

PARLIAMENTARY MEMORANDUM

SUBMITTED BY:

**KEN OFORI-ATTA
(MINISTER FOR FINANCE)**

TITLE:

**REQUEST FOR APPROVAL FOR THE WAIVER OF CUSTOMS DUTIES
AND LEVIES ON PLANT, MACHINERY, MATERIALS AND EQUIPMENT
FOR THE EFFIA NKWANTA HOSPITAL AND CONSTRUCTION OF THE
REGIONAL HOSPITAL IN THE WESTERN REGION**

(GOG CONTRACT)

27TH OCTOBER 2022

PARLIAMENT OF GHANA LIBRARY

1. DECISION REQUIRED

Parliament is respectfully requested to consider and approve the waiver of Import duties, Import NHIL, Import GETFUND, Import VAT, EXIM levy, Covid-19 Recovery levy and Special Import Levy amounting to Ghana Cedi equivalent of Thirty Seven Million, Eight Hundred and Ninety-One Thousand, Three Hundred and Forty-One Euros (€37,891,341), on project plant, machinery, materials and, equipment for the Effia Nkwanta Hospital and construction of regional hospital in Western Region.

2.0 PARLIAMENTARY RESOLUTION

2.1 Parliament in 2020 approved:

- i A Commercial Contract of €190,000,000 between the Republic of Ghana, acting through the Ministry of Health and Amandi Investment Ltd for the rehabilitation of the Effia Nkwanta hospital and construction of a Regional Hospital in western region in the Republic of Ghana (Export Contract).**
- ii The Facility Agreement of up to €185,888,582 between the Republic of Ghana represented by its Ministry of Finance and Investec Corporate and Institutional Banking, as the Arranger and Agent and Other Financial Institutions as Original Lenders, with export credit guarantee support from Swedish Export Credit Agency ("EKN") and the Swedish Export Credit Corporation (SEK) to finance up to 85% the Export Contract value and 100% of the EKN insurance premium; and**
- iii The Facility Agreement of up to €28,500,000 between the Republic of Ghana represented by its Ministry of Finance and Investec Corporate and Institutional Banking, as the Arranger and Agent and Other Financial Institutions as Original Lenders, to finance 15% of the Export Contract value.**

3. BACKGROUND INFORMATION:

3.1 The Government recognizes that the health system in the country is critical for national development. The vision of the Government therefore is to see that the right to health of all Ghanaians is guaranteed through an established health sector with sustainable ability to deliver affordable, equitable and easily accessible healthcare. The thrust of the government's health policy is to bridge the gap in healthcare infrastructure as captured in the government's Coordinated Programme of Economic and Social Development Policies (2017-2024).

3.2 The Sustainable Development Goal (SDG3) also makes a bold commitment to end the epidemic of AIDS, Malaria, and other communicable disease by 2030. The aim is to achieve universal health coverage and provide access to safe and affordable medicines and vaccines for all. According to the President of the Republic of Ghana, in his address to the nation on 26th April 2020, re-emphasised that: "Universal Health Coverage must become reality for all Ghanaians, not a slogan, for every Ghanaian deserves good health and good healthcare."

3.3 In response to this, the Government of Ghana (GOG), through the Ministry of Health (MOH) intends to improve healthcare services delivery by expanding its infrastructure and improving access through the construction of various regional hospitals and also rehabilitate a number of neglected health facilities in the regions.

Regional Hospitals constitute an important component in the health care delivery system in Ghana. Regional Hospitals are required to be the centres of excellence and centres of general specialist care involving skills and competencies not available in district hospitals in the hierarchy of the healthcare system in Ghana. Healthcare delivery in regional hospitals requires more complex technologies and highly skilled workforce. It usually has a high concentration of resources, and it is relatively more expensive to run in comparison to district hospitals.

3.4 Unfortunately, the Effia Nkwanta Regional Hospital at Sekondi in the Western Region, which was built in the 1940s, have not seen any major rehabilitation over the past years. The geographical location of the hospital, its surrounding road network and commercial nature of the metropolis has made the hospital one of the busiest in the country as it serves surrounding towns and villages.

3.5 It is also the major referral point for all other clinics and hospitals for the western, western north regions and parts of central region but lacked modern facilities, equipment, and accommodation for critical staff, which hinder effective health care delivery.

3.6 It has been established that the current challenge of the Hospital are ill equipped and inadequate infrastructure to meet the health needs of the burgeoning population of the catchment area. As a key link in the health system of the Sekondi-Takoradi, as a port city, the hospital falls short of the required capacity and standards to make a real positive impact on health outcomes. This is evidenced by the poor quality of infrastructure, inadequate space, outdated buildings and medical equipment and inefficient functional flow. Besides, the Western Region lacks a modern functional regional hospital to serve the port city of Sekondi Takoradi and its environs. The Oil and Gas industry has also called for the establishment of modern regional hospital and a trauma centre.

3.7 The credit facility is meant to rehabilitate the Effia Nkwanta Hospital and construct a new functional modern Regional Hospital for the Western Region of Ghana. The Projects are strategically placed to serve the medical needs of its neighbouring communities and the regions at large.

3.8 The aim of the projects is to provide a health facility for both general medical services, specialised medical services, for both outpatient and inpatient care, the training for pre-service students, internship, and postgraduate medical training for all categories of health professional in all specialities and sub-specialties in the region.

4. JUSTIFICATION FOR TAX EXEMPTION

Sub-Clause 14.1 of the Commercial Contract Agreement places the burden for the payment of duties and taxes on the Employer.

5. TAX ASSESSMENT/FISCAL IMPACT

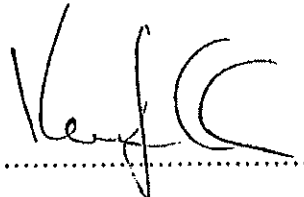
The Ghana Revenue Authority (GRA) has determined the quantum of duties and levies payable on plant, materials, and equipment to be procured under the project. Gross duties and levies per the GRA computation amounted to Thirty Seven Million, Eight Hundred and Ninety-One Thousand, Three Hundred and Forty-One Euros (€37,891,341). The breakdown is summarized below:

**Summary of Tax Exemption-Effia Nkwanta Hospital and
construction of the Regional Hospital in W/R**

Import tax type	Agona Eur	Effia Nkwanta Eur	Grand total Eur
Import Duty	8,196,711	8,655,181	
NHIL/ GETFUND	2,357,116	2,248,060	
Import VAT	6,187,429	5,901,156	
EXIM Levy	461,373	513,736	
SIL	899,873	1,002,043	
Covid-19 R Levy	697,131	771,533	
Total	18,799,633	19,091,708	37,891,341

6. CONCLUSION

Considering the immense socio-economic benefits to be derived from this project, Parliament is respectfully requested to consider and approve the tax waivers on materials, and equipment for the project.



KEN OFORI-ATTA
(MINISTER FOR FINANCE)

Attachment

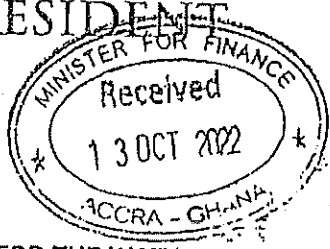
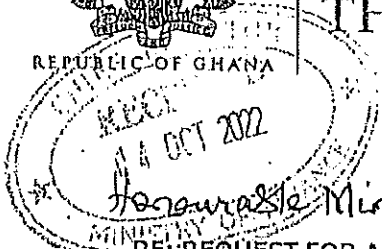
1. Executive decision
2. Parliamentary Resolution
3. Tax Assessment
4. Relevant session of the commercial agreement

EXECUTIVE DECISION



OFFICE OF THE PRESIDENT

Jubilee House, Accra
Tel: +233 (0) 302 738 600
Tel: +233 (0) 302 738 601
Digital Address : GA-000-0288



Ref. No. ES/182/22/1012
12th October, 2022

RE: REQUEST FOR APPROVAL FOR THE WAIVER OF CUSTOMS DUTIES AND LEVIES ON MATERIALS AND EQUIPMENT AND WORKS/SERVICES FOR THE EFFIA NKWANTA HOSPITAL AND CONSTRUCTION OF THE REGIONAL HOSPITAL IN THE WESTERN REGION

I refer to your letter dated 9th September, 2022 with reference number MoF/TPU/ED/MOH-EFFIA/022/1 in respect of the above subject matter.

The President has granted approval for the waiver of import duties, import VAT, import NHIL, GETFund levy, Exim levy, Special Import levy and COVID-19 Recovery Levy amounting to the Ghana Cedi equivalent of Thirty-Seven Million, Eight Hundred and Ninety-One Thousand, Three Hundred and Forty-One Euros (€37,891,341.00), on project plant, machinery, materials and equipment for the Effia Nkwanta Hospital and construction of a regional hospital in Western Region.

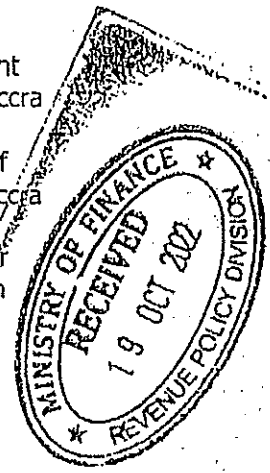
I shall be grateful if you could take requisite action on the above.

For: SECRETARY TO THE PRESIDENT
MERCY DEBRAH-KARIKARI
SECRETARY TO THE CABINET

✓
THE HON. MINISTER
MINISTRY OF FINANCE
ACCRA

ATTN: MR. KEN OFORI-ATTA

- Cc: The Vice President
Jubilee House, Accra
- The Chief of Staff
Jubilee House, Accra
- The Hon. Minister
Ministry of Health
Accra



PARLIAMENTARY RESOLUTION



PARLIAMENTARY SERVICE

Parliament House - Accra (Ghana)

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

My Ref No.

PS/CS/80/64

Your Ref

Telephone Nos. 0302 633 030

0302 664 530

0302 664 042

E-mail: clerk@parliament.gh

Website: www.parliament.gh

11th Nov 2020

THE HON. MINISTER,
MINISTRY OF FINANCE,
ACCRA.

Hon. Minister,

**TERM LOAN FACILITY AGREEMENT BETWEEN THE GOVERNMENT OF THE
REPUBLIC OF GHANA (REPRESENTED BY THE MINISTRY OF FINANCE)
AND INVESTEC CORPORATE AND INSTITUTIONAL BANKING (A DIVISION
OF INVESTEC BANK LIMITED) FOR AN AMOUNT OF ONE HUNDRED AND
EIGHTY-FIVE MILLION, EIGHT HUNDRED AND EIGHTY-EIGHT
THOUSAND, FIVE HUNDRED AND EIGHTY-TWO EUROS (€185,888,582.00
[INCLUDING EKN PREMIUM]) TO FINANCE THE REHABILITATION OF THE
EFFIA NKWANTA HOSPITAL AND CONSTRUCTION OF A REGIONAL
HOSPITAL IN THE WESTERN REGION OF THE REPUBLIC OF GHANA**

Parliament at its Twenty-Third Sitting of the Third Meeting held on Saturday, 7th November, 2020 approved by resolution, the Term Loan Facility Agreement between the Government of the Republic of Ghana (represented by the Ministry of Finance) and Investec Corporate and Institutional Banking (a division of Investec Bank Limited) for an amount of One Hundred and Eighty-Five Million, Eight Hundred and Eighty-Eight Thousand, Five Hundred and Eighty-Two Euros (€185,888,582.00 [including EKN Premium]) to finance the Rehabilitation of the Effia Nkwanta Hospital and Construction of a Regional Hospital in the Western Region of the Republic of Ghana.

I am directed to forward to you the text of the Resolution as follows:

WHEREAS

1. By the provisions of Article 181 of the Constitution and Sections 55 and 56 of the Public Financial Management Act, 2016 (Act 921), the terms and conditions of all government borrowings shall be laid before Parliament and shall not come into operation unless the terms and conditions are approved by a resolution of Parliament in accordance with article 181 of the Constitution;
2. Pursuant to the provisions of the said Article 181 of the Constitution and Sections 55 and 56 of the Public Financial Management Act, 2016 (Act 921), at the request of the Government of the Republic Ghana acting through the Minister responsible for Finance, there has been

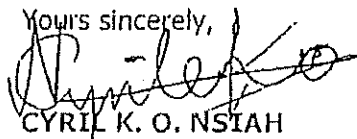
laid before Parliament a Facility Agreement between the Government of the Republic of Ghana (represented by the Ministry of Finance) and Investec Corporate and Institutional Banking (a division of Investec Bank Limited) for an amount of One Hundred and Eighty-Five Million, Eight Hundred and Eighty-Eight Thousand, Five Hundred and Eighty-Two Euros (€185,888,582.00 [including EKN Premium]) to finance the Rehabilitation of the Effia Nkwanta Hospital and Construction of a Regional Hospital in the Western Region of the Republic of Ghana.

THIS HONOURABLE HOUSE HEREBY RESOLVES AS FOLLOWS:

In accordance with the provisions of the said Article 181 of the Constitution and Sections 55 and 56 of the Public Financial Management Act, 2016 (Act 921), this House approves, by resolution, the Facility Agreement between the Government of the Republic of Ghana (represented by the Ministry of Finance) and Investec Corporate and Institutional Banking (a division of Investec Bank Limited) for an amount of One Hundred and Eighty-Five Million, Eight Hundred and Eighty-Eight Thousand, Five Hundred and Eighty-Two Euros (€185,888,582.00 [including EKN Premium]) to finance the Rehabilitation of the Effia Nkwanta Hospital and Construction of a Regional Hospital in the Western Region of the Republic of Ghana.

The Resolution is respectfully submitted for your appropriate action.

Yours sincerely,

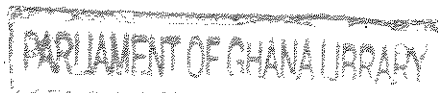


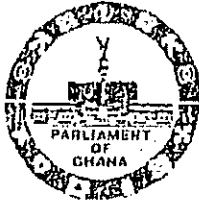
CYRIL K. O. NSIAH
Clerk to Parliament

Cc: Hon. Minister for Parliamentary Affairs.

Hon. Attorney-General and Minister for Justice.

Hon. Minister for Health.





PARLIAMENTARY SERVICE

Parliament House - Accra (Ghana)

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Website: www.parliament.gh

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

My Ref. No.

PS/CS/80/65

Your Ref. No.

11th November, 20

THE HON. MINISTER,
MINISTRY OF FINANCE,
ACCRA.

Hon. Minister,

TERM LOAN FACILITY AGREEMENT BETWEEN THE GOVERNMENT OF THE
REPUBLIC OF GHANA (REPRESENTED BY THE MINISTRY OF FINANCE)
AND INVESTEC CORPORATE AND INSTITUTIONAL BANKING (A DIVISION
OF INVESTEC BANK LIMITED) FOR AN AMOUNT OF TWENTY-EIGHT
MILLION, FIVE HUNDRED THOUSAND EUROS (€28,500,000.00) TO
FINANCE THE REHABILITATION OF THE EFFIA NKWANTA HOSPITAL AND
CONSTRUCTION OF A REGIONAL HOSPITAL IN THE WESTERN REGION OF
THE REPUBLIC OF GHANA

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2. Pursuant to the provisions of the said Article 181 of the Constitution and Sections 55 and 56 of the Public Financial Management Act, 2016 (Act 921), at the request of the Government of the Republic Ghana acting through the Minister responsible for Finance, there has been laid before Parliament a Term Loan Facility Agreement between the Government of the Republic of Ghana (represented by the Ministry of Finance) and Investec Corporate and Institutional Banking (a division

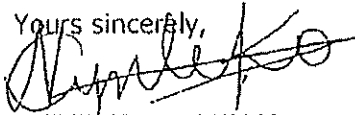
of Investec Bank Limited) for an amount of Twenty-Eight Million, Five Hundred Thousand Euros (€28,500,000.00) to finance the Rehabilitation of the Effia Nkwanta Hospital and Construction of a Regional Hospital in the Western Region of the Republic of Ghana.

THIS HONOURABLE HOUSE HEREBY RESOLVES AS FOLLOWS:

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The Resolution is respectfully submitted for your appropriate action.

Yours sincerely,



CYRIL K. O. NSIAH
Clerk to Parliament

Cc: Hon. Minister for Parliamentary Affairs.

Hon. Attorney-General and Minister for Justice.

Hon. Minister for Health.



