with Dual Coupler, Splice Tray &amp; Pigtail</b>		
Fiber Management Shelf	1U panel can be mounted flush or recessed in 19" cabinet / wall rack accommodation with optional rack mount ears	
	Configurable Duplex Coupler	
	Management rings within the system to accommodate excess fibre cordage behind the through adapters and maintain fibre bend radius.	
	Rear, side & base access for Incoming / Outgoing backbone cables	
	Rugged steel construction finished in attractive	
Compact size (mm)	19" Rack Mount 482mm W x 254mm D x 43mm H	
Optical Fibre Adapters	For 24 Port - 12 x Duplex SC SM Adapters	
	For 12 Port - 6 x Duplex SC SM Adapters	

Splice Tray	1 x Universal Splice Tray, Material: ABS polymer Dimensions: 168mm W x 124mm D x 13mm H	
Pigtail	SC SM 9/125µm (OS2), Pigtail 1.5 Mtrs length. Minimum bend radius: install: 30 mm Operating Temperature: -20°C to 75°C Retention Strength: 100N Cable Sheath: LSOH*	
<b>12. Optical Fibre Equipment cords for 1 G Modules (3 Mt.) (SM LC-SC/LC-LC)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	All optical fibre patch leads shall comprise of OM3 Singlemode 50/125µm fiber with SC, fibre connectors terminated at each end. The optical fiber patch leads shall comply with the following specifications	
	Connector: Zirconia ceramic ferrule	
	Pre-radiuses and pre-polished ferrule	
	Epoxy type fiber encapsulation	
	Color-coded connector boots fitted to connectors on duplex patch leads.	
	Jacket : LSOH Jacket - Reduces toxic / corrosive	
	Dust caps shall be fitted on each connector at the assembly	
	Cable: 50/125µm, MM	
	Strength member: aramid yarn	
	900µm tight buffer diameter	
<b>13. HDPE Pipe for outdoor OFC</b>		
<b>Item</b>	<b>Description of Requirement</b>	
	Conduit pipe/ HDPE for MM Fiber, 32/40 MM ISI with PE 63 Grade	
<b>14. PVC/Conduit pipe for Fiber optic Cable</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	PVC/Conduit pipe for Fiber Optic Cable , 40/33 MM ISI with PE 63 Grade	
<b>15. Duplex Adaptors &amp; Coupler (Single MODE)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	All SC adaptors should be duplex type with shutter for protection. Adapters should be snap mount for easy insertion and removal.	
<b>16. Optical fiber Pigtails LC-SC/LC-LC</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Provide a field installable Single-mode connector/ pigtail to terminate fiber optic cables from cable-to-cable, cable-to equipment and equipment-to-equipment.	



	The connector/ pigtail must: Be field installable	
	Utilize a PC polishing on the tip to provide high yield during installation.	
	Meet EIA and IEC standards for repeatability.	
<b>17. Laying of OFC – LS</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Laying of OFC Cable	Laying, Digging/trenching, filling, splicing & terminating of fiber and other media as applicable according to industry norms are part of supply, installation & commissioning.	
<b>18. Network Testing report for all network points</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Network Test Report	Bidder has to submit the Network Testing report for all the network points deployed at the project across hospital to be certified by respective OEMs for Active and Passive for Networking Components.	

**(Bidder to specify make & model for each of the individual active/passive/hardware/UPS components)**

#### **6.6.10. Chemical Earthing**

3 meter length 50mm Dia Copper bonded chemical earthing electrode with 50kG BFC

#### **6.6.11. Electrical Points in Hospitals**

Electrical points in hospital campus (5/15 Amp)- Electrical wiring with all materials (i.e. power switch, socket, DP,PVC pipe and other accessories).

### **6.7. Purchaser's Procurement Rights**

Without incurring any liability, whatsoever to the affected bidder or bidders, the Purchaser reserves the right to:

- a. Amend, modify, or cancel this tender and to reject any or all proposals without assigning any reason.
- b. Change any of the scheduled dates stated in this tender.
- c. Reject proposals that fail to meet the tender requirements.
- d. Increase or decrease the quantity of the items
- e. Remove any of the item at the time of placement of order.
- f. Should the Purchaser be unsuccessful in negotiating a contract with the selected bidder, the Purchaser will begin contract negotiations with the next best value bidder in order to serve the best interest.
- g. Make typographical correction or correct computational errors to proposals
- h. Request bidders to clarify their proposal.

### **6.8. Specifications and Standards**

- i. All articles to be supplied shall strictly conform to the specifications, trademark laid down in the tender form and wherever articles have been required according to ISI/ ISO/ other applicable specifications/ certifications/ standards, those articles should conform strictly to those specifications/ certifications/ standards. The supply shall be of best quality and description. The decision of the competent authority/ purchase committee whether the articles supplied conform to the specifications shall be final and binding on the selected bidder.
- ii. The Selected bidder shall ensure that the goods and related services comply with the technical specifications and other provisions laid down in the RFP & the work order.

## **6.9. Transit Insurance**

The Hardware and peripherals to be supplied under this RFP shall be fully insured against any loss during transit from Bidder site to OCAC & Final Delivery office site. The insurance charges will be borne by the supplier and OCAC will not pay such charges.

## **6.10. Payment Terms and Procedure**

### **6.10.1. Paying Authority**

The payments as per the Payment Schedule covered herein above shall be paid by OCAC. However, Payment of the Bills would be payable, on receipt of advice/confirmation for satisfactory delivery/installation/re-installation, and inspection/service report from the authorized official of **Odisha Computer Application Centre (OCAC)**

### **6.10.2. Payment Terms**

- a. 90% of the order value will be paid to the supplier after delivery and installation at site.
- b. Balance 10% of the order value shall be released after after submission of PBG of required value mentioned at clause no. 4.5
- c. GST shall be paid as per actual at the time of billing
- f. Taxes, as applicable, will be deducted at source, from due payments, as per the prevalent rules and regulations.
- g. Payment shall be released after deduction of penalty, if any, as per clause 5.2 SLA

## 7. Annexures

### 7.1. Particulars of the Bidder

S No.	Information Sought	Details to be Furnished
1.	Name ,address and URL of the bidding Company	
2.	Incorporation status of the firm (public limited / private limited, etc.)	
3.	Year of Establishment	
4.	Date of registration	
5.	ROC Reference No.	
6.	Details of company registration	
7.	Details of registration with appropriate authorities for service tax	
8.	Average Turnover during last 3 financial year	
9.	Name, Address, e-mail ID, Phone nos. and Mobile Number of Contact Person	

## 7.2. Bid Security Declaration

To

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a **period of two years** from the date of notification if I am/ We are in a breach of any obligation under the bid conditions, because I/We

- (a) Have withdrawn/ modified/ amended, impairs or derogates from the tender, my/ our Bid during the period of bid validity specified in the form of Bid; or
- (b) Having been notified of the acceptance of our Bid by the Authority during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instruction to Bidders/ Tender Document/ RFP document

I/We understand this Bid Securing Declaration shall cease to be valid if I am/ We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder, or (ii) thirty days after the expiration of validity of my/ our Bid.

Signed (Signature of person whose name and capacity are shown)

In the capacity of (legal capacity of person signing the Bid Securing Declaration)

Name (complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for and on behalf of (complete name of Bidder) Date on

..... Day of ..... (date of signing) Corporate Seal (wherever appropriate)

(Signature of the Authorised Signatory)

### 7.3. Self-Declaration: Not Blacklisted

To

(Company letter head)

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

**Sub: Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project – Self Declaration for not Blacklisted**

Sir

In response to the RFP No.: :: OCAC-SEGP-SPD-0015-2021-22081 for RFP titled "Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project", as an owner/ partner/ Director of (organisation name) \_\_\_\_\_/ We hereby declare that presently our Company/ firm is not under declaration of ineligible for corrupt & fraudulent practices, blacklisted either indefinitely or for a particular period of time, or had work withdrawn, by any State/ Central government/ PSU.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Signature  
(Authorised Signatory)

Seal:

Date:

Place:

Name of the Bidder:

#### 7.4. Bidder's Authorisation Certificate

To

(Company letter head)

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

**Sub: Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project– Bidder's Authorization Certificate**

Sir,

With reference to the RFP No.: : OCAC-SEGP-SPD-0015-2021-22081, Ms./Mr. <Name>, <Designation> is hereby authorized to attend meetings & submit pre-qualification, technical & commercial information as may be required by you in the course of processing the above said Bid. S/he is also authorized to attend meetings & submit technical & commercial information as may be required by you in the course of processing above said application. Her/his contact mobile number is \_\_\_\_\_ and Email id is\_\_\_\_\_. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Signature  
(Authorised Signatory)

Verified Signature by  
Director/CEO

Seal:

Date:

Place:

Name of the Bidder:

## 7.5. Acceptance of Terms & Conditions

To

(Company letter head)

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

**Sub: Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project.– Acceptance of Terms & Conditions**

Sir,

I have carefully and thoroughly gone through the Terms & Conditions along with scope of work contained in the RFP Document [No. OCAC-SEGP-SPD-0015-2021-22081] regarding "Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project".

I declare that all the provisions/clauses including scope of work of this RFP/Tender Document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Thanking you,

Signature

(Authorised Signatory)

Seal:

Date:

Place:

Name of the Bidder:

## 7.6. Technical bid Cover Letter

To,

General Manager (Admin),  
Odisha Computer Application Centre (OCAC),  
Plot No. N-1/7D, Acharya Vihar Square,  
RRL Post Office,  
Bhubaneswar – 751 013, Odisha

Madam,

**Subject: Tender for Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project**

Reference: Tender No: .: OCAC-SEGP-SPD-0015-2021-22081

We, the undersigned Bidders, having read and examined in detail all the Tender documents do hereby propose to provide the services as specified in the Tender document number .: OCAC-SEGP-SPD-0015-2021-22081 along with the following:

### A. DEVIATIONS

We declare that all the services shall be performed strictly in accordance with the Tender documents except for the variations, assumptions and deviations, all of which have been detailed out exhaustively in the following statements, irrespective of whatever has been stated to the contrary anywhere else in our Tender:

Further we agree that additional conditions or assumptions, if any, found in the Tender documents other than those stated in deviation schedule shall not be given effect to.

### B. CONTRACT PERFORMANCE GUARANTEE BOND

We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed format

### C. BID VAILIDITY PERIOD

We agree to abide by this bid for a period of 180 days after the date fixed for bid opening or for any further period for which bid validity has been extended and it shall remain binding upon us and Bid may be accepted at any time before the expiration of that period.

We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

We understand that our bid is binding on us and that you are not bound to accept a bid you receive.

Thanking you,

Yours faithfully,

(Signature of the Bidder)



## 7.7. Commercial Proposal Covering letter

< Location, Date >

To,

The General Manager (Admn)  
Odisha Computer Application Centre  
Plot No. - N-1/7-D, Acharya Vihar  
P.O.- RRL, Bhubaneswar - 751013  
EPBX: 0674-2567280/2567064/2567295  
Fax: +91-0674-2567842

**Subject:** Submission of the Financial bid for Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project.  
**Reference:** Tender No: .: OCAC-SEGP-SPD-0015-2021-22081

Dear Sir/Madam,

We, the undersigned, hereby submit our Financial Proposal against your tender floated vide RFP Ref: .: OCAC-SEGP-SPD-0015-2021-22081, in a separate sealed envelope.

Our attached Financial Proposal is for the sum of [*Amount in words and figures*] along with applicable taxes & duties.

Our Financial Proposal shall be binding upon us, up to expiry of the validity period of the Proposal, i.e., [*Date*].

We understand you are not bound to accept any Proposal you receive. We remain,

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

## 7.8. Commercial Bid

SL. No.	Item	Quantity	Unit	Unit Price	GST	Total Unit Price	Total
A	B	C	D	E	F	G (E+F)	H (C*G)
1.	Category 6 UTP Cable (In Meters)	111030	Meter				
2.	Cat-6 I/O Jack with back box and Face Plate	2752	No				
3.	Ethernet Patch/ Jack panel Cat 6 UTP ( 24 Ports) with mounting accessories	187	No				
4.	6 Core Single-Mode Fiber Optic Cable (In meters)	5575	Meter				
5.	12 Port OFC LIU Loaded with Adaptor, connectors and pigtails	28	No				
6.	Single Mode 1G GB-FC OFC Transceivers	216	No				
7.	Fiber patch cord	216	No				
8.	22 U Rack for network/server room with Accessories(Floor standing)	80	No				
9.	9 U Rack with Accessories for N/W Edge Switch	177	No				
10	UTP Patch Cord Cat 6 UTP 3 Ft	2752	No				
11	UTP Patch Cord Cat 6 UTP 7 Ft	1999	No				
12	PVC/Conduit pipe for Cat-6 [ in Mts]	84660	No				

13	PVC conduit Pipe for OFC laying[ in Meters]	2945	Meter				
14	HDPE Pipe for OFC laying (without digging)	2840	Meter				
15	HDPE Pipe for OFC laying (with digging) in meter (price discovery item)	1040	Meter				
16	Fixing of IO	2752	No				
17	Fixing of Jack Panel	187	No				
18	Fixing of Rack	187	No				
19	Network Router	80	No				
20	24 Port Gigabit SFP Ports - Layer 3 Core Switch	80	No				
21	24 Port Gigabit Ethernet Managed Layer 2 Switch	180	No				
22	Firewall / UTM Device	7	No				
23	Wireless Access Points with adaptor, PoE and cables	481	No				
24	On-Line 2 KVA UPS for Network Rack	77	No				
25	Line Interactive 1 KVA UPS ( With 30 Mnts backup)	1204	No				
26	Electrical points in Hospital Campus(5/15 Amp)--Electrical Wiring with All materials (i.e: Power Switch, Socket, DP and other accessories)	3873	No				

27	Earthing (Chemical)	80	No				
28	Configuration, Testing and Commissioning of the Data Networking system with 5 year onsite warranty	1					
	<b>Grand Total</b>						
	<b>Grand Total in words</b>						

**Note:**

- Least cost selection method will be adopted for evaluation of commercial bid. The bidder who will quoted lowest grand total will be marked as L1
- Prices shall be quoted inclusive of all taxes, duties, freight and forwarding and cost of labour for installation.
- In case of any discrepancy between Unit Price & Total Price, the Unit Price will prevail.
- All devices must include 5 years of onsite warranty support.

