

IN THE THIRD SESSION OF THE SEVENTH PARLIAMENT OF THE
FOURTH REPUBLIC OF GHANA

**REPORT OF THE FINANCE COMMITTEE ON THE
REQUEST FOR WAIVER OF IMPORT DUTIES, IMPORT
VAT, IMPORT NHIL/GETFUND LEVY, EXIM LEVY AND
SPECIAL IMPORT LEVY (INCLUDING DOMESTIC VAT,
DOMESTIC NHIL AND DOMESTIC GETFUND LEVY)
AMOUNTING TO THE GHANA CEDI EQUIVALENT OF
FORTY-NINE MILLION, NINE HUNDRED AND SIXTY-
SIX THOUSAND, FIVE HUNDRED AND THREE UNITED
STATES DOLLARS AND EIGHTY-SIX CENTS
(US\$49,966,503.86) ON PROJECT MATERIALS AND
EQUIPMENT TO BE PROCURED UNDER THE
AGREEMENT TO IMPLEMENT THE INTEGRATED
NATIONAL SECURITY COMMUNICATIONS
ENHANCEMENT NETWORK (ALPHA) PROJECT –
PHASE 2**

1.0 INTRODUCTION

The request for waiver of Import Duties, Import VAT, Import NHIL/GETFund Levy, EXIM Levy, and Special Import Levy (including domestic VAT, domestic NHIL and domestic GETFund Levy) amounting to the Ghana Cedi equivalent of ***Forty-Nine Million, Nine Hundred and Sixty-Six Thousand, Five Hundred and Three United States Dollars and Eighty-Six Cents (US\$49,966,503.86)*** on project materials and equipment to be procured under the Agreement to implement the **Integrated National Security Communications**

Enhancement Network (ALPHA) Project – Phase 2 was *laid* in the House on Thursday 7th November, 2019 by the Hon. Deputy Minister for Finance, Mrs. Abena Osei-Asare on behalf of the Minister responsible for Finance.

Pursuant to Order 169 of the Standing Orders of the House, the Request was *referred* to the Finance Committee for consideration and report.

The Committee met and considered the request with the Minister of State responsible for National Security, Hon. Bryan Acheampong, Deputy Minister for Finance, Hon. Abena Osei-Asare and a team of officials from the Ghana Revenue Authority and the Ministries of Finance and National Security.

The Committee hereby presents this report to the House pursuant to order 161(1) of the Standing Orders of the House.

2.0 BACKGROUND

The Government of Ghana in its efforts to improve the security of the state intends to enter into an Agreement to leverage emerging technologies to facilitate the determent and detection of nefarious activities in the country, safeguard critical national infrastructure and also to improve security and emergency response coordination with the use of state-of-the-art security and public safety systems.

To this end, the Government of Ghana and Huawei Technologies of China signed a one hundred and seventy-six million United States Dollars (US\$176,000,000.00) contract in 2012, to deliver

such mentioned systems, to complement other security systems already in place nationwide. Funding was provided by the China Development Bank (CDB) and all necessary Parliamentary approvals were secured through the Ministry of Communications.

The National Security Council (NSC) as part of its mandate was the owner of the project and provided the key personnel on behalf of the Government of Ghana to support project implementation and subsequent takeover for operations and maintenance. The First Phase of the project as currently deployed provides the underlying infrastructure for national security and emerging response priority communications for both voice and data, as well as the backbone for our nationwide video surveillance (CCTV) deployment efforts.

The project also delivers a national Emergency Command Center (ECC) for coordinated incident response, and from which the various security services are able to draw intelligence feeds.

The First Phase installed the communications network upon which network elements such as the CCTV, handsets and other systems would ride. It also introduced a few of the CCTV cameras (around 800 cameras) for priority deployment to critical areas such as key national installations and hot spots.

The present loan agreements are to finance the Second Phase of the project to ensure an enhanced and integrated national security communications network for the protection of life and property and maintenance of law and order in the country.

3.0 PROJECT OBJECTIVE

The Objective of the Project is to implement an enhanced and integrated national security communications network in Ghana.

