



**REQUEST FOR PROPOSAL (RFP)**  
**Design, Supply, installation & delivery of Structured Network,  
telephone & UPS power infrastructure for NEBE's office**

NAME & ADDRESS OF FIRM	DATE: September 19, 2019
	REFERENCE: ETH0787

Dear Sir / Madam:

We kindly request you to submit your Proposal for **Design, Supply, installation & delivery of Structured Network, telephone & UPS power infrastructure for NEBE's office** .

Please be guided by the form attached hereto as Annex 2, in preparing your Proposal.

Proposals may be submitted on or **before Tuesday, October 08, 2019** and via email, courier mail or fax to the address below:

**United Nations Development Programme**  
**Ethiopia**  
**Att: Mekdelawit Hailu**  
**Procurement.et@undp.org**

Your Proposal must be expressed in the **English**, and valid for a minimum period of **150 days**

In the course of preparing your Proposal, it shall remain your responsibility to ensure that it reaches the address above on or before the deadline. Proposals that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your Proposal by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Services proposed shall be reviewed and evaluated based on completeness and compliance of the Proposal and responsiveness with the requirements of the RFP and all other annexes providing details of UNDP requirements.

The Proposal that complies with all the requirements, meets all the evaluation criteria and offers the best value for money shall be selected and awarded the contract. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price shall be re-computed by UNDP, and the unit price shall prevail and the total price shall be corrected. If the Service Provider does not accept the final price based on UNDP's re-computation and correction of errors, its Proposal will be rejected.

No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the Proposal. At the time of Award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Contract or Purchase Order that will be issued as a result of this RFP shall be subject to the General Terms and Conditions indicated herein. The mere act of submission of a Proposal implies that the Service Provider accepts without question the General Terms and Conditions of UNDP in this link: <http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html>

Please be advised that UNDP is not bound to accept any Proposal, nor award a contract or Purchase Order, nor be responsible for any costs associated with a Service Providers preparation and submission of a Proposal, regardless of the outcome or the manner of conducting the selection process.

UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a Purchase Order or Contract in a competitive procurement process. In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link: <http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/>

UNDP encourages every prospective Service Provider to prevent and avoid conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, cost estimates, and other information used in this RFP.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to preventing, identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its Service Providers to adhere to the UN Supplier Code of Conduct found in this link : [http://www.un.org/depts/ptd/pdf/conduct\\_english.pdf](http://www.un.org/depts/ptd/pdf/conduct_english.pdf)

Thank you and we look forward to receiving your Proposal.

Sincerely yours,

*Endrias Getachew*  
*DRR(O)a.i.*  
9/19/2019

## Description of Requirements

Context of the Requirement	<i>Design, Supply, installation &amp; delivery of Structured Network, telephone &amp; UPS power infrastructure for NEBE's office .</i>
Implementing Partner of UNDP	<i>Supporting Elections for Ethiopia's Democratic Strengthening (SEEDS)</i>
Brief Description of the Required Services	<p><i>The contractor will be responsible for the design, supply, installation and delivery of structured network, telephone and UPS power infrastructure for the above-mentioned office site in accordance with the requirements stated in this document. The contractor is expected to propose and submit a comprehensive structured cabling solution by analyzing the requirement, provide the necessary materials as.....</i></p> <p><b><i>Please see the TOR Attached</i></b></p>
List and Description of Expected Outputs to be Delivered	<ul style="list-style-type: none"> <li>• <i>Analyze and identify the structured cabling requirement of the NEBE office and propose a comprehensive cabling solution. Contractor shall submit detailed scope of work for proposed solution. This shall include all wiring diagrams, description of materials to be used to produce the structured cabling infrastructure and timeline for major tasks of the Work.</i></li> <li>• <i>Supply and install a Fiber cable to connect core and access switches on each floor in the building and annex offices in compound. The fiber cable should be installed redundantly to maximize the reliability.</i></li> <li>• <i>Supply and install CAT6 UTP cable (full copper) that will be used for horizontal cabling from each wiring closet to each endpoint.</i></li> <li>• <i>Supply and install (CAT 3 telephone cable) that extend from PABX room to every wiring closet.</i></li> <li>• <i>Supply and install power cables which will be terminated from UPS in the server room to user ports</i></li> <li>• <i>Supply and install a single PVC trunk for all Network and Power cables, which is clearly separated by a partition.</i></li> <li>• <i>Centralize CAT6 and CAT3 outlets in a patch panel located in its respective floor.</i></li> <li>• <i>Etc.....</i></li> </ul> <p><b><i>Please see the TOR Attached</i></b></p>
Person to Supervise the Work/Performance of the Service Provider	<i>ICT consultant -NEBE</i>

