



GhIE

GHANA INSTITUTION OF ENGINEERING



MANAGEMENT REPORT

for **2019/2020 COUNCIL YEAR**

Prepared by:

Ing. Kwabena Agyei Agyepong,
OV, FGhIE, M.ASCE Executive Director

**SUSTAINABLE
DEVELOPMENT
GOALS**



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- Paperless Cargo Clearance System.
- Ultra-modern land and sea security system.
- Online Container Movement Tracking System in the Port.
- Social & Industrial Stability .
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The background of the slide is a composite of two aerial photographs. The top half shows a city street scene with a large, circular stadium or arena in the center, surrounded by buildings and trees. The bottom half shows a complex multi-level highway interchange with several overpasses and ramps, with cars visible on the roads. A dark blue diagonal band runs across the middle of the slide, containing the text.

SECTION A

ORDER OF BUSINESS

ORDER OF BUSINESS

- 1.0 OPENING OF AGM & GHIE PRESIDENT'S WELCOME ADDRESS
- 2.0 ADOPTION OF AGENDA
- 3.0 MOTION TO DEFER ELECTIONS FOR TECHNICAL DIVISION
CHAIRPERSONS - 2020/2021
- 4.0 MINUTES OF THE 51ST ANNUAL GENERAL MEETING
 - 4.1 Confirmation of Minutes
 - 4.2 Matters Arising out of Minutes
- 5.0 MANAGEMENT REPORT FOR THE COUNCIL YEAR 2019/2020
- 6.0 FINANCE
 - 6.1 Appointment of New Auditors
 - 6.2 Report of the Auditors for the year-ended December 31, 2019
 - 6.3 Budget for the Year 2020
 - 6.4 Proposals for Subscriptions for the Year 2020
- 7.0 OTHER MATTERS
- 8.0 CLOSING

Welcome Address



Ing. Leslie Alexander Ayeh, FGhIE
President, GhIE

Past Presidents of GhIE,
Council members of the Institution,
Members of the GhIE.

It is my privilege and pleasure to welcome you all as you partake in this Web Annual General Meeting.

As you all know we should have gathered physically as a family as has been our tradition, but due to circumstances beyond our control we cannot. Let us, however, be strengthened from the book of Proverbs, Chapter 16, and the verse 9 (NASB).

The mind of man plans his way,
But the LORD directs his steps.
I can confidently say we appreciate your participation in this cyber meeting. As is said in our local parlance, “when sea dry, go by land”.

The theme of the Conference would have been; Engineering, Key to Achieving the Sustainable Development Goals.

Most of you participated in our Golden Jubilee celebration and you are here again to lend your support as we navigate our journey into the future. Some of us may be present at our Diamond Jubilee, others may not. Nevertheless, the GhIE would continue to forge ahead and live long; even in the absence of some stalwarts.

Global engineering practice acknowledges the dwindling of natural resources and as engineers, we need to think of practices which would ensure sustainable development; even as the appetite for development grows.

A new phase of engineering has developed in this 4th Industrial Revolution with the introduction of Artificial Intelligence. Its introduction and pace have really overwhelmed us; and we, as members of the GhIE, should immediately fashion out programs to sharpen our skills and knowledge in this regard in order that we would not be left behind.

The question on our minds at all times in our workplace is, “Would my products and designs be seen on the Global Market as belonging to the age of the Neanderthals or meeting the needs of the present age.

We have drawn up a strategic plan to enable us meet the challenges on the horizon and thereby ensure our continued relevance in the Ghana beyond Aid agenda whilst we also promote Ghana in its quest to be in the league of successful countries on Planet Earth.

In the last few years, we have participated in international engineering fora in Seattle, Miami, Tunis, Livingstone, and Melbourne; where the common song being sang has been capacity-building (sharpening of skills) and effort to ensure portability of qualifications (globalization of engineering). Ghana is therefore taking steps to ensure our acceptance in the Washington Accord.

To guarantee sustainable growth in the nation's developmental agenda, we have also embarked on efforts to improve the ratio of Engineers in the country by whipping up interest and enthusiasm in engineering by engaging pupils and students of basic and secondary schools. We must safeguard local continuity of our noble profession in the quest for development.

Council has facilitated the coming on board of the Corps of Engineers of the Ghana Armed Forces this year as we embark on fostering the bond between the GhIE and the Engineers in the security agencies.

We envisage that the GhIE would continue to work closely with the Engineering Council to ensure Engineering Practitioners in this country are compliant with the Engineering Council Law.

Welcome once again to possibly the first e-meeting of a Ghanaian professional body.



GhIE

GHANA INSTITUTION OF ENGINEERING

SECTION B

MINUTES OF 51ST ANNUAL GENERAL MEETING



**MINUTES OF THE 51ST ANNUAL GENERAL MEETING (AGM),
HELD ON MARCH 29, 2010 AT VOLTA HOTEL, AKOSOMBO AT 10:00HRS**

ATTENDANCE

S#	NAME	ORGANISATION
1.	Engr. Iloyanomom Mark	NSE
2.	John Yaw Tsikor	Local Government Services
3.	Joseph A. Laryea	TOR
4.	Kobina Takyi Koomson	TOR
5.	Ing. Thomas David Arthur	ACON
6.	Ing. Augustine Boako	GACL
7.	Ing. Maborak Mohammed	GACL
8.	Ing. Roland Gadagoe	VRA – TIPC
9.	Ing. Mrs. Pearl Elikem Obuo	GRIDCO
10.	Ing. Simon O. Martey	VRA
11.	Ing. Opious Ackah	AMS
12.	Ing. Nicholas K. Ofosu	A.M.C.
13.	Ing. Obudjei E. Tetteh	Agroecom
14.	Ing. Morrison E. Essah	GRIDCO
15.	Ing. Richard Esuon	GWCL – Kumasi
16.	Ing. Abdul Rahim Seidu	GWCL – Kumasi
17.	Ing. John Koppoe	GWCL – Kumasi
18.	Ing. M.A. Adombire	JBA Consult
19.	Ing. Francis Donkor	SSNIT
20.	Ing. Rose Achaa Donkor	Local Government
21.	Ing. Ato Debrah	GNPC
22.	Ing. Richard Sakyamah	GNPC
23.	Ms. Adelaide T. Leigh	GSA
24.	Mr. Pius Wogormebu	GSA
25.	Ing. Kweku Dovlo	GPHA
26.	Ing. Evans Cudjoe	GPHA
27.	Ing. Torgbie E. Dzinake II	GPHA
28.	Ing. Donald AshleyN	GRL
29.	Ing. Alfred Rex Quansah	GRFS
30.	Mr. Philip B. Owusu	PDS

S#	NAME	ORGANISATION
31.	Ing. Christine P. Manful	VRA
32.	Ing. Kelvin Tetteh	NPA
33.	Ing. Charles Alampah	GPHA
34.	Ing. Eric Antwi	MRH
35.	Ing. Roland K. Weseh	GPHA
36.	Ing. Eugene O. Ankanah	Fedems
37.	Ing. Peter D. Abaana	GPHA
38.	Ing. Kwame Opoku-Dapaah	GPHA
39.	Ing. Patricia Pokua Sasu	PDS
40.	Ing. Pearl Essel	PDS
41.	Ing. Annabil Buabasa	PDS
42.	Ing. Charles Dzikunu	NEDCo
43.	Ing. Joseph H. Seripenah	GPHA
44.	Ing. K.A. Kwakwa	ACON
45.	Ing. Efua Effah	MRH
46.	Ing. Cynthia Anane	MRH
47.	Ing. Rita Ohene-Sarfoh	MRH
48.	Ing. Mrs. Gloria Apenkwah	GACL
49.	Ing. Dr. E. K. Nyantakyi	UENR
50.	Ing. Prof. Dr. Derkyi	UENR
51.	Ing. Dr. Francis Atiogbe	UENR
52.	Ing. Prince Charles Acquah	KSTU
53.	Mr. Joseph N.A. Lartey	GPHA
54.	Ing. Jonathan Noah-Dometey	Petroleum Commission
55.	Ing. Vincent K. Ahiake	PDS
56.	Ing. Antoinette A. Agboado	CWSA
57.	Ing. Giles Appeadu-Mensah	VRA
58.	Ing. Benjamin Odame Thompson	PDS
59.	Ing. Precious Elorm Ansah	GPHA
60.	Mr. Lawrence Ampem-Darko	SADL
61.	Ing. Daniel Yaw Sarfo	GPHA
62.	Ing. Solomon Oguah	ABP Consult
63.	Ing. Kofi Inkoom	GPHA
64.	Mr. Kweku Afriyie Aboagye	BOST

S#	NAME	ORGANISATION
65.	Mr. Michael Asante-Ampong	PDS
66.	Ing. E. O. Atakoral	DEV
67.	Ing. Kannah Hammond	PDS
68.	Ing. Amy-Esther Attakora Addo	VRA
69.	Ing. Isaac Bedu	VRA
70.	Ing. Isaac Kojo Arthur	VRA
71.	Ms Priscilla E. Abban	ABP Consult
72.	Mr. Bright D. K. Nuhoho	BN Surveys
73.	Mr. Jacob B. Yawson	VRA
74.	Ing. Oduro Ankomah	ABP Consult
75.	Ing. Michael Dedey	First Auto Services Limited
76.	Ms Juliet Akuba	PURC
77.	Ing. Agyemang Darku	VRA
78.	Ing. Gabriel Engmann	GAMA SWP
79.	Ing. Gloria Afua Apedo	GWCL
80.	Ing. Gloria Davies-Ocloo	GWCL
81.	Ing. Regionald A. Ankrah	UCC
82.	Mr. Alex Hayford	GRF
83.	Ing. Mavis Allotey	GPHA
84.	Ing. Andrews Danquah	KSTU
85.	Ing. Kayan Yussif	LGS
86.	Eng. Kazawadi Papias	ER
87.	Ing. Harriette Amissah-Arthur	Arthur Energy
88.	Ing. Kwaku Boampong	ABP Consult
89.	Ing. Alexander Awuviri	GRIDCO
90.	Ing. Ada Asomontsi	VRA
91.	Ing. Ben R. Aniagyei	B.R.A. & Associated
92.	Ing. Kobina B. Annan	VRA
93.	Ing. F. Asare-Yeboah	ACON
94.	Ing. Frank Osei-Kofi	TOR
95.	Ing. Emmanuel Tettey Narh	GRIDCo
96.	Ing. Charles K. Asafo-Adjei	COCOBOD
97.	Ing. Seth K. Quartey	ALC Services
98.	Ing. Daniel Ashitey	CRIG

S#	NAME	ORGANISATION
99.	Ing. Philip Tetteh Padi	VRA
100.	Ing. Dr. Kwame Boakye	Private
101.	Ing. Dr. Prince O. Ansah	KSTU
102.	Ing. Prof. Mark Adom-Asamoah	KNUST
103.	Ing. Samuel Carl Quarshie	TOR
104.	Ing. Kwabena A. Boateng	GWCL
105.	Ing. Eric Agyemah	PDS
106.	Ing. Mawunyo Akwetey	PDS
107.	Ing. Kingsford D. Laryea	UJE
108.	Ing. Jabesh Amissah-Arthur	Arthur Energy
109.	Ing. Anuah F. Isaac	ABP
110.	Ing. Peter Daquah	Delin Consult
111.	Ing. Mrs. Joyce Oturoku	GN Power
112.	Ing. Edward Ocloo	PDS
113.	Ing. Gordon Amartey	GHA
114.	Ing. Afua Adwubi Thompson	VRA
115.	Ing. Dr. Stephen O. Kwakye	KSTU
116.	Mr. Benjamin Amoah Ntow	VRA
117.	Ing. Benjamin K. Klorrey	VRA
118.	Ing. Enoch Tibu-Asiamah	VRA
119.	Ing. Angela Hayford	CWSA
120.	Ing. Bismark Siabi-Mensah	CWSA
121.	Ing. Frank K. Pinto	VRA
122.	Mr. Festus Anin Addo	VRA
123.	Ing. Daniel Addo Nartey	African Mining Service
124.	Ing. Joseph Ige	AMS
125.	Ing. Joseph Oddei	AESL
126.	Ing. Mark Pim-Wusu	ATU
127.	Mr. Samuel Amu	VRA
128.	Mr. Samuel A. Odame	PDS
129.	Mr. George Lutterodt	MRH
130.	Ing. Peter K. Deku	COIL
131.	Ing. Yingor Agordekpe	WLCL
132.	Ing. Samuel Gikunoo	GWCL

S#	NAME	ORGANISATION
133.	Ing. Joseph E. Hiezal	DFR
134.	Ing. Joseph E. Jonah	CWSA
135.	Ing. Elizabeth Acquah	GACL
136.	Ing. Samuel K. Asare	GACL
137.	Ing. Dominic Donu	GNPC
138.	Ing. Mrs. Nana Denkyia Baeta	GNPC
139.	Ing. Alexander Kofi Trornu	DMS (Direct Materials Supplies Ltd)
140.	Ing. Cdr. Stephen A. Seidu	GPHA
141.	Ing. Sylvester Inkoom	NPA
142.	Ing. Mawusi Nelson Obuo	TOR
143.	Ing. John Kwesi Agyeman	KNUST
144.	Ing. Peter Kofi Fletcher	PDS
145.	Ing. Lt. Cdr. Kwabla Kpesese (Rtd)	GPHA
146.	Ing. Eric Afreh Mensah	GPHA
147.	Ing. Jude Bruce-Laphia	GPHA
148.	Ing. Yaw Okyere Akomeah	NPA
149.	Ing. John Ashford Inkoom	GPHA
150.	Mr. Mawuli Anthony	FEDEMS
151.	Mr. Kwaku Yeboah Danso	Federns Limited
152.	Ing. Harry Atta-Motte	Newmont
153.	Ing. Joseph Annor	Multithread ICT Solutions
154.	Ing. Etse Tamakloe	GACL
155.	Ing. Michael Jackson	GACL
156.	Ing. Dr. Enyonam Kpekpena	PDS
157.	Ing. Abena S. Addoboah	PDS
158.	Ing. Dr. Essel Ben Hagan	Consultant
159.	Ing. Michael Obeng Konadu	Mobekon Geo
160.	Ing. Mac-Doe Hanyabui	GWCL
161.	Ing. Yaw Opoku-Mensah	ACON
162.	Ing. Antwi Samuel Yao	GRIDCo
163.	Ing. Mrs. Carlien Bou-Chedid	
164.	Ing. E. Offei-Annor	MRH
165.	Ing. Rosby Kome-Mensah	MRH

S#	NAME	ORGANISATION
166.	Ing. Richard Gamadeku	ACON
167.	Ing. John Abu-Gyansah	GWCL
168.	Ing. Patrick Ntow Yeboah	GWCL
169.	Ing. Yaw Nimako Amoah	GWCL
170.	Mr. Kenneth Ofosu-Kweku	ABP Consult
171.	Mr. Cherub Aboagye	ABP Consult
172.	Mr. Kwadwo Appiah Mensah	ABP Consult
173.	Ing. Prof. John Kwasi Afriyie	KsTU
174.	Ing. Kwabena Bempong	ACON
175.	Ing. Sam-Nelson Asiedu	KsTU
176.	Ing. Adjei-Safon K. Edmund	KsTU
177.	Ing. Ibrahim Seidu	MRH
178.	Ing. Abdul Karim Mumuni	Asanko Gold
179.	Ing. David Oturoku	VRA
180.	Mr. Daniel Antwi	PDS
181.	Ing. Sophia Enyan	GPHA
182.	Mr. Jonas K. Ayi	SADL
183.	Ing. Franklin Agbomator	MRH
184.	Ing. Emmanuel D. Akabuah	PDS
185.	Ing. Samuel Nii Adu Sarpeh	SADL
186.	Ing. Stephen Ampaw	GPHA
187.	Ing. Vincent Abbey	GPHA
188.	Ing. Kekeli Kojo Kugbe	NGRL
189.	Ing. Prince Addae-Badu	NGRL
190.	Ing. Charles Nimako Boateng	PDS
191.	Ing. Naa Larkai Quaye-Ballard	BRRI
192.	Ing. Naki Tetteh-Anowie	ACON
193.	Ing. Nana Brenyah Boakye	ACON
194.	Ing. Godlove Odai Laryea	PDS
195.	Ing. Emmanuel Fiati	PURC
196.	Ing. Pascal B. Annor	SSGL
197.	Ing. K. B. Boampong	SSGL
198.	Ing. Ebenezer Haizel	
199.	Ing. Ebenezer Allotey	MMT

S#	NAME	ORGANISATION
200.	Ing. Nana Yaw Anane-Binfoh	VRA
201.	Ing. Augustine Asamah	VRA
202.	Ing. Hector Boye	TenStep
203.	Ing. William Amuna	MiDA
204.	Ing. Tanak Sam-Abakah	UMB Bank
205.	Ing. Timothy Alhassan	KsTU
206.	Ing. Richmod Lamtey	TOR
207.	Ing. Seth Bortier Tawiah	GACL
208.	Ing. Peter Boamah Okyere	GACL
209.	Ing. Richard Atiogbe	CWSA
210.	Ing. Steve A. Amoaning-Yankson	MDC
211.	Ing. Mrs. Irina Odame	Tropical Cable
212.	Ing. Julius Borkloe	KsTU
213.	Ing. Kweku Asmah	Process & Plant Automation
214.	Ing. Michael Krakue	ADIR Consortium
215.	Ing. Seth Attram-Danso	Project Plus Consult
216.	Mr. Enoch Yeboah Agyepong	MiDA
217.	Ing. Sampson Asare	TOR
218.	Ing. Ernest Awumyo-King	GPHA
219.	Ing. W.E.O. Apatu	Proconsult Limited
220.	Ing. John Adjei	Energy Commission
221.	Ing. David A. Siaw	NGRL
222.	Ing. Prof. B.A. Ntim	AIT
223.	Ing. Joseph-Obeng Kwakye	VRA
224.	Ing. Akua Akosah	Golder Associates
225.	Mr. Kwabena T. Karkari-Yeboah	VRA
226.	Ing. Ahmed Abdulai	VRA
227.	Ing. Theo Nii Okai	NPG/VRA
228.	Ing. Ludwig A. Hesse	SADL
229.	Ing. Peter F. Aganu	ABP Consult
230.	Ing. Emmanuel K. Salifu	ADMA
231.	Ing. Felicia Ankrah Quarm	PDS
232.	Ms. Priscilla Adjei-Darko	MiDA
233.	Ing. Teresa Mabel Kyei-Mensah	MiDA

S#	NAME	ORGANISATION
234.	Ing. Mac-Doe Hanyabai	GWCL
235.	Ing. Issifu Baba Abu	Mantrac Gttana
236.	Ing. Mike K. Nelson	Private
237.	Ing. Dennis S. Anyomi	VRA
238.	Ing. Richard Ashong	VRA
239.	Ing. Peter Deno	TOR
240.	Ing. Berchmans Ackom-Quansa	GWCL
241.	Ing. G. Sarfo-Mainoo	KSTU
242.	Ing. Joseph K. Mensah	Trojan Power
243.	Mr. Kofi Mensa-Bonsu	ABP Consult
244.	Ing. Benjamin Anim	KSTU
245.	Ing. Joseph Ebow Dadzie	KSTU
246.	Ing. Christian Dzikunu	PDS
247.	Ing. Benjamin N.O. Dodou	PDS
248.	Ing. Joseph Kwame Lewballah	KSTU
249.	Ing. Mirian Korantema Amponsah	ECG
250.	Ing. Samuel Agyapong	PDS
251.	Ing. Enoch Yaw Asante	PDS
252.	Ing. Thelma Ayisi	St. Annes Development Ltd
253.	Ing. Dorothy A. Kwakye-Ameyaw	GPHA – Takoradi
254.	Ing. John Awotwi	UENR
255.	Ing. Mensah Akaho	PDS
256.	Ing. Enoch E. Atukornu	SSNIT
257.	Ewurafua Nyarkoa Pels	St. Annes Developmet Ltd.
258.	Ing. Dr. Robert Adjaye	Aurecon
259.	Ing. S. M. Asiedu	Impact Technology
260.	Ing. Roland Sackey	Process & Plant
261.	Ing. Anafo Christopher	PDS
262.	Ing. Ebenezer N. Addy	PDS
263.	Ms Jean B. Nyaku	ABP Consult
264.	Nana Yaw Antwi-Boasiako	ABP Consult
265.	Ing. Rev. Dr. Charles Adams	KNUST – TRECIC
266.	Ing. David Arthur	Process & Plant
267.	Ing. Ohene Boateng Atakora-Manu	ABP Consult

S#	NAME	ORGANISATION
268.	Ing. Samuel A. Twum	SSNIT
269.	Ing. Collins A. Obeng	VRA
270.	Ing. Aaron Ben Hanson	PSD
271.	Ing. Solomon Dawutey	MDC
272.	Ing. Isaac Justice Mintah	MDC
273.	Ing. Albert A. Ogyiri	ABP Consult
274.	Ing. Dr. Patrick Bekoe	DFR
275.	Ing. Stephen Owiah	GPHA
276.	Ing. Samuel B. Dadzie	VRA
277.	Ing. George Dzotepe	VRA
278.	Ing. Agbenyegeh Michael	GPHA
279.	Ing. James W.K. Cofie	PWD – E/R
280.	Ing. Victor Yankey	TOR
281.	Ing. Albena Esther Adofo	SSNIT
282.	Ing. Dr. Bertha Darteh	Consultant
283.	Ing. Jacob Dorsu	VLTC
284.	Ing. Philip A. Nartey	TOR
285.	Ing. Anthony Seddoh	GIDA
286.	Ing. Abdul R. Salifu	NCA
287.	Mr. Peter N. Onyekwere	NCA
288.	Ing. Randy Adjorlolo	PDS
289.	Ing. Mawuli Sterling Dzebu	PDS
290.	Ing. F. Oblitey	PURC
291.	Mr. Oscar Amonoo-Neizer	PURC
292.	Ing. Benjamin Narh	GPHA
293.	Ing. Benjamin Osei Kumi	MTU
294.	Ing. Elizabeth Oppong	MTN
295.	Ing. Alfred K.A. Moyimeh	MTN
296.	Ing. Kwame Simpeh Junior	MTN
297.	Ing. Akim Tijani	VRA
298.	Ing. Kenneth A. Ababio	WBHO
299.	Ing. Elvis Ampem	WBHO
300.	Ing. Augustus Mike Addo	Structural Terniks
301.	Ing. Harold Esseku	RAPHA Consult

1.0 OPENING

The meeting began at 10:23hrs with an opening prayer by Ing. Ebenezer Haizel. F-GhIE. The President, Ing. Steve Amoaning-Yankson, F-GhIE chaired the meeting.