The specific objectives of the project are:

- a. Improve communications network coverage from its patchy status to nationwide coverage;
- b. Increase CCTV cameras from current eight hundred (800) to around ten thousand (10,000), with the introduction of additional sensors for the effective law enforcement, border security and attendance to other pertinent national security related matters;
- c. Provide a dedicated backbone big data network for secure intelligence dissemination;
- d. Build a backup national Command Center and data center for incident coordination and secure storage;
- e. Modernize the command and operations centers of stakeholder institutions to align with the national command centers; and
- f. Provide additional handset terminals for use by law enforcement, security and intelligence agencies.

4.0 TOTAL WAIVER REQUESTED

The total amount of taxes and duties for which waiver is being sought is the Ghana Cedi equivalent of ***Forty-Nine Million, Nine Hundred and Sixty-Six Thousand, Five Hundred and Three United States Dollars and Eighty-Six Cents (US\$49,966,503.86).***

Attachment: Please find attached as APPENDIX, the detailed assessment of the relevant taxes and duties.

5.0 OBSERVATIONS AND RECOMMENDATIONS

5.1 Project Cost

The Committee noted that the total cost of the project amounts to US\$234,604,266 and is financed under the Preferential Buyer's Credit arrangement with the Export-Import Bank of China. By this arrangement, China Exim Bank is providing a loan facility of US\$199,413,626.10 to finance up to 85% of the total cost under the commercial contract. The remaining 15% of the cost of the commercial contract is to be paid by the Government of Ghana as counterpart funding. Barclays Bank of Ghana Limited is therefore providing a loan facility to Government to enable Government meet the 15% counterpart requirement. The financial package thus provides a 100% funding solution for the implementation of the project.

5.2 Beneficiary Agencies

The Committee was informed that the beneficiaries of the systems are

- The Security and Intelligence Agencies under the National Security Council
- The Ghana Armed Forces under the Ministry of Defence
- Security Services under the Ministry of the Interior

- Emergency Response Services under the Ministries of the Interior and Health, and
- Other government institutions and services whose functions are ancillary to the above mentioned groups.

5.3 Implementation Period

As to how long the project would take to be completed, the Committee was informed that other things being equal, the delivery and installation of materials and equipment is scheduled to be completed within eighteen (18) months after commencement.

5.4 Need for Waiver

The Committee noted that as part of the obligations of the Government of Ghana (Customer) under the Contract Agreement between the Government of the Republic of Ghana acting through the Ministry of National Security and Huawei Technologies Company Limited (Huawei) and China Machinery Engineering Corporation (CMEC) for the implementation of the project, Clause 4.1 of the Agreement provides that *"The Customer shall obtain Taxes exemption or duty waiver for the Supplier and its affiliates or/and subcontractors, such as Huawei Technologies (Ghana) S.A. Limited. In case the Customer fails or/and delays to provide the required tax exemption certification to the Supplier, its affiliates or/and subcontractors (including Huawei Technologies (Ghana) S.A. Limited) as requested by the Supplier, all Taxes payable in the Territory and demurrage*

charge or any other expenses incurred in relation to this Contract shall be borne and paid by the Customer."

Consequently, it was explained to the Committee that the Government of Ghana is fully responsible for the taxes incurred in the territory of Ghana as the *Total Contract Price* does not include any taxes incurred in Ghana.

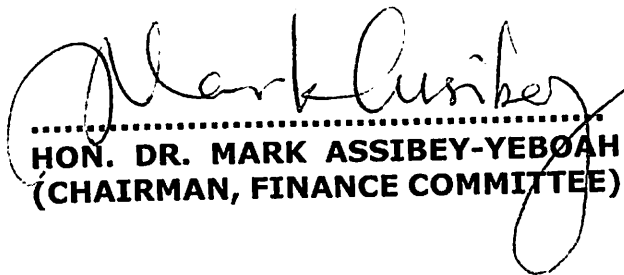
6.0 CONCLUSION

The Committee is satisfied that the request is in consonance with the Contract Agreement between the Government of the Republic of Ghana acting through the Ministry of National Security and Huawei Technologies Company Limited (Huawei) and China Machinery Engineering Corporation (CMEC) for the implementation of the Project.

The Committee therefore recommends to the House to adopt this report and *approve by resolution*, the **request for waiver of Import Duties, Import VAT, Import NHIL/GETFund Levy, EXIM Levy, and Special Import Levy (including domestic VAT, domestic NHIL and domestic GETFund Levy)** amounting to the Ghana Cedi equivalent of **Forty-Nine Million, Nine Hundred and Sixty-Six Thousand, Five Hundred and Three United States Dollars and Eighty-Six Cents (US\$49,966,503.86)** on project materials and equipment to be procured under the Agreement to implement the **Integrated National Security Communications Enhancement Network (ALPHA) Project – Phase 2** in accordance with Article 174(2)

of the 1992 Constitution of the Republic of Ghana.

