



Republic of the Philippines
Department of Education
PROCUREMENT MANAGEMENT SERVICE



Rm. M-511, 5th Floor, Mabini Bldg., DepED Complex, Meralco Avenue, Pasig City, Philippines
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Bids and Awards Committee II

SUBJECT : BID BULLETIN NO. 1

PROJECT : Procurement of Network Connectivity Solution for the Department of Education

PROJECT No. : 2019-10-ICTS3(013)-BII-CB-025

DATE : November 8, 2019

This Bid Bulletin is hereby issued for the information and guidance of all prospective bidders. It shall form an integral part of the bidding documents issued earlier relative to above project.

I. Section I. Invitation to Bid

Details	Original Provision	Provision, as amended
Item No. 1, Page 6	"... Contract Duration : Lot No. 1 – Four Hundred Ninety (490) Calendar Days Lot No. 2 – One Hundred Fifty (150) Calendar Days ..."	"... Contract Duration : Lot No. 1 – Four Hundred Ninety (490) Calendar Days Lot No. 2 – <u>Five Hundred Fifteen (515) Calendar Days</u> ..."
Item No. 5, page 8	"... Payment in checks should be made payable to DECS – OSEC Trust. ..."	"... Payment in checks should be made payable to <u>DECS OSEC Trust.</u> ..."
Item No. 7, page 8	Bids must be duly received by the BAC Secretariat at the address below on or before 1:00 P.M. of November 13, 2019 at Bulwagan ng Karunungan, G/F, Rizal Bldg. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.	Bids must be duly received by the BAC Secretariat at the address below on or before 10:00 A.M. of November 15, 2019 at <u>EFD Conference Room, 5/F, Mabini Bldg.</u> All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.

	<p>Bid opening shall be on November 13, 2019, 1:00 P.M. at Bulwagan ng Karunungan, G/F, Rizal Bldg. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.</p>	<p>Bid opening shall be on 10:00 A.M. of November 15, 2019 at EFD Conference Room, 5/F Mabini Bldg. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.</p>
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II. Section III. Bid Data Sheet

Details	Original Provision	Provision, as amended
<p>ITB Clause 21, page 53</p>	<p>The address for submission of bids is Bulwagan ng Karunungan, G/F, Rizal Bldg., DepEd Complex, Meralco Avenue, Pasig City.</p> <p>The deadline for submission of bids is November 13, 2019; 1:00 P.M.</p>	<p>The address for submission of bids is <u>EFD Conference Room, 5/F, Mabini Bldg.</u>, DepEd Complex, Meralco Avenue, Pasig City.</p> <p>The deadline for submission of bids is <u>November 15, 2019; 10:00 A.M.</u></p>
<p>ITB Clause 24.1, page 53</p>	<p>The place of bid opening is Bulwagan ng Karunungan, G/F, Rizal Bldg., DepEd Complex, Meralco Avenue, Pasig City.</p> <p>The date and time of bid opening is November 13, 2019; 1:00 P.M.</p> <p>“In case the bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the bids submitted and rescheduled the opening of bids on the next working day or at the soonest possible time through the issuance of a Notice of Postponement to be posted in the PhilGEPS website and the website of DepEd”</p>	<p>The place of bid opening is <u>EFD Conference Room, 5/F, Mabini Bldg.</u>, DepEd Complex, Meralco Avenue, Pasig City.</p> <p>The date and time of bid opening is <u>November 15, 2019; 10:00 A.M.</u></p> <p>“In case the bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the bids submitted and rescheduled the opening of bids on the next working day or at the soonest possible time through the issuance of a Notice of Postponement to be posted in the PhilGEPS website and the website of DepEd”</p>