RELEVANT SESSION OF THE COMMERCIAL AGREEMENT

DEPARTMENT OF QUANTITY SURVEYING

Engineering, Procurement and Construction Agreement

BETWEEN

THE GOVERNMENT OF GHANA
(MINISTRY OF HEALTH)
P. O. BOX M44, ACCRA, GHANA

"Employer"

AND

AMANDI INVESTMENT LIMITED,
40 THEMISTOKLI DERVI, FLOOR 1
1066 NICOSIA, CYPRUS

"Contractor"

FOR THE

THE REHABILITATION AND REMODEL OF THE EFFIA
NKWANTA HOSPITAL AND THE CONSTRUCTION OF
A NEW 250-BED MODERN REGIONAL HOSPITAL IN
WESTERN HOSPITAL

....., 2020



110 *Waleto*

CONTRACT AGREEMENT

This Agreement is made this _____ day of _____ in the year 2020

BETWEEN THE GOVERNMENT OF GHANA acting through the MINISTRY OF HEALTH of P.O. BOX M44, MINISTRIES ACCRA, GHANA (hereinafter called "the Employer") of the one part and AMANDI INVESTMENT LIMITED Of 40 THEMISTOKLI DERVI, FLOOR 1, 1066 NICOSIA, CYPRUS, (hereinafter called "the Contractor") of the other part

WHEREAS:

- A. The Employer desires to Rehabilitate and Remodel the Effia Nkwanta Hospital and Construct a New 250-bed Regional Hospital in the Western Region (hereinafter referred to as "the Project")
- B. The Contractor agrees and has shown evidence of his expertise and ability to undertake the Rehabilitation and equipping of the Effia Nkwanta Hospital and the Design, Construction and Equipping of a New Regional Hospital in Western Region.
- C. The Employer has accepted the proposal by the Contractor for the execution and completion of these Works to the standards and specifications as set out in the Employer's requirements as well as remedying of any defects arising out of the execution of the Works

NOW, THEREFORE, in consideration of the mutual understandings contained herein, the Employer and the Contractor (the Parties) agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement with following order of priority and precedence:
 - a. Minutes of Value for Money (VFM) Negotiation meetings signed by both Parties
 - b. Contract Agreement, General Conditions of Contract (FIDIC 2017 Second Edition, Silver Book) and Particular Conditions of Contract
 - c. The Employer's Requirements
 - d. The Contractor's Proposal (including Schedules)
 - i. Architectural designs
 - ii. Architectural Space Programme
 - iii. Detail Building & Material Specifications
 - iv. Room type contents - Fixed Furniture & Equipment Layout and Data Sheets
 - v. Medical Equipment - list, codes, specifications, brands, and quantities, RBR list etc
 - vi. Non-Medical Equipment - list, codes, specifications, brands, quantities, RBR list etc
 - vii. Works Programme /Time schedule
 - viii. Contract Price and Price breakdown
 - ix. Payment Schedule
 - x. Bills of Quantities (SMM7 FORMAT)
 - xi. Profile of Contractor
 - xii. Training and Maintenance Plan
 - xiii. Guarantees and Bonds Any other documents as may be agreed

between the Parties

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to design, execute and complete the Works and remedy any defects therein in conformity with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the design, execution and completion of the Works and the remedying of defects therein, the final Contract Price of One Hundred and Ninety Million, Five Hundred Thousand Euros (€190,000,000.00) at the times and in the manner prescribed by the Contract.
5. The Contract shall come into force and effect on the date when the following conditions are satisfied:
 - a. This agreement has been signed between the Employer and the Contractor.
 - b. This Contract has been approved by relevant authorities of the Republic of Ghana
 - c. Financing agreement has been signed with Investec Corporate and Institutional Banking, a Division of Investec Bank Limited and come into force
 - d. Successful completion of "Value for Money assessment of the Project Contract terms by the Ministry of Finance "
 - e. This agreement has been approved by the Parliament of the Republic of Ghana.
 - f. The Employer has received and accepted all guarantees

In witness whereof the parties hereto have caused this Agreement to be executed the day and year first before written in accordance with their respective laws.

For and on behalf of the Employer
MINISTRY OF HEALTH

For and on behalf of the Contractor
AMANDI INVESTMENT LIMITED

NAME: Kwaku Hagan-Muone

NAME: Nadar Simhoni

SIGNATURE: [Signature]

SIGNATURE: [Signature]

TITLE: Minister for Health

TITLE: Managing Director



In the Presence of:
CHIEF DIRECTOR
MINISTRY OF HEALTH

In the Presence of:

NAME: Kwaku Hagan-Muone
~~AG CHIEF DIRECTOR~~

NAME: Idan Strulovich

SIGNATURE: [Signature]

SIGNATURE: [Signature]

DATE: _____

DATE: 23-Nov-2020

4

TAX ASSESSMENT

EFFIA NKWANTA HOSPITAL AND THE CONSTRUCTION OF A NEW MODERN HOSPITAL IN THE WESTERN REGION

Description	unit	Qty	CIF (EURO)	I/D Rate	Imp. Duty	Nhit/ 5% Gfund	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	COVID Levy 1%
PVC pipes - different diameters	m	975	41,438	20%	8288	2486	6526	311	829	497
Sewage Treatment Plant	No.	1	247,920	5%	12396	0	0	1859	0	2603
steel fence	m	200	50,000	20%	10000	3000	7875	375	1000	600
Double swing gate	No.	4	13,600	20%	2720	816	2142	102	272	163
Electrically-operated overhead road barrier	No.	5	15,300	5%	765	0	0	115	306	161
Copper Cables	m	1,550	33,728	20%	6746	2024	5312	253	0	405
U-PVC	m	1,550	21,080	20%	4216	1265	3320	158	422	551
Road and guide signs	pkg	1	10,000	20%	2000	600	1575	75	200	120
Arm Street Lighting Pole	No.	29	189,573	20%	37715	11314	29700	1414	3771	2263
balustrade	m	500	148,750	20%	29750	8925	23428	1116	2975	1785
Rainwater					0	0	0	0	0	0
Rainwater drain, inside building (PE, 40 - 160 mm, incl. fittings)	m	1,000	50,000	20%	10000	3000	7875	375	1000	600
Roof discharge	unit	25	6,250	20%	1250	375	984	47	125	75
Rain water drain facade technical rooms (PE, 110 mm, incl. fittings)	unit	10	800	20%	160	48	126	6	16	10
Sewage water					0	0	0	0	0	0
Sewage pump, average 25 m3/h	unit	4	38,000	5%	1900	1995	5237	285	760	399
Sewage for showers, sinks & condensation water (PE 15 - 300 mm, incl. fittings)	m	400	24,000	20%	4800	1440	3780	180	480	288
Sewage for toilet laboratories(PE 50 - 300 mm, incl. fittings)	m	600	72,000	20%	14400	4320	11340	540	1440	864
Sewage kitchen & central sterilisation (cast iron 75 - 160 mm, incl. fittings)	m									
Kitchen grease separator	unit	1	6,000	20%	1200	360	945	45	120	72
Waste water treatment - septic tank	unit	1	100,000	20%	20000	6000	15750	750	2000	1200
pipe for Connection Sanitary units (PE, 50 - 110 mm)	m	6,500	123,500	20%	24700	7410	19451	926	2470	1482

mm)	m	6,000	80,000	20%	12,000	500	5,450	450	12,000	1,200	22
pipe for Connection AHU's (PE, 75 mm)	m	150	1,800	20%	360	108	284	14	36		
Connection kitchen & central sterilisation (cast iron 50 - 150 mm)	m	250	7,500	20%	1,500	450	1,181	56	150		90
water					0	0	0	0	0		0
Water filtration system (sand, carbon and/or de-ioning, t.b.d.)	unit	1	150,000	5%	7,500	7,875	20,672	1,125	0	15,75	
Pressure distribution pumps (set of 3 pumps, ca. 15 m ³ /h)	unit	2	10,000	5%	500	525	1,378	75	0	105	
Multi layer Potable water piping (15 - 80 mm, incl. fittings & insulation)	m	2,500	37,500	5%	1,875	1,969	5,168	281	750	39...	
Circulation pump set (2 pumps)	unit	3	13,500	5%	675	709	1,860	101	270	142	
Service water (process water for laboratory)					0	0	0	0	0	0	
Process water piping (copper 15 - 50 mm)	m	350	12,250	20%	2,450	735	1,929	92	245	147	
Connections multi layer piping (15 - 40 mm)	m	130	1,950	20%	390	117	307	15	39	23	
Local hot process water heater	unit	10	4,000	20%	800	240	630	30	80	48	
Local water treatment				20%	0	0	0	0	0	0	
Water softener system - complete unit (appr. 5 m ³ /h)	unit	2	4,000	20%	800	240	630	30	80	48	
Softened water piping (PP, 15 - 32 mm, incl. fittings)	m	250	2,500	20%	500	150	394	19	50	30	
Purified water system - complete unit (appr. 5 m ³ /h)	unit	1	5,000	20%	1,000	300	788	38	100	60	
Purified water piping (PP, 15 - 32 mm, incl. fittings)	m	300	3,000	20%	600	180	473	23	60	36	
Medical gasses					0	0	0	0	0	0	
Breathing air					0	0	0	0	0	0	
Compressed air unit (oil free) - complete unit	unit	3	75,000	20%	15,000	4,500	11,813	563	1500	900	
Overall control unit	unit	1	5,000	20%	1,000	300	788	38	100	60	
Compressed air tank (55, 500 l, PN10)	unit	2	6,000	20%	1,200	360	945	45	120	72	

filtration and reduce valve	unit	2		20,000	20%		4000	1200	3150	150	0	240
Breathing air piping (copper, 10 - 32 mm, incl. fittings)	m	400		16,000	20%		3200	960	2520	120	320	192
Connection points medical (copper, 10 - 15 mm,)	m	5,600		140,000	20%		28000	8400	22050	1050	2800	1680
Connection points technical (copper, 10 - 20 mm)	m	250		7,000	20%		1400	420	1103	53	140	84
Pressure monitoring and alarming	unit	20		7,000	5%		350	368	965	53	140	74
Vacuum system							0	0	0	0	0	0
Vacuum pump unit (3 pumps) - complete unit	unit	1		30,000	5%		1500	1575	4134	225	0	315
Vacuum tank (55, 500 l, PN10)	unit	1		3,000	20%		600	180	473	23	60	36
Vacuum piping (copper, 15 - 65 mm incl. fittings)	m	400		16,000	20%		3200	960	2520	120	320	192
Connection points medical (copper, 10 - 25 mm incl. 10 m piping & fittings)	m	296		8,288	20%		1658	497	1305	62	166	99
Connection points technical (copper, 10 - 25 mm)	m	10		280	20%		56	17	44	2	6	3
Pressure monitoring and alarming	unit	20		7,000	5%		350	368	965	53	140	74
O2							0	0	0	0	0	0
Liquid oxygen tank - terrain	unit	1		5,000	20%		1000	300	788	38	100	60
Gas oxygen cylinder battery	unit	2		12,000	20%		2400	720	1890	90	240	144
Switching unit	unit	2		8,000	20%		1600	480	1260	60	160	96
Oxygen piping (copper, 15 - 50 mm, incl. fittings)	m	400		14,000	20%		2800	840	2205	105	280	168
Connection points medical (copper, 10 - 25 mm)	unit	5,700		159,600	20%		31920	9576	25137	1197	3192	1915
Pressure monitoring and alarming	unit	20		7,000	5%		350	368	965	53	0	74
N2O							0	0	0	0	0	0
Gas cylinder battery	unit	2		12,000	20%		2400	720	1890	90	0	144
Switching unit	unit	1		4,000	20%		800	240	630	30	80	48
Nitrous oxide piping (copper, 15 - 32 mm, incl. fittings, ISO 7396)	m	120		4,800	20%		960	288	756	36	96	58
Connection points medical (copper, 10 - 25 mm,s)	m	220		6,160	20%		1232	370	970	46	123	74

Pressure monitoring and alarming	unit	6	2,100	5%	105	110	289	10	0	0	0
CO2	unit	2	12,000	20%	0	720	0	0	0	0	0
Gas cylinder battery	unit	1	4,000	20%	800	240	630	30	0	0	144
Switching unit	unit	1	4,000	20%	800	240	630	30	0	0	48
Carbon dioxide piping (copper, 15 - 32 mm, incl. fittings)	m	120	4,800	20%	960	288	756	36	96	96	58
Connection points medical (copper, 10 - 25 mm)	unit	20	560	20%	112	34	88	4	11	11	7
Pressure monitoring and alarming	unit	6	2,100	5%	105	110	289	16	0	0	22
Pressure surveillance	unit	0	0	0%	0	0	0	0	0	0	0
Valve box various departments incl. signalling	unit	20	50,000	20%	10000	3000	7875	375	1000	1000	600
Sanitary units	unit	0	0	0%	0	0	0	0	0	0	0
Toilet (incl. connection, accessory and fittings)	unit	250	37,500	20%	7500	2250	5906	281	750	750	450
Urinal (incl. connection, accessory and fittings)	unit	22	3,300	20%	660	198	520	25	66	66	40
Wash basin (incl. connection, accessory and fittings)	unit	338	33,800	20%	6760	2028	5324	254	676	676	406
Sink (incl. connection, accessory and fittings)	unit	19	1,900	20%	380	114	299	14	38	38	23
Counter sink (incl. connection, accessory and fittings)	unit	188	18,800	20%	3760	1128	2961	141	376	376	226
Shower (incl. connection, accessory and fittings)	unit	125	16,250	20%	3250	975	2559	122	325	325	195
Emergency shower (incl. connection, accessory and fittings)	unit	2	1,000	20%	200	60	158	8	20	20	12
Eye shower (incl. connection, accessory and fittings)	unit	2	1,000	20%	200	60	158	8	20	20	12
Small sink (incl. connection, accessory and fittings)	unit	56	5,600	20%	1120	336	882	42	112	112	67
Tap (incl. connection, accessory and fittings)	unit	20	4,000	20%	800	240	630	30	80	80	45
Stainless steel sink OT (incl. connection, accessory and fittings)	unit	3	1,200	20%	240	72	189	9	24	24	14

Coating (Ziper rich epoxy, epoxy rich coat, Polyurethane topcoat or similar)	kg	200,000	163,200	20%	32640	9792	25704	1224	3264	1958
Cold formed galvanised steel / sandwich panel roof elements	m ²	1,650	314,160	20%	62832	18850	49480	2356	6283	3770
Foam board	m ²	600	17,850	20%	3570	1071	2811	134	357	214
Galvanised steel chequerplate hatches	nr	9	28,800	20%	5760	1728	4536	216	576	346
Stainless steel ladders	nr	8	9,792	20%	1958	588	1542	73	196	118
Galvanised steel stairs	nr	1	3,536	20%	707	212	557	27	71	42
Composite roofing membrane/HDPE roof outlets	nr	60	15,810	20%	3162	949	2490	119	316	190
Roof system of two layers of 4mm thick SBS modified bitumen roofing membrane; top layer c/w aggregate coating at upstands	m ²	500	14,450	20%	2890	867	2276	108	289	173
Extruded polystyrene tapered thermal insulation boards	m ²	8,220	221,940	20%	44388	13316	34956	1665	4439	2663
aluminium foil coating	m ²	8,220	221,940	20%	44388	13316	34956	1665	4439	2663
Aluminium coping	m	1,380	99,705	20%	19941	5982	15704	748	1994	1190
insulated profiled steel sandwich panels (Kingspan) with pvdf coating system	m ²	2,320	100,572	20%	20114	6034	15840	754	2011	1207
Structural steel girts; incl: pressed steel gutters and profiles, stainless steel fixings and foam joint filler	m ²	2,320	100,572	20%	20114	6034	15840	754	2011	1207
Aluminium faced composite panels (Alucobond) with pvdf coating system in RAL colour; screw-fixed to steel frame members; incl: steel frame members, stainless steel fixings etc	m ²	1,655	562,700	20%	112540	33762	88625	4220	11254	6752
High tensile steel section framework for Façade system	m ²	13,605	959,833	20%	191967	57990	151174	7199	19197	11518
External plastered panels of exterior grade incl: accessories for plaster works	m ²	8,160	326,400	20%	65280	19584	51408	2448	6528	3917

Extruded ceramic panels between windows	m ²	1,620	252,720	20%	50544	15163	39803	1893	3024	3024
Insulated profiled steel sandwich panels (Kingspan) with pvdf coating	m ²	1,300	140,888	20%	28178	8453	22190	1057	2818	1691
Steel Double doors for facade cladding	nr	14	8,330	20%	1666	500	1312	62	167	100
steel air grilles and profiles for intake, exhaust or structural columns	m ²	190	33,915	20%	6783	2035	5342	254	678	407
Aluminium frames with glass units, different sizes (average price per unit)	nr	935	2,244,000	20%	448800	134640	353430	16830	44880	26928
External Steel Doors - electrically operated	nr	1	14,939	20%	2988	896	2353	112	299	179
Internal Door Sets - different sizes	nr	933	559,800	20%	111960	33588	88169	4199	11196	6718
Door closer	nr	375	66,938	20%	13388	4016	10543	502	1339	803
Electronic double door restraint c/w fire alarm release switch	nr	40	5,260	20%	1052	316	828	39	105	63
Internal Aluminium Windows and Frames - different sizes	nr	180	414,000	20%	82800	24840	65205	3105	8280	4968
Internal Steel Doors and Frames - different sizes	nr	22	21,780	20%	4356	1307	3430	163	436	261
Mirrors	nr	18	4,896	20%	979	294	771	37	98	59
Galvanised steel strip ladder 2900 mm height	nr	8	10,000	20%	2000	600	1575	75	200	120
Galvanised steel access hatch 1000x1000 mm incl. upstand	nr	8	4,420	20%	884	265	696	33	88	53
Steel sunshade grilles	m ²	360	110,160	20%	22032	6510	17350	826	2203	1322
External galvanised steel staircase incl. balustrades and half landings; all fixings galv. Steel	nr	1	43,350	20%	8670	2601	6828	325	867	520
Stainless steel / glass balustrade and handrails	m ²	420	185,640	20%	37128	11138	29238	1392	3713	2228
expansion joints	m	700	107,100	20%	21420	6426	16868	803	2142	1285
HDPE pipe	m	975	29,250	20%	5850	1755	4607	219	585	351
steel brackets and fixings	nr	40	400	20%	80	24	63	3	8	5

