**CNOS(Project) – Amazon Data Center in Iasi**

**Contractor – E&N internet solutions SRL**

**Bill of Materials**

|  |  |  |  |
| --- | --- | --- | --- |
| **Components** | **Quantity** | **Unit Cost (lei)** | **Total Cost (lei)** |
| Cable Tester | 2 | 34 | 68 |
| Crimping Tool | 2 | 29 | 58 |
| RJ-45 (100 pcs) | 2 | 26 | 53 |
| Racks (600\*600) | 1 | 2800 | 2800 |
| Cooling Fan | 2 | 470 | 940 |
| HPE Proliant DL380 Gen10 8SFF Configure-to-order Server | 4 | 11500 | 46000 |
| D-Link switch(DGS-3120) | 6 | 6700 | 40200 |
| UTP Cat 5e (305m) | 2 | 140 | 280 |
| STP Cat 5e (305m) | 1 | 900 | 900 |
| Windows Server 2016 | 1 | 2000 | 2000 |
| TP-Link TL-WA7210N PoE | 8 | 270 | 2160 |
| HP Pavillion 24-X0015nq All-in-One | 180 | 3900 | 702000 |
| Trunking cable/conduit(15 meters) | 1 | 6 lei/meter | 90 |
| HP Laptop-15s-Fq1000nq | 20 | 3200 | 64000 |
| Patch Panel | 6 | 200 | 1200 |
| Zip tie (100 pcs) | 2 | 20 | 40 |
| Extension (6 plugs) | 30 | 70 | 2100 |
| Canon i-sensys LBP352x laser printer | 4 | 5000 | 20000 |
| Electrical Cable (50meters) | 1 | 2043 lei/250ft | 2043 |
| Wall socket | 20 | 20 | 400 |
| UPS (6kW) | 1 | 6000 | 6000 |
| ***Total cost of all the components = 981,289 lei*** | | | |

**Costs for the logistics**

|  |  |  |  |
| --- | --- | --- | --- |
| **Equipment** | **Quantity** | **Unit price (lei)** | **Total price (lei)** |
| Transportation | 1 | 13000 | 13000 |
| Laptop (HP) | 4 | 1200 | 4800 |
| Cable tester | 8 | 56 | 448 |
| Drilling kit | 2 | 1200 | 2400 |
| Multi-purpose Precision kit | 4 | 140 | 560 |
| Multi-purpose Precision Screwdriver kit | 4 | 155 | 620 |
| Hammer | 2 | 45 | 90 |
| Crimping Tool | 4 | 25 | 100 |
| Wrench | 4 | 58 | 234 |
| Measuring Tape | 4 | 18 | 72 |
| Rope (20meters) | 1 | 28 | 28 |
| Digital Multimeter | 2 | 40 | 80 |
| ***Total price for all the equipments = 22,432 lei*** | | | |

**Breakdown of all the employees’ salary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Employees** | **Number of staff** | **Gross Salary per person (Monthly)**  **(lei)** | **Health Insurance per person (25%)** | **State Tax of Iasi per person (3%)** | **Net salary per person**  **(Monthly)**  **(lei)** | **Total Net Salary**  **(Monthly)**  **(lei)** |
| Technician | 8 | 3000 | 750 | 90 | 2160 | 17280 |
| Electrician | 4 | 3000 | 750 | 90 | 2160 | 8640 |
| Networking engineer | 1 | 5500 | 1375 | 165 | 3960 | 3960 |
| ***Total costs of salaries (monthly) = 41,500 lei*** | | | | | | |

**Workforce**

* Approximate time frame for project completion: 2 weeks (10-hour shifts per day)
* Employees deployed: 8 Technicians, 4 Electricians and 1 Networking engineer
* The earnings of each individual for this project: -
* Technicians: 12,000 lei
* Electricians: 6,000 lei
* Networking engineer: 2,750 lei
* Total amount: 20,750 lei
* Total pay for all the employees including commissions: 22,000 lei

**Evaluation of the complete expenses for this project**

|  |  |
| --- | --- |
| **Total cost of all the components** | **981,289 lei** |
| **Combined price for all the equipments** | **22,432 lei** |
| **Salaries of all the assigned employees** | **22,000 lei** |
| **Additional Charges** | **1,500 lei** |
| **Profits (15%)** | **150,783 lei** |
| **Taxes imposed on the profits (16%)** | **24,125 lei** |
| **Overall cost of this project** | **1,202,129 lei** |