III. Section V. Special Conditions of Contract

Details	Original Provision	Provision, as amended
<p>GCC Clause 10.3, pages 80-82</p>	<p>“... Lot No. 1 <u>Milestone 1</u> Upon submission of Inception Report Payment equivalent to 10% of the contract price shall be made upon submission of an Inception Report fifteen (15) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 2</u> Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance One Hundred Twenty (120) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 3</u> Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance Two Hundred Forty (240) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 4</u> Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance Three Hundred Sixty (360) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 5</u></p>	<p>“... Lot No. 1 <u>Milestone 1</u> Upon submission of Inception Report Payment equivalent to 10% of the contract price shall be made upon submission of an Inception Report <u>within</u> fifteen (15) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 2</u> Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance <u>and Proof of Concept of at least two (2) schools within</u> One Hundred Twenty (120) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 3</u> Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance <u>and Proof of Concept of at least two (2) schools within</u> Two Hundred Forty (240) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 4</u> Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance <u>and Proof of Concept of at least two (2) schools within</u> Three Hundred Sixty (360) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 5</u></p>

	<p>Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance Four Hundred Eighty (480) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 6</u> Upon completion of Knowledge Transfer to DEPED CO ICTS Payment equivalent to 5% of the contract price shall be made upon completion of End User Training Four Hundred Ninety (490) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 7</u> Retention Payment equivalent to 5% retention will be provided Three Hundred Sixty-Five (365) calendar days from acceptance of the last milestone</p> <p>Lot No. 2 <u>Milestone 1</u> Payment equivalent to 30% of the contract price shall be made upon complete set up and acceptance of Co-Location Facility, Sixty (60) calendar days from receipt of NTP or upon complete acceptance of delivery.</p> <p><u>Milestone 2</u> Payment equivalent to 30% of the contract price shall be made upon complete installation and configuration of the Core Network facilities, ninety (90) calendar days from receipt of NTP or upon acceptance and signing of report for complete installation and configuration.</p> <p><u>Milestone 3</u></p>	<p>Upon Delivery and Installation of 2,000 Satellite Equipment Payment equivalent to 20% of the contract price shall be made upon submission of Certificate of Acceptance <u>and Proof of Concept of at least two (2) schools within</u> Four Hundred Eighty (480) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 6</u> Upon completion of Knowledge Transfer to DEPED CO ICTS Payment equivalent to 5% of the contract price shall be made upon completion of End User Training <u>within</u> Four Hundred Ninety (490) calendar days upon receipt of Notice to Proceed</p> <p><u>Milestone 7</u> Retention Payment equivalent to 5% retention will be provided <u>within</u> Three Hundred Sixty-Five (365) calendar days from acceptance of the last milestone</p> <p>Lot No. 2 <u>Milestone 1</u> Payment equivalent to <u>15%</u> of the contract price shall be made upon complete set up and acceptance of Co-Location Facility, <u>within</u> Sixty (60) calendar days from receipt of NTP or upon complete acceptance of delivery.</p> <p><u>Milestone 2</u> Payment equivalent to <u>15%</u> of the contract price shall be made upon complete installation and configuration of the Core Network facilities <u>within</u> ninety (90) calendar days from receipt of NTP or upon acceptance and signing of report for complete installation and configuration.</p> <p><u>Milestone 3</u></p>
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	<p>Payment equivalent to 25% of the contract price shall be made upon complete testing and upon signing of User Acceptance Test, within One Hundred Twenty (120) calendar days from receipt of NTP.</p> <p><u>Milestone 4</u> Payment equivalent to 10% of the contract price shall be made upon Go-Live and completion of training requirements of DepEd nominated personnel (30 pax), One Hundred Fifty (150) calendar days from receipt of NTP.</p> <p><u>Milestone 5</u> 5% retention will be provided Three Hundred Sixty-Five (365) calendar days from acceptance of the last milestone ...”</p>	<p>Payment equivalent to 20% of the contract price shall be made upon complete testing and upon signing of User Acceptance Test, within One Hundred Twenty (120) calendar days from receipt of NTP.</p> <p><u>Milestone 4</u> Payment equivalent to 20% of the contract price shall be made upon Go-Live and completion of training requirements of DepEd nominated personnel (30 pax), <u>within</u> One Hundred Fifty (150) calendar days from receipt of NTP.</p> <p><u>Milestone 5</u> <u>Payment equivalent to 30% of the contract price from the acceptance of the last milestone shall be made in 4 quarterly instalments for the delivery of Three Hundred Sixty-Five (365) calendar days Wireless Broadband, Managed Security and Support Services”</u></p>
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IV. Section VI. Schedule of Requirements, page 85, is hereby amended to read as follows:

Details	Original Provision	Provision, as amended															
Page 85	<p style="text-align: center;"><u>PROCUREMENT OF CONTACT CENTER SERVICE</u></p> <table border="1"> <thead> <tr> <th data-bbox="368 1397 437 1480">Lot No.</th> <th data-bbox="437 1397 635 1480">Project Description</th> <th data-bbox="635 1397 847 1480">Delivery Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="368 1480 437 1765">1</td> <td data-bbox="437 1480 635 1765">Network Connectivity Solution for the Department of Education</td> <td data-bbox="635 1480 847 1765">Reckoning Period: Within Four Hundred Ninety (490) Calendar Days from the receipt of NTP</td> </tr> <tr> <td data-bbox="368 1765 437 1872">2</td> <td data-bbox="437 1765 635 1872">Core Network and</td> <td data-bbox="635 1765 847 1872">Reckoning Period:</td> </tr> </tbody> </table>	Lot No.	Project Description	Delivery Period	1	Network Connectivity Solution for the Department of Education	Reckoning Period: Within Four Hundred Ninety (490) Calendar Days from the receipt of NTP	2	Core Network and	Reckoning Period:	<p style="text-align: center;"><u>PROCUREMENT OF NETWORK CONNECTIVITY SOLUTION FOR THE DEPARTMENT OF EDUCATION</u></p> <table border="1"> <thead> <tr> <th data-bbox="873 1397 941 1480">Lot No.</th> <th data-bbox="941 1397 1187 1480">Project Description</th> <th data-bbox="1187 1397 1393 1480">Delivery Period</th> </tr> </thead> <tbody> <tr> <td data-bbox="873 1480 941 1872">1</td> <td data-bbox="941 1480 1187 1872">Network Connectivity Solution for the Department of Education</td> <td data-bbox="1187 1480 1393 1872">Reckoning Period: Within Four Hundred Ninety (490) Calendar Days from the receipt of NTP</td> </tr> </tbody> </table>	Lot No.	Project Description	Delivery Period	1	Network Connectivity Solution for the Department of Education	Reckoning Period: Within Four Hundred Ninety (490) Calendar Days from the receipt of NTP
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Lot No.	Project Description	Delivery Period															
1	Network Connectivity Solution for the Department of Education	Reckoning Period: Within Four Hundred Ninety (490) Calendar Days from the receipt of NTP															

	<p>Managed Co-Location Facilities for the Department of Education</p> <p>Within One Hundred Fifty (150) Calendar Days from the receipt of NTP</p>	<p>2 Core Network and Managed Co-Location Facilities for the Department of Education</p> <p>Reckoning Period: Within <u>Five Hundred Fifteen (515)</u> Calendar Days from the receipt of NTP</p>
<p>Scope of Work, Page 85</p>	<p>“... 1. With regards to the geographical environment, climatic conditions and satellite coverage of the Philippines, winning bidder must provide DepEd the necessary resources to use the satellite remote station which include antenna, Low Noise Block Downconverter (LNB), Block UpConverter (BUC) and modem to provide Internet access and other services for DepEd’s education system. ...”</p>	<p>“... 1. With regards to the geographical environment, climatic conditions and satellite coverage of the Philippines, winning bidder must provide DepEd the necessary resources to use the satellite remote station <u>which include antenna, Low Noise Block Downconverter (LNB), Block UpConverter (BUC) and modem to provide Internet access and other services for DepEd’s education system.</u> ...”</p>
<p>Page 87</p>	<p>LOT NO. 2 CORE NETWORK AND MANAGED CO-LOCATION FACILITIES FOR THE DEPARTMENT OF EDUCATION</p> <p><u>Milestone 1</u> Complete Set-up and Acceptance of Co-Location Facility Sixty (60) calendar days from receipt of NTP or upon complete acceptance of delivery.</p> <p><u>Milestone 2</u> Complete Installation and Configuration of the Core Network Facilities Ninety (90) calendar days from receipt of NTP or upon acceptance and signing of report for complete installation and configuration.</p> <p><u>Milestone 3</u> Complete Testing and upon Signing of User Acceptance Test</p>	<p>LOT NO. 2 CORE NETWORK AND MANAGED CO-LOCATION FACILITIES FOR THE DEPARTMENT OF EDUCATION</p> <p><u>Milestone 1</u> Complete Set-up and Acceptance of Co-Location Facility Sixty (60) calendar days from receipt of NTP or upon complete acceptance of delivery.</p> <p><u>Milestone 2</u> Complete Installation and Configuration of the Core Network Facilities Ninety (90) calendar days from receipt of NTP or upon acceptance and signing of report for complete installation and configuration.</p> <p><u>Milestone 3</u> Complete Testing and upon Signing of User Acceptance Test</p>