## 7.9. Annexure-A

SL#	District	Institution Name	Institution Type	Bidder
1	Anugul	Anugul	UPHC	L2
2	Balangir	Kandhapalipada	UPHC	L2
3	Balangir	Sastri Nagar	UPHC	L2
4	Baleshwar	Sahadev Khunta	UPHC	L1
5	Baleshwar	Sovarampur	UPHC	L1
6	Baleshwar	Sunahat	UPHC	L1
7	Bargarh	MMC: Municipality Maternity Center	UPHC	L2
8	Bargarh	Station Pada	UPHC	L2
9	Bhadrak	Bagurai	UPHC	L2
10	Bhadrak	Bhadrak	UPHC	L2
11	Bhadrak	Purunabazar	UPHC	L2
12	Cuttack	Bidanasi	UPHC	L1
13	Cuttack	Bidyadharpur CRR	UPHC	L1
14	Cuttack	Bidyadharpur	UPHC	L1
15	Cuttack	Brajaramba Jobra	UPHC	L1
16	Cuttack	Kapaleswar	UPHC	L1
17	Cuttack	Madhusudan Das Tulasipur	UPHC	L1
18	Cuttack	Manjulata Dispensary Khan Nagar	UPHC	L1
19	Cuttack	Nimpur	UPHC	L1
20	Cuttack	Nuabazar	UPHC	L1
21	Cuttack	Nuahata	UPHC	L1
22	Cuttack	Odia Bazar	UPHC	L1
23	Cuttack	Thoria Sahi	UPHC	L1
24	Cuttack	Tulasipur	UPHC	L1
25	Dhenkanal	Kathagada_Dhenkanal	UPHC	L2
26	Gajapati	Municipality_Paralakhemundi	UPHC	L3
27	Ganjam	Aga Sahi Berhampur	UPHC	L1
28	Ganjam	Ambapua	UPHC	L1
29	Ganjam	Baikuntha Nagar	UPHC	L1
30	Ganjam	Berhampur Zonal :Aska Road	UPHC	L1
31	Ganjam	Khodasinghi	UPHC	L1
32	Ganjam	Red Cross Hospital Berhampur	UPHC	L1
33	Ganjam	Uttarmukhi	UPHC	L1
34	Ganjam	Uttreswar : Good Shed	UPHC	L1
35	Jagatsinghapur	Paradeep	UPHC	L3
36	Kalahandi	College Chhaka_Bhawanipatna	UPHC	L2
37	Kandhamal	Phulbani	UPHC	L2
38	Kendrapara	Kendrapara	UPHC	L3
39	Kendujhar	Nalda_Barbil	UPHC	L3
40	Kendujhar	Baneikala_Joda	UPHC	L3
41	Kendujhar	Municipality	UPHC	L3
42	Koraput	Gandhinagar_Koraput	UPHC	L3
43	Koraput	Jagadhatripur_Jeypore	UPHC	L3

44	Koraput	Jeypore LR	UPHC	L3
45	Koraput	Similiguda	UPHC	L3
46	Malkangiri	Malkangiri	UPHC	L3
47	Mayurbhanj	Debendrapur	UPHC	L2
48	Mayurbhanj	Municipality Hospital	UPHC	L2
49	Mayurbhanj	Tulasichaura	UPHC	L2
50	Nabarangapur	Nabarangapur	UPHC	L3
51	Puri	Chandan Hazuri Paediatric Hospital	UPHC	L1
52	Puri	KDMM	UPHC	L1
53	Puri	Municipality Dispensary Dolabedikona	UPHC	L1
54	Puri	Municipality Hospital Swargadwar	UPHC	L1
55	Puri	Penthakata	UPHC	L1
56	Rayagada	Rayagada	UPHC	L3
57	Rayagada	Gunupur	UPHC	L3
58	Rayagada	Rayagada2	UPHC	L3
59	Sambalpur	Burla	UPHC	L2
60	Sambalpur	Chaurpur	UPHC	L2
61	Sambalpur	Dhankauda	UPHC	L2
62	Sambalpur	Dhanupali	UPHC	L2
63	Sambalpur	J Pujari Maternity Home	UPHC	L2
64	Sambalpur	Khetrajpur Dispensary	UPHC	L2
65	Sambalpur	Maneswar	UPHC	L2
66	Sambalpur	UFWC: Urban Family Welfare Centre	UPHC	L2
67	Sundargarh	Bandhamunda	UPHC	L2
68	Sundargarh	Biramitrapur	UPHC	L2
69	Sundargarh	Hamirpur	UPHC	L2
70	Sundargarh	Mahatab Road	UPHC	L2
71	Sundargarh	Sector-22	UPHC	L2
72	Sundargarh	UFWC: Urban Family Welfare Centre	UPHC	L2
73	Sundargarh	Sundargarh	UPHC	L2
74	Cuttack	SCB_Cuttack	Premier	L1
75	Cuttack	SVPPGIP_Cuttack	Premier	L1
76	Cuttack	AHPGIC_Cuttack	Premier	L1
77	Khordha	Capital Hospital_Bhubaneswar	Premier	L2
78	Ganjam	MKCG_Berhampur	MCH	L3
79	Sambalpur	VIMSAR_Burla	MCH	L3
80	Koraput	SLN_Koraput	MCH	L3

**Tender for**  
**Supply, Installation and commissioning**  
**of Local Area Network and minor**  
**electrical work at Hospitals (4 Nos**  
**Premier Hospitals,3 Nos MCHs and 73**  
**UPHCs) under the OeHMIS Project.**

**Tender Ref No.: OCAC-SEGP-SPD-0015-2021-22081**



**Odisha Computer Application Centre**  
(Technical Directorate of E & I.T. Department, Government of Odisha)  
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EPBX: 674-2567280 / 2567064 /2567295 / 2567283  
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Website: [www.ocac.in](http://www.ocac.in)

## Definitions /Acronyms

Term	Definition
Authorized Representative	Any person authorized by either of the parties
Bidder	Any firm offering the solution(s), service(s) and /or materials as required in the tender. The word Bidder when used in the pre-award period shall be synonymous with parties bidding for this tender, and when used after award of the contract shall mean the successful party with whom OCAC, signs the agreement for rendering of services for implementation of this project.
OeHMIS	Odisha e-Hospital Management Information System
OEM	Original Equipment Manufacturer
Party	Means OCAC or Bidder, individually and “Parties” mean OCAC and Bidder, collectively
Proposal / Bid	The Pre-Qualification – cum – Technical Proposal and Commercial Proposals all together, i.e., complete proposal for the implementation of this project
Request for Proposal (RFP)	Means this document and its annexure etc., seeking a set of solution(s), services(s), materials and/or any combination of them.
PBG	Performance Bank Guarantee
OCAC	Odisha Computer Application Centre
eNivida	<p>The portal where all this tendering process will take place, since publishing to open &amp; Award of the tender.</p> <p>Bidders have to use this portal for Bid Submission and further activities till Award.</p> <p>URL: <a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a></p>



## 1. TENDER SCHEDULE

Sl. No.	Items	Date & Time
1.	Availability of Bid Document in the website ( <a href="http://www.ocac.in">www.ocac.in</a> , <a href="http://www.odisha.gov.in">www.odisha.gov.in</a> , <a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a> ), and for online participation visit the <a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a> only.	12.12.2022
2.	Last date and time for Submission of Bid	09.01.2023 by 2 PM
3.	Pre-bid Meeting	20.12.2022 at 4 PM at the Conference hall of OCAC
4.	Opening of Pre-Qualification – cum - Technical Bids	09.01.2023 at 4 PM
5.	Opening of Commercial Bids	To be notified later

## 2. Instructions to the Bidders

### 2.1. Invitation of Bid

- a. Odisha Computer Application Centre (OCAC) invites responses (“Tenders”) to this Request for Proposals (“RFP”) from OEMs /authorized Partners (“Bidders”) for the provision of items as described in this RFP. Tender for Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project. OCAC is the Nodal Agency for this Government procurement.

<b>A</b>	<b>4 Nos Premier Hospitals</b>
1	Srirama Chandra Bhanja Medical College and Hospital, Cuttack (SCB)
2	Sardar Vallabhbhai Patel Post Graduate Institute of Paediatrics, Cuttack(SVPPGIP)
3	Acharya Harihar Post Graduate Institute of Cancer, Cuttack(AHPGIC)
4	Capital Hospital, Bhubaneswar
<b>B</b>	<b>3 Nos MCHs</b>
1	Maharaja Krushna Chandra Gajapati Medical College and Hospital, Brahmapur, Ganjam(MKCG)
2	Veer Surendra Sai Institute of Medical Sciences and Research, Burla, Sambapur (VIMSAR MCH)
3	Saheed Laxman Nayak Medical College and Hospital, Koraput (SLN MCH)
<b>C</b>	<b>73 Nos UPHC of all Districts (Except Khordha &amp; Jharsuguda)</b>

- b. Details of location as follows

SL#	District	Institution Name	Institution Type
1	Anugul	Anugul	UPHC
2	Balangir	Kandhapalipada	UPHC
3	Balangir	Sastri Nagar	UPHC
4	Baleshwar	Sahadev Khunta	UPHC
5	Baleshwar	Sovarampur	UPHC
6	Baleshwar	Sunahat	UPHC
7	Bargarh	MMC: Municipality Maternity Center	UPHC
8	Bargarh	Station Pada	UPHC
9	Bhadrak	Bagurai	UPHC
10	Bhadrak	Bhadrak	UPHC
11	Bhadrak	Purunabazar	UPHC
12	Cuttack	Bidanasi	UPHC
13	Cuttack	Bidyadharpur CRR	UPHC
14	Cuttack	Bidyadharpur	UPHC
15	Cuttack	Brajaramba Jobra	UPHC
16	Cuttack	Kapaleswar	UPHC

17	Cuttack	Madhusudan Das Tulasipur	UPHC
18	Cuttack	Manjulata Dispensary Khan Nagar	UPHC
19	Cuttack	Nimpur	UPHC
20	Cuttack	Nuabazar	UPHC
21	Cuttack	Nuahata	UPHC
22	Cuttack	Odia Bazar	UPHC
23	Cuttack	Thoria Sahi	UPHC
24	Cuttack	Tulasipur	UPHC
25	Dhenkanal	Kathagada_Dhenkanal	UPHC
26	Gajapati	Municipality_Paralakhemundi	UPHC
27	Ganjam	Aga Sahi Berhampur	UPHC
28	Ganjam	Ambapua	UPHC
29	Ganjam	Baikuntha Nagar	UPHC
30	Ganjam	Berhampur Zonal :Aska Road	UPHC
31	Ganjam	Khodasinghi	UPHC
32	Ganjam	Red Cross Hospital Berhampur	UPHC
33	Ganjam	Uttarmukhi	UPHC
34	Ganjam	Uttreswar : Good Shed	UPHC
35	Jagatsinghapur	Paradeep	UPHC
36	Kalahandi	College Chhaka_Bhawanipatna	UPHC
37	Kandhamal	Phulbani	UPHC
38	Kendrapara	Kendrapara	UPHC
39	Kendujhar	Nalda_Barbil	UPHC
40	Kendujhar	Baneikala_Joda	UPHC
41	Kendujhar	Municipality	UPHC
42	Koraput	Gandhinagar_Koraput	UPHC
43	Koraput	Jagadhatripur_Jeypore	UPHC
44	Koraput	Jeypore LR	UPHC
45	Koraput	Similiguda	UPHC
46	Malkangiri	Malkangiri	UPHC
47	Mayurbhanj	Debendrapur	UPHC
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63	Sambalpur	J Pujari Maternity Home	UPHC

64	Sambalpur	Khetrajpur Dispensary	UPHC
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66	Sambalpur	UFWC: Urban Family Welfare Centre	UPHC
67	Sundargarh	Bandhamunda	UPHC
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75	Cuttack	SVPPGIP_Cuttack	Premier
76	Cuttack	AHPGIC_Cuttack	Premier
77	Khordha	Capital Hospital_Bhubaneswar	Premier
78	Ganjam	MKCG_Berhampur	MCH
79	Sambalpur	VIMSAR_Burla	MCH
80	Koraput	SLN_Koraput	MCH

- c. Proposals must be submitted online through e-Nivida portal before the last date and time of submission.

## 2.2. General

- a) While every effort has been made to provide comprehensive and accurate background information and requirements and specifications, Bidders must form their own conclusions about the solution needed to meet the requirements. Bidders and recipients of this RFP may consult their own legal advisers with regard to this RFP.
- b) All information supplied by Bidders may be treated as contractually binding on the bidders, on successful award of the assignment by OCAC on the basis of this RFP.
- c) No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of the OCAC. Any notification of preferred bidder status by OCAC shall not give rise to any enforceable rights by the Bidder. OCAC may cancel this public procurement at any time prior to a formal written contract being executed by or on behalf of the OCAC.
- d) This RFP supersedes and replaces any previous public documentation & communications, and Bidders should place no reliance on such communications.

### 2.3. Compliant Proposals/ Completeness of Response

- a) Bidders are advised to study all instructions, forms, terms, requirements and other information in the tender documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.
- b) Failure to comply with the requirements set out in this Tender may render the Proposal noncompliant and the Proposal may be rejected. Bidders must:
  - i. Include all documentation specified in this Tender;
  - ii. Follow the format of this tender and respond to each element in the order as set out in this tender
  - iii. Comply with all requirements as set out within this tender.

### 2.4. Pre-bid Meeting

- a. OCAC shall hold a pre-bid meeting with the prospective bidders on **20.12.2022 at 4 PM** in Conference hall of OCAC.
- b. The Bidders will have to ensure that their queries for Pre-Bid meeting should reach to General Manager (Admin) only by email ([gm.ocac@odisha.gov.in](mailto:gm.ocac@odisha.gov.in)) with a copy to [debraj.behera@odisha.gov.in](mailto:debraj.behera@odisha.gov.in) on or before **19.12.2022 by 5 PM**
- c. The queries should necessarily be submitted in the following forma (Soft copy in .doc or .xls file to be attached):

SI#	EOI Document Reference(s) (Section & Page Number(s))	Content of EOI requiring Clarification(s)	Points of clarification

- d. OCAC shall not be responsible for ensuring receipt of the bidders' queries. Any requests for clarifications post the indicated date and time may not be entertained by OCAC.

### 2.5. Key Requirements of the Bid

#### 2.5.1 Right to Terminate the Process

- i. OCAC may terminate the tender process at any time and without assigning any reason. OCAC makes no commitments, express or implied, that this process will

result in a business transaction with anyone.

- ii. This tender does not constitute an offer by OCAC. The bidder's participation in this process may result OCAC selecting the bidder to engage towards execution of the contract.

### **2.5.2 Bid Security Declaration**

The Bidders are exempted from paying EMD. The bidder needs to submit the Bid Security Declaration in the format specified in Form-3 and upload the same in the enivida portal. If the bidder withdraws nor modify their bids during period of validity, the participating bidder shall be suspended for a specific period as decided by the purchaser.