2.0 ADOPTION OF AGENDA

The Chairman presented the Agenda for the meeting and on a motion by Ing. W. E. O Appatu (PP) F-GhIE, which was seconded by Ing. Kwabena Bempong, F-GhIE, it was adopted.

The adopted agenda was:

- 1.0 Opening of Annual General Meeting (AGM)
- 2.0 Adoption of Agenda
- 3.0 Appointment of Scrutineers for the election of Councilors 2019/2020
- 4.0 Minutes of the 49th Annual General Meeting
- 5.0 Management Report for the 2018/2019 Council Year
- 6.0 Finance
 - 6.1 Report of the Auditors for the year ended 31st December 2018
 - 6.2 Appointment of Auditors for the year 2019
 - 6.3 Budget for the year 2019
 - 6.4 Proposal for Revision in subscription for the year 2019
- 7.0 Report of Scrutineers
- 8.0 Other Matters
- 9.0 Closing

3.0 APPOINTMENT OF SCRUTINEERS

The following were appointed and accepted by the General Meeting as Scrutineers for the 2019/2020 Council Elections.

Ing. Mrs. Carlien Bou-Chedid (IPP)	-	Chairman
Ing. Edmund Offei-Annor	-	Member
Ing. Mrs. Naa Lamkai Quaye-Ballard	-	Member
Ing. Samuel Asare	-	Member

4.0 MINUTES OF THE 49TH AGMC

4.1 Confirmation of Minutes

On a motion by Ing. Harold Esseku and seconded by Ing. Joseph Oddei the minutes of the 49th Annual General Meeting were confirmed and accepted, subject to amendments. The following corrections were also noted:

- a) Corrections in attendance list.
- b) Correction for the list of scrutineers to be captured as;

Ing. Dr. Kwame Boakye (IPP)	-	Chairman
Ing. Samuel Larbi Darko	-	Member
Ing. Mrs. Joyce Naa Anowa Oturoku	-	Member

The following suggestions were noted;

- a) Attendance to be prepared with a column for membership registration numbers required.

4.2 Matters Arising Out of Minutes

4.2.1 Acquisition of Land

The President-elect, Ing. Alex Ayeh, updated the general meeting on the acquisition of land for the Institution. He stated that a letter was received initially from the Ministry of Lands and Ministry of Works and Housing allocating the land adjacent the Engineers Centre but unfortunately before completion of the paperwork at the Lands Commission another developer had started another project on the Land.

Briefing the meeting on the need for the land, the ED explained that the GhIE had plans to put up a precision manufacturing center in collaboration with the Ministry of Environment, Science & Technology (MESTI) supported by MasterCard of Canada. The project on the land would particularly target Mechanical and Electrical Engineers for training.

Furthermore, the ED explained that Ghana as the host of the WAFEO secretariat needed space to operate a properly functioning Anglophone and Francophone secretariat.

5.0 MANAGEMENT REPORT

5.1 Presentation of Management Report

The Executive Director, Ing Kwabena Agyei Agyepong, presented the Management Report for the 2018/2019 Council year.

5.2 Matters Arising out of Management Report

There were no issues up for discussions with regards to the Management Report.

5.3 Acceptance of Management Report

Ing. Dr. Robert Adjaye (PP) moved for the acceptance of the management report and was seconded by Ing. Dr. Benjamin Hagan (PP) on condition that the report be corrected as pointed out at the AGM and posted on the website.

6.0 FINANCE

6.1 Presentation of Accounts

The Audited Report for the year ended December 31, 2018 was presented to the General Assembly by Mr. Charles Obeng, audit partner in charge of GhIE accounts from O.A.K Chartered Accountants.

Highlights of the statement/Report were as follows:

- A surplus of GH¢96,353 was declared for the year ended December 31, 2018.
- Income for the year ended December 2018 was GH¢4,334,909 as against GH¢3,127,203 for 2017.
- Expenditure for the year ended December 2018 was GH¢4,238,556 as against GH¢3,131,128 for 2017.

Ing. Leslie Alex Ayeh, the Honorary Treasurer and President-elect, moved for the general meeting to accept the Financial Statement for the year ended December 31, 2018 and was seconded by Ing. Harold Esseku.

Members discussed the Financial Statement and issues relating to the income and expenditure were duly addressed. The following suggestions were noted:

- The need for young practitioners to be actively involved during International Workshops and Conferences to effectively build a succession plan to strategically help the Institution develop.
- The need for practitioners to be well remunerated in relation to Welfare.
- The need to consider revenue generation in the IT field.
- The need for Branches to invest aspects of their resources in Student Chapters.

The following was also agreed upon in principle:

- The President may travel on Business Class for International travels depending on the availability of funds.

6.2 Appointment of Auditors

Secretariat has written to ICAG and a response is being awaited. AGM was then requested to mandate Council to appoint new auditors. On a motion by Ing. Frederick Asare-Yeboah (PP) and seconded by Ing. Dr. Robert Adjaye (PP), AGM approved the request for Council to appoint new auditors as the constitutional period for use of the current auditors had elapsed.

6.3 Budget for the year 2019

The Honorary Treasurer and President-elect Ing. Leslie Alex Ayeh presented the 2019 Budget statement to the General Assembly.

Some of the issues noted at the general meeting include:

- An expected increase of 15% in salary budget.
- Ing. Ben R. Aniagyei (PP) suggested that the budget figure for maintenance should be significantly adequate.
- Ing. Dr. Kwame Boakye (PP) suggested that the Institution has to aggressively pursue the drive of expanding the Institution to have Technologists and Craftsmen also on board by explicitly including resources to achieve that goal in the budget.

- Ing. Magnus Asiedu also suggested that a corresponding increase in income should be explicitly and aggressively pursued.

After further deliberations on the budget statement, Ing. Leslie A. Ayeh moved for the acceptance of the proposed budget for 2019 subject to corrections. The motion was seconded by Ing. Ludwig Hesse.

The General meeting unanimously approved the Budget for 2019.

6.4 Proposal for Review of Annual subscription for 2019

Council presented a review in subscription/ certification renewal fees to reflect the various occupational groupings in accordance with the new constitution. A 10% increase across board together with Engineering Council fees was approved to reflect as follows:

PROPOSAL FOR ANNUAL SUBSCRIPTION FOR 2019

No.	CLASS	2018 (GH¢)	2019 (GH¢)
	Professional Engineers		
1.	Fellow	645.00	740.00
2.	Senior Professional Engineer	524.00	650.00
3.	Professional Engineer	480.00	600.00
4.	Trainee Professional Engineer	75.00	460.00
5.	Professional Engineer Student	25.00	30.00
	Engineering Technologist		
6.	Senior Professional Engineering Technologist	440.00	450.00
7.	Professional Engineering Technologist	324.00	400.00
8.	Trainee Professional Engineering Technologist	302.00	380.00
9.	Professional Engineering Technologist student	25.00	30.00

PROPOSAL FOR ANNUAL SUBSCRIPTION FOR 2019 (Cont.)

	Engineering Technicians		
1.	Senior Engineering Technician		400.00
2.	Trainee Engineering Technician	316.00	340.00
3.	Engineering Technician Student	36.00	30.00
4.	Engineering Craftsman		120.00
5.	Master (/senior) Engineering Craftsman		120.00
6.	Engineering Craftsman Trainee		100.00
7.	Trainee Engineering Craftsman		20.00
	Honorary		
8.	Honorary Fellow	Non-Paying	
9.	Companion Members	480.00	250.00
	Retired		
10.	Retired Fellow	231.00	150.00
11.	Retired Professional Engineer	210.00	150.00
12.	Retired Technologist		150.00
13.	Retired Technician		150.00
14.	Retired Craftsmen		
15.	Fellow more than 70yrs	0.00	0.00
	Fee for Registration of Firms/Local		
	No. of Employees	Fee for (Gh¢)2018	Proposed Fee for (Gh¢)2019
	5 Employees or Less	312.00	1000.00
	6 - 15 Employees	450.00	1,200.00
	16 - 30 Employees	900.00	2,000.00
	More than 31 Employees	1,500.00	3,000.00
	Foreign Firms		
	No. of Employees		
		USD	USD
	15 Employees or Less	200	600
	16 - 30 Employees	400	900
	More than 30 Employees	600	1,100

7.0 REPORT OF SCRUTINEERS

The Chair of the Scrutineers, Ing. Mrs. Carlien Bou-Chedid (IPP) reported on the voting results as follows.

VALID EMAILS	3055
OPENED EMAILS	1739
DID NOT OPEN	1250
BOUNCED MAILS	63
ACTUAL VOTES	1001

7.1 Announcement of Results

Position Contested	Name(s)	No. of Voters	Ranking Elected
President-Elect	Ing. Dr Charles A. Adams Ing. Theophilus Nii Okai Ing. Ludwig Hesse	398 353 250	Elected
Vice President	Ing. Harold Esseku	1,000	Elected
WinE President	Ing. Dr Enyonam Kpekpena	92	Elected
National Councillor (2019 – 2021 (Professional Engineer)	Ing. Kwabena Bempong Ing. Dr Patrick A. Bekoe Ing. Kweku Asmah Ing. Kenneth Ashigbey	943 828 727 505	Elected Elected Elected Not Elected
Executive Representative (Technicians)	Mr. Philip K. Aheto	731	Elected
Branch Chairmen			
Branch 1 (Ashanti)	Ing. Dr. Emmanuel K. Nyantakyi	176	Elected
Branch 2 (Bono & Ahafo)	Ing. Dr. Eric Ofori Antwi	52	Elected
Branch 3 (Eastern)	Ing. Isaac Bedu	107	Elected
Branch 4 (Greater Accra)	Ing. Hector E. A. Boye	468	Elected
Branch 5 (Northern)	Ing Prof. Ibrahim Seini Yakubu	34	Elected
Branch 6 (Volta)	Ing. Antionette Ama Agboado	57	Elected
Branch 7 (Western/Central)	Ing. Jacob B. Yawson	107	Elected

8.0 HANDING OVER

The membership of Council as constituted for the 2019/2020 Council year was announced to the General meeting.

The Chair of the General meeting and the 49th President of the GhIE handed over the Presidential chain, the symbol of authority and the Gavel to the incoming President Ing. Leslie A. Ayeh, FGhIE as the 50th President of GhIE.

The incoming President, Ing. Leslie A. Ayeh in his acceptance speech expressed his gratitude to the GhIE membership for the confidence reposed in him to steer the affairs of the Institution for the 2019/2020 and 2020/2021 Council years and stated that he will be counting on all members for their support.

9.0 CLOSING

Ing Leslie A. Ayeh adjourned the Annual General Meeting at 14:16hrs and the closing prayer was said by Ing. Hector A. Boye.

Recorded By:

Ing. Kwabena Agyei Agyepong.
OV, F-GhIE, M.ASCE
Executive Director

Approved By:

Ing. Leslie A. Ayeh.
FGhIE
President



MISSION

To be a trusted and reliable
gas services company

VISION

To contribute to Ghana's Gas
economic development by providing
and operating the infrastructure
required for gathering, processing
and delivering natural gas resources,
in a safe, cost effective, responsible
and reliable manner to customers

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SECTION C

MANAGEMENT REPORT - 2019/2020 COUNCIL YEAR

1.0 INTRODUCTION

The 2019/2020 Council Year of Ghana Institution of Engineering (GhIE) started in April 2019 after the Presidential Inauguration and Banquet, held at the Royal Senchi Resort, near Akosombo on Friday, March 29, 2019.

The GhIE was guided by the following Strategic areas in pursuant of its Vision and Mission:

1. Corporate Governance
2. Membership and Welfare
3. Education and Training
4. Professional Practice
5. Public Interest and International Affairs

The Management report seeks to provide information on the activities of Council, the Executive Committee; Standing Committees and Special Committees, highlighting on the main GhIE activities for the Council Year 2019/2020.

2.0 CORPORATE GOVERNANCE

The Ghana Institution of Engineering (GhIE) works through its governance structures which comprise the Annual General Meeting (AGM), the Council, Executive Committee, Standing Committees and Special Committees with the support of the secretariat. Council and Executive Committee meetings were held every month except January 2020.

The following activities were undertaken in furtherance of the Vision, Mission and Objectives of the GhIE.

2.1 2019 Annual General Conference and AGM

The 2019 Annual General Conference was held from March 27th to 29th at the Volta Hotel, Akosombo to bring the 2018/2019 Council Year to a close. The theme of the Conference was, **"Engineering And Innovation: Catalyst to Ghana Beyond Aid"**.

The Special Guest of Honour and Fellow of the GhIE, Hon. Yaw Osafo-Maafo, in his address read on his behalf by Hon. Andy Appiah-Kubi, Deputy Minister of Railway Development called on Engineers to ensure that there is value-for-money on all engineering projects in the country. He further advised the institution to ensure that all its members work within the bounds of the law and ethical considerations. He further admonished the Institution to sanction its own members who fell foul of the law and the Institution's Code of Ethics.

The President of the Federation of African Engineering Organisations (FAEO) delivered fraternal greetings from sister organisations around the continent.



In an address read on behalf of the Chief Executive of the Volta River Authority (VRA), Platinum Sponsors of the GhIE, the Deputy CEO (Services) of the VRA, Ing. Kofi Ellis reiterated that good engineering practice can and should be a prerequisite of any developing country and noted that the road accidents that have occurred in recent times are not a good sign. Engineers were urged to ensure that all engineering works followed laid down procedures to ensure that occupational health and safety guidelines are strictly observed to reduce tragedies.

The 20th Anniversary celebration of Women in Engineering (WinE) was launched by the Minister of Inner City Development, Hon. Boniface Saddique. He congratulated the Institution in for promoting female participation in an otherwise male-dominated profession.

Other dignitaries present included Hon. Kwabena Owusu-Aduomi, Deputy Minister of Roads and Highways and Chief Executives of major engineering organisations.

After the opening ceremony, the outgoing GhIE President, Ing. Steve Amoaning-Yankson conducted Hon. Boniface Saddique around the exhibition area after the exhibition was opened by the Minister.

Other activities held during the conference included first quarter executive committee meeting of FAEO, WAFEO Seminar on harmonising Engineering Education and several technical sessions and presentations, which were delivered by very competent facilitators.

The Annual General Meeting was held on Friday, 29th March at the Volta Hotel during which Rev. Dr. Charles Adams was elected as the President-Elect of the GhIE and Ing. Harold Esseku as the Vice President. Other elected officers of the newly-constituted Council can be found in Appendix A (attached). The detailed record of the elections are captured in the minutes.

2.2 Investiture of the 50th President of the GhIE

Ing. Leslie Alex Ayeh was inaugurated as the 50th President of the GhIE, at the 50th Presidential Inauguration and Banquet held on March 29, 2019, at the Royal Senchi Resort, near Akosombo. The investiture was performed by Mr Justice Julius Ansah, Justice of the Supreme Court, who represented Her Ladyship Justice Sophia Afuffo, Chief Justice of the Republic of Ghana.

The Special Guest of Honor was the Vice President of the Republic of Ghana, His Excellency, Dr. Mahamudu Bawumia. In his keynote address he described indigenous engineering as a catalyst for the economic development of the country. The Vice-President said the government through the help of the Ghana Institution of Engineering had set up a body to look into issues concerning earthquakes, how prepared the country was and the measures required to prevent or mitigate the impact of earthquakes on life and property. He gave an assurance that the government would continue to work with the GhIE on all matters relating to engineering excellence.



Other dignitaries in attendance were the President of FAEO, Ing. Martin Manuhwa of Zimbabwe, representatives of the Nigeria Society of Engineers, Sierra Leone Institution of Engineers, Association of Engineers of Mazambique, Zambia Institute of Engineers, Rwanda Institution of Engineers and executives of other Ghanaian Professional Bodies.



The 50th President, in his inaugural speech outlined priority areas to be covered during his tenure of office. He stated the need to fashion out continuous education programmes that update the knowledge of Ghanaian engineering practitioners to keep them abreast with latest trends enabling them partake in the global playing field, which keeps on changing. He also indicated that the GhIE must ensure strict professional practice and ethics and seek to address the welfare issues of members. The President also announced plans to engage the public on issues of interest and broaden the base of participation of the Engineering Excellence Awards.

He stated that he would intensify international relations and activities relating to signed memoranda of understanding with the American Society of Civil Engineers, Institution of Civil Engineers of the United Kingdom and American Society of Mechanical Engineers to exchange ideas and knowledge.

In accordance with GhIE Constitutional Provisions, the 2019/2020 Council as constituted with membership comprising President, President-Elect, Vice President, Executive Representatives, Chairs of Technical Divisions, Chairs of Regional Branches, and National Councillors. The 2019/2020 Council Members were sworn into office by Mr. Justice Julius Ansah during the anniversary banquet.

New Fellows of the GhIE were also inducted by the President, Ing. Leslie Ayeh.

2.2.1 PRESIDENTIAL ADDRESS

Plans for the President Ing Leslie Alex Ayeh to deliver the 50th Presidential Address at the Conference Hall of the Engineering Centre, Roman Ridge, Accra on June 9, 2020 were underway. The address will be on the theme '**Aviation as an Enabler of the Structural Transformation and Sustainable Development of Ghana**'.

2.3 Standing and Special Committees of Council

The GhIE exercises its mandate through the Standing Committees of the GhIE Council as established and designated appropriately. A Council member is assigned to Chair each Committee.

Terms of Reference were developed for:

- (a) Finance Committee
- (b) Membership Committee
- (c) Education and Training Committee
- (d) Professional Practice and Ethics Committee
- (e) Publications Committee
- (f) Welfare Committee
- (g) Conferences and Programmes Committee
- (h) Special Committees:
 - a. Information Communication Technology
 - b. Research and Awards

2.3.1 FINANCE COMMITTEE

The Finance Committee defines the financial policies of the Institution and monitors its finances. Its functions are primarily defined in Article 15 of the GhIE Bye-Laws. The Committee is chaired by the Honorary Treasurer who must be the Vice President of the Institution. The Committee is expected to provide regular reports to the Council on the financial status of the Institution through the Honorary Treasurer. The finance committee regularly met to take decisions regarding the finances of the Institution.

A new auditor was selected by the finance committee further to a decision taken at the 2019 Annual General Meeting. MGI O.A.K Chartered Accountants, who have been auditing the GhIE accounts in the past decade were replaced by EHY Voscon Chartered Accountants.

The committee supervised investment of monies realised from the sale of the Institution's Cloth and oversaw the appointment of Fund Managers to manage welfare and 'idle' funds of the Institution. The firm contracted, Algebra Capital Management, made a presentation to Council on how these GhIE funds are invested. The current status of GhIE funds with the now-defunct Gold Coast Securities was also presented. It was suggested that a pensions scheme should be opened for practitioners and an Independent Trustee appointed for the GhIE funds. It was also suggested that Algebra Capital Management makes a similar presentation at the GhIE Annual Conference.

The Finance Committee also took a look at the financial ramifications of implementing a new organogram proposed by Council and prepared the 2020/2021 budget for the Institution. The details of the budget are presented in the appendices.

2.3.2 MEMBERSHIP COMMITTEE

The Membership Committee is in charge of the management of the GhIE Register. It is responsible for the admission and transfer of Members onto the Membership Register of the Institution. The committee's mandate includes improving finances of the Institution from membership-related activities such as increasing the number of engineers participating in engineering professional examinations and reaching out to engineering graduates and students around the country. The committee during the period under review provided clear guidelines for Online Engineering Professional Examination and identified processes for bringing experienced engineering practitioners and managers into the Institution.