Respectfully submitted.



.....
HON. DR. MARK ASSIBEY-YEBOAH
(CHAIRMAN, FINANCE COMMITTEE)



.....
MS. EVELYN BREFO-BOATENG
(CLERK, FINANCE COMMITTEE)

14TH NOVEMBER, 2019

In case of reply the number and date of this letter should be quoted

APPENDIX

**THE COMMISSIONER
CUSTOMS DIVISION OF
GHANA REVENUE AUTHORITY
P. O. BOX 68
ACCRA**



**TEL: 233-302-666841-4
FAX: 233-302-660019**

H/DUTY/6
OUR REF NO.....
YOUR REF :.....

8TH CTOBER, 2019

THE MINISTER,
MINISTRY OF FINANCE,
ACCRA.

RE: REQUEST FOR TAX ASSESSMENT IN RESPECT OF THE INTEGRATED NATIONAL SECURITY COMMUNICATIONS ENHANCEMENT NETWORK PROJECT, PHASE II

Reference is made to your letter no. RMERD/TPU/TA/MNS/GRA/019 dated September, 2019 on the above subject.

I forward herewith the schedule of Assessment of Tax Liabilities totaling the Cedi equivalent of Forty Million, Five Hundred and Forty Two Thousand, Eight Hundred and Eighty Two U.S. Dollars(\$40,542,882.00) being Project Equipment and Materials for the above Project to enable you request for Tax Exemption.


for: COMMISSIONER
(Y. BOAKYE AGYEMANG)
AG DEP. COMMISSIONER/OPS

Personal Computer	50	pcs	75,674	5%	3784	3973	10429	568	0	18,753
Video Decoder	6	pcs	17,524	20%	3505	1051	2760	131	0	7,448
Software for Command center platform	1	pc	549,809	20%	109962	32989	86595	4124	0	233,669
Software for Command center platform	1	pc	971,648	20%	194330	58299	153035	7287	0	412,950
IP Phones	24	pcs	5,304	10%	530	292	766	40	0	1,628
IP Phones	24	pcs	4,261	10%	426	234	615	32	0	1,308
Bullet cameras	5850	pcs	3,033,523	5%	151676	159260	418057	22751	0	751,745
Dome Camera	2350	pcs	5,899,696	5%	294985	309734	813052	44248	0	1,462,018
Video Decoder	12	pcs	35,049	20%	7010	2103	5520	263	0	14,896
Bullet cameras	260	pcs	648,821	5%	32441	34063	89416	4866	0	160,786
Dome Camera	155	pcs	665,235	5%	33262	34925	91678	4989	0	164,854
CCTV platform	165	pcs	4,169,979	20%	833996	250199	656772	31275	0	1,772,241
CCTV platform	3	pcs	5,912,419	20%	1182484	354745	931206	44343	0	2,512,778
CCTV platform	70	pcs	442,193	20%	88439	26532	69645	3316	0	187,932
Video Decoder	35	pcs	448,414	10%	44841	24663	64740	3363	0	137,607
Storage Unit for Data processing	3	pcs	165,504	5%	8275	8689	22809	1241	0	41,014
Server Hardware for Location management system	4	pcs	764,286	5%	38214	40125	105328	5732	0	189,400
Software for Location management	1	pcs	865,729	20%	173146	51944	136352	6493	0	367,935
Network Switch	40	pcs	48,064	10%	4806	2644	6939	360	0	14,750
Telecom microwave	50	pcs	429,446	10%	42945	23620	62001	3221	0	131,786
Network Switch	256	pcs	307,608	10%	30761	16918	44411	2307	0	94,397
Network Switch	240	pcs	4,573,680	10%	457368	251552	660325	34303	0	1,403,548
Software: Equipment management system	1	pc	713,137	10%	71314	39223	102959	5349	0	218,844
Network Router in Datacenter	2	pcs	1,587,000	10%	158700	87285	229123	11903	0	487,011
Network Router in Datacenter	18	pcs	5,366,103	10%	536610	295136	774731	40246	0	1,646,723
Network Switch in Datacenter	2	pcs	298,860	10%	29886	16437	43148	2241	0	91,713
Network Switch in Datacenter	2	pcs	190,835	10%	190	10496	27552	1431	0	58,562