Stainless steel mesh basket; incl. handle for removal to clean	nr	60	6,375	20%	1275	383	1004	48	128	77
overflow pipes	nr	12	3,427	20%	685	206	540	26	69	41
WBP plywood with batten support system	m²	100	9,690	20%	1938	581	1526	73	194	116
Plastic laminated finished lining	m²	10	500	20%	100	30	79	4	10	6
HPL facing	m²	10	500	20%	100	30	79	4	10	6
WBP plywood with batten support system	m²	10	969	20%	194	58	153	7	19	12
Wood veneered panels materials	m²	220	36,465	20%	7293	2188	5743	273	729	438
Aluminium panels 300 mm wide	m²	940	95,081	20%	19016	5705	14975	713	1902	1141
Steel panel 600x600 mm; RAL 9010; anti-microbial coating	m²	3,785	328,160	20%	65632	19690	51685	2461	6563	3938
Acoustic mineral fibre tiles	m²	16,325	437,102	20%	87420	26226	68844	3278	8742	5245
Wooden acoustic baffles	m²	400	217,600	20%	43520	13056	34272	1632	4352	2611
Acoustic wood wool cement panels 1200x600 mm	m²	600	43,350	20%	8670	2601	6828	325	867	520
Internal base coat cement plaster for walls	m²	2,400	31,824	20%	6365	1909	5012	239	636	382
Granite or composite stone finishes	m²	4,620	392,700	20%	78540	23562	61850	2945	7854	4712
Sheet membrane	m²	17,165	1,079,679	20%	215936	64781	170049	8098	21594	12956
paint and coating	m²	45,000	688,500	20%	137700	41310	108439	5164	13770	8282
Internal Wall Partitions	m²	29,310	1,056,194	20%	219239	65772	172651	8221	21924	13154
WC Unit	nr	260	52,000	20%	10400	3120	8190	390	1040	624
Shower unit	nr	180	87,822	20%	17564	5269	13832	659	1756	1054
Sink unit	nr	180	48,195	20%	9639	2892	7591	361	964	578
double sink unit	nr	13	5,569	20%	1114	334	877	42	111	67
scrub-up trough unit	nr	10	7,140	20%	1428	428	1125	54	143	86
Sanitary Accessories Stainless Steel set including soap dispenser, hand dryer, paper holder, coat hook and paper towel dispenser	nr	260	68,842	20%	13768	4130	10843	516	1377	826
marble for coping	package	1	154,300	20%	30860	9258	24302	1157	3086	1852
wood coating	package	1	19,700	20%	3940	1182	3103	148	394	236
glue for furniture manufacturing	package	1	49,200	20%	9840	2952	7749	369	984	590

self illuminated sign	nr	50	7,076	20%	1415	425	1115	53	142	85
sign	nr	750	77,456	20%	15491	4647	12199	581	1549	929
signage system including accessories	Sum	1	18,250	20%	3650	1095	2874	137	365	219
Composite roofing membrane/HDPE roof outlets	nr	8	2,108	20%	422	126	332	16	42	25
Extruded polystyrene tapered thermal insulation boards	m ²	566	15,282	20%	3056	917	2407	115	306	183
aluminum foil coating	m ²	566	15,282	20%	3056	917	2407	115	306	183
Aluminum coping	m	80	5,780	20%	1156	347	910	43	116	69
steel doors including frames and accessories	nr	13	12,870	20%	2574	772	2027	97	257	154
Internal Door Sets - different sizes incl. accessories	nr	12	7,200	20%	1440	432	1134	54	144	86
Galvanised steel strip ladder 5500 mm height	nr	1	2,250	20%	450	135	354	17	45	27
Galvanized steel access hatch 1000x1000 mm incl. upstand	nr	1	553	20%	111	33	87	4	11	7
Galvanized steel mesh partition	nr	1	1,775	20%	355	106	280	13	35	21
Galvanized steel chequerplate	m	60	7,191	20%	1438	431	1133	54	144	86
Acoustic mineral fibre tiles	m ²	100	2,678	20%	536	161	422	20	54	32
Internal base coat cement plaster for walls	m ²	500	6,630	20%	1326	398	1044	50	133	80
paint and coating	m ²	250	3,825	20%	765	230	602	29	77	46
Wooden acoustic baffles	m ²	400	217,600	20%	43520	13056	34272	1632	4352	2611
Acoustic wood wool cement panels 1200x600 mm	m ²	600	43,350	20%	8670	2601	6828	325	867	520
AC Valves	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
VRV or Chillers based AC Daikin or equivalent Equipment	package	1	1,500,000	20%	300000	90000	236250	11250	30000	18000
AC Supports	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
Fans	package	1	25,650	20%	5130	1539	4040	192	513	308
Distribution elements	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
MCC	package	1	65,000	20%	13000	3900	10238	488	1300	780
AC Pipes	package	1	325,000	20%	65000	19500	51188	2438	6500	3900
BMS equipment for AC	package	1	150,000	20%	30000	9000	23625	1125	0	1800
BMS Cables + Installation	package	1	36,000	20%	7200	2160	5670	270	0	432
Pumps	package	1	36,000	5%	1800	1890	4961	270	0	378
Expansion Tank	package	1	3,600	20%	720	216	567	27	72	43

condensing units for Operating theatres	nr	8	157,600	20%	31520	9456	24822	1182	0	1891
Air Handling unit for Operating theatres	nr	8	286,400	20%	57280	17184	45108	2148	0	3437
insulate refrigerant pipes fittings and accessories, pipe supports, brackets and hangers	m	9,000	240,975	20%	48195	14459	37954	1807	0	2892
indoor units drain incl. termination points, PVC pipes, fittings and accessories	m	4,000	66,640	20%	13328	3998	10496	500	1333	800
Duct incl. necessary accessories	m2	15,000	270,000	20%	54000	16200	42525	2025	5400	3740
air curtain	nr	7	1,583	20%	317	95	249	12	32	19
volume control dampers	nr	300	99,960	20%	19992	5998	15744	750	1999	1200
Sundry installation materials including brackets, flanges, rivets, gaskets, bolts, nuts, washers	sum	1	25,000	20%	5000	1500	3938	188	500	300
fire dumpers	nr	92	44,887	20%	8977	2693	7070	337	898	539
electric cabling for Air Conditioning	Sum	1	70,000	20%	14000	4200	11025	525	0	840
Toilets exhaust fans / kitchen ventilation	Sum	1	63,750	20%	12750	3825	10041	478	0	765
Smoke extraction from floor and stairs cases axial fans, Staircase Pressurization – blowers to create positive pressure in emergency escape route (fire rated)	Sum	1	107,100	20%	21420	6426	16868	803	0	1285
HV panel incl. cabling and accessories	nr	1	40,000	20%	8000	2400	6300	300	0	450
Power transformer	nr	2	180,000	5%	9000	9450	24806	1350	0	1890
Emergency power generator 1500 kVA (N+1) - complete unit	unit	3	1,036,800	5%	51840	54432	142884	7776	0	10886
Electrical cable 2500A + accessories	m	35	26,250	20%	5250	1575	4134	197	0	315
Accessories and materials for fuel tank	unit	4	162,000	20%	32400	9720	25515	1215	0	1944
Synchronization panel	unit	1	33,750	20%	6750	2025	5316	253	0	405

Low voltage cabling YM21K B2ca 5 x 6	m	35	368	20%	74	0	0	0	0
Low voltage cabling connections	unit	2	40	20%	8	2	6	0	0
YM21K B2ca 5 x 6	unit	2	40	20%	8	2	6	0	0
Static No-break UPS MER A (15 min autonomy) - 80KVA	KVA	1	45,000	20%	9000	2700	7088	338	540
Electric Distribution Board (EDB)	unit	1	2,000	20%	400	120	315	15	24
UPS MER A	unit	1	2,000	20%	400	120	315	15	24
Low voltage cabling YM21K B2ca 5 x 70	m	30	2,250	20%	450	135	354	17	27
Low voltage cabling connections	unit	2	100	20%	20	6	16	1	1
YM21K B2ca 5 x 70	unit	2	100	20%	20	6	16	1	1
Static No-break UPS MER B (15 min autonomy) -80KVA	KVA	1	45,000	5%	2250	2363	6202	338	473
Electric Distribution Board (EDB)	unit	1	2,000	20%	400	120	315	15	24
UPS MER B	unit	1	2,000	20%	400	120	315	15	24
Low voltage cabling YM21K B2ca 5 x 70	m	242	18,150	20%	3630	1089	2859	136	218
Low voltage cabling connections	unit	4	200	20%	40	12	32	2	2
YM21K B2ca 5 x 70	unit	4	200	20%	40	12	32	2	2
Static No-break UPS imaging service (15 min autonomy) - 90KVA	KVA	1	50,000	5%	2500	2625	6891	375	525
Electric Distribution Board (EDB)	unit	1	2,100	5%	105	110	289	16	22
UPS Imaging service	unit	1	2,100	5%	105	110	289	16	22
Low voltage cabling YM21K B2ca 5 x 70	m	230	17,250	20%	3450	1035	2717	129	207
Low voltage cabling connections	unit	4	200	20%	40	12	32	2	2
YM21K B2ca 5 x 70	unit	4	200	20%	40	12	32	2	2
Low voltage cabling EDB SER	m	1,386	83,160	20%	16632	4990	13098	624	998
YM21K B2ca 5 x 50	unit	32	1,280	20%	256	77	202	10	15
Low voltage cabling connections	unit	32	1,280	20%	256	77	202	10	15
YM21K B2ca 5 x 50	m	880	9,240	20%	1848	554	1455	69	111
Low voltage cabling connections	unit	16	160	20%	32	10	25	1	2
YM21K B2ca 5 x 6	unit	16	160	20%	32	10	25	1	2
Safety grounding and equipotential bonding	lot	1	20,000	20%	4000	1200	3150	150	240
Lighting protection	lot	1	30,000	20%	6000	1800	4725	225	360
Grounding HV room	unit	1	5,000	20%	1000	300	788	38	60
Grounding LV room	unit	3	15,000	20%	3000	900	2363	113	180

Grounding	unit	12	960	20%	192	58	151	7	0	12
Kitchen/freezers/laundry	unit	103	8,240	20%	1,648	494	1,298	62	0	99
Grounding bathrooms	unit	9	720	20%	144	43	113	5	0	9
Grounding SER/AMER	unit	10	800	20%	160	48	126	6	0	10
Medical grounding G3	unit	25	2,000	20%	400	120	315	15	0	24
Medical grounding G2	unit	25	2,000	20%	400	120	315	15	0	24
Medical grounding G1	unit	300	24,000	20%	4,800	1,440	3,780	180	0	288
Medical grounding G0	unit	131	10,480	20%	2,096	629	1,651	79	0	126
Potential equalization A	unit	934	74,720	20%	14,944	4,483	11,768	560	0	897
Potential equalization B	unit	32	2,560	20%	512	154	403	19	0	31
Potential equalization C	unit	10	800	5%	40	42	110	6	0	8
Signalableus Medical Transformers	unit	312	24,960	20%	4,992	1,498	3,931	187	0	300
Medical panels	unit	312	24,960	20%	4,992	1,498	3,931	187	0	300
Cable trays:										
> 300mm	m	3,632	217,920	20%	43,584	13,075	34,322	1,634	0	2,615
> 600mm	m	2,086	250,320	20%	50,064	15,019	39,425	1,877	0	3,004
< 300mm	m	2,024	60,720	20%	12,144	3,643	9,563	455	0	729
Cabinet connections	unit	50	7,500	20%	1,500	450	1,181	56	0	90
Bed wall panel for 1 bed; bare, without facilities (estimated separately)	unit	110	5,500	20%	1,100	330	866	41	0	66
Bed wall panel for 2 beds; bare, without facilities (estimated separately)	unit	66	6,600	20%	1,320	396	1,040	50	0	79
Bed wall panel for 2 beds; bare, without facilities (estimated separately)	unit	2	200	20%	40	12	32	2	0	2
Floor connection box + pipes	unit	50	20,000	20%	4,000	1,200	3,150	150	0	240
Energy distribution medium voltage					0	0	0	0	0	0
High/Medium voltage distributor (RMU)	unit	1	100,000	20%	20,000	6,000	15,750	750	0	1,200
Measuring device energy (bulk meter)	unit	1	20,000	20%	4,000	1,200	3,150	150	0	240
Medium voltage cabling (incoming / ring / transformer)	m	250	37,500	20%	7,500	2,250	5,906	281	0	450
Transformer oil type 1600 kVA	unit	2	90,000	5%	4,500	4,725	12,403	675	0	945
Energy distribution low voltage					0	0	0	0	0	0

Electrical cable 2500A + accessories	m	30	22,500	20%	4500	1350	3544	169	0	270
Sub main distributor				20%	0	0	0	0	0	0
Low voltage sub-main distributor	unit	2	300,000	20%	60000	18000	47250	2250	0	3600
Low voltage cabling main-distributor / sub main-distributor	m	260	84,500	20%	16900	5070	13309	634	0	1014
Electric distribution boards				20%	0	0	0	0	0	0
Electric distribution board 25A (8...12 end groups)	unit	1	1,500	20%	300	90	236	11	0	18
Electric distribution board 40A (16...20 end groups)	unit	3	6,000	20%	1200	360	945	45	0	72
Electric distribution board 63A (25...35 end groups)	unit	11	27,500	20%	5500	1650	4331	206	0	330
Electric distribution board 80A (40...50 end groups)	unit	23	69,000	20%	13800	4140	10868	518	0	828
Electric distribution board 200A (25...30 end groups)	unit	2	20,000	20%	4000	1200	3150	150	0	240
Electric distribution board 250A (40...50 end groups)	unit	1	15,000	20%	3000	900	2363	113	0	180
Electric distribution board 400A (40...50 end groups)	unit	1	30,000	20%	6000	1800	4725	225	0	360
Electric distribution board 1600A (15...20 end groups)	unit	1	90,000	20%	18000	5400	14175	675	0	1080
Electric distribution board 2000A (15...20 end groups)	unit	1	120,000	20%	24000	7200	18900	900	0	1440
Data point complete CAT-6 or 7 including faceplates at end user side, 2 patch cords per point, communication rack/s and patch panels	nr	1,400	91,630	20%	18326	5498	14432	687	0	1100
CAT6 / 7 cable	m	126,000	113,400	20%	22680	6804	17861	851	0	1361
TV point i RG4D cable, termination from floor junction box to single socket included	nr	290	11,733	20%	2347	704	1848	88	0	140
Medical transformer boards					0	0	0	0	0	0

1 room, including 20 medical transformers	unit	6	12,000	5%	600	630	1654	90	0	126
Medical transformer boards (125A-2 rooms), including 30 medical transformers	unit	2	6,000	5%	300	315	827	45	0	63
Busbars				20%	0	0	0	0	0	0
Busbars 2500 + accessories	m	130	65,000	20%	13000	3900	10238	488	0	780
Busbars 3200 + accessories	m	130	78,000	20%	15600	4680	12285	585	0	936
Low voltage cabling				20%	0	0	0	0	0	0
Low voltage cabling YM21K B2ca 5 x 2,5	m	420	2,225	20%	445	134	351	17	0	27
Low voltage cabling connections YM21K B2ca 5 x 2,5	unit	24	240	20%	48	14	38	2	0	3
Low voltage cabling YM21K B2ca 5 x 6	m	365	3,833	20%	767	230	604	29	0	46
Low voltage cabling connections YM21K B2ca 5 x 6	unit	22	440	20%	88	26	69	3	0	5
Low voltage cabling YM21K B2ca 5 x 10	m	444	5,994	20%	1199	360	944	45	0	72
Low voltage cabling connections YM21K B2ca 5 x 10	unit	8	240	20%	48	14	38	2	0	3
Low voltage cabling YM21K B2ca 5 x 16	m	370	7,400	20%	1480	444	1166	56	0	89
Low voltage cabling connections YM21K B2ca 5 x 16	unit	10	300	20%	60	18	47	2	0	4
Low voltage cabling YM21K B2ca 5 x 25	m	195	7,605	20%	1521	456	1198	57	0	91
Low voltage cabling connections YM21K B2ca 5 x 25	unit	14	560	20%	112	34	88	4	0	7
Low voltage cabling connections YM21K B2ca 5 x 35	m	2,101	100,848	20%	20170	6051	15884	756	0	1210
Low voltage cabling connections YM21K B2ca 5 x 35	unit	48	1,920	20%	384	115	302	14	0	23
Low voltage cabling YM21K B2ca 5 x 50	m	1,099	65,940	20%	13188	3956	10386	495	0	791
Low voltage cabling connections YM21K B2ca 5 x 50	unit	36	1,800	20%	360	108	284	14	0	22
Low voltage cabling YM21K B2ca 5 x 70	m	1,837	143,286	20%	28657	8597	22568	1075	0	1719

hospital	switching panel (Daji based)	unit	1	10,000	20%	2000	600	1575	75	0	120
	Emergency lighting cabling 230V, 3x 1.5 mm ² , B2ca	m	9,015	15,326	20%	3065	920	2414	115	0	184
	Emergency lighting decentralized separate battery, LED (mix hospital)	unit	601	90,150	20%	18030	5409	14199	676	0	1082
	Bed wall panels	unit	248	12,400	20%	2480	744	1953	93	0	149
	Facilities panels	unit	44	2,200	20%	440	132	347	17	0	26
	Operation theatre panel	unit	50	50,000	20%	10000	3000	7875	375	0	600
	AVR system	nr	2	240,000	20%	48000	14400	37800	1800	0	2880
	UPS systems various sizes	sum	1	290,000	20%	58000	17400	45675	2175	0	3480
	lifts	Unit	8	1,028,840	5%	51442	0	0	7716	0	10803
	medical waste treatment systems	Unit	1	275,400	5%	13770	0	0	2066	0	2892
	WALK-IN CHILLER	nr	3	27,000	20%	5400	1620	4253	203	0	324
	WALK-IN FREEZER	nr	1	9,900	20%	1980	594	1559	74	0	119
	REFRIGERATOR	nr	10	22,000	20%	4400	1320	3465	165	0	264
	VERTICAL SLIM TYPE DEEP FREEZER	nr	6	18,000	20%	3600	1080	2835	135	0	216
	WALK IN COLDROOM WALL DRAINAGE BOX	nr	4	18,000	20%	3600	1080	2835	135	0	216
	EXTRACTIOMOTOR & FRESH AIR SUPPLY	nr	2	40,000	20%	8000	2400	6300	300	0	480
	COMBI STEAM OVEN	nr	3	90,000	20%	18000	5400	14175	675	0	1080
	ELECTRIC BOILING PAN	nr	2	6,000	20%	1200	360	945	45	0	72
	ELECTRIC BRAIT PAN	nr	1	3,000	20%	600	180	473	23	0	36
	CONVEYOR TYPE DISHWASHER incl. accessories	nr	1	7,500	20%	1500	450	1181	56	0	90
	other kitchen electric equipment and accessories	sum	1	220,000	20%	44000	13200	34650	1650	0	2640
	washer extractor	nr	2	73,920	20%	14784	4435	11642	554	0	887
	storage cabinet	nr	2	1,690	20%	338	101	266	13	0	20
	aluminium shelf	nr	8	2,823	20%	565	169	445	21	0	34
	flatwork ironer	nr	2	24,992	20%	4998	1500	3936	187	0	300
	ironing board with vacuum, boiler and one hand iron	nr	3	4,620	20%	924	277	728	35	0	55
	laundry cart	nr	11	1,442	20%	288	87	227	11	0	17
	sewing machine	nr	4	5,421	20%	1084	325	854	41	0	65
	tumbler dryer	nr	2	34,848	20%	6970	2091	5489	261	0	418
	washer extractor	nr	1	14,696	20%	2939	882	2315	110	0	176