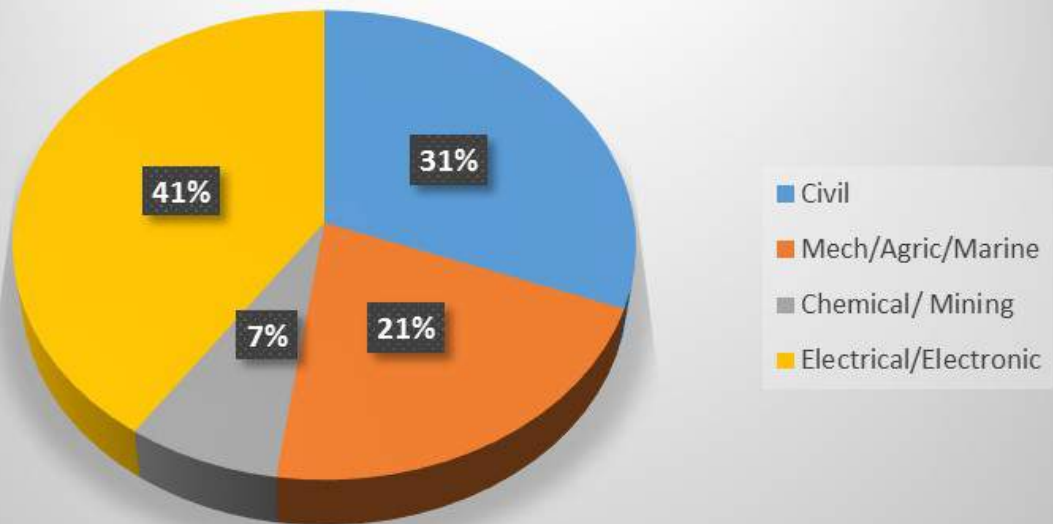
In the light of the above the membership committee undertook the following outreach activities:

Place	Activity	Date	Participants
Kumasi	Pre-Exams workshop	April 6, 2019	45
Accra	Pre-Exams workshop	April 9, 2019	56
Tamale	Pre-Exams workshop	June 1, 2019	22
Anglogold Ashanti Tarkwa	Pre-Exams workshop	June 15, 2019	80
Ho	Pre-Exams workshop	August 14, 2019	22
Sunyani	Pre-Exams workshop	August 31, 2019	25
Accra	Pre-Exams workshop	September 10, 2019	80
Newmont Goldcorp Akyem	Pre-Exams workshop	February 13, 2020	30
GNPC Accra	Pre-Exams workshop	March 13, 2020	30

A list of forty-two (42) experienced engineering practitioners was generated for Special Examination. Thirty-three (33) of them, including ten (10) military officers, responded to the Institution's invitation and were offered GhIE membership by special dispensation involving discussions with specially constituted panels of GhIE members including past presidents. Three (3) sessions were held with the first session chaired by PP Ing. Asare-Yeboah and subsequent sessions chaired by PP Ing. Dr. Boakye. PP Ing. Magnus Quarshie also sat through part of the last session. Other panel members were GhIE President Ing. Alex Ayeh, Membership Committee Chairman Ing. Kwabena Bempong, Ing. Nii Teiko Hammond, F-GhIE and the Executive Director Ing. Kwabena Agyepong.

Nine (9) Engineering Professional Examinations (EPEs) including the Special Examination were undertaken across the country involving a total of 467 participants. The details are presented in the appendices.

EPE Participants by Technical Division

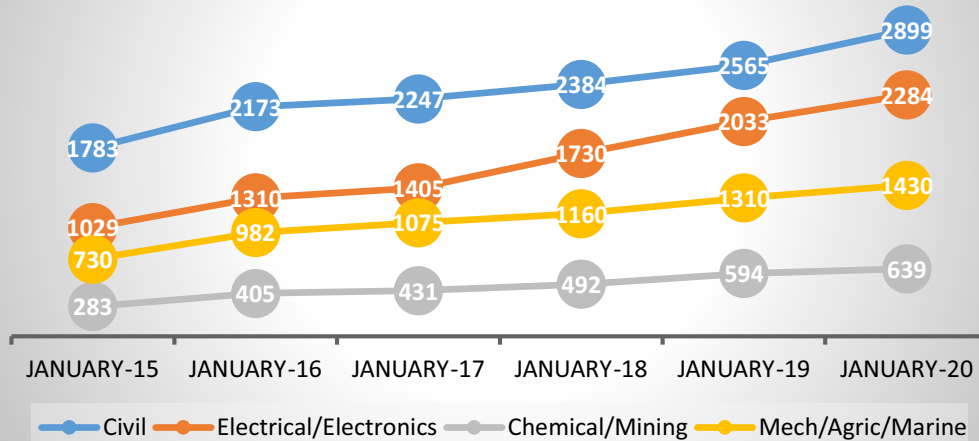


The 23rd and 24th GhIE Inductions were respectively held on 26th September, 2019 and 12th December, 2019 at the Engineers Centre. Planning for the 25th GhIE Induction on 19th March 2020 and Special Induction during the Annual Conference was underway. These had to be postponed in the light of government directives associated with the COVID-19 pandemic. The details are presented in the appendices.

As at February 2020 GhIE Membership stood at 7, 252. Further details are presented in the appendices.

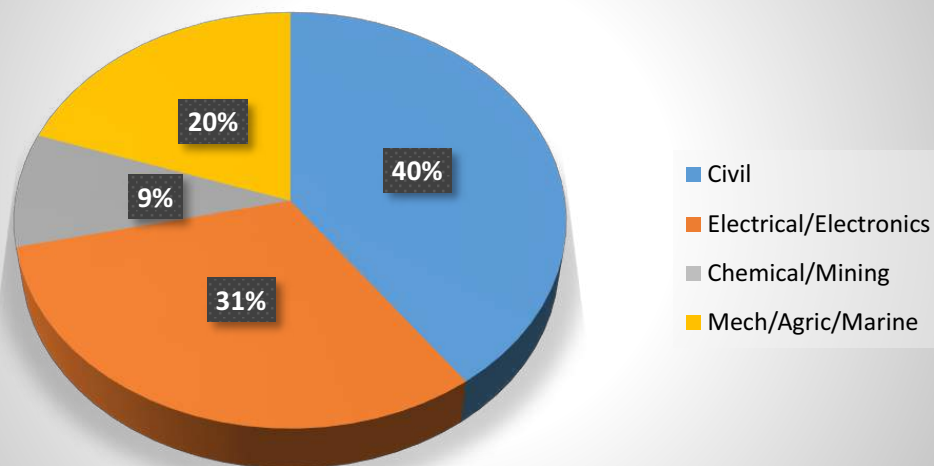
APPENDICES

GhIE Membership Growth



During the period under review, the committee's direction towards paperless and hassle-free registration process was also pursued. The intention is to develop the platform to seamlessly register, apply, load data, pay, as well as uploading career reports which can be assessed online by the committee. It is expected that in due course payment of membership subscriptions shall mainly be done online.

GhIE Membership by Technical Division



2.3.3 EDUCATION & TRAINING COMMITTEE

The Education and Training Committee defines the GhIE's policies on education and training for approval by Council. The Committee is required to ensure that candidates (especially Trainees) are oriented and properly prepared to present themselves to be examined at professional interviews for transition to Full Member status and that they continuously upgrade their knowledge and skills throughout their professional life. At the committee's first meeting for the council year, the following Sub Committees were formed to focus on Council agenda. The Sub committees are:

- CPD Implementation
- CPD Portal Development
- Development of Requirements for Occupational Groups
- Review of Tertiary Education Curriculum
- Hosting of National Education Forum.

This past year the committee was very active in providing input into the process of accreditation of new engineering programs for several tertiary institutions in the country. It has been proposed that entire engineering education curricula including diplomas and other technical courses should be reviewed.

Due to efforts to enhance interest and attendance and noting the need for inclusion of other occupational groupings, the CPD courses were finalised for 3rd and 4th Quarters of 2019 and 1st Quarter of 2020. Major engineering organisations were carefully targeted during marketing of the courses.

As part of our strategic plan the GhIE has increased efforts to improve the 'soft skills' of our members by including training in 'soft skills' such as communication and leadership. The GhIE collaborated with TDI Global Incorporated, a leading soft skills Institute in Canada, through its Ghana office. The first part of the course entitled, 'Skills For High Performance Teamwork' was delivered from 9th to 11th March, 2020 at the Engineers Centre. Unfortunately the second part had to be called off due to the partial lockdown occasioned by the COVID-19 pandemic.

The GhIE also collaborated with the Centre for Maintenance Optimization and Reliability Engineering (CMORE) of the Faculty of Applied Science and Engineering of the University of Toronto, the top Engineering School in Canada to deliver a certificate course in Physical Asset Management.

The course was attended by senior engineering practitioners from BOST, GPHA, Zoomlion, AngloGold Ashanti, Asanko Gold, Chocomac Ghana, Perseus Mining, GWCL and GHA.

At the invitation of the International Maintenance Association (IMA) the GhIE nominated a member of the Mechanical Technical Division to participate in the global study on "Worldwide Overview of Current Practice of Maintenance Education and Training (ME&T)"

2.3.4 WELFARE COMMITTEE

The Welfare Committee has responsibility for ensuring the professional and social wellbeing of Members. The Welfare committee is expected to draw up policies and programmes that will generally ensure that GhIE members value their belonging; enjoying the respect of society and the GhIE being seen as an organization that takes care of its own.

The GhIE Welfare Committee met frequently during the period under review. The Committee also proposed for Council approval the institution of a 1-day seminar for newly qualified engineers during which presentations will be made by the respective Council committees and the technical divisions on Welfare matters, Career choices, Professional Practice, Engineering Law & Ethics.

The Committee proposed that almost all GhIE activities should be done at Branch level and the GhIE Welfare Committee mandated to evaluate the branches for Annual Awards. The Committee was of the opinion that this would enhance welfare activities at the Branch level. Activities such as inter-occupational grouping/technical division fun games and educative field trips/workshops/seminars would also encourage interaction amongst the different occupational groupings of membership. The Committee reported that the 2019 edition of the Professional Bodies Olympics organized by Ghana Institution of Surveyors (GIS) was not well patronized by GhIE members.

The committee proposed to initiate INTER-DIVISION and INTER-BRANCH Competition Awards - GhIE Competition Awards to confer recognition for outstanding engineering branch and technical division achievements and promote the respective engineering professionals.

Other issues being reviewed by the Committee included a survey undertaken on the remuneration of engineers, a group insurance scheme to cover liabilities arising in professional practice and consideration of legal aid for registered members against suits arising from professional practice and ethics. A Research Officer was proposed as part of the secretariat restructuring to undertake regular surveys to better understand GhIE dynamism. In this light Council endorsed a recommendation from the Welfare Committee that the existing welfare regime of the GhIE should undergo a comprehensive review by the committee.

2.3.5 ICT COMMITTEE

The ICT Committee oversees the operation of the GhIE website and ensures that it provides useful and current information that will be of benefit to members. The Committee liaises with other committees and Technical Division chairs to introduce and improve use of ICT in operations and help them solve their ICT challenges whilst ensuring that their activities feature prominently on the GhIE website.

A primary objective of the committee's work is recommendation and supervision of ICT LAN installation for efficient GhIE secretariat operations and ICT WAN for use of GhIE Branches in accessing the secretariat and partaking in headquarters activities and vice versa.

A major plank of our strategy to improve valued services to our esteemed members included an investment in a new ERP Software for membership database management at the Secretariat. The ongoing migration to a new IT platform was initiated in December 2019. Live testing of the software called GrowthZone from Chamber Master started in March 2020 with subscription billing for 2020. It is hoped that despite the global slowdown occasioned by the ongoing COVID-19 Pandemic the system should be ready for interface with members sooner rather than later. This new system would enable the Secretariat deliver a whole new range of e-services including connecting students and graduates to industry among others.

The Institution continued to promote online engineering professional examinations EPE during the year. The EPE is now fully operational in Accra and plans are underway to extend it to other branches around the country.

An ID Card/Event Management online system is also being rolled-out. The system will manage attendance and register participants at various events whilst updating their CPD points status. This system should facilitate the commencement of online registration for GhIE events and programmes from the 2020/2021 council year onwards.

Investments made to facilitate online meetings of the Council and Committees have been found to be very worthwhile. It is expected that the GhIE may be the first Ghanaian professional body to possibly hold its Annual General Meeting online if the current situation due to CODVID-19 persists.

2.3.6 PROFESSIONAL PRACTICE & ETHICS COMMITTEE

The Professional Practice and Ethics Committee is expected to design policies to ensure that members who have qualified to the levels of the professional grades of membership, i.e. Full Member, operate properly as professionals. The Committee is also responsible for ensuring that standards and guidelines set out by the GhIE in its Code of Ethics are adhered to.

To further the Council's objective of continuously improve engineering and ethical practice, the Institution organizes lectures, conferences and workshops, as well as investigating matters suspected to be in breach of the Code of Ethics. The Committee was unable to roll-out the 2019 Annual Ethics and Leadership Lecture Series, but is about to conclude arrangements for a successful hosting of the Annual Ethics Lecture in 2020.

The Institution partnered Professor Sam Owusu-Ababio of the University of Wisconsin and currently on sabbatical leave at the Secretariat to undertake a survey and analysis of ethical considerations amongst engineers. Findings and recommendations of the survey have been presented to the Council.

The Council, in recognizing the need for GhIE members to be abreast with current trends in professional ethics, also partnered the Alliance for Integrity through the support of Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) to develop a digital ethics game (scenario-based learning) that is still at the developmental stage. It is hoped that after it is completed members will use it as part of their Continuous Professional Development (CPD).

Other outcomes of the Council's efforts to enhance the practice of the profession included Ing. Dr. Patrick Amoah Bekoe, the chairman of Education and Training of GhIE joining a panel of experts from Argentina and Brazil to discuss how professional engineering institutions can use digitalization as a game changer to strengthen business integrity in SMEs. This was during the Eighth Session of the Conference of State Parties to the United Nations Conventions against Corruption organized by the United Nations Office on Drugs and Crime (UNODC) from the 16th to 20th December, 2019.



The Institution had successfully applied and received BUSAC Fund III to support the advocacy of putting in the necessary Legislative Instrument (LI) to enhance the effective implementation of the Engineering Council Act 2011 (Act 819). During the period under review, dialogue sessions, follow-up activities and additional sensitization of stakeholders were completed. The LI was finalized, sent to Cabinet, and is currently in parliament.

2.3.7 CONFERENCES & PROGRAMMES COMMITTEE

The Conferences Committee is entrusted with the organisation of all conferences and major programs of the Institution in a manner that promotes the participation of Members and the public, and promotes the benefits and values of the practice of Engineering.

The Committee started off with organisation of the 2019 Annual Conference and AGM. Other major activities during the 2019/20 Council Year were the Mechanical/Electrical Engineering Conference with Mechanical and Electrical/Electronic Technical Divisions and the end-of-year (2019) party at the Engineers Centre facilitated by Women in Engineering (WinE).

The Committee also organised the UNESCO World Engineering Day celebrations held in Accra, Kumasi, Tamale and Ho on 4th March, 2020.



UNESCO World Engineering Day Celebrations at the Accra Technical University

2.3.8 RESEARCH AND AWARDS COMMITTEE

The last Engineering Excellence Awards function was held in 2018. The Research and Awards committee designs policies and programmes to encourage research in engineering, science and technology and to recognize the achievements of engineering students, members of the GhIE, innovators and inventors of engineering products, etc. Preparations and organization of Engineering Excellence Awards (EEA) 2020 Event were initiated and arrangements are underway to hold the event in May 2020. The Awards were launched at the UNESCO World Engineering Day celebrations in Accra on March 4, 2020 with the theme “Promoting Economic Growth while Mitigating and Adapting to Climate Change and the Depletion of (Our) Natural Resources”.

The Committee experimented with a number of online meeting softwares to facilitate its meetings and found 'GoToMeeting' as a very workable and suitable tool for hosting meetings online. A recommendation was made to Council for it to be procured to enable use by GhIE for Teleconferencing purposes. The recommendation was carried out.

2.3.9 PUBLICATIONS COMMITTEE

The Publications Committee is entrusted with the responsibility for publishing all the publications of the Institution to facilitate the dissemination and sharing of knowledge and information to enhance the practice of engineering.

Ten (10) articles were sent to the Publication Committee for final approval before publication. It was eventually decided that the GhIE website could be effectively used. During the period under review the 37th to 42nd Presidential Addresses and seven (7) Ghie@50 technical papers were uploaded on the GhIE website.

3.0 TECHNICAL DIVISION REPORTS

3.1 Mechanical/Agricultural/Marine Technical Division

The Division collaborated with the Electrical Technical Division to successfully hold a 2-day conference on the theme: **“The transfer of knowledge and skills; the role of the extractive industry”**. The Guest of Speaker was Rev. Dr. Joyce Aryee. The chairman of the occasion, Prof. William Kwame Buah, Dean of the School of Postgraduate Studies, University of Mines and Technology (UmaT), Tarkwa, expressed the need for young engineers to look for where societal problems are and propose solutions to them. He tasked participants of the conference to come out with proposals that would bridge that gap between what exists as knowledge and practical solutions to problems. Major issues identified for further deliberation are the need to ensure the appropriate certification of welders in Ghana and improved mentoring/regular engagement with trainee engineering practitioners.



Participants of the Mechanical/Electrical Joint Annual Conference

The “Heating Ventilation and Air-conditioning” (HVAC) Practitioners in the Division planned and delivered the 1st Dialogue on “Indoor Air Quality” (IAQ) on 30th January 2020 at the Engineers Centre under three broad areas; namely What is Indoor Air Quality?, How safe is your indoor air? and Engineering Indoor Air. The main presenter for the evening was Ing. Dr. Kwame Owusu Achaw. His submission detailed some the known potential health effects of poor indoor air such as cancer, nausea, headaches etc. He also listed a number of volatile organic compounds (VOCs) that affect the quality of air such as radon, benzene, formaldehyde, methylene chloride, tetrachloroethylene, toluene, xylene etc. The presence or otherwise of any of the above depends on the specific area of activities, fittings, etc. It was generally agreed during the question and answer session that Architects needed to collaborate more closely with Mechanical and Electrical Building Services Engineers to ensure the incorporation of their technical considerations before presenting drawings to clients. If building services become an afterthought, then the design, installation and maintenance of any mechanical indoor air management system is compromised.

3.2 Civil Technical Division

The Civil Technical Division started the 2019/20 Council Year on Thursday, 25th April, 2019 at the Engineers centre with a forum to discuss recent seismic activity in Accra. The facilitators were Dr. Paulina Amponsah of the National Data Centre of the Ghana Atomic Energy Commission, Ing. Dr. Nii Allotey, Ing. Michael Obeng-Konadu and PP Ing. Mrs. Carlien Bou-Chedid, current President-elect for the Federation of African Engineering Organizations (FAEO).

A 4-day training workshop on Construction Management and Stormwater Management was organised for engineering practitioners of the Metropolitan, Municipal and District Assemblies at the Engineers Centre, Roman Ridge, Accra. This was done in collaboration with the Ministry of Sanitation and Water Resources under the GAMA Sanitation and Water project. The training took place from 13th - 16th May, 2019 with a total of 35 participants. The facilitators of the training were Ing. Joseph Kwesi Oddei, Chairman of the Civil Technical Division and Ing. Emmanuel Obeng Atuah.

The Division signed a Memorandum of Understanding (MOU) with the Nigeria Institution of Civil Engineers (NICE) in June 2020. The MOU was to officially commence a collaboration between the Division and NICE.

An evening lecture on the Pokuase Interchange Project was held on 29th August 2019. It was delivered by Ing. Kwabena Bempong, FGhIE, who is the Resident Engineer for the project. The lecture was very well attended and members were brought up to speed on various issues related to the project.

The Division facilitated an official handing over ceremony for the outgoing president and executives of the Ghana Geotechnical Society (GGS) and the International Geosynthetics Society Ghana Chapter (GhIGS) to the new presidents and executives. This was held on Thursday 5th September 2019 at the Engineers Centre. After the handing over ceremony there was a forum on deep excavations in Accra. This was led by Ing. Joseph Oddei. He explained what a deep excavation was and why it becomes necessary for such an activity to be done. He highlighted the potential risks and hazards, implications of negative impact, key issues of interest, and capacity requirements. Pictures of a deep excavation that had been done in Accra were shown highlighting the damaging effect to adjacent infrastructure. The evening ended with a discussion on how to improve the activities and programs of the two societies. This was led by Ing. Mike Konadu. Key among the suggestions was the creation of a mentorship program for young engineers in geotechnical engineering.

On Thursday, 12th September, 2019 an evening lecture on driverless vehicles was presented by Consultant Joel P Leisch, PE, Transportation Planner/Engineer at the Engineers Centre. This was during a 5-Day Professional Development Workshop on Interchange Planning, Operational Analysis and Geometric Design organised by Delin Consult at the conference room of the Engineers Centre.

3.3 Electrical/Electronics Technical Division

Activities of the Division for the 2019/20 Council Year started off with a General Meeting held on 29th August, 201. The Chairman of the technical division, Ing. Kingsford D. Laryea introduced L.I. 2354, Energy Commission (Local Content and Local Participation) (Electricity Supply Industry) Regulations, 2017 to those present. This was done to acquaint electrical engineers with the provisions of the Regulations so they can position themselves to take full advantage of its provisions.



***First 2019/2020 Council Year Electrical/Electronic
Technical Division meeting participants***

Ing. Laryea explained that operators in the electricity supply industry who do not meet the requirements of the Regulation may not be able to renew or obtain licenses from Energy commission. Planning for a joint Mechanical-Electrical/Electronic Engineering divisions annual conference also commenced. The meeting was attended by 37 GhIE members.

An evening lecture on “Understanding the Science & Engineering of Artificial Intelligence (AI)” was held on 24th October, 2019. The presenter, Ing. Kwaku Boadu, took participants through some of the concepts underpinning the science of Artificial Intelligence such as Artificial General Intelligence (AGI), Building Autonomous Systems, Deep Learning, Big Data, and Robotic Singularity. Ing. Boadu explained how and where science and engineering are leading the world with AI and AGI

The Mechanical-Electrical/Electronic Engineering divisions joint conference was held on 7th November 2019 and 8th November, 2019 at the Engineers Centre. Speaking on the theme, **“The Transfer of Knowledge and Skills, The Role of the Extractive Industry”**, the former Chief Executive Officer of the Ghana Chamber of Mines explained that, the extractive industry in Ghana is over 100 years old but the economic benefits of the industry continue to elude most Ghanaians. She called on Engineers to appreciate the task of leadership which they inherit as a result of their profession and lead the way because, according to her, great economies are built on science and engineering and great battles can also be won or lost on the basis of science and engineering. Dr. Mrs. Joyce Aryee concluded by saying, ***“It is my fervent hope that this conference will not end up as a flowery talking shop oiled by mechanical engineers and powered by electrical engineers”***.

The Division hosted an evening lecture on Project Financing and Infrastructural Development - The Legal Angle on 18th December 2019 at the Engineers Centre. It was presented by Adelaide Benneh Prempeh, founder and managing partner of B & P Associates. She explained that Ghana's infrastructure deficit has created an avenue for investment drives within the construction and infrastructure industry. Her lecture was divided into four main headings: International Contracts; Project Finance Transactions, Risk and Insolvency; Project construction contracts with a focus on EPC contracts; and Arbitration. It concluded with a very interactive Q&A session.