Network Switch in Datacenter	16	pcs	511,530	10%	51153	28134	73852	3836	0	156,976
Network Switch in Datacenter	6	pcs	115,525	10%	11553	6354	16679	866	0	35,452
Network Switch in Datacenter	48	pcs	169,869	10%	16987	9343	24525	1274	0	52,129
Network Server for Firewall in Datacenter	2	pcs	144,993	10%	14499	7975	20933	1087	0	44,495
Network Server for Firewall in Datacenter	16	pcs	158,524	10%	15852	8719	22887	1189	0	48,647
Network Switch in Datacenter	91	pcs	576,243	10%	57624	31693	83195	4322	0	176,835
Optical Fiber cable for telecom	600	pcs	1,026,129	10%	102613	56437	148147	7696	0	314,893
Splitting module for Fiber cable	800	pcs	146,037	20%	29207	8762	23001	1095	0	62,066
optical distribution frame	30	pcs	60,397	20%	12079	3624	9513	453	0	25,669
Switch for eLTE site	100	pcs	834,387	10%	83439	45891	120465	6258	0	256,053
Switch in Datacenter	32	pcs	85,728	10%	8573	4715	12377	643	0	26,308
Switch for CCTV site	32	pcs	83,642	10%	8364	4600	12076	627	0	25,668
fiber access terminal Box	35	pcs	16,492	20%	3298	990	2597	124	0	7,009
Splitting and Splicing Closure for optical fiber	105	pcs	35,726	20%	7145	2144	5627	268	0	15,184
Optical Fiber cable for telecom	105	pcs	16,429	5%	821	863	2264	123	0	4,071
Network Switch in Datacenter	35	pcs	83,030	10%	8303	4567	11987	623	0	25,480
Power supply Cabinets	20	pcs	91,022	20%	18204	5461	14336	683	0	38,684
Power supply Cabinets	35	pcs	845,458	20%	169092	50727	133160	6341	0	359,320
Power supply Cabinets	20	pcs	190,570	20%	38114	11434	30015	1429	0	80,992
Power supply Cabinets	30	pcs	327,705	20%	65541	19662	51614	2458	0	139,275
Power supply Cabinets	50	pcs	294,394	20%	58879	17664	46367	2208	0	125,117
Power supply Cabinets	30	pcs	180,067	20%	36013	10804	28361	1351	0	76,528
Power supply Cabinets	20	pcs	122,331	20%	24466	7340	19267	917	0	51,991
Power supply Cabinets	920	pcs	8,766,220	20%	1753244	525973	1380680	65747	0	3,725,644
Power supply Cabinets	300	pcs	1,365,334	20%	273067	81920	215040	10240	0	580,267
Power supply Cabinets	300	pcs	2,310,843	20%	462169	138651	363958	17331	0	982,108
Power supply Cabinets	1250	pcs	5,688,891	20%	113777	341333	896000	42667	0	2,417,779

Power supply Cabinets	154	pcs	1,250,671	20%	250134	75040	196981	9380	0	531,535
Power supply Cabinets	86	pcs	2,516,503	20%	503301	150990	396349	18874	0	1,069,514
Network sever for Power supply management syst	1	pc	242,574	5%	12129	12735	33430	1819	0	60,113
Power supply Cabinets	180	pcs	515,647	20%	103129	30939	81214	3867	0	219,150
Spare parts for power supply	60	pcs	42,559	5%	2128	2234	5865	319	0	10,547
Power supply Cabinets	69	pcs	341,170	20%	68234	20470	53734	2559	0	144,997
Power supply Cabinets	50	pcs	418,018	20%	83604	25081	65838	3135	0	177,658
Power supply Cabinets	50	pcs	466,395	20%	93279	27984	73457	3498	0	198,218
Camera for vehicles recognition	200	pcs	1,132,136	20%	226427	67928	178311	8491	0	481,158
Radar Detector for vehicles recognition	300	pcs	970,403	5%	48520	50946	133734	7278	0	240,478
Flash light for vehicles recognition	300	pcs	646,935	20%	129387	38816	101892	4852	0	274,947
Data processing Storage Unit for vehicles recognit	100	pcs	485,201	5%	24260	25473	66867	3639	0	120,239
software for vehicles recognition analysis	1	pc	1,677,028	20%	335406	100622	264132	12578	0	712,737
Software for video analysis	1	pc	5,015,000	20%	1003000	300900	789863	37613	0	2,131,375
TOTAL			116,784,118		15661274	6622270	17383458	875881	0	40,542,882

CERTIFICATE

TOTAL TAX LIABILITY=40,542,882US DOLLARS

This is to certify that the assessment given is true and correct.