Frequency of Reporting	<b><i>Please see the TOR Attached</i></b>				
Progress Reporting Requirements	<b><i>Please see the TOR Attached</i></b>				
Location of work	<input checked="" type="checkbox"/> Exact Address/es <i>National Electoral Board of Ethiopia (NEBE) Head office</i>				
Expected duration of work	<i>Five working weeks</i>				
Target start date	<i>October 20,2019</i>				
Latest completion date	<i>November 30,2019</i>				
Travels Expected	Not Applicable				
Implementation Schedule indicating breakdown and timing of activities/sub-activities	<input checked="" type="checkbox"/> Required				
Names and curriculum vitae of individuals who will be involved in completing the services	<input checked="" type="checkbox"/> Required				
Currency of Proposal	<input checked="" type="checkbox"/> United States Dollars And any other official convertible rate applicable rate will be UN operating rate of exchange (ORE)				
Value Added Tax on Price Proposal	<input checked="" type="checkbox"/> must be exclusive of VAT and other applicable indirect taxes				
Validity Period of Proposals <i>(Counting for the last day of submission of quotes)</i>	<input checked="" type="checkbox"/> 150 days  In exceptional circumstances, UNDP may request the Proposer to extend the validity of the Proposal beyond what has been initially indicated in this RFP. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Proposal.				
Partial Quotes	<input checked="" type="checkbox"/> Not permitted				
Payment Terms	Outputs	Percentage	Timing	Condition for Payment Release	
	Analyze and identify the structured cabling requirement of the NEBE office and propose a	20% of the total	Up on acceptance of the end user on the	Within thirty (30) days from the date of meeting the	

	comprehensive cabling solution. Contractor shall submit detailed scope of work for proposed solution. This shall include all wiring diagrams, description of materials to be used to produce the structured cabling infrastructure and timeline for major tasks of the Work.		indicated output and confirmation on the release of payment. The vendor should have to submit a bank guarantee from a accepted international bank for the advance to paid	following conditions: a) UNDP's written acceptance (i.e., not mere receipt) of the quality of the outputs; and b) Receipt of invoice from the Service Provider.
	After full completion and acceptance of the service and supply and full signed confirmation of the from the end user supervisor of the project	80%		
Person(s) to review/inspect/ approve outputs/complete d services and authorize the disbursement of payment	<b>NEBE assigned personnel and UNDP selected approvers</b>			
Criteria for Contract Award	<input checked="" type="checkbox"/> Lowest Price Quote among technically responsive offers <input checked="" type="checkbox"/> Full acceptance of the UNDP Contract General Terms and Conditions (GTC). This is a mandatory criterion and cannot be deleted regardless of the nature of services required. Non acceptance of the GTC may be grounds for the rejection of the Proposal.			
Criteria for the Assessment of Proposal	<b><u>Technical Proposal (70%)</u></b> <input checked="" type="checkbox"/> Expertise of the Firm <b>30%</b> <input checked="" type="checkbox"/> Methodology, Its Appropriateness to the Condition and Timeliness of the Implementation Plan <b>20%</b> <input checked="" type="checkbox"/> Management Structure and Qualification of Key Personnel <b>20%</b> <b><u>Financial Proposal (30%)</u></b> To be computed as a ratio of the Proposal's offer to the lowest price among the proposals received by UNDP.			
UNDP will award the contract to:	<input checked="" type="checkbox"/> One and only one Service Provider			

Type of Contract to be Signed	<input checked="" type="checkbox"/> Purchase Order
Contract General Terms and Conditions	<input checked="" type="checkbox"/> General Terms and Conditions for contracts (goods and/or services) Applicable Terms and Conditions are available at: <a href="http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html">http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html</a>
Annexes to this RFP	<input checked="" type="checkbox"/> Form for Submission of Proposal (Annex 2) <input checked="" type="checkbox"/> Detailed TOR <input checked="" type="checkbox"/> Others Floor plans
Contact Person for Inquiries (Written inquiries only)	<b>MH/AK</b> <b>Procurement Specialist/Assistant</b> <b><i>Info.procurmentet@undp.org</i></b> <b><i>Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.</i></b>
Other Information [pls. specify]	For the materials to be offered the supplier should have to submit an ISO certificate for the submitted materials

## FORM FOR SUBMITTING SERVICE PROVIDER'S PROPOSAL<sup>1</sup>

*(This Form must be submitted only using the Service Provider's Official Letterhead/Stationery<sup>2</sup>)*

[insert: Location].