### **2.5.3 Submission of Manufacturer Authorisation**

- a. **Manufacturer Authorization Form (MAF) should be submitted positively in original/photocopies by the selected bidder while submitting the response to RFP, failing which the bid is subject to rejection.**
- b. **The Bidder(s) must submit the Form-4 (Compliance Sheet for Technical Proposal) in their official letterhead along with the Datasheet of the equipment quoted. Bidder(s) should upload the scan copy in the portal**

### **2.5.4 Submission of Proposals**

#### **2.5.4.1 Instruction to Bidders for Online Bid Submission**

e-Nivida is a complete process of e-Tendering, from publishing of Tenders online, inviting online bids, evaluation and award of contract using the system. The instructions given below are meant to assist the bidders in registering on e-Nivida Portal and submitting their bid online on the portal. More information useful for submitting online bids on the e-Nivida Portal may be obtained at: <https://enivida.odisha.gov.in>

#### **2.5.4.2 Guidelines for Registration**

1. Bidders are required to enrol themselves on the eNivida Portal <https://enivida.odisha.gov.in> or click on the link "Bidder Enrolment" available on the home page by paying Registration Fees of Rs.5,600/- inclusive of Applicable GST.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidders.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (**Only Class III Certificates with signing + encryption key**)

**usage)** issued by any Certifying Authority recognized by CCA India (e.g. Sify/ TCS / nCode/ eMudhra etc.), with their profile.

5. Only valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
7. The scanned copies of all original documents should be uploaded in pdf format on e-Tender portal.
8. After completion of registration payment, bidders need to send their acknowledgement copy on our help desk mail id [odishaenivida@gmail.com](mailto:odishaenivida@gmail.com) for activation of the account.

#### **2.5.4.3 Searching for Tender Documents**

1. There are various search options built in the e-Tender Portal, to facilitate bidders to search active Tenders by several parameters.
2. Once the bidders have selected the Tenders they are interested in, then they can pay the Tender fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / Tender schedules, Bid documents etc. Once you pay both fee Tenders will be moved to the respective 'requested' Tab. This would enable the e- Tender Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the Tender document.

#### **2.5.4.4 Preparation of Bids**

1. Bidder should take into account any corrigendum published on the Tender document before submitting their bids.
2. Please go through the Tender advertisement and the Tender document carefully to understand the documents required to be submitted as part of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the Tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Colour option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.

5. These documents may be directly submitted from the “My Documents” area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process. Already uploaded documents in this section will be displayed. Click “New” to upload new documents.

#### **2.5.4.5 Submission of Bids**

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Tender document as a token of acceptance of the terms and conditions laid down by Department.
3. Bidder has to select the payment option as per the Tender document to pay the Tender fee / Tender Processing fee & EMD as applicable and enter details of the instrument.
4. In case of BG bidder should prepare the BG as per the instructions specified in the Tender document. The BG in original should be posted/couriered/given in person to the concerned official before the Online Opening of Financial Bid. In case of non-receipt of BG amount in original by the said time, the uploaded bid will be summarily rejected.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOM format with the Tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOM file, open it and complete the yellow Coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOM file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. The uploaded bid documents become readable only after the Tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bid click “Complete” (i.e. after Clicking “Submit” in the portal), the portal will give a successful Tender submission



acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.

9. The Tender summary has to be printed and kept as an acknowledgement of the submission of the Tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **2.5.4.6 Clarifications on using e-Nivida Portal**

Any queries relating to the Tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a Tender or the relevant contact person indicated in the Tender.

2. Any queries relating to the process of online bid submission or queries relating to e-Tender Portal in general may be directed to the Helpdesk Support. Please feel free to contact e-Nivida Helpdesk (as given below) for any query related to e-Tendering.

**Phone No.:** 011-49606060

**Mail id:** odishaenivida@gmail.com

### **2.6. Preparation and Submission of Proposal**

#### **2.6.1. Proposal Preparation Costs**

The bidder shall be responsible for all costs incurred in connection with participation in the tender process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by OCAC to facilitate the evaluation process, and in negotiating a definitive contract or all such activities related to the bid process. OCAC will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

#### **2.6.2. Language**

The Proposal should be filled by the bidders in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Bidders. For purposes of interpretation of the documents, the English translation shall govern.

#### **2.6.3. Venue & Deadline for Submission of proposals**

Proposals, in its complete form in all respects as specified in the RFP, must be submitted to OCAC at the website specified below:

<b>Website</b>	<a href="https://enivida.odisha.gov.in">https://enivida.odisha.gov.in</a>
<b>Last Date &amp; Time of Submission</b>	<b>By 2 PM of 09.01.2023 (submission would be online through e-Nivida portal)</b>

## **2.7. Evaluation process**

- i. A Committee constituted by OCAC shall evaluate the responses to the RFP and all supporting documents / documentary evidences. Inability to submit requisite supporting documents / documentary evidence, may lead to rejection of bid.
- ii. The decision of the Committee in the evaluation of responses to the RFP shall be final. No correspondence will be entertained outside the process of evaluation with the Committee.
- iii. The above mentioned Committee may ask for meetings with the Bidders to seek clarifications on their proposals.
- iv. The Committee reserves the right to reject any or all proposals on the basis of any deviations.
- v. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.
- vi. Clarification (if any) sought has to be submitted by the bidder within specified timeline, failing which the Bid is liable to be rejected.

### **2.7.1. Tender Opening**

**The Pre-qualification and technical will be opened at 4 PM of 09.01.2023 in Online mode at e-Nuvida Platform**

### **2.7.2. Tender Validity**

The offer submitted by the Bidders shall be valid for minimum period of **180 days** from the last date of submission of Tender.

### **2.7.3. Tender Evaluation**

- i. Incomplete details as given below will be treated as non-responsive. If Proposals;
  - Are not submitted in as specified in the Tender document
  - Received without the Letter of Authorization/Power of Attorney
  - Are found with suppression of details
  - With incomplete information, subjective, conditional offers and partial offers submitted
  - Submitted without the documents requested in the checklist
  - Have non-compliance of any of the clauses stipulated in the Tender
  - With lesser validity period
- ii. All responsive Bids will be considered for further processing as below.
  - OCAC will prepare a list of responsive/eligible bidders, who comply with all the Terms and Conditions of the Tender. All eligible bids will be considered for further evaluation by the Committee according to the Evaluation process defined in this Tender document. The decision of the Committee will be final in this regard.

### 3. Criteria for Evaluation

#### 3.1. Pre-Qualification (PQ) – Cum- Technical Criteria

All bids will primarily be evaluated on the basis of Prequalification Criteria- Cum-Technical Bid. The Committee will carry out a detailed evaluation of the Proposals. Only those bidders who qualify all Prequalification & Technical criteria, are eligible for Financial Bid

SL#.	Basic Requirement	Specific Requirements	Documents Required
1.	Legal Entity	i. The bidder should be a Company registered under the Companies Act, 1956/2013 / Proprietary Firm / Partnership Firm. ii. The company offices must have been Registered in Odisha, Registered with Valid GST No and having PAN, & IT Return up to 31 <sup>st</sup> March 2021.	<ul style="list-style-type: none"> <li>• Certificates of incorporation</li> <li>• Registration Certificates, PAN copy &amp; other necessary supporting documents</li> </ul>
2.	Average Sales Turnover in Hardware Sales & Maintenance services	Annual average Turnover Minimum of <b>Rs. 2 Crore</b> generated from IT/ITeS any last three Financial years i.e : FY 2021-22, 2020-21, and FY 2019-20	Extracts from the audited Balance sheet and Profit & Loss; OR Certificate from the statutory auditor
3.	Technical Capability	Bidder must have successfully undertaken at least the following numbers IT Networking supply and associated maintenance services of value specified herein during the last five years as on 31.12.2022 for any Govt./PSU/Autonomous body in India. <ul style="list-style-type: none"> <li>• One project of similar nature not less than the amount Rs. 3.2 Crore;</li> </ul> OR <ul style="list-style-type: none"> <li>• Two projects of similar nature each of which not less than the amount Rs. 2.4 Crore;</li> </ul> OR <ul style="list-style-type: none"> <li>• Three projects of similar nature each of which not less than the amount Rs. 1.6 Crore.</li> </ul> <p><b>'Similar Nature'</b> is defined as , Supply, installation and maintenance of IT hardware &amp; System Networking like Switch's, Servers, Network &amp; Security devices, &amp; other IT devices amongst others</p>	Copy of work order

5.	Undertaking on Authenticity of IT Hardware & peripherals	The bidder should submit an undertaking on Authenticity of IT hardware & Networking peripherals on Bidder Letter Head.	As per Form - 7
6.	Presence in Odisha	The bidder should have a presence in Odisha.	<ul style="list-style-type: none"> <li>• A Self Certified letter by an authorized signatory</li> <li>• A single point of Contact from the Bidder to be submitted along with escalation matrix.</li> </ul>
7.	Blacklisting	The bidder must not under blacklisted by any Department of Government of Odisha or Government of India. The bidder must also disclose full details of any blacklisting by Central or State PSUs/Undertakings/Autonomous Organizations or under a declaration of ineligibility for corrupt or fraudulent practices in last two years 'as on' <b>31/03/2022</b> .	A Self Certified letter by an authorized signatory.
8.	MAF	The bidder should be an OEM or their authorized representative/partner. In case of authorized representative/ partner, a tender specific letter of authorization from original manufacturer for all the items mentioned in BoM(except furniture items) must be furnished.	MAF from OEM
9.	Fees	The Bidder must have furnished the tender document fee of <b>₹11,200/- (inclusive of 12% GST)</b> along with general bid.	Online through ePayment gateway of eNivida Portal

### 3.2. Commercial Bid Evaluation

- i. The Financial Bids of PQ and technically qualified bidders will be opened on the prescribed date in the presence of bidder representatives Online.
- ii. The Bidder, who submits the lowest Commercial bid, shall be selected as the L1 bidder and shall be called for further process leading to the award of the assignment.
- iii. The rates quoted must be FOR destination/ site where the IT Hardware and peripherals are to be delivered, and should include all incidental charges.
- iv. Only fixed price financial bids indicating total price for all the deliverables and

services specified in this bid document will be considered.

- v. The bid price will include all taxes and levies and shall be in Indian Rupees.
- vi. Prices quoted in the bid must be firm and final and shall not be subject to any modifications, on any account whatsoever.
- vii. All the required items must be listed and priced separately in the financial bid. If a financial bid shows items listed but not priced, their prices shall be assumed to be included in the prices of other items.
- viii. **Evaluation will be made on the basis of Total bid price inclusive of all taxes. The bidder has to quote Tax(s) as applicable in the Tax Columns of Financial Bid Format. Evaluation will be done on the basis of Grand Total cost [Total cost = (Unit cost + Taxes as applicable)].**
- ix. **In case of a Tie of the bid price for L1, both the bidders shall be called for further negotiation, then whose ever price becomes L1 will be awarded the contract.**
- x. Any conditional commercial bid would be rejected.
- xi. Errors & Rectification: Arithmetical errors will be rectified on the following basis: "If there is a discrepancy between the unit price and the total price of any item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected accordingly. In case of multiple items, grand total price shall be corrected adding the sub-total costs of each item. If there is a discrepancy between words and figures in respect of unit price, the amount in words will prevail".

#### **4. Appointment of IT Hardware & peripherals Supplier**

##### **4.1. Award Criteria**

OCAC will award the Contract to the successful bidder whose proposal is determined to be substantially responsive as per the process outlined above.

##### **4.2. Right to Accept Any Proposal and To Reject Any or All Proposal(s)**

OCAC reserves the right to accept or reject any proposal, and to annul the tendering process / Public procurement process and reject all proposals at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for OCAC action.

### **4.3. Notification of Award**

Prior to the expiration of the validity period, OCAC will notify the successful bidder through eNivida portal, that its proposal has been accepted. In case the tendering process / public procurement process has not been completed within the stipulated period, OCAC, may like to request the bidders to extend the validity period of the bid.

The notification of award will constitute the formation of the contract. Upon the successful bidder furnishing Performance Bank Guarantee, OCAC will notify each unsuccessful bidder.

### **4.4. Splitting of order**

**The work will be awarded by splitting the total quantities amongst L1, L2 and L3 bidders with ratio of 50:30:20. Bidders have to match all the prices/rates of the L1 bid in each item and complying the other terms and condition of the RFP in a fair and transparent manner.**

- **If L3 will not agree with the L1 bid price then L3 will be eliminated and its 20% will be added to L1, as a result L1 will be awarded by 70% and L2 with 30%.**
- **Similarly, if L2 will not agree with the L1 bid price then L2 will be eliminated and its 30% will be added to L1. as a result L1 will be awarded by 80% and L3 with 20%.**
- **In case both L2 and L3 will not go with L1 bid price then L1 will be awarded by 100% of work order.**
- **The tentative list of location/hospitals to be awarded among L1, L2 and L3 bidders is placed at Annexure-A (clause-7.9)**

### **4.5. Performance Bank Guarantee (PBG)**

- i. The selected bidder will submit a Performance Bank Guarantee (PBG), after issuance of Purchase order or Work order issued by OCAC as per OGFR rules.
- ii. The Performance Bank Guarantee needs to be furnished for Total validity period of 62 months from the date of submission of PBG. The selected bidder shall be responsible for claim period of the Performance Guarantee as and when it is due on account of non completion of the project and Warranty period.
- iii. In case the selected bidder fails to submit performance Bank guarantee within the time stipulated, OCAC at its discretion may cancel the order placed on the selected bidder without giving any notice and may suspend the bidder for a specific period of time as decided by the committee.
- iv. In that event, OCAC, at its discretion, may award the Contract to the next best value bidder with the discovered L1 Price, in case the bidder is agreed and whose offer is valid.

- v. OCAC shall invoke the performance Bank Guarantee in case the selected Vendor fails to discharge their contractual obligations during the project period or OCAC incurs any loss due to Vendor's negligence in carrying out the project implementation as per the agreed terms & conditions.
- vi. Performance Bank Guarantee shall be returned after 2 months of warranty period completion.
- vii. No interest will be paid by OCAC on the amount of performance Bank Guarantee

#### **4.6. Failure to Agree with the Terms and Conditions of the RFP**

Failure of the successful bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event OCAC may award the contract to the next best value bidder or call for new proposals from the interested bidders. In such a case, OCAC shall invoke the PBG of the bidder.

#### **4.7. Fraudulent and Corrupt Practices**

- i. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this RFP, OCAC shall reject a Proposal without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the "Prohibited Practices") in the Selection Process. In such an event, OCAC shall, without prejudice to its any other rights or remedies, forfeit and appropriate Performance Security or suspend the bidder for a specific time period, as the case may be, as mutually agreed genuine pre-estimated compensation and damages payable to the Authority for, inter alia, time, cost and effort of the Authority, in regard to the RFP, including consideration and evaluation of such Bidder's Proposal.
- ii. Without prejudice to the rights of OCAC under Clause above and the rights and remedies which OCAC may have under the LOI or the Agreement, if a Bidder is found by OCAC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the Work Order or the execution of the Agreement, such Bidder shall not be eligible to participate in any tender or RFP issued by OCAC/ Any Department of State Govt. during a period of 2 (two) years from the date of such Bid.
- iii. For the purposes of this Section, the following terms shall have the meaning hereinafter respectively assigned to them:
  - a. "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of OCAC who is or has been associated in any manner, directly or indirectly with the Selection Process.