Signature:.....

.....

Importer/Agent's Name & Designation:.....

For Official Use

Assessment rechecked and found correct and complete.

Signature: 

.....27-09-2019.....

Officer's Name & Rank:- **GIDEON GLEY**
(SNR REV. OFFICER)

Date

GHANA REVENUE AUTHORITY

Our Ref. No. **CDTRD-EXM-191008**

Your Ref. No.



GRA

October 8, 2019

The Hon. Minister
Ministry of Finance
Accra

Attention: Daniel Nuer
Head, Tax Policy Unit

Dear Sir,

RE: REQUEST FOR TAX ASSESSMENT IN RESPECT OF THE INTEGRATED NATIONAL SECURITY COMMUNICATIONS ENHANCEMENT NETWORK PROJECT, PHASE II

We refer to your letter dated September 30, 2019 and referenced RMERD/TPU/TA//MNS/GRA/019 (and the Master List which accompanied it) on the above subject in which you requested Ghana Revenue Authority (GRA) to do an assessment of taxes on the above mentioned project to be considered by Parliament for purposes of exempting the project from the applicable domestic taxes and levies.

Our analysis of the Master List furnished us resulted in the following assessment:

Table 1: Tax Assessment In Respect of the Integrated National Security Communications Enhancement Network Project, Phase II

	Tax Type	Assessed Tax in (USD\$)	Exchange Rate	Assessed Tax in (GH¢)
1	Domestic VAT	9,423,621.86	5.3201	50,134,610.68
2	Domestic NHIL	1,794,975.59	5.3201	9,549,449.65
3	Domestic GETFUND	1,794,975.59	5.3201	9,549,449.65
	TOTAL	13,013,573.04	5.3201	69,233,509.98

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www.gra.gov.gh

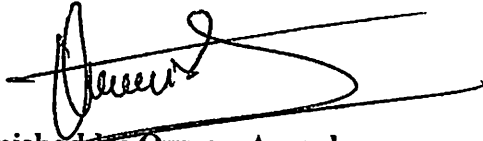
Domestic Tax Revenue Division (DTRD)

Head Office, Off Starlets '91 Road, Opposite Accra Sports Stadium P.O. Box 2202, Ministries, Accra. Hotline: 0800900102 E: info@gra.gov.gh

Attached herewith as appendix 1 is the detailed computation resulting in the above assessment.

NOTE: The prevailing Bank of Ghana published daily interbank mid-rate of GH 5.3201 to 1USD as at Monday, October 07, 2019 was used in the assessment above.

Yours faithfully,



Ammishaddai Owusu-Amoah

Commissioner (DTRD)

For: Commissioner- General

cc: The Hon. Minister of Finance

The Hon. Minister of Health

The Hon. Deputy Minister of Finance

The Chief Director, Ministry of Finance

The Director, RMERD, Ministry of Finance

The Commissioner-General, GRA

ASSESSED DOMESTIC TAXES FOR THE LOCAL/ON-SHORE COMPONENT OF THE INTEGRATED NATIONAL SECURITY COMMUNICATION ENHANCEMENT NETWORK PROJECT: PHASE II