Aluminum Railing	m	26	2,652	20%	530	418	20	53	32
Plaster board	m2	1,160	60,320	20%	12064	3619	452	1206	724
Main entrance door	nr	2	5,800	20%	1160	348	44	116	70
External / security door	nr	48	53,280	20%	10656	3197	400	1066	639
Internal doors	nr	212	101,760	20%	20352	6106	763	2035	1221
Window Type A	nr	152	36,480	20%	7296	2189	274	730	438
Window Type B	nr	33	13,860	20%	2772	832	104	277	162
Window Type C	nr	72	10,800	20%	2160	648	81	216	130
Ceramic floor tiles	m2	4,115	65,846	20%	13169	3951	494	1317	790
Toilet disposal point Pac pipe and fittings	nr	48	5,875	20%	1175	353	44	118	71
Shower basin disposal point including PVC pipe, joint box and fittings	nr	48	4,284	20%	857	257	32	86	51
Wash basin disposal point including Pac pipe plastic siphon, floor joint box and fittings	nr	72	6,426	20%	1285	386	48	129	77
Kitchen sink disposal point including Pac pipe plastic siphon, floor joint box and fittings	nr	24	2,203	20%	441	132	17	44	26
washing machine disposal point including Pac pipe plastic siphon, floor joint box and fittings	nr	24	2,142	20%	428	129	16	43	26
A/C disposal point including Pac pipe plastic siphon, floor joint box and fittings up	nr	24	2,081	20%	416	125	16	42	25
Sewage PVC pipe including elbows, Tees and accessories	m	905	43,078	20%	8616	2585	323	862	517
Apartment multilayer plastic and aluminum pipe - various types and diameters	m	1,974	27,636	20%	5527	1658	207	553	332
H/C water point	pcs	360	68,544	20%	13709	4113	514	1371	823
Steel pipe - various diameters	m	32	3,237	20%	647	194	24	65	39
Floor level manifold for water supply	sum	10	7,735	20%	1547	464	58	155	93
Booster pump	pc	2	714	20%	143	43	5	14	9

Hot Water	pc	24	5,712	20%	1142	343	900	43	114	235	141
Faucet hot/cold Single lever basin	Pc	96	11,750	20%	2350	705	1851	88	235	141	
set of Shower mixer, water punch, pole, bar, hose and slider	Pc	48	8,496	20%	1699	510	1338	64	170	102	
Monoblock floor toilet, P-trap, ceramic	pc	48	9,792	20%	1958	588	1542	73	196	118	
Single stainless steel Kitchen sink	pc	48	12,096	20%	2419	726	1905	91	242	141	
Hand Wash Basin Ceramic	pc	72	5,616	20%	1123	337	885	42	112	67	
Shower tray 900 x 900mm, ceramic	pc	48	5,616	20%	1123	337	885	42	112	67	
Bottom Kitchen Cabinet including drawers and doors	pc	24	37,640	20%	6528	1958	5141	245	653	392	
Synthetic Marble Kitchen countertop	pc	24	32,640	20%	6528	1958	5141	245	653	392	
Single Robe hook - chrome plated finish installed with stainless steel screw set	nr	48	845	20%	169	51	133	6	17	10	
Dust Bin Soft Close 5 L stainless steel 304 Satin finish, foot operated and with a plastic carry out insert - 15cm round	nr	48	806	20%	161	48	127	6	16	10	
Toilet Paper Holder for single roll with cover and chrome plated finish installed with stainless steel screw set	nr	48	691	20%	138	41	109	5	14	9	
Toilet Brush Holder with White Ceramic holder cup secure to wall using ring holder chrome plated finish and installed with stainless steel screw set	nr	48	1,382	20%	276	83	218	10	28	17	
Towel Ring secured to wall with 25mm holder - chrome plated finish installed with stainless steel set	nr	48	1,382	20%	276	83	218	10	28	17	

Chrome plated finish installed with stainless steel screw set	nr	48	2,534	20%	507	152	399	19	51	30
Soap Glass holder secured to wall installed with stainless steel screw set	nr	48	1,498	20%	300	90	236	11	30	18
Flat Frame Glass mirror	nr	48	3,341	20%	668	200	526	25	67	40
portable fire extinguisher	nr	3	150	20%	30	9	24	1	3	2
safety signs	package	2	3,000	20%	600	180	473	23	60	36
LPG cooper piping and accessories	package	2	7,200	20%	1440	432	1134	54	144	86
Wall mounted AC	package	24	24,000	20%	4800	1440	3780	180	480	282
LV Distribution board - type A	package	2	16,120	20%	3224	967	2539	121	322	193
LV Distribution board - type B	package	6	40,020	20%	8004	2401	6303	300	800	480
LV Distribution board - type C	package	24	12,720	20%	2544	763	2003	95	254	153
LED lamps - type A	nr	503	10,060	20%	2012	604	1584	75	201	121
LED lamps - type B	nr	4	720	20%	144	43	113	5	14	9
Ceiling fan	nr	24	1,440	20%	288	86	227	11	0	17
Power Point items package - type A (fire rated conduit, cable, 13A single socket include	nr	699	27,960	20%	5592	1678	4404	210	0	336
Power Point items package - type B (fire rated conduit, cable, 13A single socket include, 3x16 amps insulator, AC switch	nr	48	6,720	20%	1344	403	1058	50	0	81
Surface Mounted Communication Box	nr	2	460	20%	92	28	72	3	0	6
Flush Mounted Communication Box incl. cabling, trunking	nr	24	2,400	20%	480	144	378	18	0	29
Communication point including conduit, CAT 6 cable	nr	24	2,160	20%	432	130	340	16	0	26
Surface Mounted Communication Box	nr	2	540	20%	108	32	85	4	0	6
Flush Mounted Communication Box incl. cabling, trunking	nr	24	2,400	20%	480	144	378	18	0	29

Smoke detector	nr	24	1,440	20%	288	86	227	11	0	17
Earthing and lighting protection system	comp	2	4,000	20%	800	240	630	30	0	48
PVC Pipe - type A, various diameters	m	170	5,780	20%	1156	347	910	43	0	69
PVC Pipe - type B, various diameters	m	20	476	20%	95	29	75	4	0	6
Fitting for piping	sum	1	1,734	20%	347	104	273	13	0	21
water pump, fitting and accessories	sum	1	23,800	20%	4760	1428	3749	179	0	286
water pump, fitting and accessories	sum	1	8,160	20%	1632	490	1285	61	0	98
Electrical cables and accessories for electric system	sum	1	27,200	20%	5440	1632	4284	204	0	326
Generator and accessories for main power supply	sum	1	44,200	5%	2210	2321	6091	332	0	464
Main supply and distribution panels	sum	2	16,320	20%	3264	979	2570	122	0	196
Main supply and distribution cables	sum	2	10,880	20%	2176	653	1714	82	0	131
Pipes for electrical cabling	sum	4	5,440	20%	1088	326	857	41	0	65
Street lighting	Units	5	12,750	20%	2550	765	2008	96	0	153
LAN Switches 48p	pcs	40	133,720	20%	26744	8023	21061	1003	0	1605
Core and Aggregation switches	pcs	2	30,516	20%	6103	1831	4806	229	0	366
SFP + 10G	pcs	90	5,760	20%	1152	346	907	43	0	69
ODF (Optical Distribution Frame)	pcs	20	3,120	10%	312	172	450	23	0	34
fiber cable package	LOT	1	5,090	10%	509	280	735	38	0	54
Pigetails	pcs	20	600	10%	60	33	87	5	0	7
Firewall	pcs	2	13,188	10%	1319	725	1904	99	0	145
Management Switch 24 port	pcs	1	1,840	10%	184	101	266	14	0	20
WAN Switch 24 port	pcs	1	1,840	10%	184	101	266	14	0	20
WAN Router	pcs	2	10,565	10%	1057	581	1525	79	0	116
Wi-Fi Access Point	pcs	100	203,800	10%	20380	11209	29474	1529	0	2242
Wi-Fi Controller	pcs	1	36,341	10%	3634	1999	5247	273	0	400
VOIP system / server	LOT	1	10,286	10%	1029	566	1485	77	0	113
IP phone type A	pcs	100	6,000	10%	600	330	866	45	0	66

IP Phone type C	Pcs	20	1,950	20%	390	117	307	15	0	23
Expansion Module for IP phones	Pcs	15	1,185	10%	119	65	171	9	0	13
Gateway cards for IP Phone system	LOT	1	2,500	10%	250	138	361	19	0	28
42U Rack including one/three phase PDUs	Pcs	8	18,304	10%	1830	1007	2643	137	0	201
UPS (server room data centre)	Pcs	1	148,850	5%	7443	7815	20513	1116	0	1563
Electrical Distribution Board system	Lot	1	26,000	20%	5200	1560	4095	195	0	312
Generator 100 KVA	Pcs	1	32,712	5%	1636	1717	4508	245	0	343
AVR (data center)	Pcs	1	25,178	20%	5036	1511	3966	189	0	302
package for additional items for data center such as temp and environment monitor, fire proof plaster boarding, flood sensors, power and communication cables, accessories	Lot	1	14,400	20%	2880	864	2268	108	288	177
Backup Tape Library with package of backup cassettes and cleaning cassettes	Pcs	1	13,000	20%	2600	780	2048	98	0	156
Storage array	Pcs	1	89,638	20%	17928	5378	14118	672	0	1076
Server type A	Pcs	3	64,698	5%	3235	3397	8916	485	0	679
server type B	Pcs	1	25,912	5%	1296	1360	3571	194	0	272
Time and Attendance clocks	Pcs	8	9,097	20%	1819	546	1433	68	0	109
desktop	Pcs	120	120,000	5%	6000	6300	16538	900	0	1260
Printer Type A	Pcs	20	30,000	20%	6000	1800	4725	225	0	360
Printer Type B	Pcs	5	25,000	20%	5000	1500	3938	188	0	300
Cabling and accessories	package	1	15,000	20%	3000	900	2363	113	0	180
Fire Alarm system package incl. addressable control panels 7001, 7002, remote panel, intelligent dialler and power supply, Flaps, ADR cards, Etc.	LOT	1	36,244	5%	1812	1903	4995	272	0	381
Smoke / heat Detector	Pcs	1,350	81,000	5%	4050	4253	11163	608	0	851
Remote Signalling Indicator for Analog Addressable Detectors	Pcs	160	2,560	20%	512	154	403	19	0	31
FIRE HORN	Pcs	50	1,950	20%	390	117	307	15	0	23

fire alarm call points	pcs	1	60	5%	3	3	8	0	0	0	1
PUBLIC ADDRESS	Pcs	1	3,250	20%	650	195	512	24	0	0	39
Package of fire extinguisher systems for electrical boards using AEROSOL	LOT	1	30,000	5%	1500	1575	4134	225	0	0	315
cables or fire alarm system	LOT	1	15,000	20%	3000	900	2363	113	0	0	180
Other accessories for fire alarm system	LOT	1	25,000	20%	5000	1500	3938	188	0	0	300
PA system including racks with amplifiers	LOT	1	98,326	20%	19665	5900	15486	737	0	0	1180
PA speakers	Pcs	2,400	96,000	20%	19200	5760	15120	720	0	0	1152
Push to Talk (PTT) Microphone	Pcs	10	2,340	20%	468	140	369	18	0	0	28
eight (8) button mic	Pcs	16	9,360	20%	1872	562	1474	70	0	0	112
touchscreen mic	Pcs	4	10,400	20%	2080	624	1638	78	0	0	125
Network video recording / CCTV system	LOT	1	3,921	5%	196	206	540	29	0	0	41
Dome / bullet Camera - CCTV	Pcs	130	45,500	5%	2275	2389	6270	341	0	0	474
CAT6/7 cables	LOT	11,700	11,700	5%	585	614	1612	88	0	0	131
Other accessories for access control system	LOT	1	15,000	5%	750	788	2067	113	0	0	158
2AP SWITCH	Pcs	8	8,800	10%	880	484	1271	66	0	0	97
Access control main system, including server, control stations and license	LOT	1	13,000	5%	650	683	1792	98	0	0	137
Access control equipment per door - door magnet, card reader, exit button, emergency door release, addressable controller	LOT	50	45,000	20%	9000	2700	7088	338	0	0	540
Access tags / cards	Pcs	1,500	3,600	20%	720	216	567	27	0	0	43
Power cables package for access control	LOT	1	4,500	20%	900	270	709	34	0	0	54
Power Box	Pcs	20	4,400	20%	880	264	693	33	0	0	53
Medium UPS to support the access control system	Pcs	1	3,413	5%	171	179	470	26	0	0	36
accessories for access control system	LOT	1	12,000	20%	2400	720	1890	90	0	0	144
Main gate System	package	1	12,000	20%	2400	720	1890	90	0	0	144
turnstile / human gate	Pcs	4	80,000	20%	16000	4800	12600	600	0	0	960
arm barrier	Pcs	4	14,000	20%	2800	840	2205	105	0	0	168
Nurse Call Button	Pcs	490	45,080	20%	9016	2705	7100	338	0	0	541

Signals repeaters	package	1	8,350	20%	1607	500	1315	63	0	100
LED Display	pcs	13	9,243	20%	1849	555	1456	65	0	111
Nurse Station equipment	pcs	13	88,582	20%	17716	5315	13952	664	0	1063
BMS server	pcs	1	5,021	20%	1004	301	791	38	0	60
BMS workstation	pcs	2	2,232	20%	446	134	352	17	0	27
BMS cards package	pcs	10	15,400	20%	3080	924	2426	116	0	185
converter	pcs	10	3,350	20%	670	201	528	25	0	40
water level detector	pcs	5	6,090	20%	1218	365	959	46	0	73
Small UPS to support the BMS system	pcs	1	1,674	5%	84	88	231	13	0	18
Equipment and machinery for construction										
Excavator - Volvo	unit	4	1,600,000	5%	80000	0	0	12000	0	16800
Backhoe - Volvo	unit	4	480,000	5%	24000	0	0	3600	0	5040
Wheel Loader - Volvo	unit	4	1,200,000	5%	60000	0	0	9000	0	12600
Bobcat - Cat	unit	4	320,000	5%	16000	0	0	2400	0	3360
Forklift - Volvo	unit	4	400,000	5%	20000	0	0	3000	0	4000
Crane 100ton - Terex	unit	1	350,000	5%	17500	0	0	2625	0	3675
Crane 40ton - Terex	unit	2	400,000	5%	20000	0	0	3000	0	4200
crane 250ton - Terex	unit	1	500,000	5%	25000	0	0	3750	0	5250
Tower Crane - Terex	unit	3	360,000	5%	18000	0	0	2700	0	3780
Cherry Picker Platform - Various	unit	3	120,000	5%	6000	0	0	900	0	1260
Scaffolding System - Various	package	1	500,000	5%	25000	0	0	3750	10000	5250
Compactor - Bomag	unit	2	250,000	5%	12500	0	0	1875	0	2625
Motor Grader - CAT	unit	2	400,000	5%	20000	0	0	3000	0	4200
Mixer trucks - Volvo	unit	6	720,000	5%	36000	0	0	5400	14400	7560
Tipper trucks - Various	unit	10	1,200,000	5%	60000	0	0	9000	24000	12600
Service trucks - Various	unit	5	600,000	5%	30000	0	0	4500	12000	6300
Dumper trucks - Volvo	unit	2	700,000	5%	35000	0	0	5250	14000	7350
Concrete batching plant - Various	package	1	250,000	5%	12500	0	0	1875	0	2625
formwork, decking sheets	package	1	500,000	20%	100000	30000	78750	3750	10000	6000
Medical Equipment										
MRI 1.5T	pcs	1	955,152	5%	47758	0	0	7164	19103	12029
CT (64-slices)	pcs	1	521,532	5%	26077	0	0	3911	10431	5476
Mobile Diagnost	pcs	6	634,382	5%	31720	0	0	4758	12688	6661
Mammograph	pcs	1	178,200	5%	8910	0	0	1337	3564	1871