	<p>Within one hundred twenty (120) calendar days from NTP</p> <p><i>Milestone 4</i> Go-Live and Completion of Training requirements Go-Live and completion of training requirements of DepEd nominated personnel (30 pax), one hundred fifty (150) calendar days from receipt of NTP</p>	<p>Within one hundred twenty (120) calendar days from NTP</p> <p><i>Milestone 4</i> Go-Live and Completion of Training requirements Go-Live and completion of training requirements of DepEd nominated personnel (30 pax), one hundred fifty (150) calendar days from receipt of NTP</p> <p><i>Milestone 5</i> <i>Three Hundred Sixty-Five (365) calendar days Wireless Broadband, Managed Security and Support Services</i></p>
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V. Section VII. Technical Specifications

Details	Original Provision	Provision, as amended
<p>General Requirements/ Specifications; Lot No. 1, page 90</p>	<p>The winning bidder for the project must have at least one (1) similar completed ICT Projects within the Government Sector.</p>	<p><i>The winning bidder for the project must have at least one (1) similar completed ICT Projects within the Government Sector.</i></p>
	<p>The winning bidder should have at least one (1) Certified Solution Architect for the IT Operational Intelligence solution.</p>	<p><i>The winning bidder should have at least one (1) Certified Solution Architect for the IT Operational Intelligence solution.</i></p>
	<p>The winning bidder should have at least one (1) Information Technology Infrastructure Library (ITIL v3) and Project Management Professional Certified (PMP) personnel that will lead in managing the implementation of the Connectivity Project solution</p>	<p>The winning bidder should have at least one (1) Information Technology Infrastructure Library (ITIL v3) and Project Management Professional Certified (PMP) personnel that will lead in managing the implementation of the Connectivity Project solution</p>
	<p>The winning bidder should provide a Data Center wherein DepEd can collocate</p>	<p><i>The winning bidder should provide a Data Center wherein DepEd can collocate</i></p>

	<p>the Connectivity Project solution</p> <p>MANPOWER REQUIREMENTS:</p> <p>Project Manager</p> <ul style="list-style-type: none"> • Must be certified in any project management methodology best practices. • Must have strong knowledge on project management • Must have at least 3 years working experience as Project Manager <p>Support Engineer</p> <ul style="list-style-type: none"> • Must be certified Networking Solution • Must have at least 3 years working experience 	<p><u>the Connectivity Project solution</u></p> <p>MANPOWER REQUIREMENTS:</p> <p>Project Manager</p> <ul style="list-style-type: none"> • Must be certified in any project management methodology best practices. • Must have strong knowledge on project management • Must have at least 3 years working experience as Project Manager <p>Support Engineer</p> <ul style="list-style-type: none"> • Must be certified Networking Solution • Must have at least 3 years working experience
<p>General Requirements/ Specifications; Lot No. 2, pages 90-91</p>	<p>The winning bidder must have at least one (1) similar completed ICT Projects within the Government Sector.</p> <p>The winning bidder should have at least two (2) Certified Expert Engineers for the Next Generation Firewall solution.</p> <p>The winning bidder should have at least one (1) Certified Solution Architect for the IT Operational Intelligence solution.</p> <p>The winning bidder should have at least one (1) Information Technology Infrastructure Library (ITIL v3) and Project Management Professional Certified (PMP) personnel that will lead in</p>	<p><u>The winning bidder must have at least one (1) similar completed ICT Projects within the Government Sector.</u></p> <p>The winning bidder should have at least two (2) Certified Expert Engineers for the Next Generation Firewall solution.</p> <p>The winning bidder should have at least one (1) Certified Solution Architect for the IT Operational Intelligence solution.</p> <p>The winning bidder should have at least one (1) Information Technology Infrastructure Library (ITIL v3) and Project Management Professional Certified (PMP) personnel that will lead in managing the</p>