- b. “fraudulent practice” means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;
- c. “coercive practice” means impairing or harming or threatening to impair or harm, directly or indirectly, any persons or property to influence any person s participation or action in the Selection Process;
- d. “undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by OCAC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or (ii) having a Conflict of Interest; and
- e. “Restrictive Practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Selection Process.

#### **4.8. Conflict of Interest**

The Vendor shall disclose to OCAC in writing, all actual and potential conflicts of interest that exist, arise or may arise in the course of performing the Service(s) as soon as practical after it becomes aware of that conflict.

- i. OCAC considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party’s performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. In pursuance of OCAC’s Procurement Ethics requirement that bidders, suppliers, and contractors under contracts, observe the highest standard of ethics, OCAC will take appropriate actions against the bidder(s), if it determines that a conflict of interest has flawed the integrity of any procurement process. Consequently, all bidders found to have a conflict of interest shall be disqualified.
- ii. A bidder may be considered to be in a conflict of interest if the bidder or any of its affiliates participated as a consultant in the preparation of the solicitation documents/RFP for the procurement of the goods and services that are the subject matter of the bid.
- iii. It may be considered to be in a conflict of interest with one or more parties in the bidding process if
  - a. they have controlling shareholders in common; or
  - b. it receives or have received any direct or indirect subsidy from any of them;  
or
  - c. they have the same legal representative for purposes of the Bid; or
- c. they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the tendering authority regarding this bidding process.



## **5. Terms and Conditions: Applicable Post Award of Contract**

### **5.1. Termination Clause**

#### **5.1.1. Right to Terminate the Process**

OCAC reserves the right to cancel the contract placed on the selected bidder and recover expenditure incurred by OCAC under the following circumstances: -

- i The selected bidder commits a breach of any of the terms and conditions of the bid.
- ii The bidder goes into liquidation, voluntarily or otherwise.
- iii If the selected bidder fails to complete the assignment as per the time lines prescribed in the RFP and the extension if any allowed, it will be a breach of contract. OCAC reserves its right to cancel the order in the event of delay and forfeit the bid security as liquidated damages for the delay.
- iv In case the selected bidder fails to deliver the quantity as stipulated in the delivery schedule, OCAC reserves the right to procure the same or similar product from alternate sources at the risk, cost and responsibility of the selected bidder, after 2 weeks of cure period.
- v OCAC reserves the right to recover any dues payable by the selected Bidder from any amount outstanding to the credit of the selected bidder, including the pending bills and/or invoking the bank guarantee under this contract.

#### **5.1.2. Consequences of Termination**

- i. In the event of termination of the Contract due to any cause whatsoever, [whether consequent to the stipulated term of the Contract or otherwise, OCAC shall be entitled to impose any such obligations and conditions and issue any clarifications as may be necessary to ensure an efficient transition and effective business continuity of the Service(s) which the Vendor shall be obliged to comply with and take all available steps to minimize loss resulting from that termination/breach, and further allow the next successor Vendor to take over the obligations of the erstwhile Vendor in relation to the execution/continued execution of the scope of the Contract. ii. Nothing herein shall restrict the right of OCAC to invoke Performance Bank Guarantee and other guarantees, securities furnished, enforce the Deed of Indemnity and pursue such other rights and/or remedies that may be available to OCAC under law or otherwise.
- ii. The termination hereof shall not affect any accrued right or liability of either Party nor affect the operation of the provisions of the Contract that are expressly or by implication intended to come into or continue in force on or after such termination.

#### **5.1.3. Extension in Delivery Period and Liquidated Damages (LD)**

- i. Except as provided under clause "Force Majeure", if the selected bidder fails to deliver any or all of the Goods or perform the Related Services within the period

specified in the Contract, OCAC may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in sub clause (iv) below for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in sub clause (iv). Once the maximum timeline is reached, the Purchaser may terminate the Contract pursuant to clause "Termination".

- ii. The time specified for delivery in the tender form shall be deemed to be the essence of the contract and the selected bidder shall arrange goods supply and related services within the specified period.
- iii. Delivery and completion period may be extended with or without liquidated damages, if the delay in the supply of goods or service is on account of hindrances beyond the control of the selected bidder to be determined by OCAC.
  - a. The supplier/ selected bidder(s) shall request in writing to OCAC giving reasons for extending the delivery period of service, if he finds himself unable to complete the supply of goods or service within the stipulated delivery period or is unable to maintain prorata progress in the supply of goods or service delivery. This request shall be submitted as soon as a hindrance in delivery of goods and service occurs or within **15 days** from such occurrence but before expiry of stipulated period of completion of delivery of goods and service after which such request shall not be entertained.
  - b. OCAC shall examine the justification of causes of hindrance in the delivery of goods and service and the period of delay occurred due to that and recommend the competent authority on the period of extension which should be granted with or without liquidated damages.
  - c. If the competent authority agrees to extend the delivery period/ schedule, an amendment to the contract with suitable denial clauses and with or without liquidated damages, as the case may be, shall be issued. The amendment letter shall mention that no extra price or additional cost for any reason, what so ever beyond the contracted cost shall be paid for the delayed supply of goods and service.
  - d. It shall be at the discretion of the competent authority to accept or not to accept the supply of goods and/ or services rendered by the contractor after the expiry of the stipulated delivery period, if no formal extension in delivery period has been applied and granted. The competent authority shall have right to cancel the contract with respect to undelivered goods and/ or service.
- iv. In case of extension in the delivery and/ or completion period is granted with

full liquidated damages, the recovery shall be made on the basis of following percentages of value of goods which the selected bidder has failed to supply or complete :

No.	Condition
1	For delay in delivery of materials beyond the delivery schedule mentioned in the work order, <b>LD @ 0.5%</b> per week or part thereof for the pending materials order value up to maximum <b>5%</b> will be deducted.

- a. The maximum amount of liquidated damages shall be 5% of the total order value.
- b. OCAC reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by OCAC to the bidder.

## 5.2. Service Level Agreement and Penalties

- i. SLA defines the terms of the successful bidder's responsibility in ensuring the performance of the hardware & all other accessories supplied as per the **Scope of Work** as specified in the RFP document based on the agreed Performance Indicators.
- ii. The Bidder shall provide comprehensive, end-to-end service including supply, warranty and replacement of the defective Hardware & peripherals in case of physical damage until delivered at the 4 Nos of Premier Hospitals, 3 nos of MCHs and 73 Nos of UPHCs of all districts (except Khordha and Jharsuguda). No reason shall be entertained (unless those mentioned in Force Majeure) in case of un-availability of any service given in the **Scope of Work** in this RFP and the appropriate **penalty** shall be levied.
- iii. The selected bidder and OCAC shall regularly review the performance of the services being provided by the selected bidder and the effectiveness of this SLA.
- iv. The following measurements and targets shall be used to track and report performance on a regular basis. The targets shown in the following tables are applicable for the entire duration of the Contract /Project, failing which the selected bidder(s) is liable to be penalized:

Note :

- a. **Upper limit of the penalties due to default in SLA Warranty is 5% of the entire PO value.**
- b. **T is the time when user reports the defect with the IT Hardware and peripherals by complain log in through web/ help desk. The bidder shall generate a Ticket on receipt of complaint and also has to keep proper record of 'Complaint Date' & 'Issue Resolution Date.'**

Sl.No.	Description	Service Level	Applicable Penalty
1.	Completion of LAN work as per scope of work	12 weeks from the date of the confirmation letter from OCAC on approval of site survey report	No penalty
		Beyond 12 weeks	0.5% of the value of the pending items per week
2.	Resolution of any hardware or network related issue during the maintenance period.	Within 1 working days from the date of reporting of issue	No Penalty
		> 3 - 14 working days	The bidder shall provide temporary replacement of device(s) in which the issue has been reported. Failing to do so will attract penalty of Rs. 200 per day per reported device
		> 14 working days	Rs. 300 per day per reported device, maximum up to 60 days, post that the department shall reserve the right to terminate the contract and forfeit the PBG

- iii. In case, it is not resolved between OCAC and the bidder, it will be referred to Principal Secretary to Govt., E&IT Department., Govt. of Odisha for negotiation and his decision would be final and binding for both the parties.
- iv. In case any dispute between the Parties, does not settle by negotiation in the manner as mentioned above, the same may be resolved exclusively by arbitration and such dispute may be submitted by either party for arbitration within **20 days** of the failure of negotiations. Arbitration shall be held in

**Bhubaneswar** and conducted in accordance with the provisions of Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. Each Party to the dispute shall appoint one arbitrator each and the two arbitrators shall jointly appoint the third or the presiding arbitrator.

- v. The "Arbitration Notice" should accurately set out the disputes between the parties, the intention of the aggrieved party to refer such disputes to arbitration as provided herein, the name of the person it seeks to appoint as an arbitrator with a request to the other party to appoint its arbitrator within **45 days** from receipt of the notice. All notices by one party to the other in connection with the arbitration shall be in writing and be made as provided in this tender document.
- vi. Each Party shall bear the cost of preparing and presenting its case, and the cost of arbitration, including fees and expenses of the arbitrators, shall be shared equally by the Parties unless the award otherwise provides. The Bidder shall not be entitled to suspend the Service/s or the completion of the job, pending resolution of any dispute between the Parties and shall continue to render the Service/s in accordance with the provisions of the Contract/Agreement notwithstanding the existence of any dispute between the Parties or the subsistence of any arbitration or other proceedings.

### **5.3. Notices**

Notice or other communications given or required to be given under the contract shall be in writing and shall be faxed/e-mailed/hand-delivery with acknowledgement thereof, or transmitted by pre-paid registered post or courier.

### **5.4. Force Majeure**

Force Majeure is herein defined as any cause, which is beyond the control of the selected bidder or OCAC as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as:

- i. Natural phenomenon, including but not limited to floods, droughts, earthquakes and epidemics
- ii. Acts of any government, including but not limited to war, declared or undeclared priorities, quarantines and embargos
- iii. Terrorist attack, public unrest in work area provided either party shall within 10 days from occurrence of such a cause, notifies the other in writing of such causes. The bidder or OCAC shall not be liable for delay in performing his/her obligations resulting from any force majeure cause as referred to and/or defined above. Any delay beyond 30 days shall lead to termination of contract by parties and all obligations expressed quantitatively shall be calculated as on date of termination. Notwithstanding this, provisions relating to indemnity, confidentiality survive termination of the contract.

## 5.5. Failure to agree with Terms and Conditions of the RFP

Failure of the successful bidder to agree with the Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event OCAC shall invoke the PBG of the selected bidder and may award the contract to the next best value bidder or call for new proposals from the interested bidders.

## 6. Scope of Work

Scope of work includes Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 UPHCs) under the OeHMIS Project.. The selected bidder shall be responsible for execution of the following work.

<b>A</b>	<b>4 Nos Premier Hospitals</b>
1	Srirama Chandra Bhanja Medical College and Hospital, Cuttack (SCB)
2	Sardar Vallabhbhai Patel Post Graduate Institute of Paediatrics, Cuttack(SVPPGIP)
3	Acharya Harihar Post Graduate Institute of Cancer, Cuttack(AHPGIC)
4	Capital Hospital, Bhubaneswar
<b>B</b>	<b>3 Nos MCHs</b>
1	Maharaja Krushna Chandra Gajapati Medical College and Hospital ,Brahmapur, Ganjam(MKCG)
2	Veer Surendra Sai Institute of Medical Sciences and Research, Burla, Sambapur (VIMSAR MCH)
3	Saheed Laxman Nayak Medical College and Hospital, Koraput (SLN MCH)
<b>C</b>	<b>73 Nos UPHC of all Districts (Except Khordha &amp; Jharsuguda)</b>

Details of the locations are as follows

SL#	District	Institution Name	Institution Type
1	Anugul	Anugul	UPHC
2	Balangir	Kandhapalipada	UPHC
3	Balangir	Sastri Nagar	UPHC
4	Baleshwar	Sahadev Khunta	UPHC
5	Baleshwar	Sovarampur	UPHC
6	Baleshwar	Sunahat	UPHC
7	Bargarh	MMC: Municipality Maternity Center	UPHC
8	Bargarh	Station Pada	UPHC
9	Bhadrak	Bagurai	UPHC
10	Bhadrak	Bhadrak	UPHC
11	Bhadrak	Purunabazar	UPHC
12	Cuttack	Bidanasi	UPHC
13	Cuttack	Bidyadharpur CRRI	UPHC

14	Cuttack	Bidyadharpur	UPHC
15	Cuttack	Brajaramba Jobra	UPHC
16	Cuttack	Kapaleswar	UPHC
17	Cuttack	Madhusudan Das Tulasipur	UPHC
18	Cuttack	Manjulata Dispensary Khan Nagar	UPHC
19	Cuttack	Nimpur	UPHC
20	Cuttack	Nuabazar	UPHC
21	Cuttack	Nuahata	UPHC
22	Cuttack	Odia Bazar	UPHC
23	Cuttack	Thoria Sahi	UPHC
24	Cuttack	Tulasipur	UPHC
25	Dhenkanal	Kathagada_Dhenkanal	UPHC
26	Gajapati	Municipality_Paralakhemundi	UPHC
27	Ganjam	Aga Sahi Berhampur	UPHC
28	Ganjam	Ambapua	UPHC
29	Ganjam	Baikuntha Nagar	UPHC
30	Ganjam	Berhampur Zonal :Aska Road	UPHC
31	Ganjam	Khodasinghi	UPHC
32	Ganjam	Red Cross Hospital Berhampur	UPHC
33	Ganjam	Uttarmukhi	UPHC
34	Ganjam	Uttreswar : Good Shed	UPHC
35	Jagatsinghapur	Paradeep	UPHC
36	Kalahandi	College Chhaka_Bhawanipatna	UPHC
37	Kandhamal	Pulbani	UPHC
38	Kendrapara	Kendrapara	UPHC
39	Kendujhar	Nalda_Barbil	UPHC
40	Kendujhar	Baneikala_Joda	UPHC
41	Kendujhar	Municipality	UPHC
42	Koraput	Gandhinagar_Koraput	UPHC
43	Koraput	Jagadhatripur_Jeypore	UPHC
44	Koraput	Jeypore LR	UPHC
45	Koraput	Similiguda	UPHC
46	Malkangiri	Malkangiri	UPHC
47	Mayurbhanj	Debendrapur	UPHC
48	Mayurbhanj	Municipality Hospital	UPHC
49	Mayurbhanj	Tulasichaura	UPHC
50	Nabarangapur	Nabarangapur	UPHC
51	Puri	Chandan Hazuri Paediatric Hospital	UPHC
52	Puri	KDMM	UPHC
53	Puri	Municipality Dispensary Dolabedikona	UPHC
54	Puri	Municipality Hospital Swargadwar	UPHC
55	Puri	Penthakata	UPHC
56	Rayagada	Rayagada	UPHC
57	Rayagada	Gunupur	UPHC

58	Rayagada	Rayagada2	UPHC
59	Sambalpur	Burla	UPHC
60	Sambalpur	Chaurpur	UPHC
61	Sambalpur	Dhankauda	UPHC
62	Sambalpur	Dhanupali	UPHC
63	Sambalpur	J Pujari Maternity Home	UPHC
64	Sambalpur	Khetrampur Dispensary	UPHC
65	Sambalpur	Maneswar	UPHC
66	Sambalpur	UFWC: Urban Family Welfare Centre	UPHC
67	Sundargarh	Bandhamunda	UPHC
68	Sundargarh	Biramitrapur	UPHC
69	Sundargarh	Hamirpur	UPHC
70	Sundargarh	Mahatab Road	UPHC
71	Sundargarh	Sector-22	UPHC
72	Sundargarh	UFWC: Urban Family Welfare Centre	UPHC
73	Sundargarh	Sundargarh	UPHC
74	Cuttack	SCB, Cuttack	Premier
75	Cuttack	SVPPGIP, Cuttack	Premier
76	Cuttack	AHPGIC. Cuttack	Premier
77	Khordha	Capital Hospital, Bhubaneswar	Premier
78	Ganjam	MKCG, Berhampur	MCH
79	Sambalpur	VIMSAR, Burla	MCH
80	Koraput	SLN_Koraput	MCH

### 6.1. Detailed Scope of Work

The scope of work of bidder includes the following activities:

- 1 Site survey & feasibility is to be undertaken for identification of the actual places in the premises where hardware, network, WiFi, power and earthing points are required to be installed. This task should be completed within 15 days from the date of Lol/PO.
- 2 The bidder should submit the Hospital wise LAN diagram by indicating the switch, IO etc. with site survey report.
- 3 Supply, Installation & Integration, Commissioning of LAN and hardware infrastructure .
- 4 The bidder shall ensure smooth & seamless integration of the supplied equipment's with the existing network infrastructure at 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda), if available. The entire ICT Infrastructure installed shall be implemented / customized in accordance with the network deployment architectures to be designed as per guidelines.
- 5 Structured LAN cabling for complete ICT infrastructure at 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) Complex as per technical specifications as given in clause-6.6.