CATEGORY	AMOUNT BEFORE TAX	GETFUND LEVY @ 2.5%	NHIL @ 2.5%	VAT BASE	VAT @ 12.5%	TOTAL DOMESTIC TAXES	
							US\$
A	SUBCONTRACT COST						
1.0	eLTE Coverage Extension	25,046,342.73	626,158.57	626,158.57	26,298,659.86	3,287,332.48	4,539,649.62
	Engineering Service for eLTE Core Network	5,356,789	133,919.73	133,919.73	5,624,628.45	703,078.56	970,918.01
	Site Survey and Design for LTE Site	4,468,278	111,706.95	111,706.95	4,691,691.90	586,461.49	809,875.39
	Engineering Service for eLTE Site Expansion	6,674,836	166,870.90	166,870.90	7,008,577.80	876,072.23	1,209,814.03
	Initial optimisation	485,756	12,143.90	12,143.90	510,043.80	63,755.48	88,043.28
	Engineering Service for Power System	3,599,986	89,999.65	89,999.65	3,779,985.30	472,498.16	652,497.46
	Engineering Service for Vehicle Mounted Terminal	4,460,698	111,517.44	111,517.44	4,683,732.61	585,466.58	808,501.46
2.0	ECC System Expansion	480,511.91	12,012.80	12,012.80	504,537.50	63,067.19	87,092.78
	Engineering Service for Multi ECC	259,634	6,490.85	6,490.85	272,615.70	34,076.96	47,058.66
	Engineering Service for Micro ECC	220,878	5,521.95	5,521.95	231,921.80	28,990.23	40,034.12
3.0	Data Centre Implementation	1,630,653.11	40,766.33	40,766.33	1,712,185.77	214,023.22	295,555.88
	Engineering Service for Agra Data Center Expansion	1,385,729	34,643.23	34,643.23	1,455,015.45	181,876.93	251,163.38
	Engineering Service for Kimsa Secondary Data Center	244,924	6,123.10	6,123.10	257,170.32	32,146.29	44,392.50
4.0	Intelligent Video Surveillance Platform & Sites Installation	13,072,727.30	326,818.18	326,818.18	13,726,363.66	1,715,795.46	2,369,431.82
	Engineering Service for Intelligent Video Surveillance Platform	832,434	20,810.85	20,810.85	874,055.70	109,256.96	150,878.66
	Engineering Service for Dome Camera & Box Camera	976,886	24,422.15	24,422.15	1,025,730.30	128,216.29	177,060.59
	Engineering Service for Solar Power Supply IVS Site	1,856,434	46,410.85	46,410.85	1,949,255.70	243,656.96	336,478.66
	Engineering Service for Utility Power Supply IVS Site	835,395	20,884.88	20,884.88	877,165.07	109,645.63	151,415.40
	Engineering Service for Colocation IVS Site	6,721,437	168,035.92	168,035.92	7,057,508.84	882,188.61	1,218,260.46
	Engineering Service for Campus IVS Sites	1,324,422	33,110.55	33,110.55	1,390,643.10	173,830.39	240,051.49
	Engineering Service for Reform of Existing IVS Site Hardware	457,854	11,446.35	11,446.35	480,746.70	60,093.34	82,986.04
	Engineering Service for Existing IVS Site Relocation	67,865	1,696.63	1,696.63	71,258.25	8,907.28	12,300.53
5.0	Metro Fiber Network Equipment Installation	14,019,239.37	350,480.98	350,480.98	14,720,201.34	1,840,025.17	2,540,987.14
	Civil Work for Regional Capital Metro Network	12,603,462	315,086.55	315,086.55	13,233,635.10	1,654,204.39	2,284,377.49
	Engineering Service for Fiber Network Equipment	984,720	24,618.00	24,618.00	1,033,956.00	129,244.50	178,480.50
	Network Management	431,057	10,776.43	10,776.43	452,610.24	56,576.28	78,129.15
6.0	Engineering Service for Develop Relevant Applications	516,942.97	12,923.57	12,923.57	542,790.12	67,848.77	93,695.91
	Engineering Service for Video Content Management System	284,657	7,116.43	7,116.43	298,889.85	37,361.23	51,594.08
	Engineering Service for Production System Storage Expansion	232,286	5,807.15	5,807.15	243,900.27	30,487.53	42,101.83
7.0	Towers and Materials and Sites Civil Works	562,894.81	14,072.37	14,072.37	591,039.55	73,879.94	102,024.68
	Medium Duty Tower and Materials (purchased locally)	238,138	5,953.45	5,953.45	250,044.90	31,255.61	43,162.51
	Civil Work for Greenfield Site (Medium Duty Tower)	192,786	4,819.65	4,819.65	202,425.30	25,303.16	34,942.46
	Civil Work for Greenfield Site (Colocation Tower - Existing)	131,971	3,299.27	3,299.27	138,569.35	17,321.17	23,919.71
8.0	2 Year Operation and Maintenance Service	8,983,891.95	224,597.30	224,597.30	9,433,086.55	1,179,135.82	1,628,330.42
	2 Year Operation and Maintenance Service	7,378,018	184,450.45	184,450.45	7,746,918.90	968,364.86	1,337,265.76
	Support O&M (Onsite) Year for 2 Year (over AM)	1,605,874	40,146.85	40,146.85	1,686,167.65	210,770.96	291,064.65
9.0	Engineering Service for ANPR System Platform expansion	1,136,451.77	28,411.29	28,411.29	1,193,274.36	149,159.29	205,981.88
	Engineering Service for ANPR System Platform Expansion	476,536	11,913.40	11,913.40	500,362.80	62,545.35	86,372.15
	Engineering Service for ANPR Site	659,916	16,497.89	16,497.89	692,911.56	86,613.94	119,609.73
10.0	Training School Building Renovation	1,756,890.00	43,922.25	43,922.25	1,844,734.50	230,591.81	318,436.31
11.0	Secondary Data Center Building Renovation	857,414.08	21,435.35	21,435.35	900,284.78	112,535.60	155,406.30
	SUBTOTAL	68,063,960.00	1,701,599.00	1,701,599.00	71,467,158.00	8,933,394.75	12,336,592.75