Another evening lecture on “How to Avoid Litigation in your Engineering Practice” was hosted on 23rd January 2020. It was presented by Ing. Kweku Boadu and attended by 53 members.

3.4 Chemical/Mining Technical Division

Activities of the Chemical /Mining Division during the 2019/20 Council Year primarily bordered on participation in the regional tours to conduct Engineering Professional Examinations (EPEs). The Chairman of the Division, Ing. Michael Nelson played an active role in this respect. He was also commended for arranging provision of more GhIE laptops from Vodafone to conduct online examinations at the Engineers Centre, Roman Ridge Accra.

Obuasi-based miners who are members of the Division held a Miners Conference on March 7, 2019 at Obuasi.

4.0 BRANCH / REGIONAL & REGISTERED ENTITIES REPORTS

4.1 Branch 1 (Ashanti Region)

Activities in Branch 1 for the 2019/20 Council Year commenced with facilitation of a pre-examination workshop on Saturday, 6th April 2019 at The Kumasi Technical University (KsTU Staff Common Room. Forty-Five (45) applicants attended the workshop. Ing. Kwabena Bempong and Ing. Dr. Nyantakyi were the facilitators. The corresponding engineering professional examinations were held on 11th May 2019 at the Petroleum building, KNUST.

On the evening of 12th November, 2019, Ing. John Koppoe, Plant Manager, Barekese Water Treatment Plant made a presentation on the topic “Barekese Dam: Current Situation and Challenges” His presentation was followed by another from DBS Industries Limited who introduced members to some of their products such as Inverted Box Rib (IBR), Industrial Deep Trough (IDT), Self Lock, Modern Selflock, Eurotiles, and Shingles. The meeting concluded with a presentation by Mr. Stephen Owusu, the Kumasi Branch Manager of Enterprise Life Assurance (ELAC), who explained a number of products such Funeral Policy, Life Policy, Education Policy, etc. to members.

An end-of-year dinner was held on Friday, 3rd January 2020 at the New Great Hall of Kumasi Technical University, Kumasi with about 60 engineers and their families attending. Also in attendance were PP Ing. Frederick Adu-Nyarko and President-Elect Ing. Rev. Prof. Charles A. Adams. PP Ing. Frederick Adu-Nyarko advised professional engineers in the branch to endeavour to always do the right thing as worthy ambassadors of the Institution.

Outreach Programmes and others for sensitising the public about UNESCO World Engineering Day were undertaken. These included a meeting with executives of Suame Magazine Industrial Development Organization (SMIDO) on 31st January 2020. The branch also interacted with JHS pupils of Asokwa and Amakom MA basic schools on 7th February 2020. The branch then continued to Kumasi Anglican Senior High School (KASS) to make a presentation on the need to study engineering to final year science students. The UNESCO World Engineering Day celebrations were eventually held at the premises of the Building Road Research Institute at Fumesua on March 4, 2020.

The Engineering Project Competition for SHS, the flagship outreach activity of the Branch was on the drawing board. Invitation letters were sent to Heads of Senior High and Technical Schools for the 3rd edition of the competition. Sponsorship request letters were sent to companies in Kumasi, Accra and Tema.

Plans were also far advanced to have the GhIE Students and WinE Chapters in KNUST and KsTU inaugurated. Dates for the inauguration are to be finalised in due course. Plans were also underway to fix a date and venue for the inauguration of GhIE-Obuasi Chapter

GhIE Students and WinE Chapters in KNUST and KsTU inaugurated. Dates for the inauguration are to be finalised in due course. Plans were also underway to fix a date and venue for the inauguration of GhIE-Obuasi Chapter.

The tenancy agreement for the branch office accommodation is about to expire and a meeting with the landlord has consequently been held. The branch is looking for alternative offices either at KNUST or KsTU.

4.2 Branch 2 (Bono, Bono East & Ahafo Regions)

Activities of the 2019/20 Council Year commenced with the relaunch of the GhIE Students Chapter of the University of Energy and Natural Resources (UENR). This was done by the GhIE President accompanied by the President of WinE. These were part of activities leading up to the fourth congregation of the University of Energy and Natural Resources (UENR) on Saturday 10th August, 2019. A laptop was presented to the Best Graduating Engineering Student.

Most of the activities planned for the Council Years could however not take place due to funding constraints. An amount of approximately Ghs 7000.00 in the branch's account was difficult to retrieve because the signatories have been transferred to other regions. Plans were underway to write to the signatories to help the branch to retrieve the money.

4.3 Branch 3 (Eastern Region)

The Eastern Regional Branch of the Ghana Institution of Engineering (GhIE) hosted the institution's 2019 Annual Conference from March 27 - 30, 2019 at the Volta Hotel, Akosombo. The 4-day conference was under the theme: "Engineering and Innovation: Catalyst to Ghana Beyond Aid".

The Special Guest for the conference opening was the Senior Minister of the Republic of Ghana, Hon. Ing. Yaw Osafo-Maafa, who in a speech read on his behalf at the opening ceremony by the Hon. Andy Appiah Kubi, Deputy Minister of Railways, called on Engineers to ensure that there is value-for-money on all engineering projects in the country. He further advised the institution to ensure that all its members work within the bounds of the law and ethical considerations and urged for the sanctioning of erring members where necessary.

The Presidential Banquet was held on Friday, 29th March, 2019, at the Royal Senchi Hotel Resort which climaxed the conference activities. The Special Guest of Honor was the Vice President of the Republic of Ghana, His Excellency, Dr. Mahamudu Bawumia.

The annual conference was attended by about 500 engineers from all over the country/diaspora and the general feedback from most participants was that the conference was worthwhile and very enlightening.

During the period under review, the Branch joined the Society of Volta River Authority Engineers (SOVRAE) to donate 135 copies of science textbooks to the St. James Seminary and Senior High School in Sunyani. The Branch also planned outreaches to elementary and secondary schools as well as tertiary educational institutions in the Eastern Region to generate and develop interest and passion in science and its application in the children, encourage more females to choose engineering at their next level of education and advise engineering students on the use of engineering ideas to develop business opportunities for personal and societal benefit. Seminars on the GhIE Code of Conduct and Welfare of Engineering Practitioners in Ghana were also planned. These plans however could not be executed due to lack of funding.

4.4 Branch 4 (Greater-Accra Region)

The Branch started the 2029/20 Council Year with outreach visits to automobile outfits such as STC, Metro Mass Transit, Honda, Mechanical Lloyd and industrial outfits such as VRA Tema Thermal Power Plant, Nexans Kabelmetal and Nestle Tema Factory. The visits/tours indicated that relatively large numbers are yet to be registered in line with Act 819. It was noted that ignorance of the Engineering Council Act still persists. It was highly recommended that efforts are made towards educating the general public. A student membership outreach was undertaken at Ashesi University on October 2, 2019.

The Branch arranged and hosted an evening lecture on “**Corporate Transformational Training**” on September 17, 2019 at the Engineers Centre. It was delivered by Mr. Evans Kweku Mensah (www.evansmensah.com), National Council Member of the United Nations Association (UNA) of USA and Chair of UNA-USA's Committee for Sustainable Development Goal (SDG) 17. The lecture was attended by 33 by Members who recommended that Mr. Mensah be considered as a resource person for future GhIE “soft skills” training.

An evening Lecture on “**Emotional Intelligence - Pathway for Personal Success**” on December 5, 2019 as a follow-up on recommendations for “soft skills” training for members. It was presented by TDI Global Ghana and attended by about 40 members. It was recommended that GhIE partners TDI Global Ghana for delivery of CPD courses in “soft skills”. with attending.

The Branch partnered other Technical Divisions and Committees for their respective Programmes held at the Engineers Centre.

4.5 Branch 5 (Northern, North East, Savannah, Upper East & Upper West Regions)

Activities in Branch 1 for the 2019/20 Council Year commenced with facilitation of a pre-examination workshop on Saturday, 1st June 2019 at University of Development Studies (UDS) Tamale campus. Twenty-two (22) applicants attended the workshop. The corresponding engineering professional examinations were held on August 10, 2019 in Tamale. Sixteen (16) candidates participated in the exams.

A branch monthly meeting was held on 28th November, 2019 in the conference room of GridCo, Tamale. Twenty-One (21) members including five (5) new members were in attendance. Gridco made a presentation on the mandate, operations, challenges and opportunities of the company. It came to light that most members were unaware that the telecoms depend on GridCo's infrastructure to transmit their signals. It was an exciting encounter and members expressed their desire to see more of such activities. Members expressed opinions that such educative programmes should earn them some CPD points since it was difficult for members to actively participate in the programmes at Accra considering the distance and cost implications.

The UDS Students Chapter was inaugurated during the period under review. This was followed-up with a 1-day working visit by the President of GhIE to the Branch on the 25th January, 2020. The Branch meeting with the GhIE President was well attended and the encounter created great opportunities for young and upcoming engineers to ask pertinent questions. The event took place at the NORRIP Club House in Tamale with over 100 participants. Participants included corporate members and trainee members and student members. The president made an impressive presentation and answered questions ranging from activities of GhIE to membership.

Some issues raised with the president included:

- How the institution could improve engagement with all branches to organize professional development training programmes at the branch levels.
- How the institution could over financial support to engineering students

Members and students from the Upper East and Upper West chapters could not attend because the approved budget could not support their coming. It was hoped that the president would consider another interaction session with members of the two chapters to create a sense of belonging in the members of those chapters.

The World Engineering Day was marked in the GNAT Hall of the Northern Regional capital of Tamale on the 4th of March, 2020. In all, ten (10) Junior High Schools were selected by the Directorate of the Sagnarigu Municipal Education Service. Each school presented 20 pupils comprising ten (10) boys and ten (10) girls. The programme was also patronized by student chapters of the University for Development Studies (UDS) and the Tamale Technical University (TaTU). Pupils expressed their delight and asked for more and expanded engagement to enable them understand the engineering profession to be able to make informed career choices.

4.6 Branch 6 (Volta & Oti Regions)

The Branch started the 2019/20 Council Year with a Health Walk on Saturday August 17, 2019 in Ho. This was in collaboration with the Ghana Armed Forces.

On Wednesday, 14th August 2019 the Branch facilitated a pre-examination workshop with twenty-two (22) participants at the conference room of the Ho Regional Office of ECG. The corresponding engineering professional examinations were held on November 16, 2019 the same premises. Thirty-five (35) candidates participated in the exams.

Engineering students of the Ho Technical University invited the Institution to their Engineering Students Week Celebration and to them about the during their Engineering Council Act, 2011 (Act 819). The Branch facilitated the presentation by Ing. Wise Ametefe, registrar of the Engineering Council. The Branch also represented the Ghana Institution of Engineering to present the Best Engineering Student Award at the Ho Technical University.

The Branch ended the period under review with organisation of regional celebrations for the launch of UNESCO World Engineering Day. Radio programmes highlighting the contribution of engineering to national development were held prior to the climaxing ceremony involving speeches and interactions with primary and JHS school children at the Ho Technical University on March 4, 2020.

4.7 Branch 7 (Central, Western & Western North Regions)

The Branch had planned to commence meetings in September 2019, but this could not happen

as the branch's tenancy agreement with the Takoradi Technical University (TTU) had expired. The agreement has since been renewed and it is expected to expire on August 2020. The Branch Executive however engaged the Dean of School of Engineering, Dr. Bentil on October 8, 2019. The main item for discussion was the need for engineering lecturers at TTU to be registered with the GhIE. A follow up meeting was held on November 21, 2019. The Dean also promised to liaise with the University Planning Unit to revisit the land for the proposed Branch Office.

The Branch also visited Ghana National Gas Company at the Atuabo Gas Processing Plant (GPP) and the Gas Complex on October 23, 2019. About forty-five (45) engineers attended including both registered and non-registered members. The object of the outreach was to educate members about the activities of the GhIE for better participation, registration of new members and formation of a Chapter in the area.

A meeting was held on November 4, 2019 to put together the 2020/21 Work Plan & Budget and discuss the outstanding provision of a laptop promised by the Institution for the 2018/2019 Overall Best Engineering Students Award at Takoradi Technical University. The laptop has since been provided and presented to the student.

The Branch represented the Ghana Institution of Engineering to present a talk on job prospects for engineering graduates to final year students at the University of Mines and Technology, Tarkwa on March 14, 2020.

4.8 Women IN Engineering (WINE)

Women IN Engineering (WinE) undertook several programmes in the 2019/20 Council year to commemorate its 20th Anniversary. Notable amongst them were the WinE Rebranding (Website and Social Media Handles), Mentoring, Career Guidance and Counselling of young girls in STEM in partnership with MiDA and ECG and Capacity Building, which culminated in inauguration of WinE Executives and the WinE Council.



The WinE Logo

The newly-formed WinE Executive Committee met on September 27, 2019 to prepare towards the 20th Anniversary Climax Activities. These included a one (1)-day outreach program at Linda D'Or Rest Stop near Bunso in the Eastern Region on 23rd September, 2019. This was held as part of the WinE Sanitation Project, which included a collaboration with the chiefs and people of Akyem Nyanoa in the Eastern Region to undertake communal labour and clean up exercise on 10th October, 2019. Sixteen (16) members fully participated in the programme on that day. Sanitary items such as brooms and dust bins were donated to the people of Akyem Nyanoa.

WinE Ghana was adequately represented by ten (10) members at the UNESCO 6th Africa Engineering Week conference at the AVANI Victoria Falls Resort in Livingstone, Zambia from 15th to 21st September 2019.



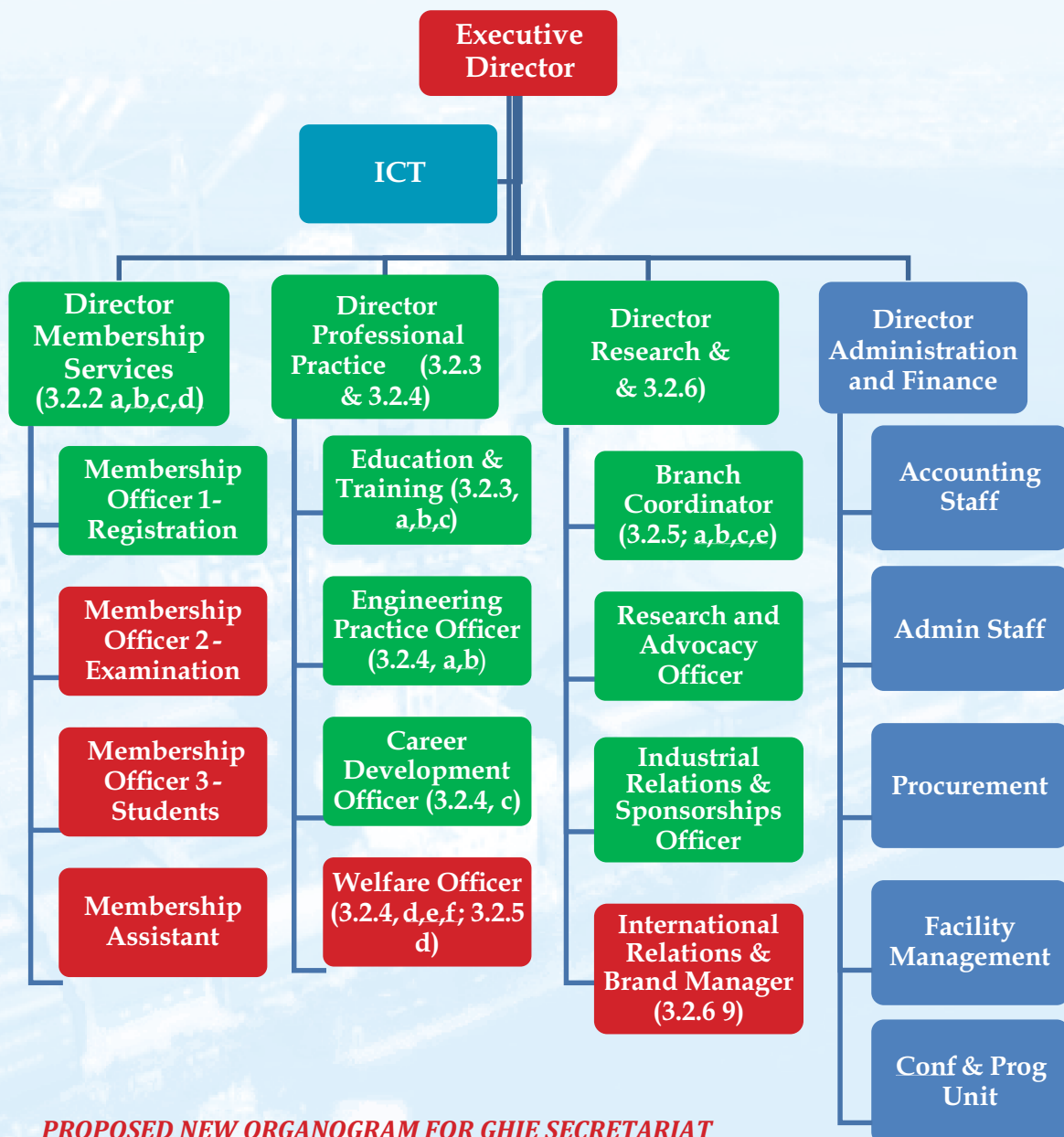
WinE Members with other GhIE Members at the UNESCO 6th Africa Engineering Week

The celebrations marking the 20th Anniversary of WinE climaxed with WinE organising the GhIE end-of-year cocktail on Friday December 20, 2020 at the Engineers Centre. The function included speeches by the GhIE and WinE Presidents and an exciting dancing competition, which was won by the GhIE Acting Director of Operations, Ing. Hector Boye.

5.0 GHIE SECRETARIAT ADMINISTRATION

5.1 Secretariat Structure

The GhIE Council approved a new organogram for the GhIE Secretariat that is expected to improve the efficiency and effectiveness of the Secretariat to prosecute the mandate of the GhIE as outlined in the Engineering Council Act, 2011 (Act 819) as well as the new GhIE Constitution with its associated Bye-Laws.



The implementation plan for the new organogram and job descriptions for the proposed organizational structure is at an advanced stage. This development is to ensure that the GhIE becomes a modern organization based on contemporary business practices. These significant changes are expected to successfully streamline our operations and increase productivity.

5.2 Secretariat Administration

The following staff movements occurred during the Council Year:

- (I) Ing. Hector Emmanuel Adjetey Boye, PMP, joined the Secretariat as Acting Director of Operations, effective 17th June 2020.

The current staff list is as shown below:

No.	STAFF	POSITION
1.	Ing. Kwabena Agyei Agyepong	Executive Director
2.	Mohammed Issah	Dir. Corp. Affairs & Information Resources
3.	Ing. Hector Boye	Acting Director of Operations
4.	Benjamin Akunarh	Accounts Manager
5.	Ayishetu Osman	Administrative Officer
6.	Jacqueline Beecham	Programmes Officer
7.	Franklin D. Asante	Senior Account Clerk
8.	Frederick Okae	Assistant Clerk
9.	Rita Adobea Antwi	Assistant Membership Officer
10.	Benjamin Bartels	Assistant Accounts Officer
11.	Richard Acheampong	Assistant IT Officer
12.	Franklin Boadu	Assistant IT Officer
13.	Marion Somuah Nyarko	Assistant Membership Officer
14.	Edward Y. Berkoh	Driver
15.	Martin Acheampong	Gardener
16.	Tahiru Dimah	Dispatch Rider
17.	Peter Wegble	Cleaner

Mrs. Monica Osei Tutu Nketia Marfo took over from Mrs. Alfreda Ama Fawel as Personal Assistant to the Executive Director. Council also directed that the position of the Director of Operations should be advertised for interested persons to apply to fill the position permanently.

Prof. Sam Owusu-Ababio started his sabbatical engagement with the GhIE on February 10, 2020. Prof. Sam Owusu-Ababio is a Professor from the Department of Civil and Environmental Engineering of the University of Wisconsin, Platteville, U.S.A. Prof. Sam Owusu-Ababio is on sabbatical leave on the invitation of the Ghana Institution of Engineering. Prof. Owusu-Ababio is to assist the GhIE improve its professional development courses and seminars as well as review the GhIE Code of Ethics. This is to strengthen the engineering profession in Ghana and champion the advancement of members of the Institution.

5.3 Arbitration And Advisory Services

Arbitration and Advisory services can potentially become a prominent revenue generator for the Institution considering the volume of assignments that the GhIE was requested to undertake during the 2019/2020 Council year. During the year moves were initiated to engage more effectively with Ing. Dr. Baffuor Asare of the Global Alternate Dispute Resolution ADR Centre in Accra. This was intended to explore fully the possibility of training more of our senior members and enable them acquire the necessary knowledge and skills to competently adjudicate on disputes between parties during the execution of engineering projects.

In the period under review the GhIE received numerous requests to conduct dispute adjudication and arbitration from both the private and public sector as well as providing advisory services to a variety of entities. These included undertaking assignments for Newmont, Ghana Tourist Authority, Atlantic Structures Ltd., Consar Ltd., Kaiser Flats Residents Association, Assessment of Aboso Glass Factory for GIHOC, Focos Orthopaedic Hospital, Ghana Airport Company Ltd (GACL), Ministry of Water Resources and Sanitation, Komfo Anokye Teaching Hospital, Donewell Insurance, Ghana Gas and Land Valuation Board among others.

5.4 Public Interest and Corporate Relations

The renewed focus of the GhIE in developing a stronger national presence in furtherance of our mission to have a relevant presence in society resulted in increased media coverage and national prominence of GhIE events. In the year under review the Executive Director of the Institution paid working visits to the major corporate partners of the GhIE. These included sessions with the CEO's of Volta River Authority **VRA**, Platinum Sponsors, Ghana National Petroleum Company **GNPC**, Bui Power Authority, Ghana Ports and Harbours Authority **GPHA**, Ghana National Gas Company, Ghana Grid Company **GRIDCO**, Ghana Civil Aviation Authority **GCAA**, Tema Oil Refinery **TOR**, Kosmos Energy and Tullow Oil among others.