X-ray	pcs	1	153,252	5%	7663	0	0	0	1149	3065	220
Panoramic X-Ray Unit	pcs	1	39,600	5%	1980	0	0	0	297	792	1609
Ultrasound	pcs	26	741,312	5%	37066	0	0	5560	14876	7741	416
C-Arm Image Intensifier	pcs	1	117,612	5%	5881	0	0	882	2352	1235	1235
Angiography + CATH LAB	pcs	1	772,199	5%	38610	0	0	5791	15444	8108	8108
PACS/RIS equipment	lot	1	500,000	5%	25000	0	0	3750	10000	5250	5250
Fluoroscopy	pcs	1	318,384	5%	15919	0	0	2388	6368	3343	3343
Dental X-ray	pcs	3	24,000	5%	1200	0	0	180	480	252	252
Operating table	pcs	8	558,835	5%	27942	0	0	4191	11177	5868	5868
OR-table (moveable)	pcs	1	69,854	5%	3493	0	0	524	1397	733	733
OR chair (moveable)	pcs	4	279,418	5%	13971	0	0	2096	5588	2934	2934
OR-light (ceiling boom)	pcs	13	340,540	5%	17027	0	0	2554	6811	3576	3576
Anesthesia ceiling boom	pcs	11	150,935	5%	7547	0	0	1132	3019	1585	1585
Anesthesia machine	pcs	11	925,604	5%	46280	0	0	6942	18512	9719	9719
Anesthesia cart	pcs	11	41,556	5%	2078	0	0	312	831	436	436
Surgery - ceiling boom	pcs	9	123,493	5%	6175	0	0	926	2470	1297	1297
Suction machine electrical	pcs	19	334,968	5%	16748	0	0	2512	6699	3517	3517
Auto transfusion unit	pcs	4	118,800	5%	5940	0	0	891	2376	1247	1247
OR control panel	pcs	11	65,340	5%	3267	0	0	490	1307	686	686
Ventilator Adult ICU	pcs	15	537,000	5%	26850	0	0	4028	10740	5639	5639
Ventilator Adult A&E	pcs	11	182,952	5%	9148	0	0	1372	3659	1826	1826
Ventilator NICU/pediatric	pcs	17	608,606	5%	30430	0	0	4565	12172	6390	6390
Travel ventilator	pcs	2	49,896	5%	2495	0	0	374	998	524	524
ECG	pcs	3	31,482	5%	1574	0	0	236	630	331	331
Travel incubator	pcs	3	71,280	5%	3564	0	0	535	1426	748	748
Patient monitor ICU	pcs	55	705,128	5%	35256	0	0	5288	14103	7404	7404
Central Station Patient monitor ICU	pcs	5	59,400	5%	2970	0	0	446	1188	624	624
Patient monitor-HDU (High Dependency Unit)	pcs	15	78,477	5%	3924	0	0	589	1570	824	824
Central Station Patient monitor HDU	pcs	2	15,444	5%	772	0	0	116	309	162	162
Vitals signs patient monitor on trolley	pcs	10	47,520	5%	2376	0	0	356	950	499	499
medical supply unit (Hight Care, ER)	pcs	51	445,322	5%	22266	0	0	3340	8906	4676	4676
Autoclave 600 ltr	pcs	2	224,532	5%	11227	0	0	1684	4491	2358	2358
Autoclave 200 ltr	pcs	2	162,162	5%	8108	0	0	1216	3243	1703	1703
Washer disinfecter	pcs	4	367,710	5%	18385	0	0	2758	7354	3961	3961
Ultrasound washer bench	pcs	3	56,668	5%	2833	0	0	425	1133	595	595

Cart washer	pcs	1	125,928	5%	6296	0	0	944	2519	1322
Patient bed/Adult with mattress and accessories	pcs	292	919,274	5%	45964	0	0	6895	18385	9652
Paediatric Bed with mattress and accessories	pcs	70	220,374	5%	11019	0	0	1653	4407	2314
Delivery Bed	pcs	11	137,136	5%	6857	0	0	1029	2743	1440
Exam table / stretchers (high/low)	pcs	54	102,002	5%	5100	0	0	765	2040	1071
Electrical Bed Recovery/I/ CU	pcs	65	810,347	5%	40517	0	0	6078	16207	8509
Patient trolley	pcs	29	103,356	5%	5168	0	0	775	2067	1085
Wheelchairs standard / Wheelchairs MRI compatible	pcs	62	30,936	0%	0	0	0	232	619	309
Nursery cots	pcs	36	134,719	5%	6736	0	0	1010	2694	1415
Mortuary trolley	pcs	1	3,742	5%	187	0	0	28	75	39
Couch, examination, gynaecology	pcs	4	11,975	5%	599	0	0	90	240	126
Intensive care cots NICU	pcs	35	582,120	5%	29106	0	0	4366	11642	6112
Steam sterilizer 25 l/abtop	pcs	11	121,968	5%	6098	0	0	915	2439	1281
Bowl Sterilizer large	pcs	5	11,088	5%	554	0	0	83	222	116
Deep freezer	pcs	3	6,653	5%	333	0	0	50	133	70
Refrigerators Pharmacy	pcs	10	22,176	20%	4435	0	0	166	444	266
Domestic Refrigerator	pcs	28	31,046	20%	6209	0	0	233	621	373
Refrigerator Medical Storage	pcs	17	37,699	20%	7540	0	0	283	754	452
Distilled water equipment portable	pcs	2	6,653	5%	333	0	0	50	133	70
Hot air oven laboratory	pcs	2	5,544	5%	277	0	0	42	111	58
Centrifuge Electric	pcs	6	13,306	5%	665	0	0	100	266	140
Blood bank centrifuge	pcs	1	2,218	5%	111	0	0	17	44	23
BioSafety Cabinet, Class II	pcs	1	11,088	5%	554	0	0	83	222	116
Corneal Topographic System	pcs	1	6,653	5%	333	0	0	50	133	70
Ophthalmic Ultrasound Scanner	pcs	1	3,326	5%	166	0	0	25	67	35
Ophthalmic Lasers	pcs	1	11,088	5%	554	0	0	83	222	116
Perimeter (Visual Field Analyser)	pcs	1	7,762	5%	388	0	0	58	155	81
Distribution RO-ring pipeline	pcs	1	55,440	5%	2772	0	0	416	1109	582
Dialyse supply unit (1.0+2 places)	pcs	1	55,440	5%	2772	0	0	416	1109	582
Haemodialysis Machines incl. monitor	pcs	6	133,056	5%	6653	0	0	998	2661	1397

Continuous renal replacement therapy (CRRT) machines	pcs	2	22,176	5%	1109	0	0	166	444	233
Reverse Osmosis Unit For Haemodialysis	pcs	3	49,896	5%	2495	0	0	374	998	524
Water Treatment System for Haemodialysis	pcs	1	31,046	5%	1552	0	0	233	621	326
Chemotherapy Chair	pcs	20	66,528	5%	3326	0	0	499	1331	699
Autopsy table	pcs	1	3,326	5%	166	0	0	25	67	35
Body storage refrigerator+body lifting	pcs	1	44,352	5%	2218	0	0	333	887	466
crash cart	pcs	12	66,528	5%	3326	0	0	499	1331	699
Instrument cabinet with transparent door	pcs	38	8,427	5%	421	0	0	63	169	88
Instrument trolley	pcs	51	56,549	5%	2827	0	0	424	1131	594
Bedpan washer	pcs	8	66,528	5%	3326	0	0	499	1331	699
Anteapartum and Intrapartum foetal monitor (Cardiotocograph machine)	pcs	1	6,098	5%	305	0	0	46	122	64
loose medical equipment, medical furniture and other medical equipment-related items	lot	1	2,289,000	5%	114450	0	0	17168	45780	24035
Consumables for medical equipment (include items such as Surgical blades for bistury, Trocar tubes for chest drain, Trocar bladeless sleeves, orthopedics screws and nailing sets, Interlocking screw set, Holmium laser fibers 3mm, disposable plastic speculum, Suction irrigation tubing - arthroscopy set, Glucometer strips, Surgical sutures, ECG disposable electrodes, filters for ventilator, blood collection tubes)	lot	1	380,000	5%	19000	0	0	2850	7600	3990

Heart Rate cum ECG Monitor Trainer with ECG analysis software, Respiration Rate Monitor Trainer, Electro- Encephalograph Trainer, Blood Pressure Trainer, Anaesthesia machine trainer, Ultrasound Machine Trainer, Temperature Transducer Trainer, Optical Transducer Trainer)	Lot	1	194,832	5%	9742	0	0	1461	3897	2046
Utility truck	pcs	1	80,000	5%	4000	4200	11025	600	1600	840
Ambulance	pcs	1	100,000	20%	20000	6000	15750	750	2000	1200
TOTAL			68,498,091		8,655,180.68	2,248,059.59	5,901,156.43	513,735.68	1,002,043.17	771,532.72

TOTAL TAX LIABILITY=19,091,709 EUROS

CERTIFICATE

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.

.....
Date 15-07-2022

Signature:.....
[Signature]

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

GHANA REVENUE AUTHORITY
CUSTOMS DIVISION
ACCRA

Description	unit	Qty	CF (EURO)	I/D Rate	Imp. Duty	Nhll/ 5%	Gfund	Imp. VAT 12.5%	EXIM Levy 0.75%	SIL 0%/2%	COVID Levy 1%
PVC pipes - different diameter	m	975	41,438	20%	8288	2485	6526	311	829	497	
Sewage Treatment Plant	m	1	247,920	5%	12396	0	0	1859	4958	2603	
steel fence	m	220	55,000	20%	11000	3300	8663	413	1100	660	
Double swing gate	No.	2	6,800	20%	1360	408	1071	51	136	82	
Electrically-operated overhead road barrier	No.	5	15,300	5%	765	803	2109	115	306	161	
Copper Cables	m	1,250	27,200.00	20%	5440	1632	4284	204	544	326	
Arm Street Lighting Pole	No.	29	188,573	20%	37715	11314	29700	1414	3771	2263	
balustrade	m	500	148,750	20%	29750	8925	23428	1116	2975	1785	
Rainwater					0	0	0	0	0	0	
Rainwater drain, inside building (PE, 40 - 160 mm, incl. fittings)	m	1,000	50,000	20%	10000	3000	7875	375	1000	600	
Roof discharge	unit	25	6,250	20%	1250	375	984	47	125	75	
Rain water drain facade technical rooms (PE, 110 mm, incl. fittings)	unit	10	800	20%	160	48	126	6	16	10	
Sewage water					0	0	0	0	0	0	
Sewage pump, average 25 m ³ /h	unit	4	38,000	5%	1900	1995	5237	285	0	399	
Sewage for showers, sinks & condensation water (PE 15 - 300 mm, incl. fittings)	m	400	24,000	20%	4800	1440	3780	180	480	288	
Sewage for toilet laboratories(PE 50 - 300 mm, incl. fittings)	m	600	72,000	20%	14400	4320	11340	540	1440	864	
Kitchen grease separator	unit	1	6,000	20%	1200	360	945	45	120	72	
Waste water treatment - septic tank	unit	1	100,000	20%	20000	6000	15750	750	2000	1200	
pipe for Connection Sanitary units (PE, 50 - 110 mm)	m	6,500	123,500	20%	24700	7410	19451	926	2470	1482	
pipe for Connection FCU's (PE, 50 mm)	m	6,000	60,000	20%	12000	3600	9450	450	1200	720	
pipe for Connection AHU's (PE, 75 mm)	m	150	1,800	20%	360	108	284	14	36	22	
Connection kitchen & central sterilisation (cast iron 50 - 150 mm) water	m	250	7,500	20%	1500	450	1181	56	150	90	

and/or de-ironing, t.b.d.)																		
Pressure distribution pumps (set of 3 pumps, ca. 15 m ³ /h)	unit	2	10,000	5%	500	525	1378	75	0	105								
Multi layer Potable water piping (15 - 80 mm, incl. fittings & insulation)	m	2,500	37,500	20%	7500	2250	5906	281	750	450								
Circulation pump set (2 pumps)	unit	3	13,500	5%	675	709	1860	101	0	142								
Service water (process water for laboratory)																		
Process water piping (copper 15 - 50 mm)	m	350	12,250	20%	2450	735	1929	92	245	147								
Connections multi layer piping (15 - 40 mm)	m	130	1,950	20%	390	117	307	15	39	23								
Local hot process water heater	unit	10	4,000	20%	800	240	630	30	80	48								
Local water treatment					0	0	0	0	0	0								
Water softener system - complete unit (appr. 5 m ³ /h)	unit	2	4,000	20%	800	240	630	30	80	48								
Softened water piping (PP, 15 - 32 mm, incl. fittings)	m	250	2,500	20%	500	150	394	19	50	30								
Purified water system - complete unit (appr. 5 m ³ /h)	unit	1	5,000	20%	1000	300	788	38	100	60								
Purified water piping (PP, 15 - 32 mm, incl. fittings)	m	300	3,000	20%	600	180	473	23	60	36								
Medical gasses					0	0	0	0	0	0								
Breathing air					0	0	0	0	0	0								
Compressed air unit (oil free) - complete unit	unit	3	75,000	20%	15000	4500	11813	563	1500	900								
Overall control unit	unit	1	5,000	20%	1000	300	788	38	100	60								
Compressed air tank (SS, 500 l, PN10)	unit	2	6,000	20%	1200	360	945	45	120	72								
Conditioning; absorption dryer, filtration and reduce valve	unit	2	20,000	20%	4000	1200	3150	150	400	240								
Breathing air piping (copper, 10 - 32 mm, incl. fittings)	m	400	16,000	20%	3200	960	2520	120	320	192								
Connection points medical (copper, 10 - 15 mm,)	m	5,600	140,000	20%	28000	8400	22050	1050	2800	1680								
Connection points technical (copper, 10 - 20 mm)	m	250	7,000	20%	1400	420	1103	53	140	84								

Vacuum pump unit (3 pumps) - complete unit	unit	1	30,000	5%	1500	1575	4134	225	0	315
Vacuum tank (SS, 500 l, PN10)	unit	1	3,000	20%	600	180	473	23	60	36
Vacuum piping (copper, 15 - 65 mm incl. fittings)	m	400	16,000	20%	3200	960	2520	120	320	192
Connection points medical (copper, 10 - 25 mm incl. 10 m piping & fittings)	m	296	8,288	20%	1658	497	1305	62	166	99
Connection points technical (copper, 10 - 25 mm)	m	10	280	20%	56	17	44	2	6	3
Pressure monitoring and alarming	unit	20	7,000	5%	350	368	965	53	0	74
O2										
Liquid oxygen tank - terrain	unit	1	5,000	20%	1000	300	788	38	100	60
Gas oxygen cylinder battery	unit	2	12,000	20%	2400	720	1890	90	240	144
Switching unit	unit	2	8,000	20%	1600	480	1260	60	160	96
Oxygen piping (copper, 15 - 50 mm, incl. fittings)	m	400	14,000	20%	2800	840	2205	105	280	168
Connection points medical (copper, 10 - 25 mm)	unit	5,700	159,600	20%	31920	9576	25137	1197	3192	1915
Pressure monitoring and alarming	unit	20	7,000	20%	1400	420	1103	53	140	84
N2O										
Gas cylinder battery	unit	2	12,000	20%	2400	720	1890	90	0	144
Switching unit	unit	1	4,000	20%	800	240	630	30	0	48
Nitrous oxide piping (copper, 15 - 32 mm, incl. fittings, ISO 7396)	m	120	4,800	20%	960	288	756	36	96	58
Connection points medical (copper, 10 - 25 mm,s)	m	220	6,160	20%	1232	370	970	46	123	74
Pressure monitoring and alarming	unit	6	2,100	5%	105	110	289	16	42	22
CO2										
Gas cylinder battery	unit	2	12,000	20%	2400	720	1890	90	240	144
Switching unit	unit	1	4,000	20%	800	240	630	30	0	48
Carbon dioxide piping (copper, 15 - 32 mm, incl. fittings)	m	120	4,800	20%	960	288	756	36	96	58
Connection points medical (copper, 10 - 25 mm)	unit	20	560	20%	112	34	88	4	11	7
Pressure monitoring and alarming	unit	6	2,100	20%	420	126	331	16	42	25
Pressure surveillance										

signalling	unit	20	50,000	20%	10000	3000	7875	375	1000	600
Sanitary units										
Toilet (incl. connection, accessory and fittings)	unit	250	37,500	20%	7500	2250	5906	281	750	450
Urinal (incl. connection, accessory and fittings)	unit	22	3,300	20%	660	198	520	25	66	40
Wash basin (incl. connection, accessory and fittings)	unit	338	33,800	20%	6760	2028	5324	254	676	406
Sink (incl. connection, accessory and fittings)	unit	19	1,900	20%	380	114	299	14	38	23
Counter sink (incl. connection, accessory and fittings)	unit	188	18,800	20%	3760	1128	2961	141	376	226
Shower (incl. connection, accessory and fittings)	unit	125	16,250	20%	3250	975	2559	122	325	195
Emergency shower (incl. connection, accessory and fittings)	unit	2	1,000	20%	200	60	158	8	20	12
Eye shower (incl. connection, accessory and fittings)	unit	2	1,000	20%	200	60	158	8	20	12
Small sink (incl. connection, accessory and fittings)	unit	56	5,600	20%	1120	336	882	42	112	67
Tap (incl. connection, accessory and fittings)	unit	20	4,000	20%	800	240	630	30	80	48
Stainless steel sink OT (incl. connection, accessory and fittings)	unit	3	1,200	20%	240	72	189	9	24	14
Outside tap (incl. connection, accessory and fittings)	unit	5	1,000	20%	200	60	158	8	20	12
Sterilizers connection (incl. connection, accessory and fittings)	unit	9	4,050	20%	810	243	638	30	81	49
Dishwasher connection (incl. connection, accessory and fittings)	unit	3	600	20%	120	36	95	5	12	7
Large sink (incl. connection, accessory and fittings)	unit	1	250	20%	50	15	39	2	5	3
Stainless steel section table (incl. connection, accessory and fittings)	unit	1	1,000	20%	200	60	158	8	20	12
Bedpan washer (incl. connection, accessory and fittings)	unit	5	1,000	20%	200	60	158	8	20	12
Bath (incl. connection, accessory and fittings)	unit	14	5,600	20%	1120	336	882	42	112	67