	CATEGORY	DETAILS	AMOUNT BEFORE TAX	GETFUND LEVY @ 2.5%	NHIL @ 2.5%	VAT BASE	VAT @ 12.5%	TOTAL DOMESTIC TAXES
			US\$	US\$	US\$	US\$	US\$	US\$
B	TRANSPORTATION COST							
1.0	Overall Project Management team	Vehicle renting cost for Project Director, Technical Director, Delivery Quality Assurance Engineers, 5 Regional Project Managers, Delivery Plan Control Managers	1,913,758	47,843.94	47,843.94	2,009,445.61	251,180.70	346,868.59
2.0	Subproject team for eLTE Part	Vehicle renting cost for Subproject team leader+4 Technical Engineers	399,550	4,988.76	4,988.76	209,527.95	26,190.99	36,168.51
3.0	Coordinator Labour for Microwave Part	Vehicle renting cost for Subproject team leader+2 Technical Engineers	103,719	2,592.98	2,592.98	108,904.95	13,613.12	18,799.07
4.0	Coordinator Labour for IVS Site Part	Vehicle renting cost for Subproject team leader+9 Technical Engineers	416,553	10,413.83	10,413.83	437,380.65	54,672.58	75,500.23
5.0	Coordinator Labour for ANPR Part	Vehicle renting cost for Subproject team leader+2 Technical Engineers	99,775	2,494.38	2,494.38	104,763.91	13,095.49	18,084.25
6.0	Coordinator Labour for ECC Part	Vehicle renting cost for Subproject team leader+3 Technical Engineers	147,394	3,684.85	3,684.85	154,763.70	19,345.46	26,715.16
7.0	Coordinator Labour for Data center Part	Vehicle renting cost for Subproject team leader+12 Technical Engineers	581,109	14,527.73	14,527.73	610,164.45	76,270.56	105,326.01
8.0	Coordinator Labour for Vehicle Mounted Terminal Part	Vehicle renting cost for Subproject team leader+6 Technical Engineers	273,205	6,830.14	6,830.14	286,865.71	35,858.21	49,518.49
		SUBTOTAL	3,735,063.73	93,376.59	93,376.59	3,921,816.92	490,227.11	676,980.30
		GRAND TOTAL (US\$)	71,799,023.73	1,794,975.59	1,794,975.59	75,388,974.92	9,423,621.86	13,013,573.05
		EXCHANGE RATE *	5.3201	5.3201	5.3201	5.3201	5.3201	5.3201
		GRAND TOTAL (GHC)	381,977,986.15	9,549,449.65	9,549,449.65	401,076,885.46	50,134,610.68	69,233,509.99
* The exchange rate used is the Bank of Ghana daily Inter bank Weighted Average Rate GHC 5.3201 to USD1 for Monday, October 7, 2019								

Labour Cost		Amount before tax
Category	Details	Total
Overall Project Management team	Project Director, Technical Director, Delivery Quality Assurance Engineers, 5 Regional Project Managers, Delivery Plan Control Managers	15,824,955
Subproject team for eLTE Part	Subproject team leader+4 Technical Engineers	1,643,223
Coordinator Labour for Microwave Part	Subproject team leader+2 Technical Engineers	785,082
Coordinator Labour for IVS Site Part	Subproject team leader+2 Technical Engineers	3,429,336
Coordinator Labour for ANPR Part	Subproject team leader+2 Technical Engineers	821,611
Coordinator Labour for ECC Part	Subproject team leader+3 Technical Engineers	1,214,556
Coordinator Labour for Data center Part	Subproject team leader+12 Technical Engineers	4,786,781
Coordinator Labour for Vehicle Mounted Terminal Part	Subproject team leader+6 Technical Engineers	2,251,309