Ing. Kwabena Agyei Agyepong with Ing. Simon Allotey, CEO GCAA

Discussions centred on how the GhIE will collaborate with engineering firms to conduct Continuous Professional Development CPD courses for engineering practitioners to keep members updated on latest trends in global best practice, Notifications and Compliance with the Engineering Council Act 2011, (Act 819) following up on earlier correspondence issued to all engineering firms, engineering service providers, engineering practitioners and the general public to comply with the Act. Issues relating to Ethics and excellence in Professional Practice also featured prominently in the sessions.

As part of our social responsibility, members of the GhIE also engaged society at large when required, sharing professional expertise, views and ideas on matters of public interest. These contributions were duly recognized on major national media networks and coverage in high circulation newspapers.

The Institution was invited to a panel discussion on issues arising from the Auditor-General's report submitted to parliament on Performance Audit undertaken on six (6) road projects managed by the Ghana Highway Authority. The program was broadcast on the Corruption Watch Program on JOY FM live on World Engineering Day, March 4, 2020. The report stated some adverse findings with respect to Cost overruns, Unapproved Variations, Procurement Issues, Low Quality Work, and perennial Delay in completion of work. Ing. Hector Boye , Ag. DOP represented the GhIE on the program. Ing. Boye delivered his presentation from an engineer's point of view, whilst Mr. Hammond Larbi representing Road Contractors, explained the challenges they face securing and executing contracts in Ghana. A legal practitioner Mr. Jude Tuffuor provided insights on value-for-money on government projects and the vexed issue of forensic audits of road contracts. It was acknowledged that performance audits ought to be undertaken when the projects are ongoing.

Members of the Institution continued to offer themselves as representatives of the GhIE on Entity Tender Committees (ETCs) and Bid Evaluation Panels (BEPs) of several MMDA's government/state projects as well as serving on panels interviewing applicants for admission into the Civil and Public services of Ghana. A simple reporting template was developed for GhIE nominees serving on the various ETCs to help facilitate reporting and feedback to the Institution.

A petition was received from members at AngloGold Ashanti - Obuasi to form a Branch of the GhIE. After setting up two (2) committees to review the petition it was realised that per the provisions of the GhIE constitution and bye-laws, the petition in its current state was not complete and the response out of order. The petitioners have been duly

notified in this regard and they have been requested to provide further and better particulars as required by the constitution.



**WORLD ENGINEERING CONVENTION
MELBOURNE, AUSTRALIA**



**2019 WFEO GENERAL ASSEMBLY
GHANA
MELBOURNE, AUSTRALIA**



**GhIE Executive Director with the
UNESCO Country Manager in preparation
for the 1st World Engineering Day
on March 4th 2020**



**UNESCO AFRICA ENGINEERING CONFERENCE
LIVINGSTON, ZAMBIA**

5.5 Public/Private Sector Collaboration

5.5.1 GIZ - PROFESSIONALIZATION OF ARTISANS

The Institution is collaborating with GIZ, Vodafone, Bosch, National Vocational Training Institute, Consolidated Bank of Ghana and the Artisans Association of Ghana to certify artisans. A skills/tools gap assessment of artisans is expected to be undertaken soon. This project will result in training by COTVET and professional certification by GhIE and subsequent registration for membership. Efforts were underway to bring on board fifty (50) master craftsmen in the various disciplines. They would be trained to become the enumerators for the skills/tools gap research and assist in finalising the procedures for certifying the artisans. It was noted that there was the need to revive the Young Engineers Forum (YEF) to attract young artisans.

5.5.2 KNUST-ALUMNI

In conjunction with KNUST alumni a high level forum with the theme **“Value for money on Public Infrastructure at the Local Level: The Role of the Teknokrat”** was held at the Engineers Centre, Roman Ridge on Tuesday April 30, 2019. The Head of the Local Government Service, Ing. Dr. Nana Ato Arthur was the main speaker. He admonished Teknokrats especially those in positions of influence to be trustworthy as that was key in championing the course of value for money. The Guest Speaker was the Senior Minister and Fellow of the GhIE, Hon. Ing. Yaw Osafo-Mafo. He bemoaned the complex nature of procedures in infrastructure delivery, “as this leads to delays in payments - a major challenge in trying to achieve value for money.” Presentations were also made by Senior Teknokrats from various institutions including the Institutes of Planners, Surveyors, Engineers and Architects who gave different perspectives to achieve value for money in infrastructure delivery in the country.

5.5.3 MESTI and MASTERCARD FOUNDATION CANADA

As a follow-up on the Peduase Conference on Bridging the Technology Gap, a media encounter was organised at the Engineers Centre on Tuesday 2nd July, 2019 addressed by the Minister for Environment Science Technology and Innovation (MESTI), Prof Kwabena Frimpong-Boateng. In his keynote speech, he outlined the key benchmarks of the Peduase Declaration and announced the formation of the Technology Design Manufacturing Centres (TDMC) Implementation group chaired by PP Ing. Dr. Kwame Boakye. The TDMC project is a collaboration between the GhIE and the Ministry of Environment Science Technology and Innovation (MESTI) supported by MasterCard Foundation of Canada. It is intended to promote industry-driven hands-on engineering education and training programmes.



5.5.4 BUSAC FUND III

The Institution successfully applied for and received financial support from the BUSAC Fund to sustain the advocacy process of stakeholder consultations necessary to produce Engineering Regulations in the form of a Legislative Instrument (LI) required to enhance the effective implementation of the Engineering Council Act 2011 (Act 819). Other planned activities completed in the period under review included a final stakeholder workshop held at the Engineers Centre in Accra to finalise preparation of the Engineering Regulations intended to give the necessary legal backing to the Engineering Council Act 2011, (Act 819). The document has since been sent through the Minister of Works and Housing and the Attorney-General to Parliament where it is currently undergoing Legislative review.

5.5.5 BUILT ENVIRONMENT FORUM

In the past year the GhIE initiated moves to revive the Built Environment Forum as a platform to harmonise and strengthen the influence of professionals in the infrastructure delivery sector. A number of meetings were organised at the Engineers Centre between the Presidents and Chief Executives of the Ghana Institution of Engineering (GhIE), Ghana Institute of Architects (GIA), Ghana Institute of Planners (GIP) and the Ghana Institution of Surveyors (GhIS). The issues discussed at these meetings included reports made to the engineering-related ministries regarding some consulting firms operating without registration and certification by the GhIE and the Ghana Consulting Engineers Association (GCEA). Other issues dealt with included the perennial problem of delayed payments to Consulting Firms engaged by the Ghana Government and enforcement of the Local Content Law.

The award of several major projects of national significance to a particular overseas-based architect without recourse to proper procurement procedures was a matter of grave concern to the professional bodies and was extensively discussed.

Representatives of Built-Environment Professionals were nominated to serve on the adhoc committee constituted by the Ministry of Works and Housing to review professional fees and rates for practitioners in the sector. It was suggested that there was the need to involve the Engineering Council of Ghana in the review process which is still ongoing.

To demonstrate the renewed cooperation, on 30th September 2019, the Executive Director of the GhIE and the President of the GIA accompanied a team of Engineers and Architects to visit the accident site at the Dzorwulu Primary school where a building under construction had collapsed on Saturday, 28th September, 2019. Two persons died during the disaster while nine others were injured. Barely twenty four hours after the structure collapsed on the Dzorwulu primary school compound, officials of Greater-Accra NADMO and the Ayawaso West Municipal Assembly had moved in to clear the debris. By Monday, school was back in session, the rubble completely cleared and with it crucial evidence. The GhIE and the GIA raised concerns over the speed with which the debris was cleared emphasising that the area should have been treated as an accident site and cordoned off for professionals to carry out investigations into the cause of the collapse.

5.5.6 WEST AFRICAN CLEAN ENERGY & ENVIRONMENT CONFERENCE WACEE 2019



The Deputy Minister of Sanitation and Water Resources launched the First Ghanaian German Water Week 2019 and 7th edition of the West African Clean Energy & Environment Trade Fair and Conference at the Accra International Conference Center on Tuesday November 5, 2019. The Conference attracted high level representatives from the Water Resources Commission, Ghana Water Company Ltd, experts from academia and a delegation made up of experts from the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Delegation of German Industry and Commerce in Ghana.

The Executive Director of the GhIE, Ing Kwabena Agyei Agyepong, delivered a paper on Management of Water Resources in Ghana in which he, emphasized the need to adopt a more Integrated Water Resource Management (IWRM) system for the country.

5.5.7 GHANA TRANSPORTATION PROFESSIONALS FORUM NORTH AMERICA GTPF

Planning for the next Ghana Infrastructure Conference (GIC) organized by the Ghana Transportation Professionals Forum (GTPF) in collaboration with Ghana's Ministry of Roads & Highways, Ghana Institution of Engineering and the Transportation Research Engineering Centre Kumasi (TRECK) o Kwame Nkrumah University of Science and Technology was underway. The conference was scheduled for Tuesday, August 11, 2020 to Friday, August 14, 2020.

5.5.8 UNIVERSITY OF STELLENBOSCH BUSINESS SCHOOL(USB) SOUTH AFRICA

The Executive Director and the Acting Director of Operations met with five representatives of USB including Prof Piet Naudé (Director and Professor), Dr. Marietjie van der Merwe (MD - Global Natives) and Dr. Meshach Aziakpono (Professor: Development Finance) at the Engineers Centre on August 14, 2019. Discussions centred on a developing a Memorandum of Understanding (MOU) to deliver formal academic training in Project Management (Pg. Dip.) and customized Executive Education as Continuous Professional Development (CPD) for GhIE Members.



5.5.9 BAMBOO BIKES INITIATIVE

The Institution joined the Bamboo Bikes Initiative to launch a campaign on cycling lanes and road safety under the theme “Building Sustainable Cities: Role of Engineering an Inclusive Mobility System”. This came off on 28th November 2019 at the Kempinski Gold Coast Hotel, Accra. This campaign aims at the development of smart mobility systems that improve connectivity, facilitate urban decarbonization and create a climate-smart environment for sustainable development. The intended outcome is to create an inclusive/integrated (cycling, electric cars etc) infrastructural remodeling of Ghana's transport system by reconciling technological innovation with the economic, social and ecological challenges of the city of tomorrow.

Doris Edem Agbevivi, Project Coordinator of Drive Electric Initiative at the Energy Commission of Ghana spoke on the role disruptive technologies play in the shift toward sustainable cities (SDG11) and how Ghana is getting prepared for the future. Ing. Jack Asare Awuku, Transportation Expert on Sustainable Transport representing the GhIE at the forum, highlighted the engineering problems standing in the way of building sustainable mobility/transport systems such as dedicated cycling lanes. He suggested that re-engineering our cities to improve mobility is key. Other participants were Mr David Adonteng from the Road Safety Commission, and Mr Darlington Munhuwani, CEO of Alliance Insurance.

5.5.10 GHANA CHAMBER OF TELECOMMUNICATION

The CEO of Ghana Chamber of Telecommunication Ing. Kenneth Ashigbey paid a working visit to the Engineers Centre to discuss industry players' compliance of the provisions of the Engineering Council Law among other issues, including the concerns of a group of Telecom Engineering personnel (Telecom Outsourced Engineering Staff Alliance, TOESA) who have been transferred from the Telecom companies in the country to Huawei Technologies. Huawei has also released them to other third parties. These companies become like staff recruiting companies in an arrangement with Huawei. This situation has the tendency to break the front the leadership of the Telecom Engineers; particularly in negotiating remuneration agreements with Huawei. TOESA has subsequently written to GhIE with a list of 250 engineering practitioners who wish to be registered as members of the GhIE so the Institution can come to their aid and protect their rights.

5.5.11 GHANA CHAMBER OF MINES

The Chief Executive of the Ghana Chamber of Mines Mr Solomon Koney paid a courtesy call at the GhIE offices to discuss a variety of issues affecting our members working conditions in the mining sector. Prominent among these included the Chamber's response to the correspondence on Notification and Compliance of the Engineering Council Act (Act419) by mining companies of the chamber.

The CEO used the opportunity to invite the GhIE to the official opening of the new headquarters of the Chamber as well as an impending Local Content Workshop which was being organized by the Chamber of Mines. The Director of Corporate Affairs and Information Resources of the GhIE, Mr. Issah, represented the Institution at the Workshop which was held on 22nd October 2019 at the M-Plaza hotel. The workshop presented shareholders with the opportunity to discuss the Ghana Local Content and Local Participation Bill 2013 and its subsequent amendments. The general consensus was that even though the law exists, foreign companies found ways of circumventing it by imposing requirements that were difficult for local companies to meet and that more effort must be made into putting in place modalities that give local companies a fair opportunity to participate in the extractive industry.

5.5.12 NATIONAL DEVELOPMENT PLANNING COMMISSION NDPC

The National Development Planning Commission invited the GhIE to its fifth National Development Forum (NDF) to discuss land governance in Ghana and the prognosis for Ghana's land use and spatial planning. It was on the theme, "Long-term Development Perspective on Land Governance and Ownership in Ghana", and was held at the British Council, Accra, on Tuesday, 24th September 2019, from 5:30pm-7:30pm. The keynote address was delivered by Prof. Seth O. Asiamah, Department of Land Economy, KNUST, after which there was a questions and answers session with a moderated panel discussion. The deliberations considered the state of land access, ownership and administration in Ghana, and lessons from previous and ongoing land reform initiatives. The chairman for the occasion was Nana Kobina Nketsia V, Paramount Chief of the Essikado Traditional Area. The Institution was again invited to another DPC program in November 2019 that discussed the greening of human settlements. The GhIE Acting Director of Operations represented the Institution on both occasions.

The Immediate Past President of the GhIE, Ing. Steve Anoff Amoaning-Yankson delivered the keynote address on the theme "Sustainable Management of Ghana's Sanitation" at the 8th National Development Forum on Sustainable Management of Ghana's Sanitation organized by the National Development Planning Commission (NDPC) on Thursday 19th December, 2020 at the British Council, Accra.

5.5.13 CONFERENCE ON DEVELOPMENT ENGINEERING

The Institution participated in the 1st International Conference on Development Engineering on February 27, 28, and 29th at Academic City College in Accra. The conference was co-hosted by Academic City College (Ghana) and the Institute of Science and Technology for Development (InSTeD) of Worcester Polytechnic Institute (WPI), USA. Development Engineering is an emerging field of academic inquiry and practice that seeks to collaborate with local communities to identify problems together with communities and co-produce solutions to those problems. The aim of the conference was to push development engineering beyond its current limits by drawing on new design thinking, cross-cultural co-design, and project-based learning, in ways that will re-conceptualize the relationship between so-called “western” experts and the communities they hope to serve. It also addressed challenges that come from mobilizing the flow of technology and the integration of appropriate technologies within the milieu of policy development and execution in the developing world.

Speaking at the opening ceremony, the President of the GhIE Ing. Leslie Alex Ayeh stated that the aim of the conference was in line with GhIE's commitment to leverage engineering and technology to achieve sustainable development. He commended Academic City and WPI for the initiative and expressed hope that the conference would help discover great ideas which would be relevant to the development agenda of the African continent.

The Executive Director of the GhIE participated in a panel discussion about Design Thinking, Engineering, and Development. Others on the panel included Prof. Fred MacBanglouri, President of Academic City and Prof. Winston Wole Soboyejo, Senior Vice President and Provost of Worcester Polytechnic Institute, USA.

5.5.14 IMAGE CONSORTIUM

The Institution collaborated with Image Consortium to organize the 17th International Building and Construction and Properties Exhibition at the Accra International Conference Center on Thursday October 3, 2019 with the theme “Conceive, Construct and Conserve”. The GhIE President Ing. Leslie Alex Ayeh was the chairman of the Opening Ceremony.

5.6 International Relations

In the past few years the Institution's global footprint has been progressively enhanced with the GhIE regularly represented at World Federation of Engineering Organisations WFEO, FAEO, APWA, ASCE, CEC meetings and conferences. The heightened International activity yielded dividend with the election of Past President Ing. Carlien Bou Chedid as the President-Elect for the Federation of African Engineering Organisations (FAEO). As a result, Ing. Bou-Chedid becomes an alternate representative of FAEO on the executive council of WFEO. Hopefully the GhIE will exercise our best endeavors to host the UNESCO Africa Engineering Week in Ghana during her tenure of office.

5.6.1 2019 WFEO WORLD ENGINEERS CONVENTION WEC

The World Federation of Engineering Organisations (WFEO) biannual Convention under the theme *Engineering a Sustainable World -The next 100 Years was hosted by Engineers Australia to coincide with the commemoration of their 100th Anniversary. Participants from over 80 Professional Engineering Institutions, dozens of International Societies of Science Technology Research and Engineering gathered in Melbourne for the week long General Assembly.

The General Assembly (GA) approved the 2019-2023 WFEO Strategic Plan, admitted 13 new members and associates. GA admitted International Federation of Municipal Engineering (IFME), International Federation for Medical and Biological Engineering (IFMBE,) World Geospatial Industry Council (WGIC) as international members and International Federation of Engineering Education Society (IFEES), International Centre for Engineering Education (ICEE), International Network for Women Engineers and Scientists (INWES) and International Science and Technology and Innovation Centre (ISTIC) as associates. The GA also endorsed the establishment of the

WFEO/International Engineering Alliance IEA Working Group on Capacity Building. The WG is charged to extend the global reach of IEA Accords and Agreements through the WFEO member network in partnership with UNESCO in order to raise the standard of Engineering Education, Accreditation and Professional Charter to levels required by the IEA.

Eight African countries Ghana, Mauritius, Kenya, Rwanda, Nigeria, Zimbabwe, Brazil and Sri Lanka are the initial batch of Professional Engineering Institutions to undergo the process. Ghana was also selected as one of the African countries to participate in the novel Infrastructure Report Card for Africa south of the Sahara. WFEO, the CEC, UNOPS are partnering FAEO in this project.

The conference also decided to establish a Global Code of Ethics to guide engineering practitioners to be abreast with ethical issues regarding integrity and responsible conduct with professional practice alongside a sanctions regime. In his inaugural speech the new President of WFEO Prof. Ke Gong of China promised to devote himself to the task of enhancing the trail blazed by his predecessor. He recognised the impacts of emerging technologies such as Artificial intelligence AI, Big Data, Internet of Things IoT, Quantum Computing and others to future engineering. He added that Engineers need to master these technologies in order to promote the responsible conduct of their application and innovation in engineering.



Ghana was represented by Ing. Mrs. Carlien Bou-Chedid President-Elect FAEO and Ing. Kwabena Agyei Agyepong, Executive Director Ghana Institution of Engineering GhIE and West Africa Federation of Engineering Organisations WAFEO, Dr. Kwame Boakye, Ing. Asare Yeboah, Ing. Kwaku Boampong all Past Presidents of GhIE, Ing. Magnus Asiedu, Ing. Dr Enyonam Kpekpena, Ing. Mavis Allotey both Council members and members of Women in Engineering WiNE.

5.6.2 FEDERATION OF AFRICAN ENGINEERING ORGANISATIONS (FAEO) 6th UNESCO AFRICA ENGINEERING CONFERENCE

The 2019 FAEO conference was hosted by The Engineering Institution of Zambia (EIZ) in collaboration with UNESCO, World Federation of Engineering Organisations WFEO, The Federation of African Engineering Organisations FAEO and supported by The Southern Africa Federation of Engineering Organisations SAFEEO. The theme of the conference was ***“Addressing the SDGs through Sustainable Engineering Development”***. The highlight of the conference was the adoption of Resolution #2 which encouraged all African countries to adopt the International Engineering Alliance and Graduate Attributes which seeks to harmonize engineering education and also to help in the mobility of engineers in order to achieve substantial equivalence amongst professionals.

5.6.3 FAEO EXTRAORDINARY GENERAL ASSEMBLY

This FAEO Extraordinary General Assembly GA was held during the 6th UNESCO Africa Engineering Week and 4th Africa Engineering Conference at the Avani Victoria Falls Hotel Resort in Livingstone, Zambia. The GA approved amendments to the FAEO Constitution, FAEO Rules of Procedure, FAEO 5-year Strategic Plan and a new policy on Transparency, Diversity and Inclusion. The meeting also decided that to achieve FAEO's goal of Harmonization of Engineering Education and Professional Practice on the African Continent and reach Substantial Equivalence with international standards, National members of FAEO are to adopt the requirements of the International Engineering Alliance (IEA).

In furtherance of this objective FAEO organised a capacity-building workshop at the Protea Hotel, Livingstone on 18th September, 2019 during which the Institution of Mauritius (IEM) delivered a presentation on the progress achieved so far on the IEM road map to becoming a signatory to the Washington Accord.

The President of FAEO Ing. Martin Manuhwa announced that the Infrastructure Report Card Project for Africa South of the Sahara will be launched with a Kick-off meeting in Abuja, Nigeria in January 2020.. The launch subsequently took place from the 16th - 17th January, 2020 at the FAEO Offices hosted at the National Headquarters of the Nigerian Society of Engineers (NSE), Abuja, Nigeria. It was carried out by the President of FAEO, Eng. Martin Manuhwa, FZWIE and supported by the Project Team Leader, Engr. Dr. Martin Van Veelen of the South African Institution of Civil Engineers (SAICE). The objective of the project is to prepare a report on the state of infrastructure in Africa South of the Sahara. Ing. Dr. Patrick Bekoe Chairman of the Education and Training Committee is representing the GhIE in this regard and attended the launch.