[insert: Date]

To: [insert: Name and Address of UNDP focal point]

Dear Sir/Madam:

We, the undersigned, hereby offer to render the following services to UNDP in conformity with the requirements defined in the RFP dated [specify date], and all of its attachments, as well as the provisions of the UNDP General Contract Terms and Conditions:

### A. Qualifications of the Service Provider

*The Service Provider must describe and explain how and why they are the best entity that can deliver the requirements of UNDP by indicating the following:*

- a) Profile – describing the nature of business, field of expertise, licenses, certifications, accreditations;*
- b) Business Licenses – Registration Papers, Tax Payment Certification, etc.*
- c) Latest Audited Financial Statement – income statement and balance sheet to indicate its financial stability, liquidity, credit standing, and market reputation, etc. ;*
- d) Track Record – list of clients for similar services as those required by UNDP, indicating description of contract scope, contract duration, contract value, contract references;*
- e) Certificates and Accreditation – including Quality Certificates, Patent Registrations, Environmental Sustainability Certificates, etc.*
- f) Written Self-Declaration that the company is not in the UN Security Council 1267/1989 List, UN Procurement Division List or Other UN Ineligibility List.*

### B. Proposed Methodology for the Completion of Services

*The Service Provider must describe how it will address/deliver the demands of the RFP; providing a detailed description of the essential performance characteristics, reporting conditions and quality assurance mechanisms that will be put in place, while demonstrating that the proposed methodology will be appropriate to the local conditions and context of the work.*

<sup>1</sup> This serves as a guide to the Service Provider in preparing the Proposal.

<sup>2</sup> Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes

**C. Qualifications of Key Personnel**

*If required by the RFP, the Service Provider must provide:*

- a) Names and qualifications of the key personnel that will perform the services indicating who is Team Leader, who are supporting, etc.;*
- b) CVs demonstrating qualifications must be submitted if required by the RFP; and*
- c) Written confirmation from each personnel that they are available for the entire duration of the contract.*

**D. Cost Breakdown per Deliverable\***

	<b>Deliverables</b> <i>[list them as referred to in the RFP]</i>	<b>Percentage of Total Price</b> <i>(Weight for payment)</i>	<b>Price</b> <i>(Lump Sum, All Inclusive)</i>
1	Deliverable 1		
2	Deliverable 2		
3	....		
	<b>Total</b>	<b>100%</b>	

*\*This shall be the basis of the payment tranches*

**E. Cost Breakdown by Cost Component [This is only an Example]:**

<b>Description of Activity</b>	<b>Remuneration per Unit of Time</b>	<b>Total Period of Engagement</b>	<b>No. of Personnel</b>	<b>Total Rate</b>
<b>I. Personnel Services</b>				
1. Services from Home Office				
a. Expertise 1				
b. Expertise 2				
2. Services from Field Offices				
a. Expertise 1				
b. Expertise 2				
3. Services from Overseas				
a. Expertise 1				
b. Expertise 2				
<b>II. Out of Pocket Expenses</b>				
1. Travel Costs				
2. Daily Allowance				
3. Communications				
4. Reproduction				
5. Equipment Lease				
6. Others				
<b>III. Other Related Costs</b>				

*[Name and Signature of the Service Provider's  
Authorized Person]*

*[Designation]*

*[Date]*

**Annex 1**



## **Terms of reference (TOR)**

### **BACKGROUND**

The National Election Board of Ethiopia (NEBE) is an autonomous government agency, which supervises the national elections of Ethiopia. The NEBE was established by Proclamation number 64/1992, and answers to the House of Peoples' Representatives.

The National Election Board of Ethiopia (NEBE) is moving to a new office located around Flamingo. The NEBE compound has main building (G +5), two annexes and a security spot on the main gate. We would like to contract an experienced network installation company for Provision, Installation, and Testing of a Structured Network, Telephone and Power cabling for this office after conducting an extensive assessment of the requirement. Currently the office is under innovation and the installation work would be done simultaneously.