- 6 Monitoring, Management and Maintenance of ICT Infrastructure comprising of UTM, Router, Switches, UPS, Structured LAN Cabling (including UTP & Fiber etc) and electrical work as given in clause 6.3 and 6.6 respectively.
- 7 All components provided by the bidder shall adhere to specifications given in clause 6.3 and 6.6.
- 8 **Necessary Cabling for drawing power from the power source provided by the 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) UPHC near Racks.**
- 9 After physical inspection & preliminary testing, the supplier shall prepare a detailed plan for Installation of equipment's in consultation with 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) Manager.
- 10 Comprehensive Warranty Support Services for a period of 5 years The bidder shall provide five years comprehensive onsite warranty support services of entire ICT Infrastructure (All Network Equipment's and hardware which are supplied by them). The warranty support services shall be valid for a period of 05 year from the date of final acceptance of all the equipment's by consignee or 60 months from the date of delivery to the consignee at their respective site (in case the delay in implementation is on the part of user), whichever is earlier. Individual OEM warranty certificate for all the items installed to be submitted. The warranty support services shall include:
  - 11 The bidder shall provide onsite maintenance of complete ICT infrastructure.
  - 12 The bidder shall attend the sites on call basis (24 x 7 x 365) for providing support to the hardware equipment's/ LAN related problems to meet the SLA as defined.
  - 13 All the hardware equipment's and structured LAN cabling components (UTP & Fiber) with all electrical work in BOM/BOQ shall have on-site warranty support i.e. the repair / replacement of faulty units during the warranty period have to be ensured at sites after the complaint is lodged with the respective resident engineer or on centralized helpdesk of bidder.
  - 14 Bidder shall nominate an Account Manager / Senior functionary for day-to-day coordination with 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) throughout the warranty support service period.
  - 15 The bidder shall provide a complaint Escalation mechanism for 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) with complete details including address, phone number etc. for escalation of complaints during the warranty period.
  - 16 The bidder should have a centralized helpdesk for logging of complaints. After the call is logged, the complainant should receive a call back within 1 hour to brief the status of the call logged and the details of the engineer to whom the call is assigned, for efficient and quick resolution of the problem.
  - 17 The bidders shall provide provision to log complaints/ open support cases directly with OEM on 24 X 7 basis through Phone/Email/Web for hardware and Networking equipment's. Problems in equipment which causes downtime/degradation of services

and resolution of which require development of patches, bug fixes etc. shall be treated by OEM on urgent basis.

- 18 The OEM shall provide appropriate solution on fast-track basis so that desired service levels are maintained. The bidder shall furnish an undertaking from OEM in this regard along with detailed process document to take support from OEM.
- 19 The bidder shall provide Upgrades and Updates for entire ICT infrastructure as and when released by OEMs and shall be made available free of cost. Software updates/upgrades shall also be done keeping in view advancement in technology, shortcomings of the system, security vulnerabilities, or changes required for improving functional efficiency and security level of the system. The bidder shall ensure complete rollback to original status in case of problem and shall take necessary system backups before the activity.
- 20 If required, bidder shall maintain their own inventory of spares so as to give fast and efficient service and 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts shall not procure or stock spares. Bidder shall arrange its own tools and test equipment's for the maintenance service at these sites.
- 21 Bidder shall depute resources and also arrange for OEM resources (if required) for any activity planned in ICT infrastructure at 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda).
- 22 All the patches and upgrades of network equipment's and hardware infra are to be carried out by the bidder as per the recommendations and releases done by the OEMs.
- 23 The bidder shall attend sites and carry out preventive maintenance at least half yearly in off-peak hours in consultation with Tech In-charge. The preventive maintenance schedule shall include the following:
- 24 Diagnostic tests to check all equipment's/servers by running the console diagnostics tests to check hardware network ports, various functional modules etc.
- 25 Shall use diagnostic software or alternative facility/facilities to diagnose and analyze predictive failures.
- 26 The various components required for structured cabling shall be tested using Industry standard testing/measurement instruments (such as Fluke meter, Penta scanner, Optical Time Domain Reflectometer) to verify applicable performance parameters. These parameters shall include impedance (in ohms), propagation delay, Delay skew, resistance (ohms), NEXT (near end cross talk), FEXT (far end cross talk), return loss, ACR (attenuation to cross talk ratio), Insertion Loss, Return Loss, pairs, attenuation, power sum next etc. Any component or cable not meeting the requisite performance parameter shall be replaced and complete report of the test activity including the corrective action submitted to respective 4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda)
- 27 If any fault is detected during diagnostics then take necessary steps to rectify it and replace it, if required.
- 28 Analyse error log for errors reported since previous Preventive Maintenance activity.

- 29 If any errors are observed in error log, analyze them in detail and carry out necessary activities to eliminate them.
- 30 During implementation and warranty support service period, if it is observed that any of the supplied components of ICT Infrastructure and electrical infrastructure (Network equipment's, hardware and electrical infra) is not able to handle load or its performance is not able to meet the functional requirements/ technical specifications given in the Tender, the bidder at its own cost shall replace that component (software or hardware) with higher end equipment or provide additional Hardware /software components/License for meeting the technical specifications.

## **6.2. Distribution of Hardware and LAN**

The below mentioned tables shows the tentative list of hardware to be deployed at various sections/departments within the hospital. The bidder has to make a detailed survey of the each of the location and prepare a LAN diagram with installation points and accordingly execute the work.

### 6.3. Bill of Materials [BoM]

4 Premier Health Institutions, 73 UPHC(Except Khordha & Jharsuguda)										
Item Description	Quantity									
	Unit	SVPPGI P	Capital	AHPGI C	SCB	MKCG MCH (Ganjam)	VIMSAR MCH (Sambalpur)	SLN MCH (Koraput)	73 UPHC(Except Khordha & Jharsuguda)	Total Quantity
<b>Network Passive components</b>										
1 Category 6 UTP Cable ( In Meters)	Meter	5280	14250	11370	41100	1250	600	680	36500	111030
2 Cat-6 I/O Jack with back box and Face Plate	No	99	341	290	1170	25	12	12	803	2752
3 Ethernet Patch/ Jack panel Cat 6 UTP ( 24 Ports) with mounting accessories	No	15	20	17	52	4	3	3	73	187
4 6 Core Single-Mode Fiber Optic Cable (In meters)	Meter	1890	1540	1400	0	495	250	0	0	5575
5 12 Port OFC LIU Loaded with Adaptor, connectors and pigtails.	No	10	7	6	3	1	1	0	0	28
6 Single Mode 1G GB-FC OFC Transceivers	No	22	17	14	8	4	4	1	146	216
7 Fiber patch cord	No	22	17	14	8	4	4	1	146	216
8 22 U Rack for network/server room with Accessories(Floor standing)	No	1	1	1	1	1	1	1	73	80
9 9 U Rack with Accessories for N/W Edge Switch	No	14	18	15	50	3	2	2	73	177
10 UTP Patch Cord Cat 6 UTP 3 Ft	No	99	341	290	1170	25	12	12	803	2752
11 UTP Patch Cord Cat 6 UTP 7 Ft	No	73	104	185	627	29	16	16	949	1999
12 PVC/Conduit pipe for Cat-6 [ in Mts]	No	3640	8260	7140	28000	560	280	280	36500	84660
13 PVC conduit Pipe for OFC laying[ in Meters]	Meter	980	1260	420	0	205	80	0	0	2945
14 HDPE Pipe for OFC laying (without digging)	Meter	1400	280	700	0	290	170	0	0	2840
15 HDPE Pipe for OFC laying (with digging) in meter (price discovery item)	Meter	280	280	280	0	100	0	100	0	1040
16 Fixing of IO	No	99	341	290	1170	25	12	12	803	2752
17 Fixing of Jack Panel	No	15	20	17	52	4	3	3	73	187
18 Fixing of Rack	No	15	20	17	52	4	3	3	73	187
19 Earthing(Chemical) with accessories	No	1	1	1	1	1	1	1	73	80
20 Configuration, Testing and Commissioning of the Data Networking system with 5 year warranty	Per Hospital	1	1	1	1	1	1	1	73	80

**4 Premier Health Institutions, 73 UPHC(Except Khordha & Jharsuguda)**

Item Description	Quantity									Total Quantity
	Unit	SVPPGI P	Capital	AHPGI C	SCB	MKCG MCH (Ganjam)	VIMSAR MCH (Sambalpur)	SLN MCH (Koraput)	73 UPHC(Except Khordha & Jharsuguda)	
<b>Network Active Components</b>										
1 Network Router	No	1	1	1	1	1	1	1	73	80
2 24 Port Gigabit SFP Ports - Layer 3 Core Switch	No	1	1	1	1	1	1	1	73	80
3 24 Port Gigabit Ethernet Managed L2 Switch	No	15	20	17	52	1	1	1	73	180
4 Firewall / UTM Device	No	1	1	1	1	1	1	1	0	7
5 Wireless Access Points with adaptor, PoE and cables	No	25	41	42	81	0	0	0	292	481
<b>UPS Infrastructure</b>										
1 On-Line 2 KVA UPS for Network Rack	No	0	0	0	1	1	1	1	73	77
2 Line Interactive 1 KVA UPS ( With 30 Mnts backup)	No	78	49	137	383	24	11	11	511	1204
<b>BOQ of Electrical &amp; Other Infrastructure</b>										
1 Electrical points in Hospital Campus(5/15 Amp)--Electrical Wiring with All materials (i.e: Power Switch, Socket, DP and other accessories)	No	133	490	419	1540	59	32	32	1168	3873

- a . Above bill of material is indicative in nature. There may be increase/decrease of materials after site survey/ while execution of work
- b. All the items mentioned in Bill of Material section must have 5 years of onsite Warranty Support
- c. Bidder to quote all the products/equipment mentioned in the Bill of Materials. Otherwise the bid will not be considered.
- d. Bidder has to furnish tender specific Manufacture Authorisation Form against all the item mentioned in the Bill of Material. The Manufacture Authorisation Form should be issued by concern OEM.
- e. Bidder to furnish the bill of materials of the items quoted under the tender in technical bid.

#### **6.4. Comprehensive OEM Warranty and support services**

The Successful bidder shall:

- i. Provide onsite warranty and support for entire network for a period of 5 years.
- ii. Provide comprehensive OEM Warranty and support services through its designated Support Service Centres / Resident Engineers.
- iii. Warranty to start from date of acceptance of material by competent authority.
- iv. Be responsible to ensure adequate and timely availability of spare parts needed for repairing the supplied goods at the service support centres / Resident Engineers during the warranty period.
- v. The Successful bidder to provide Single Point of Contact Details (SPOC) for warranty and Support.