The President of FAEO also briefed the GA on the memorandum of understanding (MoU) signed with the African Union as part of the AU Agenda 2030 program. FAEO under this initiative is expected to play a leading role in the Africa Digital Infrastructure Moonshot Project, which is a project masterminded by WFEO (headed by the former WFEO President) for Africa in partnership with the FAEO. It is to ensure that everyone on the continent is digitally enabled by 2030. The World Bank estimates it will need US \$ 100.0 billion. The World Bank itself has committed US \$ 24.0 billion.



Ghana's delegation to the conference included Ing. Carlien Bou Chedid President Elect FAEO, Ing. Leslie Alex Ayeh President GhIE, Ing Kwabena Agyei Agyepong Executive Director GhIE and West Africa Federation of Engineering Organisations WAFEO, Ing. Dr Kwame Boakye Past President GhIE, Council members Ing. Dr Patrick Bekoe, Ing. Dr. Enyonam Kpekpena, Ing. Mavis Allotey and members of Women in Engineering (WinE).

5.6.4 WEST AFRICAN FEDERATION OF ENGINEERING ORGANISATIONS (WAFEO)

The GhIE in collaboration with the Sierra Leone Institution of Engineers (SLIE) under the auspices of the West Africa Federation of Engineering Organisations (WAFEO) applied for the Phase III of the African Catalyst Project. SLIE is the lead organization in the application process. The Africa Catalyst project aims to strengthen professional engineering bodies in sub-Saharan Africa. It is designed to strengthen the Federation of African Engineering Organisations (FAEO), to enable it effectively promote the profession and increase local engineering capacity in order to help drive development in the country and region. The bid was successful and the documentation required for its inception and launch is being prepared for the partners.

A seminar on the future of engineering education was organised by WAFEO during GhIE annual conference at the Volta Hotel, Akosombo. Some 300 delegates attended the seminar which had presentations from Prof. Jonas Sawyerr, President of the Sierra Leone Institution of Engineers SLIE, Dr. Rob Watermayer from South Africa Institution of Civil Engineers SAICE and Prof Fred MacBanglouri PE-GhIE, Academic City College, Accra.

Before the Akosombo conference, the President of WAFEO Engr. Otis Anyeaji FNSE paid a working visit to the Engineers Centre, Accra the headquarters of the GhIE which also serves as the secretariat of WAFEO. In the year under review the WAFEO General Secretary, Ing Kwabena Agyei Agyepong, FGhIE increased efforts to encourage other Professional Engineering Institutions in the ECOWAS subregion to become members of the body. Contacts have now been established with our sister institutions in Togo, Burkina Faso, Cote D'Ivoire, Mali, Senegal, Niger, Guinea and Liberia. The Secretariat intends to strengthen these ties using online resources as a start.

Subsequent to the WAFEO Executive Committee meeting held during the GhIE conference in Akosombo, the 2nd Quarter meeting was held in Tunis on the 25th of June during the International Conference on Food Security in Africa, 3rd Quarter in Livingston, Zambia and the 4th Quarter in Melbourne, Australia during the WFEQ conference.

WAFEO also nominated a member of the NSE to represent the Institution and participate in the workshop to validate the Expressions of Interest EOI's from prospective consultants who had presented proposals for the ECOWAS leg of the Trans African Highway Project.

5.6.5 AMERICAN PUBLIC WORKS ASSOCIATION APWA

The Vice President of the GhIE, Ing. Harold Esseku and the Executive Director Ing. Kwabena Agyei Agyepong and attended the annual APWA Conference in Seattle, Washington State in the USA from September 8, 2019 to September 11, 2019. The two held discussions with APWA President William Spearman and Executive Director Scott Grayson on further cooperation between the two organisations. The discussions centred on the possibility of GhIE members, especially our Municipal Engineers being provided with the opportunity to undertake webinars and other CPD programs to keep them updated on new technological trends in public works engineering and key developments in Sustainable and Climate Resilient Cities. The team also met with the President of the International Federation of Municipal Engineers IFME, the body that represents the interests of public works engineers worldwide.



The Executive Director of the GhIE subsequently initiated moves with the Office of the Head of the Local Government Service to mobilise municipal engineers at the MMDA's into a technical grouping under the auspices of the GhIE to become affiliate members of the IFME which will enable them attend such conferences to acquire more knowledge and skills in this vital sector. A letter has since been dispatched to the Office of Local Government in this regard.

5.6.6 AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE

The Executive Director, Ing. Kwabena Agyei Agyepong, represented the Institution at the annual 2019 ASCE Conference in Miami, Florida in the USA from October 10, 2019 to October 13, 2019. The keynote address by Alex McDowell gave a glimpse of The Floating City, the ASCE Future World Vision future-scenario forecasting Project that puts engineers decades into the future so they can start creating tomorrow's solutions today. Future World Vision will help ensure that the decisions civil engineers make, in building high-tech, resilient, and sustainable communities of the future, optimize desirable outcomes while avoiding undesirable and unintended consequences.

Out of an MOU with that ASCE, a correspondence was communicated to GhIE members with regards to an online course on “Guidelines to Sustainable Development and Environmental Stewardship” by Engineers Canada.

5.6.7 NIGERIA SOCIETY OF ENGINEERS NSE- 2019 NSE CONFERENCE, KANO

The conference was held from 2nd to 6th December 2019 under the theme “Sustainable Engineering Infrastructure for Accelerated Rural Development”. A four-member delegation made up of PP Ing. Dr. Kwame Boakye, the President Ing. Leslie A. Ayeh, the Professional Engineers Council Representative Ing. Haizel and the Engineering Technicians Council Representative Mr. Philip Aheto represented the GhIE”. Their attendance opened their eyes to the need to involve young engineers and students in AGMs. They also suggested that competitions should be organized amongst the various divisions and branches for awards.



Council Members Visit To Kano

5.6.8 NIGERIA SOCIETY OF ENGINEERS NSE- INVESTITURE CEREMONY, ABUJA

The Institution was also represented at the official inauguration of Engr. Babagana Mohammed, FNSE as the 32 President of the NSE held on Saturday, 11 January, 2020, at the Africa Hall, International Conference Centre (ICC), Abuja, at 10.00am prompt. The Pre-Investiture activities included an Inaugural Lecture and Cultural Night.



6.0 CONCLUSION

The Executive Director and the management team remain committed to making the GhIE a natural home for all engineering practitioners and will work harder in the coming year to inspire the next generation of engineering professionals. The GhIE membership now stretches across the four occupational classes and we are excited to energize WiNE to attract more women and also work to increase the numbers of technologists, technicians and master craftsmen on our books.

It is envisaged that an exhaustive review of the curriculum for tertiary engineering education in the country will be carried out in the coming year on a trajectory to ensure that the Graduate Attributes of engineering students coming out of school and the Professional Competencies of practicing engineers are closely aligned to the requirements of the International Engineering Alliance IEA in accordance with the Washington Accord.

The implementation of the new organogram for the GhIE Secretariat remains a foremost priority. This should provide a brilliant opportunity to rebuild our capacity as professional qualifying body and a training provider with a clear vision and strategy to meet the needs of our esteemed membership. It will also enhance the Institution's reputation as a leader in facilitating the acquisition of new knowledge, skills and ethical behavior that prepares engineering practitioners for successful careers. We would continue to grow the student chapters, prioritize the professionalization of artisans project and effectively deal with the perennial problem of the large chunk of inactive members.

Going forward Management will continue to review and consolidate our processes and programmes acting in the best public interest at all times and create an opportunity to open discussion on how to effectively influence political authority, policy makers and the society at large.

IN MEMORIAM

Management regrets to report the news of the passing to eternal glory of our Past Presidents Ing. Sarfo-Debrah, Ing. Joseph Sowah Okpoti and our immediate past Executive Director Ing. George K A Essandoh. The following colleagues were also deceased during the period under review. Ing. Charles Osei Fosu and Ing. Michael Ackon. May the Almighty God grant our departed colleagues peaceful eternal rest.



A Partner in Ghana's Future

From the Gulf of Mexico to the Gulf of Guinea, Kosmos is creating the premier deepwater exploration and production company active in the Atlantic Margin. Distinguished by increasing production, a pipeline of development opportunities and a balanced exploration portfolio, Kosmos has a passion to explore and a drive to produce.

Kosmos Energy and the people of Ghana share a bright future of economic progress and development.



SECTION D

FINANCE (AUDITED ACCOUNTS & BUDGET)





GHANA INSTITUTION OF ENGINEERS

FINANCIAL STATEMENTS
31 DECEMBER, 2019

GHANA INSTITUTION OF ENGINEERS**FINANCIAL STATEMENTS****31 December, 2019**

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GHANA INSTITUTION OF ENGINEERS**Corporate information for the year ended 31 December, 2019****Council Members**

Ing. Alexander Leslie Ayeh
 Ing. Steve A Amoaning-Yankson
 Ing. Harold Esseku
 Ing. Rev. Prof. Charles A. Adams
 Ing. Kwabena Bempong
 Ing. Dr. Patrick A. Bekoe
 Ing. Kweku Asmah
 Ing. Dr. Mrs. Enyonam Kpekpena
 Mr. Philip Kwame Aheto
 Ing. Dr. Emmanuel K. Nyantakyi
 Ing. Hector A. Boye
 Ing. Isaac Bedu
 Ing. Jacob Brown Yawson
 Ing. Dr Eric Ofosu-Antwi
 Ing. Antoinette .A. Agboado
 Ing. Prof. Ibrahim Yakubu Seini
 Ing. Kingsford .D. Laryea
 Ing. Joseph K. Oddei
 Ing. Michael L. K. Dedey
 Ing. Kingsford D. Laryea
 Ing. Michael Kweku Nelson
 Ing. David K. Nyante
 Ing. Mavis Allotey
 Ing. Ebenezer Haizel
 Ing. William D. Albert Viala
 Ing. Prof. Mark Adom-Asamoah
 Ing. Kwabena Agyei Agyepong

President
 Immediate Past President
 Vice President
 President-Elect
 National Councillor, Chairman, membership Committee
 National Councillor, Chairman, Education & Training Committee
 National Councillor, Chairman, ICT Committee
 WinE President
 Executive Rep., Technicians
 Chairman, Ashanti Region
 Chairman, Greater Accra Region
 Chairman, Eastern Region
 Chairman, Western, Western North and Central Region
 Chairman, Bono, Bone East and Ahafo Regions
 Chairman, Volta Branch
 Chairman, Northern, North East, Savannah, Upper East & Upper West Region
 Chairman, Mechanical Tech. Div.
 Chairman, Civil Tech. Div.
 Chairman, Mechanical Technical Division
 Chairman, Electrical/Electronic Tech. Div.
 Chairman, Chemical/Minning Tech. Div.
 Chairman, Resaerch & Awards Committee
 Chairperson, Programmess & Conference Committee
 Executive Rep., Professional Engineers
 Representative, Engineering Service Providers
 Representative Engineering Educational Units
 Executive Director

Registered office

13 Continental Road
 P.O. Box 7042
 Accra-North.

Location address

13 Continental Road
 Roman Ridge
 Accra.

Corporate information for the year ended 31 December, 2019 (Cont'd)**Independent Auditors**

UHYVoscon Chartered Accountants
2nd Floor, Cocoshe House,
Opposite Silver Star Tower
Agostinho Neto Close
Airport Residential Area.
Accra-Ghana
P.O.Box LA 476 LA, Accra
Phone +233 30 2683 430/4
E:info@uhyvoscon-gh.com
W:www.uhyvoscon-gh.com
GA: 057-1475

Bankers

Standard Chartered Bank Ghana Limited
Fidelity Bank Ghana Limited
Bank of Africa Ghana Limited
Ecobank Ghana Limited
Universal Merchant Bank Ghana Limited

TIN

V0004992172

Ghana Institution of Engineers**Three year financial summary**

	2019	2018	2017
Total income	3,225,297	4,334,909	3,127,203
General and administrative expenses	3,365,131	4,238,556	3,131,128
Net operational and other income	(139,834)	96,353	(3,925)
Total assets	4,988,772	4,713,633	4,280,626
Total accumulated fund	4,115,600	4,281,865	4,104,894
Total net assets	4,115,600	4,281,865	4,104,894

Financial highlights

	2019	2018	Percentage (%)
Total income	3,225,297	4,334,909	(25.60)
General and administrative expenses	3,365,131	4,238,558	(20.62)
Net operational and other income	(139,834)	96,353	(245.13)
Total assets	4,988,772	4,713,632	5.84
Total accumulated fund	4,115,600	4,281,865	(3.88)
Total net assets	4,115,600	4,281,865	(3.88)

Ghana Institution of Engineers

Statement of Council's Responsibilities

Council's responsibilities in respect of the financial statements

The Council is required to ensure that adequate accounting records are maintained so as to disclose at reasonable adequacy, the financial position of the Institution. They are also responsible for steps to safeguard the assets of the Institution and to prevent and detect fraud and other irregularities. They must present financial statements for each financial year, which give a true and fair view of the affairs of the Institution, and the results for that period. In preparing these financial statements, they are required to:

- select suitable accounting policies and apply them on a consistent basis using reasonable and prudent judgment.
- state whether or not the Companies Act, 1963 (Act 179) (repealed) and subsequently by the Companies Act, 2019 (Act 992) and International Financial Reporting Standards for Small and Medium-sized Entities (IFRS for SMEs) have been adhered to and explain material departures thereto.
- use the going concern basis unless it is inappropriate.

The Council acknowledges its responsibility for ensuring the preparation of the annual financial statements in accordance with IFRS and the responsibility of external auditors to report on these financial statements. The Council is responsible for ensuring the maintenance of adequate accounting records and an effective system of internal controls and risk management.

Nothing has come to the Council's attention, to indicate any material breakdown in the functioning of the internal controls and systems during the period under review, which could have a material impact on the business.

The financial statements are prepared from the accounting records on the basis of consistent use of appropriate records supported by reasonable and prudent judgments and estimates that fairly present the state of affairs of the Institution. The financial statements have been prepared on a going concern basis and there is no reason to believe that the Institution will not continue as a going concern in the next financial year. The Council confirms that in preparing the financial statements, they have:

- selected suitable accounting policies and applied them consistently.
- made judgments and estimates that are reasonable and prudent
- followed the International Financial Reporting Standards (IFRS)
- prepared the financial statements on the going concern basis

The Council is responsible for keeping proper accounting records which disclose with reasonable accuracy at any time the financial position of the Institution and to enable them ensure that the financial statements comply with the Companies Act, 1963 (Act 179) (repealed) and subsequently by the Companies Act, 2019 (Act 992). They are also responsible for safe guarding the assets of the Institution and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

By the order of the Council:

Name of Council Member.....

Signature.....

Date.....

Name of Council Member.....

Signature.....

Date.....

**Councils' Report
to the Members
of Ghana Institution of Engineers**

Council Report for the Year Ended December 2019

In accordance with the requirements of section 132 of the Companies Act, 2019 (Act 922), we the Council of The Ghana Institution of Engineers submit our report together with the Audited Financial Statements of the Institution for the year ended 31 December 2019.

Statement of Responsibilities of the Council

The Council is responsible for the preparation of Financial Statements for each financial year which gives a true and fair view of the state of affairs of the Institution and of the surplus or deficit and cash flows for that period. In preparing those financial statements, the Council has selected suitable accounting policies and then applied them consistently, made judgments and estimates that are reasonable and prudent and follow International Financial Reporting Standards.

The Council is responsible for ensuring that the Institution keeps proper accounting records that disclose with reasonable accuracy at any time its financial position. The Council is also responsible for safeguarding the assets of the Institution and taking reasonable steps for the prevention and detection of fraud and other irregularities.

Nature of Business

The Institution is a not-for-profit professional body established by law in accordance with the Professional Bodies Registration Decree NRCD143 of 1973 and the Engineering Council Act 2011, (Act 819). The Institution seeks to advance and facilitate the acquisition and Development of Science, Engineering and Technology at all levels of society and to ensure its performance by instilling in its membership, professionalism and ethical practice.

In accordance with the requirements of section 132 of the Companies Act 2019, we the Council of Ghana Institution of Engineers submit our report together with the Audited Financial Statements of the Company for the year ended 31 December 2019.

Financial Results

The financial results of the company are set out below:

	2019 Ghs	2018 Ghs
Net surplus/(deficit) for the year	(139,834)	96,351
From which is added the balance on Accumulated Fund as 1 January	<u>526,863</u>	<u>430,510</u>
Leaving a balance to be carried forward on Accumulated Fund of	<u>387,029</u>	<u>526,863</u>

Independent Auditors

Messrs.' UHY Voscon Chartered Accountants were selected to provide auditing services for the Institution for the 2019 financial year in accordance with Section 134 (5) of the Companies Act 2019 (Act 179).

P. O. Box LA 476, La, Accra
2nd Floor, Cocoshe House
Opposite Silver Star Tower
Agostinho Neto Close
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**Independent auditor's report
to the members
of Ghana Institution of Engineers**

Opinion

In our opinion, the accompanying financial statements give a true and fair view of the financial position of the Institution as at 31 December, 2019, and of its financial performance and the cash flows for the year then ended in accordance with the International Financial Reporting Standards for Small and Medium-sized Entities (IFRS for SMEs) issued by the International Accounting Standards Board (IASB), the Engineering Council Act, 2011 (Act 819) and the manner required by the Companies Act, 1963 (Act 179) (repealed) and subsequently by the Companies Act, 2019 (Act 992).

What we have audited

We have audited the accompanying financial statements of Ghana Institution of Engineers for the year ended 31 December, 2019.

The financial statements comprise:

- statement of comprehensive income for the year then ended;
- statement of financial position as at 31 December, 2019;
- statement of accumulated fund for the year ended;
- statement of cash flows for the year then ended; and
- the notes to the financial statements, which include a summary of significant accounting policies.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (ISAs). Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Independence

We are independent of the Institution within the meaning International Ethics Standards Board for Accountants' (IESBA) Code of Ethics for Professional Accountants. We have fulfilled our other ethical responsibilities with the IESBA Code.

Emphasis of matter- Effects of enactment of the Companies Act, 2019 (Act 992)

We draw your attention to Note 23 of the financial statements, which describe the effects of the enactment of the Companies Act, 2019 (Act 992) which came into force on 5 August, 2019. Our opinion is not modified in respect of this matter.

**Independent auditor's report
to the members
of Ghana Institution of Engineers (Cont'd)**

Other information

The Council is responsible for the other information. The other information comprises the report of the council and Chairman's report and any other information not subject to audit, which are expected to be made available to us after that date but does not include the financial statements and our auditor's report thereon, which we obtained prior to the date of this auditor's report.

Our opinion on the financial statements does not cover the other information and we have nothing to report in this regard.

In connection with our audit of the financial statements, our responsibility is to read the other information published with the financial statements to identify areas of material inconsistency between the unaudited information and the audited financial statements and obvious misstatements of fact to other information.

Inconsistency is when other information contradicts information contained in the audited financial statements. A material inconsistency may raise doubt about the audit conclusions drawn from audit evidence previously obtained and, possibly, about the basis for the auditor's opinion on the financial statements.

Misstatement of fact is when other information that is unrelated to matters appearing in the audited financial statements is incorrectly stated or presented. A material misstatement of fact may undermine the credibility of the document containing audited financial statements.

If, based on the work we have performed on the other information that we obtained prior to the date of this auditor's report, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report on this regard.

When we read the other information and we conclude that there is a material misstatement therein, we are required to communicate the matter to those charged with governance.

Responsibilities of Council for the financial statements

The Council is responsible for the preparation and fair presentation of these financial statements that give a true and fair view in accordance with International Financial Reporting Standards and in the manner required by the Companies Act, 2019 (Act 992) and for such internal controls as the Council determines is necessary to enable the preparation of financial statements that are free from material misstatements, whether due to fraud or error.

Going concern

In preparing the financial statements, the Council is responsible for assessing the Institution's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the council either intends to liquidate the Institution or to cease operations, or have no realistic alternative but to do so.

The Council is responsible for overseeing the Institution's financial reporting process.

**Independent auditor's report
to the members
of Ghana Institution of Engineers (Cont'd)**

Auditor's responsibilities for the audit of the financial statements

The objectives of our audit are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatements, whether fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Report on the audited financial statements

As part of an audit in accordance with ISAs, we exercise professional judgment and maintain professional scepticism throughout the planning and performance of the audit. We also:

- identify and assess the risks of material misstatements of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatements resulting from the fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal controls;
- obtain an understanding of internal controls relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal controls;
- evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management;
- evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation;
- conclude on the appropriateness of the Council's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusion are based on the audit evidence obtained up to the date of auditor's report. However, future events or conditions may cause the Institution to cease to continue as a going concern.

obtain sufficient appropriate audit evidence regarding the financial information of the entities and business activities within the Institution to express an opinion on the financial statements. We are responsible for the direction, supervision and performance of the Institution audit. We remain solely responsible for our audit opinion.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit. We are also required to provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.



of Ghana Institution of Engineers (Cont'd)

Report on other legal and regulatory requirements

Compliance with the requirements of Section 137 of the Companies Act, 2019 (Act 992)

The Companies Act, 2019 (Act 992) requires that in carrying out our audit work we consider and report on the following matters. We confirm that:

1. we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit;
2. in our opinion proper books of account have been kept by the Institution, so far as appears from our examination of those books; and proper returns adequate for the purpose of the audit have been received from branches not visited by us;
3. the statement of financial position and statement of comprehensive income of the Institution are in agreement with the accounting records and returns;
4. in our opinion, the information and according to the explanations given to us, the accounts give the information required by the Act, 2019 (Act 992) in the manner required and give a true and fair view;
5. we are independent of the Institution under audit pursuant to Section 143 of the Companies Act, 2019 (Act 992).

The engagement partner on the audit resulting in this independent auditor's report is **Emmanuel K. D. Abbey** (ICAG/P/1167).