Granite tiles or equivalent	m ²	3,500	175,000	20%	35000	10500	27563	1313	3500	2100	24	14
u-PVC pipes	No.	500	17,000	20%	3400	1020	2678	128	340	204		
gate valves	m ²	8	1,760	20%	352	106	277	13	35	21		
Bitumen	Ton	200	140,000	5%	7000	7350	19294	1050	2800	1470		
Paint	bkt	1,100	47,300	20%	9460	2838	7450	355	946	568		
Filler	bkt	500	11,000	20%	2200	660	1733	83	220	132		
PLASTER BOARD WALLS	m ²	21,600	367,200	20%	73440	22032	57834	2754	7344	4406		
STRUCTURAL STEEL PROFILES	ton	250	774,336	20%	154867	46460	121958	5808	15487	9292		
Steel and/or iron rods and/or steel finished products	Ton	1,700	2,380,000	20%	476000	142800	374850	17850	47600	28560		
Floor PVC	m ²	15,400	308,000	20%	61600	18480	48510	2310	6160	3696		
Floor tiles	m ²	3,650	51,100	20%	10220	3066	8048	383	1022	613		
Foam board	m ²	7,400	220,150	20%	44030	13209	34674	1651	4403	2642		
Bituthene membrane	m ²	8,460	143,820	20%	28764	8629	22652	1079	2876	1726		
PVC Pipes - various diameters	m	950	26,244	20%	5249	1575	4133	197	525	315		
Ductbank of PVC pipes	m	500	71,400	20%	14280	4284	11246	536	1428	857		
Services duct	m ²	900	15,300	20%	3060	918	2410	115	306	184		
galvanised steel lift guide slot channel	nr	500	11,900	20%	2380	714	1874	89	238	143		
Coating (Zipper rich epoxy, epoxy rich coat, Polyurethane topcoat or similar	kg	232,500	189,720	20%	37944	11383	29881	1423	3794	2277		
Cold formed galvanised steel / sandwich panel roof elements	m ²	2,125	404,600	20%	80920	24276	63725	3035	8092	4855		
Foam board	m ²	600	17,850	20%	3570	1071	2811	134	357	214		
Galvanised steel chequerplate hatches	nr	9	28,800	20%	5760	1728	4536	216	576	346		
Stainless steelladders	nr	8	9,792	20%	1958	588	1542	73	196	118		
Galvanised steel stairs	nr	1	3,536	20%	707	212	557	27	71	42		
Composite roofing membrane/HDPE roof outlets	nr	40	10,540	20%	2108	632	1660	79	211	126		
Roof system of two layers of 4mm thick SBS modified bitumen roofing membrane, top layer c/w aggregate coating at upstands	m ²	500	14,450	20%	2890	867	2276	108	289	173		
Extruded polystyrene tapered thermal insulation boards	m ²	7,225	195,075	20%	39015	11705	30724	1463	3902	2341		

insulated profiled steel sandwich panels (Kingspan) with pvdf coating system	m ²	2,130	92,336	20%	18467	5540	14543	693	1847	1108
Structural steel girts; incl. pressed steel gutters and profiles; stainless steel fixings and foam joint filler	m ²	2,130	92,336	20%	18467	5540	14543	693	1847	1108
High tensile steel section framework for Façade system	m ²	10,040	708,322	20%	141664	42499	111561	5312	14166	8500
External plastered panels of exterior grade incl. accessories for plaster works	m ²	6,325	253,000	20%	50600	15180	39848	1898	5060	3036
Extruded ceramic panels between windows	m ²	1,305	204,102	20%	40820	12246	32146	1531	4082	2449
Insulated profiled steel sandwich panels (Kingspan) with pvdf coating	m ²	1,310	141,971	20%	28394	8518	22360	1065	2839	1704
Steel Double doors for façade cladding	nr	10	5,950	20%	1190	357	937	45	119	71
steel air grilles and profiles for intake, exhaust or structural columns	m ²	205	36,593	20%	7319	2196	5763	274	732	439
Aluminium frames with glass units, different sizes small medium (average price per unit)	nr	438	1,016,160	20%	203232	60970	160045	7621	20323	12194
Aluminium frames with glass units, different sizes big (average price per unit)	nr	17	244,800	20%	48960	14688	38556	1836	4896	2938
External Steel Doors - electrically operated	nr	1	14,939	20%	2988	896	2353	112	299	179
Internal Door Sets - different sizes	nr	776	465,600	20%	93120	27936	73332	3492	9312	5587
Door closer	nr	250	44,625	20%	8925	2678	7028	335	893	536
Electronic double door restraint c/w fire alarm release switch	nr	30	3,902	20%	780	234	614	29	78	47
Internal Aluminium Windows and Frames - different sizes	nr	165	379,500	20%	75900	22770	59771	2846	7590	4554
Internal Steel Doors and Frames - different sizes	nr	32	31,680	20%	6336	1901	4990	238	634	380

Galvanized steel access hatch	nr	6	3,315	20%	663	199	522	25	66	40
1000x1000 mm incl. upstand	m ²	440	134,640	20%	26928	8078	21206	1010	2693	1616
Steel sunshade grilles	nr	4	95,200	20%	19040	5712	14994	714	1904	1142
External galvanised steel staircase incl. balustrades and half landings; all fixings galv. Steel	m ²	420	185,640	20%	37128	11138	29238	1392	3713	2228
Stainless steel / glass balustrade and handrails	m	755	115,515	20%	23103	6931	18194	866	2310	1386
expansion joints	m	650	19,500	20%	3900	1170	3071	146	390	234
HDPE pipe	nr	40	400	20%	80	24	63	3	8	5
steel brackets and fixings	nr	40	4,250	20%	850	255	669	32	85	51
Stainless steel mesh basket; incl. handle for removal to clean	nr	8	2,285	20%	457	137	360	17	46	27
overflow pipes	nr	100	9,690	20%	1938	581	1526	73	194	116
WBP plywood with batten support system	m ²	10	500	20%	100	30	79	4	10	6
Plastic laminated finished lining	m ²	10	500	20%	100	30	79	4	10	6
HPL facing	m ²	10	500	20%	100	30	79	4	10	6
WBP plywood with batten support system	m ³	10	969	20%	194	58	153	7	19	12
Wood veneered panels materials	m ²	950	157,463	20%	31493	9448	24800	1181	3149	1890
Aluminium panels 300 mm wide	m ²	1,175	118,851	20%	23770	7131	18719	891	2377	1426
Steel panel 600x600 mm; anti-microbial coating	m ²	3,075	266,603	20%	53321	15996	41990	2000	5332	3199
Acoustic mineral fibre tiles	m ²	15,120	404,838	20%	80968	24290	63762	3036	8097	4858
- Ground floor	m ²	600	326,400	20%	65280	19584	51408	2448	6528	3917
- Basement	m ²	950	68,638	20%	13728	4118	10810	515	1373	824
Internal base coat cement plaster for walls	m ²	14,350	190,281	20%	38056	11417	29969	1427	3806	2283
Porcelain tiles	m ²	3,925	64,223	20%	12845	3853	10115	482	1284	771
Granite or composite stone finishes	m ²	3,790	322,150	20%	64430	19329	50739	2416	6443	3866
Sheet membrane	m ²	16,825	1,058,293	20%	211659	63498	166681	7937	21166	12700
paint and coating	m ²	36,050	551,565	20%	110313	33054	86871	4137	11031	6615
Internal Wall Partitions	m ²	22,865	855,151	20%	171030	51309	134686	6414	17103	10262
WC Unit	nr	216	43,200	20%	8640	2592	6804	324	864	518
Shower unit	nr	130	63,427	20%	12685	3806	9990	476	1269	761

scrub-up trough unit	nr	10		/,140	20%	2428		428	1125	54	143	86
Sanitary Accessories Stainless Steel set including soap dispenser, hand dryer, paper holder, coat hook and paper towel dispenser	nr	260	68,842		20%	13768		4130	10843	516	1377	874
marble for coping	package	1	154,300		20%	30860		9258	24302	1157	3086	1852
wood coating	package	1	19,700		20%	3940		1182	3103	148	394	236
glue for furniture manufacturing	package	1	49,200		20%	9840		2952	7749	369	984	590
materials for furniture, service cabinet ar	package	1	553,600		20%	110720		33216	87192	4152	11072	6643
furniture Accessories	package	1	151,900		20%	30380		9114	23924	1139	3038	1823
Skaflex+Wrapping Materials	package	1	30,500		20%	6100		1830	4804	229	610	366
Veneer & Oak Lumber for Furniture	package	1	196,500		20%	39300		11790	30949	1474	3930	2358
Sliding door kit & Aluminium profile	package	1	21,500		20%	4300		1290	3386	161	430	258
Door Rubber Seal	package	1	9,600		20%	1920		576	1512	72	192	115
handles for furniture	package	1	7,800		20%	1560		468	1229	59	156	94
Sand papers, planer knife and Thinner	package	1	10,200		20%	2040		612	1607	77	204	122
plywood	package	1	30,000		20%	6000		1800	4725	225	600	350
Paint Items	package	1	28,900		20%	5780		1734	4552	217	578	347
visitor chair	nr	800	120,000		20%	24000		7200	18900	900	2400	1440
office chair / conference chair / ergonomic swivel chair	nr	350	122,500		20%	24500		7350	19294	919	2450	1470
workstation / office table	nr	300	150,000		20%	30000		9000	23625	1125	3000	1800
bench seat for visitors (2, 3 or 4 seat station	nr	70	70,000		20%	14000		4200	11025	525	1400	840
Locker / side cabinet	nr	485	145,500		20%	29100		8730	22916	1091	2910	1746
other movable furniture	package	1	900,000.00		20%	180000		54000	141750	6750	18000	10800
set of H/C water point, female elbow, piping and accessories for potable water	nr	788	134,630		20%	26926		8078	21204	1010	2693	1616
water heater	nr	220	32,725		20%	6545		1964	5154	245	655	393
internal portable Water Distribution, piping incl: accessories	m	2,800	104,720		20%	20944		6283	16493	785	2094	1257
HDPE pipe	m	680	22,658		20%	4532		1359	3569	170	453	272

equipment and materials for borehole	nr	2	28,305	20%	5661	1698	4458	212	566	340
PVC and HDPE various diameters piping incl. accessories	m	2,800	124,950	20%	24990	7497	19680	937	2499	1499
Wash basin disposal point Pac pipe and fittings up to floor joint box	nr	156	11,603	20%	2321	696	1827	87	232	139
Toilet disposal point including Pac pipe and fittings	nr	216	21,298	20%	4260	1278	3354	160	426	256
Shower basin disposal point including, floor trap for basin, Pac pipe	nr	130	9,669	20%	1934	580	1523	73	193	116
self illuminated sign	nr	50	7,076	20%	1415	425	1115	53	142	85
sign	nr	750	77,456	20%	15491	4647	12199	581	1549	929
signage system including accessories	Package	1	18,250	20%	3650	1095	2874	137	365	219
Composite roofing membrane/HDPE roof outlets	nr	8	2,108	20%	422	126	332	16	42	25
Extruded polystyrene tapered thermal insulation boards	m ²	566	15,282	20%	3056	917	2407	115	306	183
aluminium foil coating	m ²	566	15,282	20%	3056	917	2407	115	306	183
Aluminium coping	m	80	5,780	20%	1156	347	910	43	116	69
steel doors including frames and accessories	nr	13	12,870	20%	2574	772	2027	97	257	154
Internal Door Sets - different sizes incl. accessories	nr	12	7,200	20%	1440	432	1134	54	144	86
Galvanized steel strip ladder 5500 mm height	nr	1	2,250	20%	450	135	354	17	45	27
Galvanized steel access hatch 1000X1000 mm incl. upstand	nr	1	553	20%	111	33	87	4	11	7
Galvanized steel mesh partition	nr	1	1,775	20%	355	106	280	13	35	21
Galvanized steel chequerplate	m	60	7,191	20%	1438	431	1133	54	144	86
Acoustic mineral fibre tiles	m ²	100	2,678	20%	536	161	422	20	54	32
Internal base coat cement plaster for walls	m ²	500	6,630	20%	1326	398	1044	50	133	80
Porcelain tiles	m ²	400	6,545	20%	1309	393	1031	49	131	79
paint and coating	m ²	250	3,825	20%	765	230	602	29	77	46
Wooden acoustic baffles	m ²	400	217,600	20%	43520	13056	34272	1632	4352	2611

Acoustic wood wool cement panels 1200x600 mm	m ²	600	43,350	20%	8670	2601	6828	325	867	520
AC Valves	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
VRV or Chillers based AC Daikin or equivalent Equipment	package	1	1,500,000	20%	300000	90000	236250	11250	30000	18000
AC Supports	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
Fans	package	1	25,650	20%	5130	1539	4040	192	513	308
Distribution elements	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
MCC	package	1	65,000	20%	13000	3900	10238	488	1300	780
AC Pipes	package	1	325,000	20%	65000	19500	51188	2438	6500	3900
BMS equipment for AC	package	1	150,000	20%	30000	9000	23625	1125	3000	1800
BMS Cables + installation	package	1	36,000	20%	7200	2160	5670	270	720	432
Pumps	package	1	36,000	20%	7200	2160	5670	270	720	432
Expansion Tank	package	1	3,600	20%	720	216	567	27	72	43
Installation Accessories	package	1	54,000	20%	10800	3240	8505	405	1080	648
condensing units for Operating theatres	nr	8	157,600	20%	31520	9456	24822	1182	3152	1891
Air Handling unit for Operating theatres	nr	8	286,400	20%	57280	17184	45108	2148	5728	3437
insulate refrigerant pipes fittings and accessories, pipe supports, brackets and hangers	m	8,500	227,588	20%	45518	13655	35845	1707	4552	2731
indoor units drain incl. termination points, PVC pipes, fittings and accessories	m	3,600	59,976	20%	11995	3599	9446	450	1200	720
Duct incl. necessary accessories	m2	15,000	270,000	20%	54000	16200	42525	2025	5400	3240
air curtain	nr	7	1,583	20%	317	95	249	12	32	19
volume control dampers	nr	280	93,296	20%	18659	5598	14694	700	1866	1120
Sundry installation materials including brackets, flanges, rivets, gaskets, bolts, nuts, washers	sum	1	25,000	20%	5000	1500	3938	188	500	300
Fire dumpers	nr	85	41,472	20%	8294	2488	6532	311	829	498
electric cabling for Air Conditioning	Sum	1	70,000	20%	14000	4200	11025	525	0	840
Toilets exhaust fans / kitchen ventilation	Sum	1	57,120	20%	11424	3427	8996	428	0	685

Pressurization - blowers to create positive pressure in emergency escape route (fire rated)	Sum	1		95,350	20%	18000	5000	14059	700	0	1120
HV panel incl. cabling and accessories	nr	1	40,000	20%	8000	2400	6300	300	0	480	
Power transformer	nr	2	180,000	20%	36000	10800	28350	1350	0	2160	
Emergency power generator 1500 KVA (N+1) - complete unit	unit	3	1,036,800	5%	51840	54432	142884	7776	0	10886	
Electrical cable 2500A + accessories	m	35	26,250	20%	5250	1575	4134	197	0	315	
Accessories and materials for fuel tank	unit	4	162,000	20%	32400	9720	25515	1215	3240	1944	
Synchronization panel	unit	1	33,750	20%	6750	2025	5316	253	0	405	
Low voltage cabling YM21K B2ca 5 x 6	m	35	368	20%	74	22	58	3	0	4	
Low voltage cabling connections	unit	2	40	20%	8	2	6	0	0	0	
Static No-break UPS MER A (15 min autonomy) - 80KVA	KVA	1	45,000	20%	9000	2700	7088	338	0	540	
Electric Distribution Board (EDB) UPS MER A	unit	1	2,000	20%	400	120	315	15	0	24	
Low voltage cabling YM21K B2ca 5 x 70	m	30	2,250	20%	450	135	354	17	0	27	
Low voltage cabling connections	unit	2	100	20%	20	6	16	1	0	1	
Static No-break UPS MER B (15 min autonomy) -80KVA	KVA	1	45,000	20%	9000	2700	7088	338	0	540	
Electric Distribution Board (EDB) UPS MER B	unit	1	2,000	20%	400	120	315	15	0	24	
Low voltage cabling YM21K B2ca 5 x 70	m	242	18,150	20%	3630	1089	2859	136	0	218	
Low voltage cabling connections	unit	4	200	20%	40	12	32	2	0	2	
YM21K B2ca 5 x 70	unit	4	200	20%	40	12	32	2	0	2	
Static No-break UPS imaging service (15 min autonomy) - 90KVA	KVA	1	50,000	20%	10000	3000	7875	375	0	600	
Electric Distribution Board (EDB) UPS Imaging service	unit	1	2,100	20%	420	126	331	16	0	25	