	managing the implementation of the Core Network solution.	implementation of the Core Network solution.
	The winning bidder should provide a Data Center wherein DepEd can collocate the Core Network solution.	The winning bidder should provide a Data Center wherein DepEd can collocate the Core Network solution.
Detailed Technical Specifications, Lot No. 1, Table Title, pages 92-95	<i>CONTACT CENTER SERVICE</i>	<u>Lot 1: Network Connectivity Solution for the Department of Education</u>
Detailed Technical Specifications, Lot No. 1, Modem, pages 92-94	<p>1. Network Topology must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: DVB-S2X/ACM <input type="checkbox"/> Upstream: MF-TDMA <p>2. Modulation must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: QPSK, 8PSK, 16APSK, 32APSK, 64APSK <input type="checkbox"/> Upstream: BPSK, QPSK, 8PSK, 16QAM <p>3. Max Rates Symbol rates supported must at least be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: up to 235Mps <input type="checkbox"/> Upstream: 256Ksps to 8Mps <p>4. Single SatCom Interfaces at least:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Transmit IF: 950 - 2400 MHz <input type="checkbox"/> Receive IF: 950 - 2150MHz <p>5. FEC must at least be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: LDPC, 1/4 - 8/9 <input type="checkbox"/> Upstream: 2D 16-state, 1/2 - 6/7 <p>6. TCP Throughput must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: at least up to 225Mbps <input type="checkbox"/> Upstream: at least up to 17Mbps <p>7. UDP throughput must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: at least up to 320Mbps <input type="checkbox"/> Upstream: at least up to 17Mbps 	<p>1. Network Topology must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: DVB-S2X/ACM <input type="checkbox"/> Upstream: MF-TDMA <u>or D-TDMA</u> <p>2. Modulation must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: QPSK, 8PSK, 16APSK, 32APSK, 64APSK, 64APSK, <u>128APSK, 256APSK</u> <input type="checkbox"/> Upstream: BPSK, QPSK, 8PSK <u>or</u> 16QAM <p>3. Max Rates Symbol rates supported must at least be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: up to 235Mps <input type="checkbox"/> Upstream: <u>Min:</u> 256Ksps <u>Up</u> to 8Mps <p>4. Single SatCom Interfaces at least:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Transmit IF: <u>Min:</u> 950 <u>MHz</u> <u>Max:</u> 2400 MHz <input type="checkbox"/> Receive IF: <u>Min:</u> 950 <u>MHz</u> <u>Max:</u> 2150MHz <p>5. FEC (<u>Forward Error Correction</u>) must at least be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: LDPC <u>Min:</u> 1/4 <u>Max:</u> 8/9 <input type="checkbox"/> Upstream: 2D 16-state <u>Min:</u> 1/2 <u>Max:</u> 6/7 <p>6. TCP Throughput must be:</p>