Signed by: *UHY Voscon*

For and on behalf of:
 UHY Voscon (ICAG/F/2020/086)
 Chartered Accountants
 P.O.Box LA 476, La, Accra
 2nd Floor, Cocoshe House
 Opposite Silver Star Tower
 Agostinho Neto Close,
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 G.A-057-1475
 E: info@uhyvoscon-gh.com
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Date: *20th May 2020*

GHANA INSTITUTION OF ENGINEERS
FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER, 2019
(All amounts are expressed in Ghana cedis unless otherwise stated)

Statement of financial position as at 31 December, 2019

	Note	2019	2018
Assets			
Non-current assets			
Property, plant and equipment	7a	<u>3,721,064</u>	<u>3,762,012</u>
Total non-current assets		<u>3,721,064</u>	<u>3,762,012</u>
Current assets			
Inventories	8	4,583	13,873
Trade and other receivables	9	416,538	203,054
Held to maturity Investment	10	632,310	590,976
Cash and cash equivalents	11.1	<u>214,277</u>	<u>143,717</u>
Total current assets		<u>1,267,708</u>	<u>951,620</u>
Total assets		<u>4,988,772</u>	<u>4,713,632</u>
Reserves and Liabilities			
Funds and reserves attributable to members			
Accumulated fund	13 to 16	387,029	526,863
Building fund		197,254	178,804
Welfare fund		249,266	275,110
Engineering Excellence Award		(45,208)	(29,291)
Busac fund		(2,912)	208
Capital surplus		<u>3,330,171</u>	<u>3,330,171</u>
Total funds and reserves		<u>4,115,600</u>	<u>4,281,865</u>
Current liabilities			
Current tax	19	-	-
Trade and other payables	12	755,516	373,208
Bank Overdraft	11.2	<u>117,656</u>	<u>58,560</u>
Total current liabilities		<u>873,172</u>	<u>431,768</u>
Total reserves and liabilities		<u>4,988,772</u>	<u>4,713,633</u>

By the order of the Council:

Name of Council Member

Ing. Leslie Alex Ayeh

Name of Council Member

Ing. Harold Esekku

Signature

[Signature]

Signature

[Signature]

Date

20 - 05 - 20

Date

20 - 05 - 20

Notes 1 to 22 form an integral part of these financial statements

GHANA INSTITUTION OF ENGINEERS
FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER, 2019
(All amounts are stated in Ghana cedi unless otherwise stated)

Statement of comprehensive income	for the year ended 31 December		
	Note	2019	2018
Income	5	<u>3,195,606</u>	<u>4,225,213</u>
Total income		3,195,606	4,225,213
General and administrative expenses			
General & Administrative Expenses	6	1,816,226	2,988,963
AGMC & Other Meetings		1,152,322	709,919
WFEO/FAEO/WAFEO Annual Subscription		87,932	124,336
Seminar Expenses		110,626	99,310
Membership Expenses		149,610	198,149
Depreciation	7a	<u>48,415</u>	<u>117,881</u>
Total expenses		<u>3,365,131</u>	<u>4,238,556</u>
Surplus/(Deficit) before taxation		(169,525)	(13,343)
Interest income	5.1	29,691	109,696
Interest expense		<u>-</u>	<u>-</u>
Net finance income		<u>29,691</u>	<u>109,696</u>
Surplus/(Deficit) before taxation		(139,834)	96,351
Taxation	19	<u>-</u>	<u>-</u>
Net surplus/deficit for the year		(139,834)	96,351
Other comprehensive income		<u>-</u>	<u>-</u>
Total comprehensive income for the year		<u>(139,834)</u>	<u>96,351</u>

Notes 1 to 22 form an integral part of these financial statements.

GHANA INSTITUTION OF ENGINEERS
FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER, 2019
(All amounts are stated in Ghana cedi unless otherwise stated)

Statement of changes in Members' fund

	Note	Accumulated fund	Building fund	Welfare fund	Engineering Excellence Award	BUSAC fund	Fund for innovation and research	Capital surplus	Total
For the year ended 31 December, 2019									
Balance as at 1 January, 2019		507,689	126,174	50,237	61,032	-	3,348	3,330,171	4,078,651
Prior year adjustment		19,174	52,630	224,873	(90,323)	208	(3,348)	-	203,214
Re-stated opening balance		526,863	178,804	275,110	(29,291)	208	-	3,330,171	4,281,865
Surplus/(Deficit) for the year		(139,834)	-	-	-	-	-	-	(139,834)
Additions to other funds	13 to 16	-	18,450	12,686	-	-	-	-	31,136
Payments from other funds	13 to 16	-	-	(38,530)	(15,917)	(3,120)	-	-	(57,567)
Balance as at 31 December, 2019		<u>387,029</u>	<u>197,254</u>	<u>249,266</u>	<u>(45,208)</u>	<u>(2,912)</u>	<u>-</u>	<u>3,330,171</u>	<u>4,115,600</u>

GHANA INSTITUTION OF ENGINEERS
FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER, 2019
(All amounts are stated in Ghana cedi unless otherwise stated)

Statement of changes in Members' fund

	Note	Accumulated fund	Building fund	Welfare fund	Engineering Excellence Award	BUSAC fund	Capital surplus	Total
For the year ended 31 December, 2018								
Balance as at 1 January, 2018		430,510	150,724	134,029	44,360	15,100	3,330,171	4,104,894
Surplus for the year		96,353	-	-	-	-	-	96,353
Additions to other funds		-	28,080	215,101	10,000	48,042	-	301,223
Payments from other funds		-	-	(74,020)	(83,651)	(62,934)	-	(220,605)
Balance as at 31 December, 2018		<u>526,863</u>	<u>178,804</u>	<u>275,110</u>	<u>(29,291)</u>	<u>208</u>	<u>3,330,171</u>	<u>4,281,865</u>

Notes 1 to 22 form an integral part of these financial statements

GHANA INSTITUTION OF ENGINEERS
FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER, 2019
(All amounts are stated in Ghana cedi unless otherwise stated)

Statement of cash flow		for the year ended 31 December	
	Note	2019	2018
Cash (used in) /generated from operations	17	<u>86,695</u>	<u>323,619</u>
Tax paid		<u>-</u>	<u>-</u>
Net cash flow from operating activities		<u>86,695</u>	<u>323,619</u>
Cash flow from investing activities			
Purchase of property, plant and equipment		(7,466)	(332,727)
Increase in investment securities		(41,334)	(108,946)
Net cash flow from investing activities		<u>(48,800)</u>	<u>(441,673)</u>
Cash flow from financing activities:			
Building Institution		18,450	28,080
Engineers Excellence Awards		(15,917)	(76,999)
Welfare institution		(25,844)	141,081
BUSAC		(3,120)	(14,892)
Net cash flow from financing activities		<u>(26,431)</u>	<u>77,270</u>
Net increase/ (decrease) in cash and cash equivalents		11,464	(40,784)
Cash and cash equivalents at 1 January		<u>85,157</u>	<u>122,594</u>
Cash and cash equivalents at 31 December		<u>96,621</u>	<u>81,809</u>
Analysis of cash and cash equivalents represented by			
Cash at Bank		214,277	143,717
Bank Overdraft		(117,656)	(58,560)
		<u>96,621</u>	<u>85,157</u>

Notes 1 to 22 form an integral part of these financial statements.

GHANA INSTITUTION OF ENGINEERS**Financial Statements for the year ended 31 December, 2019****Notes to the financial statements****1. Reporting entity**

The Ghana Institution of Engineers was incorporated in Ghana as a professional body on 10 May, 1974 in accordance with the provisions of the Professional Bodies Registration Decree, 1973 (NRCD143). The institution is domiciled in Ghana with its registered office and principal place of business at 13 Continental Road, Roman Ridge. The nature of business the Institution is authorized to carry on are:

- Registration and Regulation of engineering practice in Ghana;
- Maintaining Professional Standards in the practice of engineering;
- Promoting the Welfare of Members and Registered Entities;
- Providing Civic Service; and
- Promoting and Recognizing Excellence in the science and practice of engineering

2. Basis of preparation and summary of significant accounting policies

The principal accounting policies applied in the preparation of these financial statements are set out below:

2.1 Statement of compliance and presentation of the financial statement

The financial statements of Ghana Institution of Engineers have been prepared in accordance with International Financial Reporting Standards for Small and Medium-sized Entities (IFRS for SMEs), as issued by the International Accounting Standards Board (IASB), Engineering Council Act, 2011 (Act 819) and Companies Act, 2019 (Act 992).

2.2 Basis of measurement and accounting

These financial statements have been prepared on a going concern basis and in compliance with the International Financial Reporting Standard for Small and Medium-sized Entities (IFRS for SMEs) issued by the International Accounting Standards Board interpretations issued by the IFRS Interpretations Committee (IFRS IC) applicable to companies reporting under IFRS for SMEs and with the requirements of the Companies Act, 1963 (Act 179).

The financial statements are presented in Ghana Cedis (GH¢). The measurement basis applied is the historical cost basis, except as modified by the revaluation of land and building, revaluation of financial assets and financial liabilities at fair value through profit or loss.

2.3 (a) Significant judgments and sources of estimation uncertainty

In preparing these financial statements in conformity with International Financial Reporting Standards for Small and Medium Enterprises (IFRS for SMEs), management makes judgments, estimates and assumptions that affect the application of policies and reported amounts of assets, liabilities, incomes and expenses. It also requires the use of accounting estimates and assumptions that may affect disclosures in the financial statements. The estimates and associated assumptions are based on historical experience and various factors that are believed to be reasonable under circumstances, the results of which form the basis of making the judgment about carrying values of assets and liabilities that are not readily apparent from other sources. The actual results could, by definition therefore, often differ from the related accounting estimates. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting policies and estimates are recognized retrospectively and prospectively respectively.

Certain accounting policies have been identified where management has applied a higher degree of judgment that have a significant effect on the amounts recognised in the financial statements or estimates and assumptions that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***2.3 Significant judgments and sources of estimation uncertainty (continued)****i) Estimates of assets economic useful life and residual values**

Property, plant and equipment is depreciated over its useful life taking into account residual values, where appropriate. The actual economic useful lives of the assets and residual values are assessed at each financial year-end and may vary depending on a number of factors. In re-assessing asset lives, factors such as technological innovation, pre-cure life cycles and maintenance programs are taken into account.

2.4 New and amended standards and interpretations adopted by the Institution during the year

At the date of authorisation of these financial statements the following new standards and amendments to existing standards that were in issue were adopted by the Institution:

SECTION 11 "Basic financial instruments"

Section 11 "Basic financial instruments" issued on 24 July, 2014 is the IASB's replacement of IAS 39, Basic financial Instruments: Recognition and Measurement. Section 11 includes requirements for recognition and measurement, impairment, derecognition and general hedge accounting.

Classification and measurement - Section 11 introduces new approach for the classification of financial assets, which is driven by cash flow characteristics and the business model in which an asset is held. This single, principle-based approach replaces existing rule-based requirements under IAS 39. The new model also results in a single impairment model being applied to all financial instruments.

Impairment - Section 11 has introduced a new, expected-loss impairment model that will require more timely recognition of expected credit losses. Specifically, the new Standard requires entities to account for expected credit losses from when financial instruments are first recognised and to recognise full lifetime expected losses on a timelier basis.

Hedge accounting - Section 12 introduces a substantially-reformed model for hedge accounting, with enhanced disclosures about risk management activity. The new model represents a significant overhaul of hedge accounting that aligns the accounting treatment with risk management activities. **Own credit** - Section 11 removes the volatility in profit or loss that was caused by changes in the credit risk of liabilities elected to be measured at fair value. This change in accounting means that gains caused by the deterioration of an entity's own credit risk on such liabilities are no longer recognised in profit or loss.

SECTION 20 "Leases"

The International Accounting Standard Board (IASB) issued Section 20 Leases in January 2016. Section 20 sets out the principles for the recognition, measurement presentation and disclosure of leases for both parties to a contract, i.e. the customer ('lessee') and the supplier ('lessor').

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***2.4 New and amended standards (continued)**

Section 20 is effective from 1 January, 2019. Section 20 complete the IASB's project to improve the financial reporting of lease; Section 20 replaces the previous lease standard, IAS 17 leases, and related interpretation.

SECTION 3 "Presentation of Financial Statements" - Disclosure Initiative.

Amendments to section 3 "Presentation of Financial Statements" - Disclosure Initiative issued by IASB on 18 December 2014. The amendments to section 3 are designed to further encourage Companies to apply professional judgment in determining what information to disclose in their financial statements. For example, the amendments make clear that materiality applies to the whole of financial statements and that the inclusion of immaterial information can inhibit the usefulness of financial disclosures. Furthermore, the amendments clarify that Companies should use professional judgment in determining where and in what order information is presented in the financial disclosures.

SECTION 17 "Property, Plant and Equipment" and SECTION 18 "Intangible Assets" -Clarification of Acceptable Methods of Depreciation and Amortisation issued by IASB on 12 May, 2014.

Amendments clarify that the use of revenue-based methods to calculate the depreciation of an asset is not appropriate because revenue generated by an activity that includes the use of an asset generally reflects factors other than the consumption of the economic benefits embodied in the asset. Amendments also clarify that revenue is generally presumed to be an inappropriate basis for measuring the consumption of the economic benefits embodied in an intangible asset. This presumption, however, can be rebutted in certain limited circumstances.

The Institution has elected not to adopt these new standards and amendments to existing standards in advance of their effective dates. The Institution anticipates that the adoption of these standards and amendments to existing standards will have no material impact on the financial statements of the Institution in the period of initial application.

2.5 Foreign currency translation**2.5.1 Functional and presentation currency**

Items included in the financial statements are measured using the currency of the primary economic environment in which the Entity operates ('the functional currency' which is Ghana Cedis). Except where otherwise indicated, the financial statements are presented in this currency.

2.5.2 Transactions and balances

Transactions denominated in foreign currencies are recorded in the functional currency using the exchange rates prevailing at the date of the transactions. Monetary assets and liabilities denominated in foreign currencies are translated at the functional currency rate of exchange ruling at the reporting date. Foreign exchange gains and losses resulting from the settlement of foreign currency transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognised in the statement of profit or loss and other comprehensive income.

GHANA INSTITUTION OF ENGINEERS

Financial statements for the year ended 31 December, 2019

Notes to the financial statements (continued)

*(All amounts are expressed in Ghana Cedis unless otherwise stated)***2.6 Basic financial instruments**

The Institution accounts for the following financial instruments as basic financial instrument in accordance with section 11:

- (a) Cash
- (b) a debt instrument (such as account, note or loan receivable or payable) that meets the conditions
- (c) a commitment to receive a loan that:
 - i) cannot be settled net in cash; and
 - ii) when the commitment is executed, is expected to meet the conditions

The Institution's basic financial instrument are classified into two thus;

- Financial Assets
- Financial Liabilities

Financial Assets

Trade and other receivables are initially recognized at the transaction price. Most of the sales of the Institution are made on the basis of normal credit terms, and the receivable do not bear interest. At the end of each reporting date, the carrying amounts of trade and other receivables are reviewed to determine whether there is any objective evidence that the amounts are not recoverable. If so, an impairment loss is recognized immediately in the profit or loss. This also include cash purchase of ordinary shares of another entity's ordinary shares and long term loans made to another entity.

Financial Liabilities

Trade payables are obligation on the basis of normal credit terms and do not bear interest. Trade payables denominated in foreign currency are translated into cash unit using the exchange rate at the reporting date. Foreign exchange gains or loss are included in other income or expenses. This also includes loans received from bank. A payable is recognized initially at the present value of cash payable to the bank including interest payments and repayment of principal.

2.7 Derecognition of financial assets and financial liabilities**a. Financial assets**

A financial asset (or, where applicable a part of a financial asset or part of a group of similar financial assets) is derecognized where:

- the rights to receive cash flows from the asset have expired; or the Institution has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a pass-through arrangement; and either
- the Institution has transferred substantially all the risks and rewards of the asset, or
- the Institution has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset. When the Institution has transferred its right to receive cash flows from an asset or has entered into a pass through arrangement and has neither transferred nor retained substantially all the risks and rewards of the asset, nor transferred control of the asset, the asset is recognized to the extent of the Institution's continuing involvement in the asset. Continuing involvement that takes the form of a guarantee over the transferred asset is measured at the lower of the original carrying amount of the asset and the maximum amount of consideration that the Institution could be required to repay.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***b. Financial liabilities**

A financial liability is derecognized when the obligation under the liability is discharged or cancelled or expires. Where an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as a de recognition of the original liability and the recognition of a new liability, and the difference in the respective carrying amounts is recognized in profit or loss.

2.8 Impairment of financial assets

The Institution assesses at each statement of financial position date whether there is objective evidence that a financial asset or a group of financial assets is impaired. A financial asset or a group of financial assets is impaired and impairment losses are incurred only if there is objective evidence of impairment as a result of one or more events that occurred after initial recognition of the asset (a 'loss event') and that loss event (or events) has an impact on the estimated future cash flows of the financial asset or group of financial assets that can be reliably estimated. Impairment loss is recognised in the profit or loss account.

2.9 Cash and cash equivalents

Cash and cash equivalents are recorded in the statement of financial position at cost. For the purpose of the cash flow statement, cash and cash equivalents comprise cash on hand and demand deposits and other short-term highly liquid investments that are readily convertible to a known amount of cash and are subject to an insignificant risk of changes in value. These are initially and subsequently recorded at fair value.

2.10 Income tax

In accordance with section 98 (3) of the income Tax Act, 2015 (Act 896) as amended, the Institution is an exempt organisation and therefore not liable to corporate income tax for the year under review. No current or deferred income tax is therefore payable by the Institution on income generated in the ordinary course of business.

2.11 Employee benefits**(a) Short term benefit**

Short-term employee benefits are amounts payable to employees that fall due wholly within twelve months after the end of the period in which the employee renders the related service. The cost of short-term employee benefits are recognised as an expense in the period when the economic benefit is given, as an employment cost. Unpaid short-term employee benefits as at the end of the accounting period are recognised as an accrued expense and any short-term benefit paid in advance are recognised as prepayment to the extent that it will lead to a future cash refund or a reduction in future cash payment. Wages and salaries payable to employees are recognised as an expense in the profit or loss account at gross amount. The Institution's contribution to Social Security Fund is also charged as an expense.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***(b) Social Security and National Insurance Trust (SSNIT)**

In accordance with the Act establishing the Social Security and National Insurance Trust, the Institution contributes monthly amount equivalent to 13% (defined contribution scheme) of its employee's salaries and wages to the Social Security Fund to cover future pension payments to its employees, no other pension scheme is maintained by the Institution. All employer contributions are charged to the profit or loss account as incurred under staff costs. The employees contribute 5.5% to the fund.

(c) Provident Fund

The Institution has a provident fund scheme for staff under which the Institution contributes 7% of staff basic salary.

(d) End of service benefit Scheme

The Institution does not make provision for long term service awards or end of service benefits. These are treated on a cash basis as and when they arise.

2.12 Lease

Leases are classified as finance leases whenever the terms of the lease transfer substantially all the risks and rewards of ownership of the leased asset to the Institution. All other leases are classified as operating leases.

Rights to assets held under finance leases are recognised as assets of the Institution at the fair value of the leased property (or, if lower, the present value of minimum lease payments) at the inception of the lease. The corresponding liability to the lessor is included in the statement of financial position as a finance lease obligation. Lease payments are apportioned between finance charges and reduction of the lease obligation so as to achieve a constant rate of interest on the remaining balance of the liability. Finance charges are deducted in measuring profit or loss. Assets held under finance leases are included in property, plant and equipment, and depreciated and assessed for impairment losses in the same way as owned assets.

Rentals payable under operating leases are charged to profit or loss on a straight-line basis over the term of the relevant lease.

2.13 Inventories

Inventories are valued at the lower of cost and net realisable value. Costs is calculated using the First-in-First-out (FIFO) method.

2.14 Impairments of assets and other financial assets

The Institution assesses at each end of the reporting period whether there is any indication that an asset may be impaired. If any such indication exists, that an asset may be impaired, the recoverable amount is estimated for the individual asset. If it is possible to estimate the recoverable amount of the individual asset, the recoverable amount of the Cash-Generating Unit (CGU) to which the asset belongs is determined. The recoverable amount of a cash generating unit is the higher of its fair value less costs to sell and its value in use.

If the recoverable amount of an asset is less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount. This reduction is an impairment loss.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)*

An impairment loss of assets carried at cost less than any accumulated depreciation or amortization is recognised immediately in profit or loss. Any impairment loss of a revalued asset is treated as a downward revaluation.

A reversal of an impairment loss of assets carried at cost less accumulated depreciation or amortization other than goodwill is recognised immediately in profit or loss. Any reversal of an impairment loss of a revalued asset is treated as an upward revaluation.

2.15 Borrowing cost

Borrowing cost are interest and other cost that the Institution incurs in connection with borrowing of funds. Borrowing cost include:

- (a) interest expense calculated using the effective interest method as described in section 11 Basic Financial Instrument;
- (b) finance charges in respect of fiancé leases recognized in accordance with section 20 leases; and
- (c) exchange difference arising from foreign currency borrowing to the extent that they are regarded as an adjustment to interest cost.

Borrowing cost are recognized in profit or loss in the period in which they are incurred.

2.16 Related parties

Related parties are individuals and companies, where the individual and the Institution have the ability directly or indirectly, to control the other party or exercise significant influence on the other party in making financial and operating decisions. Related party transactions and balances are disclosed in the notes to the financial statements.

3.12 Property, plant and equipment**Recognition and measurement**

Items of property, plant and equipment are measured at cost less accumulated depreciation and impairment losses.

Cost includes expenditures that are directly attributable to the acquisition of the asset. The cost of self-constructed assets includes the cost of materials and direct labour, and any other costs directly attributable to bringing the asset to a working condition for its intended use. Purchased software that is integral to the functionality of the related equipment is capitalized as part of that equipment.