### **OBJECTIVE**

The Project Aims to Design, Supply, Install and Delivery of structured Network, Telephone and UPS Power infrastructure for the NEBE's office. The structured cabling system, power and communication facility shall:

Provide user friendly environment with efficient, less technical support and open to performance upgrade/future expansion and can accommodate efficiently all data transmission service to the workstations;

Facilitate efficient communication;

Provide high-speed network connectivity to every floor of the main building and annexes;

Provide voice-cabling system to provide efficient telephone switching system.

### **SCOPE OF WORK**

The contractor will be responsible for the design, supply, installation and delivery of structured network, telephone and UPS power infrastructure for the above-mentioned office site in accordance with the requirements stated in this document. The contractor is expected to propose and submit a comprehensive structured cabling solution by analyzing the requirement, provide the necessary materials as indicated in the bill of materials and carry out the installation work as per proposal. The Scope of work is limited to structural cable installation and does not include provision and configuration of the network and telephone equipment. The number of nodes for Data, Telephone and UPS Power is determined to be 234, 138 and 137 respectively. The detail location of these nodes are indicated on the floor Diagram which will be annexed.

The Data center and Telephone PBX rooms are located on the ground floor. The Data center houses the Central UPS, network equipment Such as core Switch, Router, ISP internet link, Servers and other network peripherals. The network cables will be terminated on patch panels in wiring cabinet, which will be installed on each floor. Fiber cable will be used a backbone cable to connect the Access switches on each floor to the core Switch in the data center. Similarly, the telephone cables will be terminated on the TDFs on each floor and they will be connected to patches in the PBX room. The Power cables will be connected to the central UPS in the data center.

## **DELIVERABLES**

Analyze and identify the structured cabling requirement of the NEBE office and propose a comprehensive cabling solution. Contractor shall submit detailed scope of work for proposed solution. This shall include all wiring diagrams, description of materials to be used to produce the structured cabling infrastructure and timeline for major tasks of the Work.

Supply and install a Fiber cable to connect core and access switches on each floor in the building and annex offices in compound. The fiber cable should be installed redundantly to maximize the reliability.

Supply and install CAT6 UTP cable (full copper) that will be used for horizontal cabling from each wiring closet to each endpoint.

Supply and install (CAT 3 telephone cable) that extend from PABX room to every wiring closet.

Supply and install power cables which will be terminated from UPS in the server room to user ports

Supply and install a single PVC trunk for all Network and Power cables, which is clearly separated by a partition.

Centralize CAT6 and CAT3 outlets in a patch panel located in its respective floor.

Supply and install the necessary outlets for Data, Voice and UPS power, which is mounted strictly only on the plastic trunk.

Install additional nodes to be used for security camera.

Supply and install separation partitions, duct covers, flat angles, external and internal angles, end caps, drilling and chiseling of walls for pulling cables, plastering and paintings of wall as necessary.

Install wiring cabinet (available in house), install patch panels in the wiring closet, terminate both voice and data cables on the patch panel, label the nodes both at the user and on the patch panel end.

Keep the existing electrical wiring in the new NEBE office and install a separate UPS supplies to selected outlets.

Shall remove the old ducts and cables, seal the holes and finally paint wall in accordance to the original color code. The contractor should also consider properly rearranging the old cables and ducts in a proper manner in warehouse to be indicated by NEBE.

Properly identify and label both ends of voice, power and data cables.

Test and verify that each and every LAN, power and voice points are working.

Submit detailed documentation of the installation, termination and labels of data, voice and power cabling.

Provide 1-year service guarantee after the acceptance test.

### **CABLING & EQUIPMENT STANDARDS**

Cabling Standard Comply to:-

ISO/IEC 11801:2002: International Standard for generic cabling for customer premises

EIA/TIA 568B: Commercial Building Telecommunications Cabling Standard (2002)

EIA/TIA 568B.2-1: Commercial Building Telecommunication Cabling Standard (2002).

### **DELIVERY PERIOD:**

The work has to be completed in not more than five working weeks latest.

Minimum organization and key personnel requirements

Additional Remark /Conditions

A site visit must be done to discuss necessary technical details and the requirement.

### **SPECIFY THE BRAND OF MATERIALS SUPPLIED.**

The quality of the installation is subjected to ongoing inspection as project progresses.