Low voltage cabling connections YMZ1K B2ca 5 x 70	unit	4	200	20%	40	12	32	2	0	2
Low voltage cabling EDB SER YMZ1K B2ca 5 x 50	m	1,386	83,160	20%	16632	4990	13098	624	0	998
Low voltage cabling connections YMZ1K B2ca 5 x 50	unit	32	1,280	20%	256	77	202	10	0	15
Low voltage cabling UPS OT medical YMZ1K B2ca 5 x 6	m	880	9,240	20%	1848	554	1455	69	0	111
Low voltage cabling connections YMZ1K B2ca 5 x 6	unit	16	160	20%	32	10	25	1	0	2
Safety grounding and equipotential bonding	lot	1	20,000	20%	4000	1200	3150	150	0	240
Lightning protection	lot	1	30,000	20%	6000	1800	4725	225	0	360
Grounding HV room	unit	1	5,000	20%	1000	300	788	38	0	60
Grounding LV room	unit	3	15,000	20%	3000	900	2363	113	0	180
Grounding Trafo room	unit	2	10,000	20%	2000	600	1575	75	0	120
Grounding kitchen/freezers/laundry	unit	12	960	20%	192	58	151	7	0	12
Grounding bathrooms	unit	103	8,240	20%	1648	494	1298	62	0	99
Grounding SER/MER	unit	9	720	20%	144	43	113	5	0	9
Medical grounding G3	unit	10	800	20%	160	48	126	6	0	10
Medical grounding G2	unit	25	2,000	20%	400	120	315	15	0	24
Medical grounding G1	unit	25	2,000	20%	400	120	315	15	0	24
Medical grounding G0	unit	300	24,000	20%	4800	1440	3780	180	0	288
Potential equalization A	unit	131	10,480	20%	2096	629	1651	79	0	126
Potential equalization B	unit	934	74,720	20%	14944	4483	11768	560	0	897
Potential equalization C	unit	32	2,560	20%	512	154	403	19	0	31
Signaltableus Medical Transformers	unit	10	800	20%	160	48	126	6	0	10
Medical panels	unit	312	24,960	20%	4992	1498	3931	187	0	300
Cable trays:										
> 300mm	m	3,632	217,920	20%	43584	13075	34322	1634	0	2615
> 600mm	m	2,086	250,320	20%	50064	15019	39425	1877	0	3004
< 300mm	m	2,024	60,720	20%	12144	3643	9563	455	0	729
Cabinet connections	unit	50	7,500	20%	1500	450	1181	56	0	90

facilities (estimated separately)																				
Bed wall panel for 2 beds; bare, without facilities (estimated separately)	unit	66	6,600	20%	1320	396	1040	50	132				79							
Bed wall panel for 2 beds; bare, without facilities (estimated separately)	unit	2	200	20%	40	12	32	2	4				2							
Floor connection box + pips	unit	50	20,000	20%	4000	1200	3150	150	0				240							
Energy distribution medium voltage																				
High/Medium voltage distributor (RMU)	unit	1	100,000	20%	20000	6000	15750	750	0				1200							
Measuring device energy (bulk meter)	unit	1	20,000	20%	4000	1200	3150	150	0				240							
Medium voltage cabling (incoming / ring / transformer)	m	250	37,500	5%	1875	1969	5168	281	0				394							
Transformer oil type 1600 kVA	unit	2	90,000	5%	4500	4725	12403	675	0				945							
Main distributor																				
Low voltage main distributor	unit	1	35,000	20%	7000	2100	5513	263	0				420							
Electrical cable 2500A + accessories	m	30	22,500	20%	4500	1350	3544	169	0				270							
Sub main distributor																				
Low voltage sub-main distributor	unit	2	300,000	20%	60000	18000	47250	2250	0				3600							
Low voltage cabling main-distributor / sub main-distributor	m	260	84,500	20%	16900	5070	13309	634	0				1014							
Electric distribution boards																				
Electric distribution board 25A (8...12 end groups)	unit	1	1,500	20%	300	90	236	11	0				18							
Electric distribution board 40A (16...20 end groups)	unit	3	6,000	20%	1200	360	945	45	0				72							
Electric distribution board 63A (25...35 end groups)	unit	11	27,500	20%	5500	1650	4331	206	0				330							
Electric distribution board 80A (40...50 end groups)	unit	23	69,000	20%	13800	4140	10868	518	0				828							
Electric distribution board 200A (25...30 end groups)	unit	2	20,000	20%	4000	1200	3150	150	0				240							
Electric distribution board 250A (40...50 end groups)	unit	1	15,000	20%	3000	900	2363	113	0				180							

(40...50 end groups)	unit	1	30,000	20%	6000	1800	4725	225	0	360
Electric distribution board 1600A (15...20 end groups)	unit	1	90,000	20%	18000	5400	14175	675	0	1080
Electric distribution board 2000A (15...20 end groups)	unit	1	120,000	20%	24000	7200	18900	900	0	1440
CAT6 / 7 cable	m	126,000	113,400	20%	22680	6804	17861	851	0	1361
TV point i RG40 cable, termination from floor junction box to single socket included	nr	250	10,115	20%	2023	607	1593	76	0	121
Medical transformer boards										
Medical transformer boards (63A-1 room), including 20 medical transformers	unit	6	12,000	20%	2400	720	1890	90	0	144
Medical transformer boards (125A-2 rooms), including 30 medical transformers	unit	2	6,000	20%	1200	360	945	45	0	72
Busbars										
Busbars 2500 + accessories	m	130	65,000	20%	13000	3900	10238	488	0	780
Busbars 3200 + accessories	m	130	78,000	20%	15600	4680	12285	585	0	936
Low voltage cabling										
Low voltage cabling YMZ1K B2ca 5 x 2,5	m	420	2,226	20%	445	134	351	17	0	27
Low voltage cabling connections YMZ1K B2ca 5 x 2,5	unit	24	240	20%	48	14	38	2	0	3
Low voltage cabling YMZ1K B2ca 5 x 6	m	365	3,833	20%	767	230	604	29	0	46
Low voltage cabling connections YMZ1K B2ca 5 x 6	unit	22	440	20%	88	26	69	3	0	5
Low voltage cabling YMZ1K B2ca 5 x 10	m	444	5,994	20%	1199	360	944	45	0	72
Low voltage cabling connections YMZ1K B2ca 5 x 10	unit	8	240	20%	48	14	38	2	0	3
Low voltage cabling YMZ1K B2ca 5 x 16	m	370	7,400	20%	1480	444	1166	56	0	89
Low voltage cabling connections YMZ1K B2ca 5 x 16	unit	10	300	20%	60	18	47	2	0	4
Low voltage cabling YMZ1K B2ca 5 x 25	m	195	7,605	20%	1521	456	1198	57	0	91

YM21K B2ca 5 x 25	unit	14	560	20%	112	34	88	4	0	7
Low voltage cabling YM21K B2ca 5 x 35	m	2,101	100,848	20%	20170	6051	15884	756	0	1210
Low voltage cabling connections YM21K B2ca 5 x 35	unit	48	1,920	20%	384	115	302	14	0	23
Low voltage cabling YM21K B2ca 5 x 50	m	1,099	65,940	20%	13188	3956	10386	495	0	791
Low voltage cabling connections YM21K B2ca 5 x 50	unit	36	1,800	20%	360	108	284	14	0	22
Low voltage cabling YM21K B2ca 5 x 70	m	1,837	143,286	20%	28657	8597	22568	1075	0	1719
Low voltage cabling connections YM21K B2ca 5 x 70	unit	94	4,700	20%	940	282	740	35	0	56
Low voltage cabling YM21K B2ca 5 x 95	m	265	35,775	20%	7155	2147	5635	268	0	429
Low voltage cabling connections YM21K B2ca 5 x 95	unit	12	720	20%	144	43	113	5	0	5
Low power equipment										
Cabling 3 x 2,5 mm B2Ca	m	52,780	126,672	20%	25334	7600	19951	950	0	1520
Cabling 5 x 4...25 mm2 B2ca	m	1,680	27,720	20%	5544	1663	4366	208	0	333
Wall socket 3p+N+PE 16A/400V + accessories	unit	35	1,750	20%	350	105	276	13	0	21
Wall socket 3p+N+PE 25A/400V + accessories	unit	3	300	20%	60	18	47	2	0	4
Wall socket 3p+N+PE 32A/400V + accessories	unit	2	200	20%	40	12	32	2	0	2
Wall socket 3p+N+PE 63A/400V + accessories	unit	2	400	20%	80	24	63	3	0	5
Wall socket 1-way, 1p+N+PE 16A/230V + accessories	unit	3,207	8,018	20%	1604	481	1263	60	0	96
Wall socket 1-way, 1p+N+PE 16A/230V sep. Group + accessories	unit	179	1,969	20%	394	118	310	15	0	24
Wall socket 2-way, 1p+N+PE 16A/230V + accessories	unit	765	4,208	20%	842	252	663	32	0	55
Wall socket 2-way, 1p+N+PE 16A/230V sep. Group + accessories	unit	15	165	20%	33	10	26	1	0	2
Wall socket 3-way, 1p+N+PE 16A/230V + accessories	unit	380	3,040	20%	608	182	479	23	0	36

Empty facilities + tubes	unit	272	1,360	20%	272	82	214	10	0	16
Connections points bed wall panels	unit	248	1,240	20%	248	74	195	9	0	15
Lighting										
Local light cabling 230V, 3x 1,5 mm ² , B2ca	m	23,390	39,763	20%	7953	2386	6263	298	0	477
Local BMS cabling 10 x 1,5 mm ² B2ca	m	4,700	49,350	20%	9870	2961	7773	370	0	592
Link Building Management System with Dall	unit	1	80,000	20%	16000	4800	12600	600	0	960
Lighting fixtures LED (mix hospital)	unit	4,678	280,680	20%	56136	16841	44207	2105	0	3368
Switching panel (Dall based)	unit	1	10,000	20%	2000	600	1575	75	0	120
Emergency lighting cabling 230V, 3x 1,5 mm ² , B2ca	m	9,015	15,326	20%	3065	920	2414	115	0	184
Emergency lighting decentralized separate battery, LED (mix hospital)	unit	601	90,150	20%	18030	5409	14199	676	0	1082
Bed wall panels	unit	248	12,400	20%	2480	744	1953	93	0	149
Facilities panels	unit	44	2,200	20%	440	132	347	17	0	26
Operation theatre panel	unit	50	50,000	20%	10000	3000	7875	375	0	600
lifts	Unit	8	1,028,840	20%	205768	61730	162042	7716	0	12346
medical waste treatment systems	Unit	1	275,400	20%	55080	16524	43376	2066	0	3305
WALK-IN CHILLER	nr	3	27,000	20%	5400	1620	4253	203	0	324
WALK-IN FREEZER	nr	1	9,900	20%	1980	594	1559	74	0	119
REFRIGERATOR	nr	10	22,000	20%	4400	1320	3465	165	0	264
VERTICAL SLIM TYPE DEEP FREEZER	nr	6	18,000	20%	3600	1080	2835	135	0	216
WALK IN COLDROOM WALL DRAINAGE BOX	nr	4	18,000	20%	3600	1080	2835	135	0	216
EXTRACTIONMOTOR & FRESH AIR SUPPLY	nr	2	40,000	20%	8000	2400	6300	300	0	480
COMBI STEAM OVEN	nr	3	90,000	20%	18000	5400	14175	675	0	1080
ELECTRIC BOILING PAN	nr	2	6,000	20%	1200	360	945	45	0	72
ELECTRIC BRATT PAN	nr	1	3,000	20%	600	180	473	23	0	36
CONVEYOR TYPE DISHWASHER incl. accessories	nr	1	7,500	20%	1500	450	1181	56	0	90
other kitchen electric equipment and accessories	sum	1	220,000	20%	44000	13200	34650	1650	0	2640

aluminium shelf	nr	8	2,823	20%	565	169	445	21	56	34
flatwork ironer	nr	2	24,992	20%	4998	1500	3936	187	500	300
ironing board with vacuum, boiler and one hand iron	nr	3	4,620	20%	924	277	728	35	92	55
laundry cart	nr	11	1,442	20%	288	87	227	11	29	17
sewing machine	nr	4	5,421	20%	1084	325	854	41	108	65
tumbler dryer	nr	2	34,848	20%	6970	2091	5489	261	697	418
washer extractor	nr	1	14,696	20%	2939	882	2315	110	294	176
other laundry equipment and accessories	sum	1	60,000	20%	12000	3600	9450	450	1200	720
pipes - fire protection systems type A	m	4,500	315,000	20%	63000	18900	49613	2363	6300	3780
pipes - fire protection systems type b	m	180	25,200	20%	5040	1512	3969	189	504	302
Accessories for fire protection and detection system incl. T-pieces, Elbows, Concentric Reducers, control valves, alarm Control Valves, by-pass valve arrangement, supervised gear-operated butterfly valves, flow switch, pressure gauges, twin booster connections, drain test valves, alarm bongs, piping, lockable valves	package	1	109,000	5%	5450	5723	15022	818	0	1145
Sprinkler heads	nr	1,750	14,000	20%	2800	840	2205	105	280	168
upright sprinkler	nr	550	6,600	20%	1320	396	1040	50	132	79
side wall sprinkler	nr	50	1,100	20%	220	66	173	8	22	13
flexible hose connecting from pipe to sprinkler head	nr	1,750	26,250	20%	5250	1575	4134	197	525	315
Fire Hydrant complete brass right angle fire and all accessories	nr	68	42,772	20%	8554	2566	6737	321	855	513
fire fighting indoor station including piping, rubber hose and accessories	nr	85	63,240	20%	12648	3794	9960	474	1265	759

Trusses, equipped with variable frequency drive, pressure transmitters and control panels	package	1		55,930	20%	11186	3356	8809	419	1119	671
jockey pump system with accessories	package	1	26,010	20%	5202	1561	4097	195	520	312	
High yield reinforcement bar	kg	102,010	132,613	20%	26523	7957	20887	995	2652	1591	
Polystyrene Panel	m2	1,074	13,152	20%	2630	789	2071	99	263	158	
Polyethylene	m2	1,074	2,466	20%	493	148	388	18	49	30	
Trusses	package	1	44,982	20%	8996	2699	7085	337	900	540	
Insulation Material	package	1	33,320	20%	6664	1999	5248	250	666	400	
Roofing Sheets	package	1	25,823	20%	5165	1549	4057	194	516	310	
PVC gutter and Down pipes	package	1	4,998	20%	1000	300	787	37	100	60	
Windows various sizes	package	76	7,600	20%	1520	456	1197	57	152	91	
Aluminum Railing	m	26	2,652	20%	530	159	418	20	53	32	
Plaster board	m2	1,160	60,320	20%	12064	3619	9500	452	1206	724	
Main entrance door	nr	2	5,800	20%	1160	348	914	44	116	70	
External / security door	nr	48	53,280	20%	10656	3197	8392	400	1066	639	
Internal doors	nr	212	101,760	20%	20352	6106	16027	763	2035	1221	
Window Type A	nr	152	36,480	20%	7296	2189	5746	274	730	438	
Window Type B	nr	33	13,860	20%	2772	832	2183	104	277	166	
Window Type C	nr	72	10,800	20%	2160	648	1701	81	216	130	
Ceramic floor tiles	m2	4,115	65,846	20%	13169	3951	10371	494	1317	790	
Toilet disposal point Pac pipe and fittings	nr	48	5,875	20%	1175	353	925	44	118	71	
Shower basin disposal point including PVC pipe, joint box and fittings	nr	48	4,284	20%	857	257	675	32	86	51	
Wash basin disposal point including Pac pipe plastic siphon, floor joint box and fittings	nr	72	6,426	20%	1285	386	1012	48	129	77	
Kitchen sink disposal point including Pac pipe plastic siphon, floor joint box and fittings	nr	24	2,203	20%	441	132	347	17	44	26	
Washing machine disposal point including Pac pipe plastic siphon, floor joint box and fittings	nr	24	2,142	20%	428	129	337	16	43	26	

fittings up																			
Sewage PVC pipe including elbows, Tees and accessories	m	905	43,078	20%	8616	2585	6785	323	862	517									
Apartment multilayer plastic and aluminum pipe - various types and diameters	m	1,974	27,636	20%	5527	1658	4353	207	553	332									
H/C water point	pcs	360	68,544	20%	13709	4113	10796	514	1371	823									
Steel pipe - various diameters	m	32	3,237	20%	647	194	510	24	65	39									
Floor level manifold for water supply	sum	10	7,735	20%	1547	464	1218	58	155	93									
Booster pump	pc	2	714	20%	143	43	112	5	14	9									
fire hose reels	pc	3	1,964	20%	393	118	309	15	39	24									
fire hydrant	pc	3	2,642	20%	528	159	416	20	53	32									
water tank heater	pc	24	5,712	20%	1142	343	900	43	114	69									
Faucet hot/cold Single lever basin set of Shower mixer, water punch, pole, bar, hose and slider	Pc	96	11,750	20%	2350	705	1851	88	235	141									
Monoblock floor toilet, P-trap, ceramic	pc	48	9,792	20%	1958	588	1542	73	196	118									
Single stainless steel Kitchen sink	pc	48	12,096	20%	2419	726	1905	91	242	145									
Hand Wash Basin Ceramic	pc	72	5,616	20%	1123	337	885	42	112	67									
Shower tray 900 x 900mm, ceramic	pc	48	5,616	20%	1123	337	885	42	112	67									
Bottom Kitchen Cabinet including drawers and doors	pc	24	32,640	20%	6528	1958	5141	245	653	392									
Synthetic Marble Kitchen countertop	pc	24	32,640	20%	6528	1958	5141	245	653	392									
Single Robe hook - chrome plated finish installed with stainless steel screw set	nr	48	845	20%	169	51	133	6	17	10									
Dust Bin Soft Close 5 L stainless steel 304 Satin finish, foot operated and with a plastic carry out insert - 15cm round	nr	48	806	20%	161	48	127	6	16	10									
Toilet Paper Holder for single roll with cover and chrome plated finish installed with stainless steel screw set	nr	48	691	20%	138	41	109	5	14	8									

Ceramic holder cap secure to wall using ring holder chrome plated finish and installed with stainless steel screw set	nr	48	1,382	20%	276	83	218	10	28	17
Towel Ring secured to wall with 25mm holder - chrome plated finish installed with stainless steel set	nr	48	1,382	20%	276	83	218	10	28	17
Single towel bar 700mm long - chrome plated finish installed with stainless steel screw set	nr	48	2,534	20%	507	152	399	19	51	30
Soap Glass holder secured to wall with chrome plated ring holder installed with stainless steel screw set	nr	48	1,498	20%	300	90	236	11	30	18
Flat Frame Glass mirror	nr	48	3,341	20%	668	200	526	25	67	40
portable fire extinguisher	nr	3	150	20%	30	9	24	1	3	2
safety signs	package	2	3,000	20%	600	180	473	23	60	36
LPG cooper piping and accessories	package	2	7,200	20%	1440	432	1134	54	144	86
Wall mounted AC	package	24	24,000	20%	4800	1440	3780	180	480	288
LV Distribution board - type A	package	2	16,120	20%	3224	967	2539	121	322	193
LV Distribution board - type B	package	6	40,020	20%	8004	2401	6303	300	800	480
LV Distribution board - type C	package	24	12,720	20%	2544	763	2003	95	254	153
LED lamps - type A	nr	503	10,060	20%	2012	604	1584	75	201	121
LED lamps - type B	nr	4	720	20%	144	43	113	5	14	9
Ceiling fan	nr	24	1,440	20%	288	86	227	11	29	17
Power Point Items package - type A (fire rated conduit, cable, 13A single socket include	nr	699	27,960	20%	5592	1678	4404	210	559	336
Power Point Items package - type B (fire rated conduit, cable, 13A single socket include, 3x16 amps insulator, AC switch	nr	48	6,720	20%	1344	403	1058	50	134	81
Surface Mounted Communication Box	nr	2	460	20%	92	28	72	3	9	6
Flush Mounted Communication Box incl. cabling, trunking	nr	24	2,400	20%	480	144	378	18	48	29