Subcontract Cost		Amount before tax
Category	Qty	Total
eLTE Coverage Extension		25,046,343
Engineering Service for eLTE Core Network	1 set-overall	5,356,789
Site Survey and Design for LTE Site	1 set-overall	4,468,228
Engineering Service for eLTE Sites Expansion	1 set-overall	5,674,836
Initial optimization	1 set-overall	857,561
Engineering Service for Power System	1 set-overall	3,599,986
Engineering Service for Vehicle Mounted Terminal	1 set-overall	460,698
ECC System Expansion		480,512
Engineering Service for Mini ECC	6 sets	259,634
Engineering Service for Micro ECC	20 sets	220,878
Data Centre Implementation		1,630,653
Engineering Service for Accra Data Center Expansion	1 set	1,385,729
Engineering Service for Kumasi Secondary Data Center	1 set	244,924
Intelligent Video Surveillance Platform & Sites Installation		13,072,727
Engineering Service for Intelligent Video Surveillance Platform Extension	1 set-overall	832,434
Engineering Service for Dome Camera & Box Camera	8400 sets	1,076,886
Engineering Service for Solar Power Supply IVS Site	3000 sites	1,356,434
Engineering Service for Utility Power Supply IVS Site	1 set	835,395
Engineering Service for Colocation IVS Site	1 set	6,721,497
Engineering Service for Campus IVS Site	35 sites	1,524,322
Engineering Service for Reform of Existing IVS Site Batteries	1 set-overall	457,854
Engineering Service for Existing IVS Site Relocation	1 set-overall	67,865
Metro Fiber Network Equipment Installation		14,019,239
Civil Work for Regional Capital Metro Network	1 set-overall	2,603,462
Engineering Service for Fiber Network Equipment	1 set-overall	984,220
Network Management	1 set-overall	14,911,057
Engineering Service for Develop Relevant Applications		516,943
Engineering Service for Video Content Management System (VCM)	1 set-overall	284,657
Engineering Service for Production System Storage Extension	1 set-overall	232,286
Towers and Materials and Sites Civil Works		562,895
Medium Duty Tower and Materials-purchased locally	1 set-overall	7298,138
Civil Work for Greenfield Site (Medium Duty Tower)	1 set-overall	492,286
Civil Work for Greenfield Site (Colocation Tower+ Existing Power Source)	1 set-overall	13,197,111
2 Year Operation and Maintenance Service		8,983,892
2 Year Operation and Maintenance Service	1 set-overall	7378,018
Smart NOS (Once per Year for 2 Years After AC)	4 set-overall	1,605,874
Engineering Service for ANPR System Platform expansion		1,136,452
Engineering Service for ANPR System Platform Extension	1 set-overall	476,836
Engineering Service for ANPR Site	50 sites	559,016
Training School Building Renovation		1,756,890
Secondary Data Center Building Renovation		857,414

Transportation Cost		Amount before tax
Category	Details	Total
Overall Project Management team	Vehicle renting cost for Project Director, Technical Director, Delivery Quality Assurance Engineers, 5 Regional Project Managers, Delivery Plan Control Managers	1,913,758
Subproject team for eLTE Part	Vehicle renting cost for Subproject team leader+4 Technical Engineers	199,550
Coordinator Labour for Microwave Part	Vehicle renting cost for Subproject team leader+2 Technical Engineers	103,719
Coordinator Labour for IVS Site Part	Vehicle renting cost for Subproject team leader+9 Technical Engineers	416,553
Coordinator Labour for ANPR Part	Vehicle renting cost for Subproject team leader+2 Technical Engineers	99,775
Coordinator Labour for ECC Part	Vehicle renting cost for Subproject team leader+3 Technical Engineers	147,394
Coordinator Labour for Data center Part	Vehicle renting cost for Subproject team leader+12 Technical Engineers	581,109
Coordinator Labour for Vehicle Mounted Terminal Part	Vehicle renting cost for Subproject team leader+6 Technical Engineers	273,205