#### **6.5. Delivery and Installation**

**The bidder should supply and install all the materials at 4 Nos Premier Hospitals, 3 Nos MCHs and 73 Nos UPHCs of all districts (except Khordha & Jharsuguda) within 12 weeks from the date of PO. LAN must be completed within 12 weeks from the date of confirmation letter issued to bidder on approval of site survey report.**

#### **6.6. Specification of the hardware and Networking Items**

All the specifications below are minimum specifications and higher specifications shall be used wherever necessary/ required. Deviation on higher side shall only be considered. The bidder need to fill up and submit the technical compliance sheet in pre-qualification-cum-technical proposal

### 6.6.1. Item 1: Specifications of Router

**Make: (Bidder to Specify)**

**Model: Bidder to specify**

SL#	Item	Description of Requirement	Compliances (Yes/No)
1.	Memory	Flash Memory should be minimum of 256MB.	
		Min. RAM .512MB.	
		Minimum 800Kpps packet forwarding performance	
2.	Interface	Router should have at least two 10/100/1000M Gigabit routable WAN Ethernet ports and one 10/100/1000M Gigabit LAN Ethernet port.	
		Router should have one console port	
		Router should have one Auxiliary port/USB Port	
3.	Software	Router Should support Frame Relay Protocol	
		Router Should support PPP Protocol	
		Router Should support PPPOE(Server/Client) Protocol	
		Router Should support HDLC Protocol	
		Router Should support 802.1q Protocol	
		Router Should support MPLS Protocol	
		Router Should support ARP & Proxy ARP	
		Router Should support DNS & DNS Proxy	
		Router Should support NAT	
		Router Should Support ICMP & IGMP	
		Router Should Support DHCP (Server/Client/relay)	
		Router Should Support IP Multicast	
		Router Should Support PIM-DM/SM	
4.	Routing	Router should support Static Routing	
		Router Should Support RIP	
		Router Should Support OSPF	
		Router Should Support EIGRP or Equivalent	
		Router Should Support BGP-4	
		Router Should Support PBR	
5.	Security	Router Should Support AAA Radius	
		Router Should Support TACACS+	
		Router Should Support State full Firewall/Zone based firewall	
		Router Should Support L2TP,PPTP,GRE,IPSEC,IKE & MPLS VPN	
		Router Should Support VLAN	
6.	Reliability	Router should support port backup	
		Router Should support HSRP or Equivalent	
7.	QoS	Router Should Support FIFO,PQ,CQ,CBWFQ,WFQ,RED,WRED,DSCP	
		Router Should Support IP Precedence	
		Router Should Support RSVP & CAR	
8.		Router Should Support SNMP V1/2/3	

	Network Management	Router Should Support RMON	
		Router Should Support Console Access	
		Router Should Support Telnet Access	
		Router Should Support TFTP for firmware upgrade	
9.	Physical & Environmental	Router Should be able to work in minimum 0 to 40' C temperature	
10	Enclosure	Rack Mounting enclosures should be supplied along with Router	
11	Standard Warranty & Support	5 years on-site NBD	

### 6.6.2. Item – 2: Specifications of Central Core (L3) Switch

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Item	Description of Requirement	Compliances (Yes/No)
Make & Model Offered	Mention Make & Model	
Interface options	Minimum 24 x 1G SFP ports Shall have dedicated Console Port for management or Higher. Should support redundant hot swappable management module. Should be ready from day 1, loaded with relevant modules.	
Power Redundancy	Dual load-sharing internal power supplies (1+1 Redundancy) with dual FAN tray	
Architecture	Switching architecture providing Non- Blocking & Wire speed Performance	
	Throughput : 128MPPS or higher	
	Should have 1GB RAM or higher;	
	Switching capacity 150 Gbps or higher	
	MAC Address Table: 32K Entries or higher, Shall support 15K or higher routing entries	
Performance	Non-blocking architecture with non-blocking switching throughput (full duplex)	
Security	RADIUS, TACACS+: allow and deny SSH v1, v2, HTTPS	
VLANs	Port-based VLANs, VLAN and active VLAN support (802.1Q)	
Spanning tree	Multiple spanning tree (802.1s), Rapid spanning tree (802.1w),	
Quality of service	QoS 802.1p (Priority queues), DSCP remarking,	
Routing protocols	RIP v1/v2, OSPF, BGP, PBR from day-1	
High availability	Virtual Router Redundancy support (VRRP) or equivalent	
Management	USB boot or equivalent	
IPv4 & IPv6 Compliant	IPv6 Compliant & other standard IPv4 protocols	
Multicast	IGMP v1, v2, v3 and equivalent protocols	
Protocols	IPv6 Compliant, SNMP v1, v2c & v3, RMON, NTP/SNTP support, DHCP client, DHCP Server, 9K Jumbo Frames	
Certifications	Emissions: FCC Class A, VCCI, UL, IEC or equivalent	
Temperature	operating: 0° C to + 40° C (minimum)	
Relative humidity	Non-condensing, operating 5 to 95 %	



Enclosure & Accessories	Rack Mounting enclosures should be supplied along with all accessories.	
Warranty & Support	5 Years Comprehensive Warranty on Hardware & Software. Warranty on Software should include access to Free Upgrades & Free Updates.	

### 6.6.3. Item 3: Specifications of 24 Port Gigabit Ethernet Port Edge Switch

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Item	Description of Requirement	Compliances (Yes/No)
Interface Options	The switch should have Minimum 24*100/1000 T (Gigabit) Ethernet Ports + 4 or more x 1/10G SFP+ ports. Should be ready from day 1, loaded with relevant modules.	
Architecture	Single Switch should provide Non-Blocking Wire speed performance.	
	Switch shall have minimum 128Gbps switching capacity	
	The switch should have less than or equal to 5 uSec latency	
	Should have 512 MB RAM or higher	
	Switch should support at least 200 concurrent VLANs or higher	
	Must support STP/PVST or equivalent	
	64-Byte Packet Forwarding Rate: 95Mpps or higher; MAC Address Table Size: 8K or higher	
Security	802.1x with VLAN assignment, Private VLAN edge or port security, RADIUS	
	Port based ACLs, SSL, Secure hardware based storage of crypto keys	
	Denial-of-Service (DoS) protection or equivalent	
Spanning Tree	Should support Multiple Spanning Tree (802.1s), Rapid Spanning Tree (802.1w),	
Multicast	IGMP	
Protocols	SNMP v1, v2c, v3, RMON, 9K Jumbo Frames	
Certification	EMI/EMC: FCC Class A, VCCI Class A or equivalent	
Temperature	operating: 0° C to + 40° C (minimum)	
Enclosure & Accessories	Rack Mounting enclosures and other accessories for mounting.	
Warranty & Support	5 Years Comprehensive Warranty on Hardware & Software. Warranty on Software should include access to Free Upgrades & Free Updates.	

### 6.6.4. Item – 4: Unified Threat Management (UTM)

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

#	Specifications	Compliances (Yes/No)
1	Firewall: Appliance based firewall with build in OS	

2	Should have CLI, GUI and console option	
3	Offered Product should have EAL/ICSA certification and OEM shall be in category in last two published MQ reports of Gartner for UTM Firewall.	
4	Number of NIC slots, should have minimum 10x 10/100/1000 Mbps Ethernet interfaces, Min 4x SFP+ interface for fiber connectivity	
5	The Antivirus/Antimalware should have a guaranteed throughput of more than 3.4 Gbps .	
6	Firewall should not use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet	
7	Number of sessions : should support at least 1 million concurrent sessions	
8	Should have a State-full throughput of at least 5 Gbps for Firewall	
9	The Intrusion Prevention should have a guaranteed throughput of more than 3.5 Gbps	
10	Licensing: should be as per device license and not user/IP based license.	
11	Integrated purpose built in Firewall and VPN: This feature should be easy to configure and use. Should have a support inbuilt for IPSEC VPNs, should support DES, 3 DES and AES (128,192, 256)	
12	Integrated SSL VPN with license for 100 users should be provided from day one.	
13	Firewall should have built in IPS, Antivirus and web filtering license and should get automatically updates from the internet.	
14	Should also have support for Antibot, GeoIP Protection and Data leakage prevention with application control as well	
15	Should have integrated application control. Should be able to define security policy and enforcement for thousands of applications, regardless of the port or the protocol used for communication.	
16	Management: should support management of the box through HTTPS as well as SSH along with console access.	
17	Security Policy: should be easy to configure and manage the firewall policies.	
18	NAT: should support dynamic NAT as well as one-to-one NAT.	
19	Performance: Robust High Level Threat Protection Performance for firewall and VPN and should minimum of 3.5 Gbps firewall Threat Protection throughput and 2 Gbps IPsec VPN Throughput	
20	High Availability: The firewall should be able to support high availability (active - active or active - Passive/hot standby)	
21	Multi WAN/ISP support: should support automatic ISP failover as well as ISP load sharing for outbound traffic. Should have separate interfaces for terminating dual ISP Ethernet connectivity.	
22	Traffic Management: option to configure traffic shaping on a per policy basis for specific application/specific networks and should be able to define guaranteed bandwidth and maximum bandwidth per policy.	
23	The appliance should support VLAN tagging (IEEE 802.1q) and should support VLANs on all interfaces and minimum of 256 VLAN should be Supported	
24	Should have option to block file based on their extension.	
25	The firewall must support cloud or appliance based Sandbox technology and OEM must have own Advanced Threat Protection solutions.	
26	The Firewall should support RIPv1 , RIPv2 OSPF & BGP .	
27	Logging & Reporting : should support secure and generate reports based on the firewall logs	

28	The Firewall should have the capability to block/prevent from Side Channel attacks like Meltdown, Spectre, Foreshadow, Foreshadow-NG, Portsmash etc.	
29	Should support min 20K DPI signatures, 60 millions Cloud AV signatures and 3500+ Application Signatures from day one.	
30	Should have configurable options to enable logging at a firewall policy level , log denied traffic details etc.	
31	OEM should have TAC and R&D center in INDIA. Proposed Solution should support 24x7 telephone, email and web-based technical support.	
32	Manufacturer's warranty should be mentioned minimum 05 (Five) years warranty including all services like GAV, IPS, Antispyware or antimalware, CFS, Application control, BoT protection , Advance Threat Protection, Patch & Firmware upgrade.	

#### 6.6.5. Item – 5: Specifications of Wi-Fi Access Point

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Parameter	Specifications	Compliances (Yes/No)
Interfaces	Wireless access point should support IEEE 802.11a/b/g/n/ac/ax and should be wave-2 ready from day-1, 2.4GHz and 5 GHz concurrent operations. It should have dual antenna and minimum 2x2 MIMO with 2 spatial stream configurations on 5GHz.	
Bandwidth	1700 Mbps or higher	
Ports	Minimum 1 x LAN 100/100 port or Higher ;Should support Zigbee and Bluetooth 5	
	It should allow concurrent sensing on 2.4 GHz and 5.0 GHz.	
Security	It should support WPA2 and WPA3 enterprise-class strong security with RADIUS and certificate authentication.	
Encryption	It should support Encryption 64-bits & 128 bits	
Management	It should support Dynamic channel management.	
Protocol Support	It should support up to 500Mbps data rate on the 2.4GHz radio and up to 1.2Gbps on the 5GHz radio.	
Standards	802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, and 802.11ax network standard.	
Antenna	Omni-directional antennas (attached/integrated), Minimum 4 dBi in 2.4GHz and minimum 5 dBi in 5GHz	
PoE	It should be Auto-sensing 10/100/1000 Ethernet PoE with standard 802.3af or better and should have console access	
Compliance	It should have Regulatory Certification IEC 60950, IEC 60950-1/WEE/ROHS. The Max transit power of the AP + Antenna should be as per WPC norms for indoor Access Points. OEM to give an undertaking letter stating that the AP will configure as per WPC	

	guidelines for indoor AP and also submit the WPC certificate showing approval.	
Operational	Must support remote login with Telnet or SSH login to Aps directly for troubleshooting flexibility	
	AP must be offered with required controller software/hardware. AP must support operation in stand-alone or with-controller.	

#### 6.6.6. Item – 6 : 1 KVA Line Interactive UPS

**Make : (Bidder to Specify)**

**Model : ( Bidder to Specify)**

Features	Specifications of Items Offered	Compliance and Deviations if Any to be Mentioned
OEM	OEM should have own centralized help desk (24x7 support ) with toll free number	
OEM	Manufacturer should be ISO 9001, ISO 14001 and ISO 18001/45001 certified	
Output Power Capacity	600 Watts / 1000 VA	
Nominal Output Voltage	230V +/- 10%	
Efficiency at Full Load	80% or better	
Output Frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1	
Waveform Type	Stepped approximation to a sinewave	
Output Connections	3 Nos. India 3-pin 6A & 1 for printer(Surge Protection)	
Efficiency at Half Load	84% or better	
Nominal Input Voltage	150 - 280V	
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)	
Input Connections	India 3-pin 6A	
Power Cord Length	1.52 meters	
Input voltage range for main operations	150 - 280V @ 100% load	
Battery Type	Maintenance free sealed Lead acid battery leak proof	
Operating Environment	0 - 40 °C	
Operating Relative Humidity	0 - 95%	
Storage Temperature	-15 - 45 °C	
Storage Relative Humidity	0 - 95%	
Audible noise	<45.00 dBA	
Indicator	Multi-function LCD status and control console/LED based	
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload	
Warranty	Next Business Day Warranty for 05 years including battery	

### 6.6.7. Item – 7: 2 KVA Online UPS

Make : (Bidder to Specify)

Model : ( Bidder to Specify)

<b>Specification</b>	
<b>Generic</b>	
Rating in KVA (KVA)	2.0 KVA
Technology	IGBT-PWM without inbuilt isolation transformer
Input Power	single phase 160V - 260V sinewave,50Hz
Output power	Single phase 230V +/-1% sinewave 50 Hz
Backup time (Minutes)	60
Minimum VAH (VAH)	3200, 4800, 6400
Warranty for UPS (Years)	2
Movable trolley for Batteries	Without trolley but with rack
Warranty for battery	2
Degree of Protection	IP20, IP21
Cabling 5 meters for input and out put	With
Paralleling kit for synchronising	Without
Installation and Commissioning	Yes
<b>Constructional</b>	
Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1, 1.2
Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
<b>Functional</b>	
Maximum overshoot and Under shoot of output rated voltage	4
Voltage Regulation from no load to full load (%)	< / = 3%
20% Overload limit for minimum 10 minutes	Yes
Overall Efficiency (%)	>/=90%
Total Harmonic Distortion(THD) (%)	Maximum 3%
50% Overload limit for minimum 1 minutes	Yes
<b>Protection</b>	
Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes
Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes
<b>Metering And Indications</b>	
Digital Metering in UPS for AC Input Voltage, Output AC Voltage, Current, Frequency, Battery Voltage and Current	Yes
Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage	Yes
<b>Reports And Certification</b>	
Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)	Yes
Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes

Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes
Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes
Type Test Certificate No.	Yes
As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes

#### 6.6.8. Item – 8: Specifications of GB-FC Transceiver (SM)

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

Item	Description of Requirement	Compliances (Yes/No)
Bandwidth	Should provide Single mode 1 G throughput( GB-FC Transceivers)	
Features	<ul style="list-style-type: none"> <li>Should be of same make as the <b>Central Core (L3) Switch (as per item at 6.6.2)</b></li> <li>Gb-FC Transceiver should be single mode</li> </ul>	

#### 6.6.9. specifications of Passive Networking Components

**Make: (Bidder to Specify)**

**Model: (Bidder to Specify)**

1. 9 U Network Rack with cable manger as per number of edge Switch		Compliances (Yes/No)
Item	Description of Requirement	
Features	Wall Mount Enclosure, Single Section (CRCA Steel Frame with following items: - Top cover with cable entry- 1no. Bottom cover with cable entry -1no. Angles – 2 pairs - Front Glass Door, 19" rack, minimum 600 mm depth, 9U height, and Front glass door, lockable, PDU with 6 power Points (1 No.), Min 3 Tray, Hardware mounting packets : 2 Packets (Pack of 10), other accessories like air circulation fan, cable manager, etc.	
2. 22 U Network Rack with cable manager for Network/server room		Compliances (Yes/No)
Item	Description of Requirement	

Features	Floor Mount Enclosure with With Caster wheels 4 nos(2 nos with brake), Single Section (CRCA Steel Frame with following items: - Top cover with cable entry- 1no. Bottom cover with cable entry -1no. Angles – 2 pairs - Front Glass Door, 19" rack, minimum 800x800 mm depth, 22U height, and Front glass door, lockable, PDU with 6 power Points-5+15Amp (2 No.), Min 2 Tray, Hardware mounting packets : 2 Packets (Pack of 10), other accessories like air circulation fan, cable manager, etc.	
<b>3. Category 6 UTP Cable (Mts.)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
	4 Pair with ETL test report for channel and zero bit error - All UTP Components should be from the same OEM. The OEM should be ISO 9001:2000 Certification for Design, development, Manufacturing of copper & fiber cables and components. Also to furnish the documentary proof. In the changing needs of the global resources if the company has environmental management systems in place like ISO 14001 accreditation the same shall be added advantage.	
	The cabling should be certified to have application support warranty for next 25 years or higher.	
Features	Category 6 Unshielded Twisted Pair 4 pair with ANSI/TIA/EIA-TIA-568.2-D.	
	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP Non Plenum cable jacket.	
	4 pair Category 6 Unshielded Twisted Pair cable shall be UL Listed	
	All Category 6 cables shall meet or exceed the following characteristics:	
Mechanical	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.	
Characteristics	Conductor Solid Copper	
	Conductor Diameter 0.574mm (23 AWG)	
	NPV :65%, D.C. Resistance: 9.38 ohm/100m	
	Insulator Polyolefin or polyethylene	
	Characterized up to minimum 600Mhz. Should be highlighted in the product data sheet. The Cable should be CM Rated.	