	<p>8. TCP maximum of 4000 sessions</p> <p>9. Available in-line power to support BUC & LNB</p> <p>10. Data Interfaces LAN must at least be 10/100 Ethernet</p> <p>11. Must support the following IP Features:</p> <ul style="list-style-type: none"> <input type="checkbox"/> TCP <input type="checkbox"/> UDP <input type="checkbox"/> ICMP <input type="checkbox"/> NAT/PAT <input type="checkbox"/> DHCP-V6 Relay <input type="checkbox"/> SIP Call Proxy <input type="checkbox"/> DNS Caching <input type="checkbox"/> HTTP <input type="checkbox"/> IPv4/IPv6 <input type="checkbox"/> Advance Web Acceleration <input type="checkbox"/> RIPv2, RIPNG <p>12. Must have User identity authentication for security</p> <p>13. Must have over the air capability for local and remote update for software.</p> <p>14. Weight must be $\leq 0.5\text{kg}$</p> <p>15. Temperature must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Operational: 0° to +50°C <input type="checkbox"/> Storage: -40°C to +85°C <p>16. Humidity must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Operational/Storage: 5% to 90% (Non Condensing) <p>17. Input voltage must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 220 to 240 VAC <input type="checkbox"/> 50 to 60 Hz 	<ul style="list-style-type: none"> <input type="checkbox"/> Downstream: at least up to 225Mbps <input type="checkbox"/> Upstream: at least up to 17Mbps <p>7. UDP throughput must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Downstream: at least up to 320Mbps <input type="checkbox"/> Upstream: at least up to 17Mbps <p>8. TCP maximum of 4000 sessions</p> <p>9. Available in-line power to support BUC & LNB</p> <p>10. Data Interfaces LAN must at least be 10/100 Ethernet <i>with at least two (2) ports</i></p> <p>11. Must support the following IP Features:</p> <ul style="list-style-type: none"> <input type="checkbox"/> TCP <input type="checkbox"/> UDP <input type="checkbox"/> ICMP <input type="checkbox"/> NAT/PAT <input type="checkbox"/> DHCP-V6 Relay <input type="checkbox"/> SIP Call Proxy <input type="checkbox"/> DNS Caching <input type="checkbox"/> HTTP <input type="checkbox"/> IPv4/IPv6 <input type="checkbox"/> Advance Web Acceleration <input type="checkbox"/> RIPv2, RIPNG <p>12. Must have User identity authentication for security</p> <p>13. Must have over the air capability for local and remote update for software.</p> <p>14. Weight must be $\leq 0.5\text{kg}$</p> <p>15. Temperature must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Operational: 0° to +50°C <input type="checkbox"/> Storage: -40°C to +85°C <p>16. Humidity must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Operational/Storage: 5% to 90% (Non Condensing) <p>17. Input voltage must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> <i>110</i> to 240 VAC <input type="checkbox"/> 50 to 60 Hz
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<p>Detailed Technical Specifications, Lot No. 1, Integrated Outdoor Unit, page 94</p>	<p>Winning bidder must provide the following technical specifications:</p> <table border="1" data-bbox="480 338 900 999"> <tr> <td>Transmit Frequency</td> <td>13.75 to 14.50 Ghz</td> </tr> <tr> <td>Receive Frequency</td> <td>10.7 to 12.75 Ghz</td> </tr> <tr> <td>Input DC Voltage</td> <td>+35 to +55V</td> </tr> <tr> <td>Polarization</td> <td>Copol or Cross-Pol electronically selectable</td> </tr> <tr> <td>Receive Local Oscillator</td> <td>Phase Lock</td> </tr> <tr> <td>DC Power Consumption</td> <td>Max 25 Watts</td> </tr> <tr> <td>IF Connector</td> <td>"F" Female, 75 Ohms</td> </tr> <tr> <td>Min IFL Cable</td> <td>8Meters</td> </tr> <tr> <td>Max IFL Cable</td> <td>100Meters</td> </tr> <tr> <td>Temperature - Operational</td> <td>-40°C to +60°C</td> </tr> <tr> <td>Agency Compliance</td> <td>R&TTE and FCC</td> </tr> </table>	Transmit Frequency	13.75 to 14.50 Ghz	Receive Frequency	10.7 to 12.75 Ghz	Input DC Voltage	+35 to +55V	Polarization	Copol or Cross-Pol