Surface Mounted Communication Box	nr	2	540	20%	108	32	85	4	11	6
Flush Mounted Communication Box incl. cabling, trunking	nr	24	2,400	20%	480	144	378	18	48	29
Communication point including conduit, CAT 6 cable	nr	24	1,440	20%	288	86	227	11	29	17
Smoke detector	nr	24	1,440	5%	72	76	198	11	0	15
Earthing and lighting protection system	comp	2	4,000	20%	800	240	630	30	80	48
PVC Pipe - Type A, various diameters	m	170	5,780	20%	1156	347	910	43	116	69
PVC Pipe - Type B, various diameters	m	20	476	20%	95	29	75	4	10	6
Fitting for piping	sum	1	1,734	20%	347	104	273	13	35	21
water pump, fitting and accessories	sum	1	23,800	5%	1190	1250	3280	179	0	250
water pump, fitting and accessories	sum	1	8,160	5%	408	428	1125	61	0	86
Electrical cables and accessories for electric system.	sum	1	27,200	20%	5440	1632	4284	204	0	326
Generator and accessories for main power supply	sum	1	44,200	5%	2210	2321	6091	332	0	464
Main supply and distribution panels	sum	2	16,320	5%	816	857	2249	122	0	171
Main supply and distribution cables	sum	2	10,880	5%	544	571	1499	82	0	114
Pipes for electrical cabling	sum	4	5,440	20%	1088	326	857	41	0	65
Street lighting	Units	5	12,750	20%	2550	765	2008	96	0	153
LAN Switches 48P	pcs	36	120,348	20%	24070	7221	18955	903	0	1444
Core and Aggregation switches	pcs	2	30,516	20%	6103	1831	4806	229	0	366
SFP+ 10G	pcs	85	5,440	20%	1088	326	857	41	0	65
ODF (Optical Distribution Frame) fiber cable package	pcs	18	2,808	20%	562	168	442	21	0	34
Pigtails	LOT	1	5,090	20%	1018	305	802	38	0	61
Firewall	PCS	20	600	20%	120	36	95	5	0	7
Management Switch 24 port	PCS	2	13,188	20%	2638	791	2077	99	0	158
WAN Switch 24 port	PCS	1	1,840	20%	368	110	290	14	0	22
	PCS	1	1,840	10%	184	101	266	14	0	20

Wi-Fi Access Point	Pcs	100	203,800	10%	20380	11209	29424	1529	0	2242
Wi-Fi Controller	Pcs	1	36,341	10%	3634	1999	5247	273	0	400
VOIP system / server	LOT	1	10,286	10%	1029	566	1485	77	0	113
IP phone type A	Pcs	100	6,000	10%	600	330	866	45	0	66
IP phone type B	Pcs	100	22,000	10%	2200	1210	3176	165	0	242
IP phone type C	Pcs	50	20,500	10%	2050	1128	2960	154	0	226
Expansion Module for IP phones	Pcs	15	1,185	10%	119	65	171	9	0	13
Gateway cards for IP Phone system	LOT	1	2,500	10%	250	138	361	19	0	28
42U Rack including one/three phase PDUs	Pcs	8	18,304	20%	3661	1098	2883	137	0	220
UPS system for server room / data center	Pcs	1	148,850	5%	7443	7815	20513	1116	0	1563
Electrical Distribution Board system	Lot	1	26,000	20%	5200	1560	4095	195	0	312
Generator 100 KVA	Pcs	1	32,712	5%	1636	1717	4508	245	0	343
AVR (data center)	Pcs	1	25,178	5%	1259	1322	3470	189	0	264
package for additional items for data center such as temp and environment monitor, fire proof plaster boarding, flood sensors, power and communication cables, accessories	Lot	1	14,400	20%	2880	864	2268	108	0	173
Backup Tape Library with package of backup cassettes and cleaning cassettes	Pcs	1	13,000	20%	2600	780	2048	98	0	156
Storage array	Pcs	1	89,638	20%	17928	5378	14118	672	0	1076
Server type A	Pcs	3	64,698	5%	3235	3397	8916	485	0	679
server type B	Pcs	1	25,912	5%	1296	1360	3571	194	0	272
Time and Attendance clocks	Pcs	8	9,097	20%	1819	546	1433	68	0	106
desktop	Pcs	120	120,000	5%	6000	6300	16538	900	0	1260
Printer Type A	Pcs	20	30,000	20%	6000	1800	4725	225	0	360
Printer Type B	Pcs	5	25,000	20%	5000	1500	3938	188	0	300
Printers consumables	package	1	10,000	20%	2000	600	1575	75	0	120
Cabling and accessories	package	1	15,000	20%	3000	900	2363	113	0	180

Cautionnaire control panels 7001, 7002, remote panel, intelligent dialler and power supply, Flaps, ADR cards, Etc.	LOT	1	36,244	5%	1812	1903	4995	272	0	381
Smoke / heat Detector	pcs	1,350	81,000	5%	4050	4253	11163	608	0	851
Remote Signalling Indicator for Analog Addressable Detectors	Pcs	145	2,320	20%	464	139	365	17	0	28
FIRE HORN	Pcs	50	1,950	20%	390	117	307	15	0	23
fire alarm call points	pcs	1	60	20%	12	4	9	0	0	1
PUBLIC ADDRESS	Pcs	1	3,250	20%	650	195	512	24	0	39
Package of fire extinguisher systems for electrical boards using AEROSOL	LOT	1	30,000	20%	6000	1800	4725	225	0	360
Cables or fire alarm system	LOT	1	15,000	20%	3000	900	2363	113	0	180
Other accessories for fire alarm system	LOT	1	25,000	20%	5000	1500	3938	188	0	300
PA system including racks with amplifiers	LOT	1	98,326	20%	19665	5900	15486	737	0	1180
PA speakers	pcs	2,400	96,000	20%	19200	5760	15120	720	0	1152
Push to Talk (PTT) Microphone	Pcs	10	2,340	20%	468	140	369	18	0	28
eight (8) button mic	Pcs	16	9,360	20%	1872	562	1474	70	0	112
touchscreen mic	Pcs	4	10,400	20%	2080	624	1638	78	0	125
Network video recording / CCTV system	LOT	1	3,921	5%	196	206	540	29	0	41
Dome / bullet Camera - CCTV	pcs	106	37,100	5%	1855	1948	5113	278	0	390
CAT6/7 cables	LOT	11,700	11,700	10%	1170	644	1689	88	0	129
Other accessories for access control system	LOT	1	15,000	10%	1500	825	2166	113	0	165
24P SWITCH	pcs	8	8,800	10%	880	484	1271	66	0	97
Access control main system, including server, control stations and license	LOT	1	13,000	20%	2600	780	2048	98	0	156
Access control equipment per door - door magnet, card reader, exit button, emergency door release, addressable controller	LOT	50	45,000	20%	9000	2700	7088	338	0	540
Access tags / cards	pcs	1,000	2,400	20%	480	144	378	18	0	29

Power Box	pcs	20	4,400	20%	880	264	693	33	0	53
Medium UPS to support the access control system	pcs	1	3,413	20%	683	205	538	26	0	41
accessories for access control system	LOT	1	12,000	20%	2400	720	1890	90	0	144
Main gate System	package	1	12,000	20%	2400	720	1890	90	240	144
turndstile / human gate	pcs	4	80,000	20%	16000	4800	12600	600	1600	960
arm barrier	pcs	4	14,000	5%	700	735	1929	105	280	147
Nurse Call Button	pcs	350	32,200	20%	6440	1932	5072	242	644	386
nurse Pull Cord	pcs	150	16,050	20%	3210	963	2528	120	321	193
Wireless Light	pcs	150	20,700	20%	4140	1242	3260	155	414	248
signals Repeaters	package	1	8,336	20%	1667	500	1313	63	167	100
LED Display	pcs	13	9,243	20%	1849	555	1456	69	185	111
Nurse Station equipment	pcs	13	88,582	20%	17716	5315	13952	664	1772	1063
BMS server	pcs	1	5,021	5%	251	264	692	38	100	54
BMS workstation	pcs	2	2,232	20%	446	134	352	17	45	27
BMS cards package	pcs	10	15,400	20%	3080	924	2426	116	308	185
converter	pcs	10	3,350	20%	670	201	528	25	67	40
water level detector	pcs	5	6,090	20%	1218	365	959	46	122	73
Small UPS to support the BMS system	pcs	1	1,674	5%	84	88	231	13	0	18
Equipment and machinery for construction										
Excavator - Volvo	unit	4	1,600,000	5%	80000	0	0	12000	0	16800
Backhoe - Volvo	unit	4	480,000	5%	24000	0	0	3600	0	5040
Wheel Loader - Volvo	unit	4	1,200,000	5%	60000	0	0	9000	0	12600
Bobcat - Cat	unit	4	320,000	5%	16000	0	0	2400	0	3360
Forklift - Volvo	unit	4	400,000	5%	20000	0	0	3000	0	4200
Crane 100ton - Terex	unit	1	350,000	5%	17500	0	0	2625	0	3675
Crane 40ton - Terex	unit	2	400,000	5%	20000	0	0	3000	0	4200
Crane 250ton - Terex	unit	1	500,000	5%	25000	0	0	3750	0	5250
Tower Crane - Terex	unit	3	360,000	5%	18000	0	0	2700	0	3780
Cherry Picker Platform - Various	unit	3	120,000	5%	6000	0	0	900	0	1260
Scaffolding System - Various	package	1	500,000	5%	25000	0	0	3750	0	5250
Compactor - Bomag	unit	2	250,000	5%	12500	0	0	1875	0	2625
Motor Grader - CAT	unit	2	400,000	5%	20000	0	0	3000	0	4200

Service trucks - Various	unit	5	600,000	5%	30000	31500	82688	4500	12000	6300
Dumper trucks - Volvo	unit	2	700,000	5%	35000	36750	96469	5250	14000	7350
Concrete batching plant - Various	package	1	250,000	5%	12500	0	0	1875	0	2625
formwork, decking sheets	package	1	500,000	20%	100000	30000	78750	3750	10000	6000
Medical Equipment										
MRI 1.5T	pcs	1	955,152	5%	47758	0	0	7164	19103	10029
CT (64-slides)	pcs	1	521,532	5%	26077	0	0	3911	10431	5476
Mobile Diagnost	pcs	6	634,392	5%	31720	0	0	4758	12688	6661
Mammograph	pcs	1	178,200	5%	8910	0	0	1337	3564	1871
ECG	pcs	2	20,988	5%	1049	0	0	157	420	220
X-ray	pcs	1	153,252	5%	7663	0	0	1149	3065	1609
Panoramic X-Ray Unit	pcs	1	39,600	5%	1980	0	0	297	792	416
Ultrasound	pcs	24	684,288	5%	34214	0	0	5132	13686	7185
C-Arm Image Intensifier	pcs	1	117,612	5%	5881	0	0	882	2352	1235
PACS/RIS equipment	Lot	1	500,000	5%	25000	0	0	3750	10000	5250
Fluoroscopy	pcs	1	318,384	5%	15919	0	0	2388	6368	3333
Dental X-ray	pcs	3	24,000	5%	1200	0	0	180	480	252
Operating table	pcs	8	558,835	5%	27942	0	0	4191	11177	5868
OR-table (moveable)	pcs	1	69,854	5%	3493	0	0	524	1397	733
OR chair (moveable)	pcs	3	209,563	5%	10478	0	0	1572	4191	2200
OR-light (ceiling boom)	pcs	12	314,345	5%	15717	0	0	2358	6287	3301
Anesthesia ceiling boom	pcs	12	164,657	5%	8233	0	0	1235	3293	1729
Anesthesia machine	pcs	12	1,009,750	5%	50488	0	0	7573	20195	10602
Anesthesia cart	pcs	12	45,334	5%	2267	0	0	340	907	476
Surgery - ceiling boom	pcs	9	123,493	5%	6175	0	0	926	2470	1297
Suction machine electrical	pcs	15	264,449	5%	13222	0	0	1983	5289	2777
Auto transfusion unit	pcs	4	118,800	5%	5940	0	0	891	2376	1247
OR control panel	pcs	12	71,280	5%	3564	0	0	535	1426	748
Ventilator Adult ICU	pcs	14	501,205	5%	25060	0	0	3759	10024	5263
Ventilator Adult A&E	pcs	12	199,584	5%	9979	0	0	1497	3992	2096
Ventilator NICU/pediatric	pcs	10	358,004	5%	17900	0	0	2685	7160	3759
Travel ventilator	pcs	1	24,948	5%	1247	0	0	187	499	252
ECG	pcs	1	10,494	5%	525	0	0	79	210	110
Travel incubator	pcs	1	23,760	5%	1188	0	0	178	475	249
Patient monitor ICU	pcs	22	282,051	5%	14103	0	0	2115	5641	2962

Central Station Patient monitor ICU	pcs	4	47,520	5%	2376	0	0	0	356	950	499
Patient monitor HDU (High Dependency Unit)	pcs	12	62,781	5%	3139	0	0	471	1256	659	
Central Station Patient monitor HDU	pcs	2	15,444	5%	772	0	0	116	309	162	
Vitals signs patient monitor on trolley	pcs	10	47,520	5%	2376	0	0	356	950	499	
medical supply unit (High Care, ER)	pcs	36	314,345	5%	15717	0	0	2358	6287	3301	
Autoclave 600 ltr	pcs	2	224,532	5%	11227	0	0	1684	4491	2358	
Autoclave 200 ltr	pcs	2	162,162	5%	8108	0	0	1216	3243	1703	
Washer disinfecter	pcs	4	367,710	5%	18385	0	0	2758	7354	3861	
Ultrasound washer bench	pcs	3	56,668	5%	2833	0	0	425	1133	595	
Packing tables (cleaning and sterile)	pcs	10	62,370	5%	3119	0	0	468	1247	655	
Cart washer	pcs	1	125,928	5%	6296	0	0	944	2519	1322	
Patient bed/Adult with mattress and accessories	pcs	180	566,676	5%	28334	0	0	4250	11334	5950	
Paediatric Bed with mattress and accessories	pcs	38	119,632	5%	5982	0	0	897	2393	1256	
Delivery Bed	pcs	8	99,735	5%	4987	0	0	748	1995	1047	
Exam table / stretchers (high/low)	pcs	33	62,334	5%	3117	0	0	468	1247	655	
Electrical Bed, Recovery/ICU	pcs	34	423,874	5%	21194	0	0	3179	8477	4451	
Physiotherapy table	pcs	3	4,241	5%	212	0	0	32	85	45	
Patient trolley	pcs	16	57,024	0%	0	0	0	428	1140	570	
Wheelchairs standard / Wheelchairs MRI compatible	pcs	52	25,946	0%	0	0	0	195	519	259	
Nursery cots	pcs	18	67,360	20%	13472	0	0	505	1347	808	
Mortuary trolley	pcs	1	3,742	0%	0	0	0	28	75	37	
Couch, examination, gynaecology	pcs	2	5,988	5%	299	0	0	45	120	63	
Intensive care cots NICU	pcs	17	282,744	5%	14137	0	0	2121	5655	2969	
Steam sterilizer 25 l tabletop	pcs	11	121,968	20%	24394	7318	19210	915	5655	1464	
Bowl Sterilizer large	pcs	4	8,870	20%	1774	532	1397	67	106	106	
Deep Freezer	pcs	3	6,653	20%	1331	399	1048	50	80	80	
Refrigerators Pharmacy	pcs	4	8,870	20%	1774	532	1397	67	106	106	
Domestic Refrigerator	pcs	24	26,611	20%	5322	1597	4191	200	319	319	
Refrigerator Medical Storage	pcs	15	33,264	20%	6653	1996	5239	249	399	399	

Hot air oven laboratory	pcs	2	5,544	5%	277	0	0	42	111	58
Centrifuge Electric	pcs	6	13,306	5%	665	0	0	100	266	140
Blood bank centrifuge	pcs	1	2,218	5%	111	0	0	17	44	23
Biosafety Cabinet, Class II	pcs	1	11,088	5%	554	0	0	83	222	116
Corneal Topographic System	pcs	1	6,653	5%	333	0	0	50	133	70
Ophthalmic Ultrasound Scanner	pcs	1	3,326	5%	166	0	0	25	67	35
Ophthalmic Lasers	pcs	1	11,088	5%	554	0	0	83	222	116
Perimeter (Visual Field Analyser)	pcs	1	7,762	5%	388	407	1070	58	155	81
Autopsy table	pcs	1	3,326	5%	166	175	458	25	67	35
Body storage refrigerator-body lifting	pcs	1	44,352	20%	8870	2661	6985	333	887	532
crash cart	pcs	12	66,528	20%	13306	3992	10478	499	1331	798
Instrument cabinet with transparent door	pcs	35	7,762	20%	1552	466	1222	58	155	93
Instrument trolley	pcs	48	53,222	20%	10644	3193	8383	399	1064	639
Bedpan washer	pcs	7	58,212	20%	11642	3493	9168	437	1164	699
Antepartum and Intrapartum foetal monitor (Cardiotocograph machine)	pcs	1	6,098	5%	305	0	0	46	122	64
loose medial equipment, medical furniture and other medical equipment related items	lot	1	1,962,500	5%	98125	0	0	14719	39250	20606
Consumables for medical equipment (include items such as Surgical blades for bistury, Trocar tubes for chest drain, Trocar bladeless sleeves, orthopedics screws and nailing sets, Interlocking screw set, Holmium laser fibers 3mm, disposable plastic speculum, Suction irrigation tubing - arthroscopy set, Glucometer strips, Surgical sutures, ECG disposable electrodes, filters for ventilator, blood collection tubes)	lot	1	380,000	5%	19000	0	0	2850	7600	3990
Utility truck	pcs	1	80,000	5%	4000	4200	11025	600	1600	840

CERTIFICATE

TOTAL TAX LIABILITY=18,799,633 EUROS

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:.....



CHANA REVENUE AUTHORITY

GIDEON GLEY

Date

10-07-2022

CUSTOMS DIVISION

(SNR REV. OFFICER)

ACCRA