	Cable jacket must be LSZH	
	Outer Diameter >= 6.2mm	
	Max. Operating Temp 60°C and Storage Temp 75°C.	
<b>4. Face Plate &amp; Gang box with RJ-45 Jack</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Single Gang square plate, 86mmx86mm	
	Write on labels– supplied with plate	
	Screw hole covers – to be supplied with plate	
	Plug in Icons – Icon tree – to be supplied with plate	
	Should be able to support variety of jacks – UTP, STP only	
<b>5. I/O Boxes</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Category 6, TIA568B.2-D – 500MHz	
	All information outlets for 100 ohms, 22-24 AWG copper cable shall: Use insulation displacement connectors (IDC)	
	Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limits.	
	Be constructed of high impact, flame-retardant thermoplastic with color and icon options for higher visual identification	
	With integrated spring loaded shutter for Dust protection and prevents incomplete mating	
	With Terminator cap	
	IDC posts should be pointed	
	568 A/B configuration	
	Information outlet (RJ45 jack) should be covered under	
	ETL Verification program for compliance with	
	TIA568B.2-D, ETL certificate to be submitted with offer	
Mechanical : Jack Connector	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
	Operating Life: Minimum 750 insertion cycles	
	Contact Material: Copper alloy	
	Contact Plating: 50 μinches gold over 100μ inches nickel	
	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
	Operating Life: Minimum 200 Re-terminations	
	IDC Contact Plating: Tin Plate (tin/lead)	
<b>6. 24 Ports Jack Panel Cat 6 ( Edge&amp; Core)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Be made of cold rolled steel, in 24 port configurations. Each jack should have spring loaded shutter inside the jack for 100% dust free environment.	



	Allow for a minimum of 750 plug mating cycles	
	Have port identification numbers on the front of the panel.	
	Should have white designation labels with the panel, with optional color labels / icons.	
	Each Ports/Jack should be with individual spring loaded shuttered for dust protection. Each port (jack) and individual replaceable.	
	Should have integrated rear cable management shelf.	
	Should comply to the following : TIA/EIA-568-B.2-1	
	Component Compliant, FCC Subpart F 68.5 Compliant,	
	IEC-603-7 Compliant, ISO 11801 Class E Compliant, UL	
	1863, Jack Panel Should be ETL Certified	
Mechanical	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
Characteristics	Operating Life: Minimum 750 insertion cycles	
Jack Connector	Contact Material: Copper Alloy	
	Contact Plating: 50µ" Gold/100µ" Nickel	
	Contact Force: 100g minimum	
	Plug Retention Force: 11 lbf.	
IDC Connector	Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent	
	Operating Life: Minimum 200 re-terminations	
	Contact Material: Copper Alloy	
	IDC Contact Plating: Tin/Lead Plate	
	Contact Force: 100g minimum	
	Wire Accommodation: 22-24 AWG solid	
<b>7. Mounting cords 3 Ft</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Category 6 Equipment cords (Length – 3 ft.)	
	The work area equipment cords shall, at a minimum, comply with proposed ANSI/TIA/EIA-568.2-D Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100 Category 6 Cabling.	
	Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332-1, IEC 61034)	
	Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	

	Should have 50 micro inches of gold plating over nickel contacts.	
	Modular cords should include a molded strain relief boot.	
	Should be covered by ETL verification program for compliance with TIA 568.2-D. Certificate to be submitted with bid.	
Mechanical – Cable	Conductor size: 24 AWG stranded bare copper	
	Max O.D.: 5.9mm	
	Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)	
	Temperature range: -20°C to +60°C	
Mechanical	Operating life: Minimum 750 insertion cycles	
Characteristics – Plug	Contact material: Copper alloy	
	Contact plating: 50µ" Gold/100µ"Nickel	
	Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7	
	Approvals: UL	
Electrical	Max voltage: 150 VAC (max)	
Characteristics – Plug	Max current: 1.5A @ 25°C	
	Operating temperature: -40°C to 75°C	
<b>8. Mounting cords 7 Ft</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Category 6 Equipment cords (Length – 7 ft.)	
	The work area equipment cords shall, at a minimum comply with proposed ANSI/TIA/EIA-568.2-D Commercial Building Cabling Standards Transmission Performance Specifications for 4 pair 100Category 6 Cabling.	
	Category 6 modular equipment cords: Shall be round, and consist of eight insulated 24 AWG, stranded copper conductors, arranged in four color-coded twisted-pairs within a flame-retardant LSZH jacket (Low Smoke Zero Halogen, CSA FT1, IEC 60332-1, IEC 61034)	
	Equipped with Factory Crimped modular 8-position modular plugs on both ends, wired straight through with standards compliant wiring.	
	Should have 50 micro inches of gold plating over nickel contacts	
	Modular cords should include a molded strain relief boot.	
	Should be covered by ETL verification program for compliance with TIA 568B.2-D. Certificate to be submitted with bid.	
Mechanical – Cable	Conductor size: 24 AWG stranded bare copper	
	Max O.D.: 5.9mm	

	Jacket: LSZH (CSA FT1, IEC 60332-1, IEC 61034)	
	Temperature range: -20°C to +60°C	
Mechanical	Operating life: Minimum 750 insertion cycles	
Characteristics – Plug	Contact material: Copper alloy RJ45 plug and boot material: Clear polycarbonate	
	Contact plating: 50µ" Gold/100µ"Nickel	
	Plug dimensions & tolerances compliant with FCC Part 68 and IEC 60603-7	
	Approvals: UL	
Electrical	Max voltage: 150 VAC (max)	
Characteristics – Plug	Max current: 1.5A @ 25°C	
	Operating temperature: -40°C to 75°C	
<b>9. PVC Conduit pipe for Cat-6 cable (PYC 30 x 25 mm), (PYC 15 x 15 mm) &amp; (PYC 45 x 25 mm) ( to be used as per size requirement)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	ISI Standard	
	PVC Conduit pipe for Cat-6 cable (PYC 30 x 25 mm), (PYC 15 x 15 mm) & (PYC 45 x 25 mm) / PVC Conduit/ Baton/ Flexi (1"/ 2"/ 4")	
<b>10. OFC -6 Core (Single-Mode) ( In Meters)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Cable Type	6 Core fiber Cable, Single Mode OS2, Unitube Armoured, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, EIA/TIA 568-C.3.;ITU-T REC G 652D IEC 60793/60794, spec for Low Water Peak fibre suitable for use in direct burial, outdoor ducts and backbone cabling.	
Armour	Corrugated Steel Tape Armour -Thickness > 0.15mm	
Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
Attenuation	<a href="#">. @ 1310nm &lt;=0.35 db/Km MAX</a>	
	<a href="#">. @ 1550nm &lt;=0.22 db/Km MAX</a>	
Attenuation Discontinuity	Both Windows <0.10dB	
Fibre protection(Tube)	Polybutylene Terephthalate (PBT)	
Core/Mode-Field (um)	9 ± 0.4 µm	
Clad Diameter (um)	125 ± 1	
Coat Diameter	245 ± 10	
Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel	
Jacket material	Flame Retardant Low Smoke Zero Halogen (FRLSZH)	
Peripheral Strength Member	Two Steel wires	
Tensile Strength	1500N	
Crush Resistance	2000N/10 cm	
Cable Diameter	9.8mm	

Max. Bending Radius (during installation)	20D	
Fibre Identification	Colour coded	
Cable weight Kg/Km	95 kg/km	
Operating Temperature	.-40 Degree C to +70 Degree C	
Cable Type	6 Core fiber Cable, Single Mode OS2, Unitube Armoured, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, EIA/TIA 568-C.3.;ITU-T REC G 652D IEC 60793/60794, spec for Low Water Peak fibre suitable for use in direct burial, outdoor ducts and backbone cabling.	
Armour	Corrugated Steel Tape Armour -Thickness > 0.15mm	
Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
Attenuation	<a href="#">. @ 1310nm &lt;=0.35 db/Km MAX</a>	
	<a href="#">. @ 1550nm &lt;=0.22 db/Km MAX</a>	
Attenuation Discontinuity	Both Windows <0.10dB	
Fibre protection(Tube)	Polybutylene Terephthalate (PBT)	
Core/Mode-Field (um)	9 ± 0.4 µm	
Clad Diameter (um)	125 ± 1	
Coat Diameter	245 ± 10	
Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel	
Jacket material	UV Stabilised Polyethylene (HDPE)	
Peripheral Strength Member	Two Steel wires	
Tensile Strength	1500N	
Crush Resistance	2000N/10 cm	
Cable Diameter	9.8mm	
Max. Bending Radius (during installation)	20D	
Fibre Identification	Colour coded	
Cable weight Kg/Km	95 kg/km	
Operating Temperature	.-40 Degree C to +70 Degree C	
<b>11. Fiber Optic Rackmount 12, 24 Port LIU, loaded with Dual Coupler, Splice Tray &amp; Pigtail</b>		
Fiber Management Shelf	1U panel can be mounted flush or recessed in 19" cabinet / wall rack accommodation with optional rack mount ears	
	Configurable Duplex Coupler	
	Management rings within the system to accommodate excess fibre cordage behind the through adapters and maintain fibre bend radius.	
	Rear, side & base access for Incoming / Outgoing backbone cables	
	Rugged steel construction finished in attractive	
Compact size (mm)	19" Rack Mount 482mm W x 254mm D x 43mm H	
Optical Fibre Adapters	For 24 Port - 12 x Duplex SC SM Adapters	
	For 12 Port - 6 x Duplex SC SM Adapters	

Splice Tray	1 x Universal Splice Tray, Material: ABS polymer Dimensions: 168mm W x 124mm D x 13mm H	
Pigtail	SC SM 9/125µm (OS2), Pigtail 1.5 Mtrs length. Minimum bend radius: install: 30 mm Operating Temperature: -20°C to 75°C Retention Strength: 100N Cable Sheath: LSOH*	
<b>12. Optical Fibre Equipment cords for 1 G Modules (3 Mt.) (SM LC-SC/LC-LC)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	All optical fibre patch leads shall comprise of OM3 Singlemode 50/125µm fiber with SC, fibre connectors terminated at each end. The optical fiber patch leads shall comply with the following specifications	
	Connector: Zirconia ceramic ferrule	
	Pre-radiuses and pre-polished ferrule	
	Epoxy type fiber encapsulation	
	Color-coded connector boots fitted to connectors on duplex patch leads.	
	Jacket : LSOH Jacket - Reduces toxic / corrosive	
	Dust caps shall be fitted on each connector at the assembly	
	Cable: 50/125µm, MM	
	Strength member: aramid yarn	
	900µm tight buffer diameter	
<b>13. HDPE Pipe for outdoor OFC</b>		
<b>Item</b>	<b>Description of Requirement</b>	
	Conduit pipe/ HDPE for MM Fiber, 32/40 MM ISI with PE 63 Grade	
<b>14. PVC/Conduit pipe for Fiber optic Cable</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	PVC/Conduit pipe for Fiber Optic Cable , 40/33 MM ISI with PE 63 Grade	
<b>15. Duplex Adaptors &amp; Coupler (Single MODE)</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	All SC adaptors should be duplex type with shutter for protection. Adapters should be snap mount for easy insertion and removal.	
<b>16. Optical fiber Pigtails LC-SC/LC-LC</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Features	Provide a field installable Single-mode connector/ pigtail to terminate fiber optic cables from cable-to-cable, cable-to equipment and equipment-to-equipment.	

	The connector/ pigtail must: Be field installable	
	Utilize a PC polishing on the tip to provide high yield during installation.	
	Meet EIA and IEC standards for repeatability.	
<b>17. Laying of OFC – LS</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Laying of OFC Cable	Laying, Digging/trenching, filling, splicing & terminating of fiber and other media as applicable according to industry norms are part of supply, installation & commissioning.	
<b>18. Network Testing report for all network points</b>		
<b>Item</b>	<b>Description of Requirement</b>	
Network Test Report	Bidder has to submit the Network Testing report for all the network points deployed at the project across hospital to be certified by respective OEMs for Active and Passive for Networking Components.	

**(Bidder to specify make & model for each of the individual active/passive/hardware/UPS components)**

#### **6.6.10. Chemical Earthing**

3 meter length 50mm Dia Copper bonded chemical earthing electrode with 50kG BFC

#### **6.6.11. Electrical Points in Hospitals**

Electrical points in hospital campus (5/15 Amp)- Electrical wiring with all materials (i.e. power switch, socket, DP,PVC pipe and other accessories).

### **6.7. Purchaser's Procurement Rights**

Without incurring any liability, whatsoever to the affected bidder or bidders, the Purchaser reserves the right to:

- a. Amend, modify, or cancel this tender and to reject any or all proposals without assigning any reason.
- b. Change any of the scheduled dates stated in this tender.
- c. Reject proposals that fail to meet the tender requirements.
- d. Increase or decrease the quantity of the items
- e. Remove any of the item at the time of placement of order.
- f. Should the Purchaser be unsuccessful in negotiating a contract with the selected bidder, the Purchaser will begin contract negotiations with the next best value bidder in order to serve the best interest.
- g. Make typographical correction or correct computational errors to proposals
- h. Request bidders to clarify their proposal.

### **6.8. Specifications and Standards**

- i. All articles to be supplied shall strictly conform to the specifications, trademark laid down in the tender form and wherever articles have been required according to ISI/ ISO/ other applicable specifications/ certifications/ standards, those articles should conform strictly to those specifications/ certifications/ standards. The supply shall be of best quality and description. The decision of the competent authority/ purchase committee whether the articles supplied conform to the specifications shall be final and binding on the selected bidder.
- ii. The Selected bidder shall ensure that the goods and related services comply with the technical specifications and other provisions laid down in the RFP & the work order.

## **6.9. Transit Insurance**

The Hardware and peripherals to be supplied under this RFP shall be fully insured against any loss during transit from Bidder site to OCAC & Final Delivery office site. The insurance charges will be borne by the supplier and OCAC will not pay such charges.