electronically selectable	Receive Local Oscillator	Phase Lock	DC Power Consumption	Max 25 Watts	IF Connector	"F" Female, 75 Ohms	Min IFL Cable	8Meters	Max IFL Cable	100Meters	Temperature - Operational	-40°C to +60°C	Agency Compliance	R&TTE and FCC	<p>Winning bidder must provide the following technical specifications:</p> <table border="1" data-bbox="932 338 1386 969"> <tr> <td>Transmit Frequency</td> <td>13.75 to 14.50 Ghz</td> </tr> <tr> <td>Receive Frequency</td> <td>10.7 to 12.75 Ghz</td> </tr> <tr> <td>Input DC Voltage</td> <td>+35 to +55V</td> </tr> <tr> <td>Polarization</td> <td>Copol or Cross-Pol electronically selectable</td> </tr> <tr> <td>Receive Local Oscillator</td> <td>Phase Lock</td> </tr> <tr> <td>DC Power Consumption</td> <td>Max 25 Watts</td> </tr> <tr> <td>IF Connector</td> <td>"F" Female, 75 Ohms</td> </tr> <tr> <td>Min IFL Cable</td> <td>8Meters</td> </tr> <tr> <td>Max IFL Cable</td> <td>100Meters</td> </tr> <tr> <td>Temperature - Operational</td> <td>-40°C to +60°C</td> </tr> <tr> <td>Agency Compliance</td> <td>R&TTE and FCC</td> </tr> </table>	Transmit Frequency	13.75 to 14.50 Ghz	Receive Frequency	10.7 to 12.75 Ghz	Input DC Voltage	+35 to +55V	Polarization	Copol or Cross-Pol electronically selectable	Receive Local Oscillator	Phase Lock	DC Power Consumption	Max 25 Watts	IF Connector	"F" Female, 75 Ohms	Min IFL Cable	8Meters	Max IFL Cable	100Meters	Temperature - Operational	-40°C to +60°C	Agency Compliance	R&TTE and FCC
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Input DC Voltage	+35 to +55V																																													
Polarization	Copol or Cross-Pol electronically selectable																																													
Receive Local Oscillator	Phase Lock																																													
DC Power Consumption	Max 25 Watts																																													
IF Connector	"F" Female, 75 Ohms																																													
Min IFL Cable	8Meters																																													
Max IFL Cable	100Meters																																													
Temperature - Operational	-40°C to +60°C																																													
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<p>Detailed Technical Specifications, Lot No. 2, Core Network, pages 95-96</p>	<p>"... 4. The Core Network components/equipment either software or hardware that will be delivered under this SERVICE must be at a defined controlled facility of DepEd. The Core Network must be connected to the DepEd Central Office. ..."</p>	<p>"... 4. The Core Network components/equipment either software or hardware that will be delivered under this SERVICE must be <i>co-located on an enterprise grade datacenter facility in Subic.</i> The Core Network must be connected to the DepEd Central Office. ..."</p>																																												
<p>Detailed Technical Specifications, Lot No. 2, Co-Location Facility Requirements, page 101</p>	<p>The core data network must be co-located on enterprise grade datacenter facility</p>	<p>The core data network must be co-located on enterprise grade datacenter facility <i>in Subic.</i></p>																																												
<p>Detailed Technical Specifications, Lot No. 2, Co-Location Facility</p>	<p>The winning provider must have the following minimum qualifications: 7. Documentary proof that the bidder is certified for ISO</p>	<p>The winning provider must have the following minimum qualifications: 7. Documentary proof that the bidder is certified</p>																																												

Requirements, Fiber Connection Co-Loc to DepEd Central Office, page 108	9001:2008 – Quality Management System ...	for ISO 9001:2008 – Quality Management System ...
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All other provisions not herein modified shall remain in full force and effect.

For your information and guidance.

Atty. REVSEE A. ESCOBEDO
OIC-Undersecretary and Chairperson