The contractor's staff shall not work on any energized circuit during installation or alteration. Circuits shall only be energized on completion when it has been tested and shown to be safe, and does not constitute a hazard to NEBE or the contractor's staff.

### **TECHNICAL EVALUATION**

Summary of Technical and Fianacial Proposal Evaluation Forms		Score Weight	Points Obtainabl e
<b>1</b>	Expertise of Firm / Organization	30%	300
<b>2</b>	Proposed Methodology, Approach and Implementation Plan	20%	400
<b>3</b>	Management Structure and Key Personnel	20%	300
<b>TOTAL</b>		<b>70%</b>	<b>1000</b>
<b>Technical Proposal Evaluation (FORM I)</b>			
<b>Expertise of the Firm / Organization</b>			<b>Points Obtainabl e</b>
<b>1.1</b>	Reputation of Organization and Staff / Credibility / Reliability / Industry Standing		<b>50</b>
<b>1.2</b>	General Organizational Capability which is likely to affect implementation		<b>90</b>
	- Financial Stability		
	- Loose consortium, Holding company or One firm		
	- Age/size of the firm		
	- Strength of the Project Management Support		
	- Project Financing Capacity		
	- Project Management Control		<b>15</b>
<b>1.3</b>	Extent to which any work would be subcontracted (subcontracting carries additional risks which may affect project implementation, but properly done it offers a chance to access specialized skills.)		
<b>1.4</b>	Quality assurance procedure, warranty		<b>25</b>
<b>1.5</b>	Relevance of:		<b>120</b>
	- Specialized Knowledge		
	- Experience on Similar Programme / Projects		
	- Experience on Projects in the Region		
	- Work for UNDP/ major multilateral/ or bilateral programmes		
<b>SUB TOTAL</b>			<b>300</b>
<b>Technical Proposal Evaluation (FORM II)</b>			
<b>Proposed Methodology, Approach and Implementation Plan</b>			
<b>2.1</b>	To what degree does the Proposer understand the task?		<b>30</b>
<b>2.2</b>	Have the important aspects of the task been addressed in sufficient detail?		<b>25</b>
<b>2.3</b>	Are the different components of the project adequately weighted relative to one another?		<b>20</b>
<b>2.4</b>	Is the proposal based on a survey of the project environment and was this data input properly used in the preparation of the proposal?		<b>55</b>
<b>2.5</b>	Is the conceptual framework adopted appropriate for the task?		<b>65</b>
<b>2.6</b>	Is the scope of task well defined and does it correspond to the TOR?		<b>120</b>
<b>2.7</b>	Is the presentation clear and is the sequence of activities and the planning logical, realistic and promise efficient implementation to the project?		<b>85</b>
<b>SUB TOTAL</b>			<b>400</b>
<b>Technical Proposal Evaluation (FORM III)</b>			

Management Structure and Key Personnel		
<b>3.1</b>	<b>Task/Project Manager / Team Leader /</b>	
	General Qualification	
	Suitability for the Project	
	Must be Project management certified and up to date;	<b>25</b>
	MSc Degree in Computer Science degree or similarly related;	<b>15</b>
	Ten (10) Years similar work experience;	<b>35</b>
	Demonstrate technical ability managing similar projects	<b>30</b>
	<b>SUB TOTAL (A)</b>	<b>105</b>
<b>3.2</b>	<b>Computer Engineer</b>	
	General Qualification	
	Suitability for the project	
	Must be certified Network Cable Installer	<b>25</b>
	BSc in Computer Science Degree or higher;	<b>15</b>
	Six (6) years working experience in Network Cabling and Network infrastructure development).	<b>35</b>
	<b>SUB TOTAL (B)</b>	<b>75</b>
<b>3.3</b>	<b>Electrical Engineer</b>	
	General Qualification	
	Suitability for the project	
	Certifications of Electrical Engineers	<b>15</b>
	BSc in Electrical Engineering or higher;	<b>20</b>
	Six (6) years working experience in Electrical Cabling and Electrical infrastructure Development	<b>25</b>
	<b>SUB TOTAL (C)</b>	<b>60</b>
<b>3.4</b>	<b>Telecom Engineer</b>	
	General Qualification	
	Suitability for the project	
	BSc in Telecommunication Engineering / BSC Computer Science Degree or higher or Related fields;	<b>20</b>
	Eight (8) years working experience in installing and supporting telecommunication systems	<b>25</b>
	Telecom certifications is an advantage	<b>15</b>
	<b>SUB TOTAL (D)</b>	<b>60</b>
	<b>SUB TOTAL (A+B+C+D)</b>	<b>300</b>