## **6.10. Payment Terms and Procedure**

### **6.10.1. Paying Authority**

The payments as per the Payment Schedule covered herein above shall be paid by OCAC. However, Payment of the Bills would be payable, on receipt of advice/confirmation for satisfactory delivery/installation/re-installation, and inspection/service report from the authorized official of **Odisha Computer Application Centre (OCAC)**

### **6.10.2. Payment Terms**

- a. 90% of the order value will be paid to the supplier after delivery and installation at site.
- b. Balance 10% of the order value shall be released after after submission of PBG of required value mentioned at clause no. 4.5
- c. GST shall be paid as per actual at the time of billing
- f. Taxes, as applicable, will be deducted at source, from due payments, as per the prevalent rules and regulations.
- g. Payment shall be released after deduction of penalty, if any, as per clause 5.2 SLA

## 7. Annexures

### 7.1. Particulars of the Bidder

S No.	Information Sought	Details to be Furnished
1.	Name ,address and URL of the bidding Company	
2.	Incorporation status of the firm (public limited / private limited, etc.)	
3.	Year of Establishment	
4.	Date of registration	
5.	ROC Reference No.	
6.	Details of company registration	
7.	Details of registration with appropriate authorities for service tax	
8.	Average Turnover during last 3 financial year	
9.	Name, Address, e-mail ID, Phone nos. and Mobile Number of Contact Person	



## 7.2. Bid Security Declaration

To

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a **period of two years** from the date of notification if I am/ We are in a breach of any obligation under the bid conditions, because I/We

- (a) Have withdrawn/ modified/ amended, impairs or derogates from the tender, my/ our Bid during the period of bid validity specified in the form of Bid; or
- (b) Having been notified of the acceptance of our Bid by the Authority during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instruction to Bidders/ Tender Document/ RFP document

I/We understand this Bid Securing Declaration shall cease to be valid if I am/ We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder, or (ii) thirty days after the expiration of validity of my/ our Bid.

Signed (Signature of person whose name and capacity are shown)

In the capacity of (legal capacity of person signing the Bid Securing Declaration)

Name (complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for and on behalf of (complete name of Bidder) Date on

..... Day of ..... (date of signing) Corporate Seal (wherever appropriate)

(Signature of the Authorised Signatory)

### 7.3. Self-Declaration: Not Blacklisted

To (Company letter head)

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

**Sub: Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project – Self Declaration for not Blacklisted**

Sir

In response to the RFP No.: :: OCAC-SEGP-SPD-0015-2021-22081 for RFP titled “Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project”, as an owner/ partner/ Director of (organisation name) \_\_\_\_\_/ We hereby declare that presently our Company/ firm is not under declaration of ineligible for corrupt & fraudulent practices, blacklisted either indefinitely or for a particular period of time, or had work withdrawn, by any State/ Central government/ PSU.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Signature  
(Authorised Signatory)

Seal:

Date:

Place:

Name of the Bidder:

#### 7.4. Bidder's Authorisation Certificate

To

(Company letter head)

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

**Sub: Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project– Bidder's Authorization Certificate**

Sir,

With reference to the RFP No.: : OCAC-SEGP-SPD-0015-2021-22081, Ms./Mr. <Name>, <Designation> is hereby authorized to attend meetings & submit pre-qualification, technical & commercial information as may be required by you in the course of processing the above said Bid. S/he is also authorized to attend meetings & submit technical & commercial information as may be required by you in the course of processing above said application. Her/his contact mobile number is \_\_\_\_\_ and Email id is\_\_\_\_\_. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Signature  
(Authorised Signatory)

Verified Signature by  
Director/CEO

Seal:

Date:

Place:

Name of the Bidder:

## 7.5. Acceptance of Terms & Conditions

To

(Company letter head)

The General Manager (Admin)  
Odisha Computer Application Centre  
(Technical Directorate of I.T. Dep't, Govt. of Odisha)  
N-1/7-D, Acharya Vihar P.O. - RRL, Bhubaneswar - 751013

**Sub: Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project.– Acceptance of Terms & Conditions**

Sir,

I have carefully and thoroughly gone through the Terms & Conditions along with scope of work contained in the RFP Document [No. OCAC-SEGP-SPD-0015-2021-22081] regarding "Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project".

I declare that all the provisions/clauses including scope of work of this RFP/Tender Document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Thanking you,

Signature

(Authorised Signatory)

Seal:

Date:

Place:

Name of the Bidder:

## 7.6. Technical bid Cover Letter

To,

General Manager (Admin),  
Odisha Computer Application Centre (OCAC),  
Plot No. N-1/7D, Acharya Vihar Square,  
RRL Post Office,  
Bhubaneswar – 751 013, Odisha

Madam,

**Subject: Tender for Supply, Installation and commissioning of Local Area Network and minor electrical work at Hospitals(4 Nos Premier Hospitals,3 Nos MCHs and 73 Nos UPHCs) under the OeHMIS Project**

Reference: Tender No: .: OCAC-SEGP-SPD-0015-2021-22081

We, the undersigned Bidders, having read and examined in detail all the Tender documents do hereby propose to provide the services as specified in the Tender document number .: OCAC-SEGP-SPD-0015-2021-22081 along with the following:

### A. DEVIATIONS

We declare that all the services shall be performed strictly in accordance with the Tender documents except for the variations, assumptions and deviations, all of which have been detailed out exhaustively in the following statements, irrespective of whatever has been stated to the contrary anywhere else in our Tender:

Further we agree that additional conditions or assumptions, if any, found in the Tender documents other than those stated in deviation schedule shall not be given effect to.

### B. CONTRACT PERFORMANCE GUARANTEE BOND

We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed format

### C. BID VAILIDITY PERIOD

We agree to abide by this bid for a period of 180 days after the date fixed for bid opening or for any further period for which bid validity has been extended and it shall remain binding upon us and Bid may be accepted at any time before the expiration of that period.

We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

We understand that our bid is binding on us and that you are not bound to accept a bid you receive.

Thanking you,

Yours faithfully,

(Signature of the Bidder)

## 7.7. Commercial Proposal Covering letter

< Location, Date >

To,

The General Manager (Admn)  
Odisha Computer Application Centre  
Plot No. - N-1/7-D, Acharya Vihar  
P.O.- RRL, Bhubaneswar - 751013  
EPBX: 0674-2567280/2567064/2567295  
Fax: +91-0674-2567842

**Subject:** Submission of the Financial bid for Supply, Installation and commissioning of Local Area Network System and minor electrical work at Hospitals under OeHMIS Project.  
**Reference:** Tender No: .: OCAC-SEGP-SPD-0015-2021-22081

Dear Sir/Madam,

We, the undersigned, hereby submit our Financial Proposal against your tender floated vide RFP Ref: .: OCAC-SEGP-SPD-0015-2021-22081, in a separate sealed envelope.

Our attached Financial Proposal is for the sum of [*Amount in words and figures*] along with applicable taxes & duties.

Our Financial Proposal shall be binding upon us, up to expiry of the validity period of the Proposal, i.e., [*Date*].

We understand you are not bound to accept any Proposal you receive. We remain,

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

## 7.8. Commercial Bid

SL. No.	Item	Quantity	Unit	Unit Price	GST	Total Unit Price	Total
A	B	C	D	E	F	G (E+F)	H (C*G)
1.	Category 6 UTP Cable (In Meters)	111030	Meter				
2.	Cat-6 I/O Jack with back box and Face Plate	2752	No				
3.	Ethernet Patch/ Jack panel Cat 6 UTP ( 24 Ports) with mounting accessories	187	No				
4.	6 Core Single-Mode Fiber Optic Cable (In meters)	5575	Meter				
5.	12 Port OFC LIU Loaded with Adaptor, connectors and pigtails	28	No				
6.	Single Mode 1G GB-FC OFC Transceivers	216	No				
7.	Fiber patch cord	216	No				
8.	22 U Rack for network/server room with Accessories(Floor standing)	80	No				
9.	9 U Rack with Accessories for N/W Edge Switch	177	No				
10	UTP Patch Cord Cat 6 UTP 3 Ft	2752	No				
11	UTP Patch Cord Cat 6 UTP 7 Ft	1999	No				
12	PVC/Conduit pipe for Cat-6 [ in Mts]	84660	No				

13	PVC conduit Pipe for OFC laying[ in Meters]	2945	Meter				
14	HDPE Pipe for OFC laying (without digging)	2840	Meter				
15	HDPE Pipe for OFC laying (with digging) in meter (price discovery item)	1040	Meter				
16	Fixing of IO	2752	No				
17	Fixing of Jack Panel	187	No				
18	Fixing of Rack	187	No				
19	Network Router	80	No				
20	24 Port Gigabit SFP Ports - Layer 3 Core Switch	80	No				
21	24 Port Gigabit Ethernet Managed Layer 2 Switch	180	No				
22	Firewall / UTM Device	7	No				
23	Wireless Access Points with adaptor, PoE and cables	481	No				
24	On-Line 2 KVA UPS for Network Rack	77	No				
25	Line Interactive 1 KVA UPS ( With 30 Mnts backup)	1204	No				
26	Electrical points in Hospital Campus(5/15 Amp)--Electrical Wiring with All materials (i.e: Power Switch, Socket, DP and other accessories)	3873	No				



27	Earthing (Chemical)	80	No				
28	Configuration, Testing and Commissioning of the Data Networking system with 5 year onsite warranty	1					
	<b>Grand Total</b>						
	<b>Grand Total in words</b>						

**Note:**

- Least cost selection method will be adopted for evaluation of commercial bid. The bidder who will quoted lowest grand total will be marked as L1
- Prices shall be quoted inclusive of all taxes, duties, freight and forwarding and cost of labour for installation.
- In case of any discrepancy between Unit Price & Total Price, the Unit Price will prevail.
- All devices must include 5 years of onsite warranty support.

## 7.9. Annexure-A

SL#	District	Institution Name	Institution Type	Bidder
1	Anugul	Anugul	UPHC	L2
2	Balangir	Kandhapalipada	UPHC	L2
3	Balangir	Sastri Nagar	UPHC	L2
4	Baleshwar	Sahadev Khunta	UPHC	L1
5	Baleshwar	Sovarampur	UPHC	L1
6	Baleshwar	Sunahat	UPHC	L1
7	Bargarh	MMC: Municipality Maternity Center	UPHC	L2
8	Bargarh	Station Pada	UPHC	L2
9	Bhadrak	Bagurai	UPHC	L2
10	Bhadrak	Bhadrak	UPHC	L2
11	Bhadrak	Purunabazar	UPHC	L2
12	Cuttack	Bidanasi	UPHC	L1
13	Cuttack	Bidyadharpur CRR	UPHC	L1
14	Cuttack	Bidyadharpur	UPHC	L1
15	Cuttack	Brajaramba Jobra	UPHC	L1
16	Cuttack	Kapaleswar	UPHC	L1
17	Cuttack	Madhusudan Das Tulasipur	UPHC	L1
18	Cuttack	Manjulata Dispensary Khan Nagar	UPHC	L1
19	Cuttack	Nimpur	UPHC	L1
20	Cuttack	Nuabazar	UPHC	L1
21	Cuttack	Nuahata	UPHC	L1
22	Cuttack	Odia Bazar	UPHC	L1
23	Cuttack	Thoria Sahi	UPHC	L1
24	Cuttack	Tulasipur	UPHC	L1
25	Dhenkanal	Kathagada_Dhenkanal	UPHC	L2
26	Gajapati	Municipality_Paralakhemundi	UPHC	L3
27	Ganjam	Aga Sahi Berhampur	UPHC	L1
28	Ganjam	Ambapua	UPHC	L1
29	Ganjam	Baikuntha Nagar	UPHC	L1
30	Ganjam	Berhampur Zonal :Aska Road	UPHC	L1
31	Ganjam	Khodasinghi	UPHC	L1
32	Ganjam	Red Cross Hospital Berhampur	UPHC	L1
33	Ganjam	Uttarmukhi	UPHC	L1
34	Ganjam	Uttreswar : Good Shed	UPHC	L1
35	Jagatsinghapur	Paradeep	UPHC	L3
36	Kalahandi	College Chhaka_Bhawanipatna	UPHC	L2
37	Kandhamal	Phulbani	UPHC	L2
38	Kendrapara	Kendrapara	UPHC	L3
39	Kendujhar	Nalda_Barbil	UPHC	L3
40	Kendujhar	Baneikala_Joda	UPHC	L3
41	Kendujhar	Municipality	UPHC	L3
42	Koraput	Gandhinagar_Koraput	UPHC	L3
43	Koraput	Jagadhatripur_Jeypore	UPHC	L3

44	Koraput	Jeypore LR	UPHC	L3
45	Koraput	Similiguda	UPHC	L3
46	Malkangiri	Malkangiri	UPHC	L3
47	Mayurbhanj	Debendrapur	UPHC	L2
48	Mayurbhanj	Municipality Hospital	UPHC	L2
49	Mayurbhanj	Tulasichaura	UPHC	L2
50	Nabarangapur	Nabarangapur	UPHC	L3
51	Puri	Chandan Hazuri Paediatric Hospital	UPHC	L1
52	Puri	KDMM	UPHC	L1
53	Puri	Municipality Dispensary Dolabedikona	UPHC	L1
54	Puri	Municipality Hospital Swargadwar	UPHC	L1
55	Puri	Penthakata	UPHC	L1
56	Rayagada	Rayagada	UPHC	L3
57	Rayagada	Gunupur	UPHC	L3
58	Rayagada	Rayagada2	UPHC	L3
59	Sambalpur	Burla	UPHC	L2
60	Sambalpur	Chaurpur	UPHC	L2
61	Sambalpur	Dhankauda	UPHC	L2
62	Sambalpur	Dhanupali	UPHC	L2
63	Sambalpur	J Pujari Maternity Home	UPHC	L2
64	Sambalpur	Khetrajpur Dispensary	UPHC	L2
65	Sambalpur	Maneswar	UPHC	L2
66	Sambalpur	UFWC: Urban Family Welfare Centre	UPHC	L2
67	Sundargarh	Bandhamunda	UPHC	L2
68	Sundargarh	Biramitrapur	UPHC	L2
69	Sundargarh	Hamirpur	UPHC	L2
70	Sundargarh	Mahatab Road	UPHC	L2
71	Sundargarh	Sector-22	UPHC	L2
72	Sundargarh	UFWC: Urban Family Welfare Centre	UPHC	L2
73	Sundargarh	Sundargarh	UPHC	L2
74	Cuttack	SCB_Cuttack	Premier	L1
75	Cuttack	SVPPGIP_Cuttack	Premier	L1
76	Cuttack	AHPGIC_Cuttack	Premier	L1
77	Khordha	Capital Hospital_Bhubaneswar	Premier	L2
78	Ganjam	MKCG_Berhampur	MCH	L3
79	Sambalpur	VIMSAR_Burla	MCH	L3
80	Koraput	SLN_Koraput	MCH	L3