### **Bill of quantity (BOQ)**

<b>Board of election Data, Wi-Fi, Telephone and power number</b>					
<b>NO</b>	<b>FLOOR</b>	<b>DATA</b>	<b>TELEPHONE</b>	<b>Wi-Fi</b>	<b>POWER</b>
<b>1</b>	Ground Floor	32	17	2	18
<b>2</b>	1st	34	23	2	18
<b>3</b>	2nd	34	23	2	18
<b>4</b>	3rd	27	15	2	24
<b>5</b>	4th	36	32	2	20
<b>6</b>	5th	42	19	3	32
<b>7</b>	cafeteria		2	2	
<b>8</b>	Annex	12	5		5
<b>9</b>	Gate	2	2		2
<b>Total</b>		<b>219</b>	<b>138</b>	<b>15</b>	<b>137</b>

<b>Data BOM</b>				
<b>No</b>	<b>Item</b>	<b>Unit</b>	<b>Brand indicated or equivalent</b>	<b>qty</b>
<b>1</b>	UTP cable full copper	psc	BMT	65
<b>2</b>	UTP patch panel 24 core	pcs		10
	UTP patch panel 48 core	pcs		2
<b>3</b>	cable tai 50cm	pcs	3M	15
<b>4</b>	cat6 out late Rj45 with frame	pcs	GET/Legrand/MK	224
<b>5</b>	Trunk 100x50x3partition	pcs	MTULSAN or Equivalent	650
<b>6</b>	Trunk connector Inner	pcs	GET/Legrand/MK	45
<b>7</b>	Trunk connector outer	pcs	GET/Legrand/MK	34
<b>8</b>	Trunk connector end cup	pcs	GET/Legrand/MK	12
<b>9</b>	Trunk connector L cup	pcs	GET/Legrand/MK	5
<b>10</b>	UTP patch cord 0.5m Full copper	pcs	GET/Legrand/MK	234
<b>11</b>	UTP patch cord 1m Full copper	pcs	GET/Legrand/MK	34
<b>12</b>	UTP patch cord 3m Full copper	pcs	GET/Legrand/MK	150
<b>13</b>	UTP patch cord 6m Full copper	pcs	GET/Legrand/MK	50

<b>Voice BOM</b>				
<b>No</b>	<b>Item</b>	<b>Unit</b>	<b>Brand indicated or equivalent</b>	<b>qty</b>
<b>1</b>	50 pair Telephone cable	m		120
<b>2</b>	TDF 50	pcs		6
<b>3</b>	cat6 out late Rj11 with frame	pcs	GET/Legrand/MK	138
<b>4</b>	Telephone patch cord 3m	pcs		100
<b>5</b>	Telephone patch cord 5m			38

Fiber BOM				
No	Item	Unit	Brand indicated or equivalent	qty
1	Fiber optic cable 12 core Single Mode	m	Legrand Or Equivalent	1250
3	pig tile LC single mode	pcs	Legrand Or Equivalent	336
4	Splicing slave	pcs		350
5	patch cord 1-meter LC to LC	pcs	Legrand Or Equivalent	50
6	patch cord 20-meter LC to LC	pcs	Legrand Or Equivalent	20
7	fiber patch panel 24 core LC	pcs	Legrand Or Equivalent	13
8	HDP	m		200
9	Galvanized pipe	m		50

Power BOM				
No	Item	Unit	Brand indicated or equivalent	qty
1	Power cable 10x5	m	BMT	150
2	Power cable 3x2.5	m	BMT	1385
3	Breaker 25AM	psc	Regrind	47
4	Breaker 65AM	pcs	Regrind	7
5	Board	pcs	Regrind	7
6	Installation Tape	pcs		30
7	power outlet single Socket	pcs	Gunsan	139

N.B.

- If the Vendor is importing the materials the vendor shall offer the price of the materials incoterm to be applicable shall be **CIP Addis Ababa**. UNDP shall take care of the clearance process and deliver to the installation site
- Vendors after their assessment can revise the required qty of the materials