Subsequent costs

The cost of replacing part of an item of property, plant or equipment is recognized in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Institution and its cost can be measured reliably. The costs of the day-to-day servicing of property, plant and equipment are recognised in the statement of comprehensive income as incurred.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***Depreciation**

Depreciation is recognised in the statement of comprehensive income on a straight-line basis over the estimated useful lives of each part of an item of property, plant and equipment.

The estimated useful lives for the current and comparative periods are as follows:

Equipment, Furniture & Fittings	10%
Motor Vehicle	25%
Library	20%
Plant & Machinery	20%

Depreciation methods, useful lives and residual values are reassessed at each reporting date. Gains and losses on disposal of property, plant and equipment are included in the statement of comprehensive income.

3.13 Cash and cash equivalents

Cash and cash equivalents comprise cash on hand, bank balances and short-term instruments with maturities of three months or less, and these are carried at amortised cost in the statement of financial position.

3.14 Revenue recognition

The Institution's main income is derived from various subscription income, AGM and conferences income, Arbitration services income, sponsorship income, examination income and other professional services income. The Institution has processes in place to ensure that the recognition of those income streams is in the correct period. In addition there are processes in place to ensure that annual dues and exam fee income received in advance of providing the services is deferred into the relevant period, and that subscription income for the year is accrued as appropriate. An adjustment to income is made each year which reflects the anticipated value of the write-off of debt which has been invoiced in services being provided, but where a doubt exists as to collectability.

3.15 Rendering of services

Revenue from rendering of services is recognized when:

- The amount of revenue can be measured reliably;
- It is probable that the economic benefits associated with the transaction will flow to the Institution;
- The costs incurred or to be incurred in respect of arbitration can be measured reliably.

Consideration received from rendering of services is allocated to advisory services income in the period it occurred.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***4.0 Financial risk management****Overview**

The Institution has exposure to the following risks from its use of financial instruments:

- liquidity risk
- market risk
- operational risk
- Interest risk
- Foreign exchange exposure

This note presents information about the Institution's exposure to each of the above risks, the Institution's objectives, policies and processes for measuring and managing risk, and the Institution's management of capital. Further quantitative disclosures are included throughout these financial statements.

Credit risk

Credit risk is the risk of financial loss to the Institution if a customer or counterparty to a financial instrument fails to meet its contractual obligations, and arises principally from the Institution's receivables from customers. The Institution had no exposure as at the year end.

Liquidity risk

Liquidity risk is the risk that the Institution will not be able to meet its financial obligations as they fall due. The Institution's approach to managing liquidity is to ensure, as far as possible, that it will always have sufficient liquidity to meet its liabilities when due, under both normal and stressed conditions, without incurring unacceptable losses or risking damage to the Institution's reputation. The Institution's activities are being funded by its Members and overdraft from the banks.

Market risk

Market risk is the risk that changes in market prices, such as foreign exchange rates, interest rates and equity prices will affect the Institution's income or the value of its holdings of financial instruments. The objective of market risk management is to manage and control market risk exposures within acceptable parameters, while optimising the return.

Operational risk

Operational risk is the risk of direct or indirect loss arising from a wide variety of causes associated with Institution processes, personnel, technology and infrastructure, and from external factors other than credit, market and liquidity risks such as those arising from legal and regulatory requirements and generally accepted standards of corporate behavior. Operational risks arise from all of the Institution's operations.

The Institution's objective is to manage operational risk so as to balance the avoidance of financial losses and damage to the Institution's reputation with overall cost effectiveness and to avoid control procedures that restrict initiative and creativity.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)*****(All amounts are expressed in Ghana Cedis unless otherwise stated)***

The primary responsibility for the development and implementation of controls to address operational risk is assigned to senior management. This responsibility is supported by the development of overall entity standards for the management of operational risk in the following areas:

- requirements for appropriate segregation of duties, including the independent authorization of transactions
- requirements for the reconciliation and monitoring of transactions
- compliance with regulatory and other legal requirements
- documentation of controls and procedures
- controls and procedures to address the risks identified
- training and professional development
- risk mitigation, including insurance where this is effective.

Interest rate risk

The Institution is subject to interest rate risk as it has interest bearing liabilities.

Own credit – Section 11 removes the volatility in profit or loss that was caused by changes in the credit risk of liabilities elected to be measured at fair value. This change in accounting means that gains caused by the deterioration of an entity's own credit risk on such liabilities are no longer recognized in profit or loss.

Foreign exchange exposure

The Institution's foreign exchange exposure comprises foreign currency translation exposures. The Institution manages its foreign currency transactions very well to ensure that there are very minimal foreign currency risk exposures.

5. Income	2019	2018
Annual Dues	1,316,691	1,633,875
Seminar Income	202,312	239,300
AGMC & Banquet	361,399	416,616
Professional stamp income	70,780	41,580
Presidential address income	31,700	59,820
Rental income	81,436	77,694
Application & Entrance Fees	163,053	216,043
Publication income	2,040	1,284
Reg. of Consulting Firms	47,808	45,116
Sale of inventory	17,740	34,064
Generator levy	8,522	8,467
Advisory income	243,668	1,072,954
Sponsorship income	518,695	300,000
Other income	<u>129,762</u>	<u>78,400</u>
	<u>3,195,606</u>	<u>4,225,213</u>

GHANA INSTITUTION OF ENGINEERS

Financial statements for the year ended 31 December, 2019

Notes to the financial statements (continued)

(All amounts are expressed in Ghana Cedis unless otherwise stated)

5.1 Interest income	2019	2018
Interest received	<u>29,691</u>	<u>109,696</u>
6. General and Administrative Expenses	2019	2018
Staff salary (6a)	788,940	651,132
Stationery	13,057	34,135
Repairs and maintenance	100,388	95,286
Communication	30,339	58,750
Office Expenses	41,266	27,470
Travelling and Transport	331,435	689,744
Bank Charges	7,157	10,676
Audit Fee	17,719	14,000
Insurance	6,489	50,094
Presidential Address	7,120	66,800
Printing and Publication	61,405	123,985
Motor Running Expense	10,093	35,819
Security	46,382	47,648
Bad debts	-	39,154
Cleaning And Sanitation	27,457	18,831
Electricity and water	72,628	76,420
Professional Stamp Expenses	31,813	29,879
Regional Branch Expenses	35,300	127,050
Advisory Services	120,000	740,234
Professional Expense	37,439	44,504
Staff Courses & Training	-	3,921
Donation	1,000	3,400
Rent	<u>28,800</u>	<u>-</u>
	<u>1,816,226</u>	<u>2,988,932</u>
6a. Staff salary	2019	2018
Salaries and other related cost	<u>788,940</u>	<u>651,132</u>

GHANA INSTITUTION OF ENGINEERS

Financial statements for the year ended 31 December, 2019

Notes to the financial statements (continued)

*(All amounts are expressed in Ghana Cedis unless otherwise stated)***7a. Property, plant and equipment**

For year ended 31 December, 2019	Building	Plant & Machinery	Equipment & Furniture	Motor Vehicle	Library Books	Total
Cost						
At 1 January	3,584,499	26,300	443,134	325,078	2,430	4,381,441
Additions during the year	-	-	7,466	-	-	7,466
At 31 December	<u>3,584,499</u>	<u>26,300</u>	<u>450,600</u>	<u>325,078</u>	<u>2,430</u>	<u>4,388,907</u>
Depreciation						
At 1 January	-	25,420	268,975	322,603	2,430	619,428
Charge for the year	-	880	45,060	2,475	-	48,415
At 31 December	-	<u>26,300</u>	<u>314,035</u>	<u>325,078</u>	<u>2,430</u>	<u>667,843</u>
Carrying amount						
At 31 December, 2019	<u>3,584,499</u>	<u>-</u>	<u>136,565</u>	<u>-</u>	<u>-</u>	<u>3,721,064</u>
At 31 December, 2018	<u>3,584,499</u>	<u>880</u>	<u>174,159</u>	<u>2,475</u>	<u>-</u>	<u>3,762,012</u>

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***7b. Property, plant and equipment**

For year ended 31 December, 2018	Building	Plant & Machinery	Equipment & Furniture	Motor Vehicle	Library Books	Total
Cost						
At 1 January	3,377,800	26,300	354,416	287,768	2,430	4,048,714
Additions during the year	206,699	-	88,718	37,310	-	332,727
At 31 December	<u>3,584,499</u>	<u>26,300</u>	<u>443,134</u>	<u>325,078</u>	<u>2,430</u>	<u>4,381,441</u>
Depreciation						
At 1 January	-	25,090	231,139	242,888	2,430	501,547
Charge for the year	-	330	37,836	79,715	-	117,881
At 31 December	-	<u>25,420</u>	<u>268,975</u>	<u>322,603</u>	<u>2,430</u>	<u>619,428</u>
Carrying amount						
At 31 December, 2018	<u>3,584,499</u>	<u>880</u>	<u>174,159</u>	<u>2,475</u>	-	<u>3,762,012</u>
At 31 December, 2017	<u>3,377,800</u>	<u>1,210</u>	<u>123,277</u>	<u>44,880</u>	-	<u>3,547,167</u>

8. Inventories

	2019	2018
Lapel pins	-	7,152
Car stickers	2,057	1,683
Polo T - Shirt	-	180
Code of ethics	2,526	740
Engineers Council Act 2011 (Act 819)	-	4,118
	<u>4,583</u>	<u>13,873</u>

9. Trade and other receivables

	2019	2018
Trade receivables	399,955	197,638
Prepayment	2,295	3,447
Staff Debtors	14,289	1,969
	<u>416,539</u>	<u>203,054</u>

10. Held to maturity

	2019	2018
Investment	<u>632,310</u>	<u>590,976</u>

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***11. Cash and cash equivalents****11.1 Cash and Bank balance**

	2019	2018
Cash at bank		
Cash on hand	198,102	142,412
	<u>16,175</u>	<u>1,305</u>
	<u>214,277</u>	<u>143,717</u>

11.2 Cash and cash equivalents for the purposes of cash flow include:

	2019	2018
Cash and Bank balance	214,277	143,717
Bank overdraft	<u>(117,656)</u>	<u>(58,560)</u>
	<u>96,621</u>	<u>85,157</u>

12. Trade and other payables

	2019	2018
Trade Payables	284,818	171,157
Audit fees	17,719	14,000
Accruals	<u>452,979</u>	<u>188,051</u>
	<u>755,516</u>	<u>373,208</u>

13. Building Fund

	2019	2018
Balance as at 1 January, 2019	178,804	150,724
Contributions for the year	<u>18,450</u>	<u>28,080</u>
	197,254	178,804
Payments during the year	<u>-</u>	<u>-</u>
Balance as at 31 December, 2019	<u>197,254</u>	<u>178,804</u>

GHANA INSTITUTION OF ENGINEERS
Financial statements for the year ended 31 December, 2019
Notes to the financial statements (continued)

(All amounts are expressed in Ghana Cedis unless otherwise stated)

	2019	2018
14. Welfare Fund		
Balance as at 1 January, 2019	275,110	134,029
Contributions for the year	<u>12,686</u>	<u>215,101</u>
	287,796	349,130
Payments during the year:		
Donations	-	(29,025)
GhIE Welfare Institution Expenses	<u>(38,530)</u>	<u>(44,995)</u>
Total Payments	<u>(38,530)</u>	<u>74,020</u>
Balance at 31 December, 2019	<u>249,266</u>	<u>275,110</u>
15. Engineering Excellence Awards		
Balance as at 1 January, 2019	(29,291)	44,360
Receipts	-	10,000
Expenses	<u>(15,917)</u>	<u>(83,651)</u>
Balance 31 December, 2019	<u>(45,208)</u>	<u>(29,291)</u>
16. BUSAC Institution		
Balance as at 1 January, 2019	208	15,100
Receipts	-	48,042
Expenses	<u>(3,120)</u>	<u>(62,934)</u>
Balance as at 31 December, 2019	<u>(2,912)</u>	<u>208</u>
17. Cash flow from in operations		
Surplus/(Deficit)	(139,834)	96,353
Adjust for:		
Depreciation	<u>48,415</u>	<u>117,881</u>
Changes in working capital:		
(Increase)/Decrease in Inventory	9,290	(6,560)
(Increase)/Decrease in trade and other receivables	(213,486)	(81,531)
Increase/(Decrease) in trade and other payables	<u>382,308</u>	<u>197,476</u>
Cash (used in)/generated from operations	<u>86,695</u>	<u>323,619</u>

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)***(All amounts are expressed in Ghana Cedis unless otherwise stated)***18 Related party**

i) The Institution's Council Members are the directors of Ghana Institution of Engineers which means any transaction between these Member's and balances at close of year are related party transaction and balances. There was no related party transaction as at the year ended.

ii) Key Management Personnel

Key Management personnel are defined as those persons having authority and responsibility for planning, directing and controlling the activities of Ghana Institution of Engineers (directly or indirectly) and comprise Executive Director and other Senior Management.

For the year under review, key management personnel include:

i. Members of Council – refer to list on page 1.

19. Taxation

In accordance with section 98 (3) of the income Tax Act, 2015 (Act 896) as amended, the Institution is an exempt institution and therefore not liable to corporate income tax for the year under review. No current or deferred income tax is therefore payable by the Institution on income generated in the ordinary course of business as described in the objects of the Association in the Council's Report on page 6.

20. Prior year adjustment

The prior year adjustments were due to adjustment to reconciliation of accruals and accumulated depreciation on furniture, fittings and equipment.

21. Contingent liabilities and capital commitments**a. Contingent liabilities**

Other than the liability to pay future pensions and allowances, there were no contingent liabilities of the Institution as at 31 December, 2019. (2018: GH¢ nil)

b. Capital commitment

There were no commitments as at 31 December, 2019 (2018: GH¢ nil).

22. Events after the end of the reporting year

Events subsequent to the statement of financial position date are reflected only to the extent that they are material. There were no such events as at the date the financial statements were signed.

GHANA INSTITUTION OF ENGINEERS**Financial statements for the year ended 31 December, 2019****Notes to the financial statements (continued)*****(All amounts are expressed in Ghana Cedis unless otherwise stated)*****23. Changes in Laws and Regulations (Enactment of Companies Act, 2019 (Act 992))**

On 5 August 2019 the new Companies Act, 2019 (Act 992) came into full force with the repeal of the Companies Act, 1963 (Act 179). The Institution, Management and the Board complied with the requirements of the earlier law until its repeal on 5 August 2019. Subsequently, the Institution has kept its books, records and documentation in a manner consistent with the requirements of the Companies Act, 2019 (Act 992).

E 2020 BUDGET (DETAILS OF INCOME)

1.0 INCOME			Budget 2019 GHC	Actual 2019 GHC	Budget 2020 GHC
1.1		Investments Interest			28,000.00
	1.1.1	Current Annual Dues	1,160,821.00	826,717.00	2,109,938.00
	1.1.2	Dues in Arrears	240,000.00	75,580.00	960,000.00
	1.1.3	Dues in Advance	6,760.00	11,414.00	5,760.00
	1.1.4	Students Dues	9,200.00	9,200.00	12,500.00
	1.1.5	International Relations	108,500.00		63,532.00
	1.1.6	Building Levy	31,902.00	17,990.00	35,000.00
	1.1.7	Welfare	211,180.00	124,063.00	258,264.72
1.2		Seminar Income	680,000.00	183,112.00	714,750.00
	1.2.1	Conference/Events (Sponsorship)	690,000.00	225,000.00	600,000.00
1.3		AGM Conference and Banquet			
	1.3.1	Banquet Tickets (singles)			15,000.00
	1.3.2	Banquet Tickets (Couples)			27,000.00
	1.3.3	Annual Conference	127,000.00	470,107.00	175,000.00
1.4		Professional Stamp	90,000.00	70,680.00	50,000.00
1.5		Presidential Address	70,000.00	26,700.00	45,000.00

1.6			Facility Hiring	132,000.00	25,560.00	112,000.00
1.7			PROFESSIONAL EXAMS FEES			255,000.00
1.0 INCOME				Budget 2019 GHC	Actual 2019 GHC	Budget 2020 GHC
1.8			FIRMS REGISTRATION	59,850.00	47,496.00	77,000.00
1.9			Sales of Inventory	13,125.00	20,266.00	34,000.00
1.10			Energy Fund	9,300.00	6,372.00	6,000.00
1.11			Arbitration Income	400,000.00	364,660.00	45,150.00
1.12			Induction	75,685.00	78,000.00	82,000.00
			Expected Income	5,651,101.00	2,967,053.00	5,682,895.00

NOTES ON BUDGETED INCOME 2020

1.0 INCOME

1.1 Annual Dues

1.1.1 Current Annual Dues: Estimate of Current Dues

1.1.2 Dues in Arrears: The arrears reflect the amount owing from members for previous year

1.1.3 Dues in Advance: It is estimated this amount will be received in advance

1.1.4 Students Dues: Based on students population of 800 @ghc250each. Assumed 100% will pay

1.1.5 International Relations: Estimated allowance for yearly international subscription and other related expenses

1.1.6 Building Levy: Building levy is paid by new members. The amount is based on 700 newmembers paying GH¢50 each.

1.1.7 Welfare It is the 10% of Current dues and a one-time welfare payment.

1.2 Seminar Income: An estimate of 20 seminars for average of 20 participants @ GH¢910 each. Conference income expected from conference

1.3 AGM Conference & Banquet: This is based on projected sponsorship from various organisations.

1.4.1 Annual Banquet Tickets(singles): Assumed 100 singles will buy ticket for Banquet at ghc80 each

1.4.1b Annual Banquet Tickets(Couple): Assumed 200 couples will buy ticket for banquet at ghc 100 per couple

1.4.2 Annual Conference: Figure is based on attendance of 350 members at ghc500 each

1.4.3 Induction: Estimated 400 inductees at ghc195 each

1.4 Professional Stamp: Assume 500 members will acquire new stamps at a rate of Gh¢200 each.

1.5 Presidential Address: Sponsorsorship of Presidential address will be solicited as and when required

1.6 Facility Hiring Estimated Figure is based on hiring of facilities at various prices.

1.7 AET FEE& DUES INCOME

1.7.1 Profesional examination fees: Assume 300candidates at ghc200 for pre-exams and 500 candidates @ ghc350 for prof. exams

1.8 Firms registration: Based on 130 firms at various fees payment

- 1.9 Sales of Inventory: Sales of car sticker, Lapel Pins, Engineers Act 819
- 1.10 Energy Fund: Estimate is based on admission of 700 new members
- 1.12 Arbitration Services: 40% of arbitration services charged will be retained by the institution.
- 1.13 Inductees Income Income expected from inductees

2.0	BUDGETED EXPENDITURE 2020	Budget 2019	Actual 2019	Budget 2020
		GHC	GHC	GHC
2.1	Staff Renumeration	1,191,701.00	726,027.00	926,820.21
2.1.1	Staff Mutual Health Insurance	52,621.00	38,780.00	52,620.12
2.2	Telephone	18,800.00	4,982.00	12,000.00
2.3	Stationery	10,000.00	12,614.00	11,000.00
2.4	Repairs & Maintenance	45,301.00	32,962.00	44,200.00
2.5	Office Expenses	12,156.00	24,967.00	12,777.00
2.6	Postage/ Courier	2,000.00	4,555.00	5,000.00
2.7	International Travel	553,600.00	433,227.00	552,000.00
2.8	Bank Charges			3,000.00
2.9	Audit Fees	14,000.00	14,000.00	15,000.00
2.10	Insurance	7,500.00	4,772.00	7,500.00
2.11	Presidential Address, Technical visits and Initiatives	65,000.00	1,090.00	24,200.00
2.13	Motor Running	60,800.00	35,151.00	59,050.00
2.14	Security Services	51,600.00	42,344.00	51,600.00
2.15	Cleaning & Sanitation	13,600.00	25,185.00	24,160.00
2.16	Electricity	60,000.00	66,095.00	90,000.00
2.17	Water	6,000.00	4,489.00	7,200.00
2.18	Professional Stamp	85,000.00	15,195.00	42,500.00
2.19	Branches	77,600.00	181,332.00	474,827.50
2.21	Public Relations	18,000.00	19,800.00	19,200.00
2.22	Travelling & Transport (Secretariat etc)	1,500.00	11,116.00	2,000.00
2.23	Staff Training	10,000.00		10,000.00

2.0	BUDGETED EXPENDITURE 2020	Budget 2019	Actual 2019	Budget 2020
2.24	Donations (Social Responsibilities)	20,000.00		20,000.00
2.25	Library/ICT	55,500.00	48,730.00	177,177.37
2.26	AGM/Coference/Annual Banquet	700,000.00	1,027,393.00	800,000.00
2.27	WINE Forum	116,400.00	16,000.00	30,000.00
2.28	International Relations	108,440.00	50,300.00	79,532.00
2.29	Meeting Expenses - (Council/Sub-Committees/Special V	183,430.00	43,858.00	218,878.00
2.29	Printing & Photocopies			15,000.00
2.30	Generating Plant	31,200.00	4,000.00	31,200.00
2.31	Seminars	320,000.00	110,626.00	398,950.00
2.32	Honorarium/Donation/Prize	30,000.00	6,500.00	30,000.00
2.33	Membership (ID Cards, Eng. Prof. Exams)	219,213.00	149,610.00	307,800.00
2.34	Programmes of Technical Divisions			120,000.00
2.36	Engineering Council Act 2011 (Act 819)	9,600.00		16,000.00
2.37	Engineering Council of Ghana	59,850.00		77,000.00
2.38	Engineering Council of Ghana(<i>Initial Registration</i>)	13,527.00		113,250.00
2.39	Engineering Excellence Awards	103,000.00	11,900.00	51,650.00
2.40	History & Heritage	60,000.00		10,000.00
2.41	General Infrastructural Report Card (GIRC)	30,000.00		30,000.00
2.42	Change of Name and re-registration of GHIE	12,000.00		6,000.00
2.43	Arbitration Expenses			-
2.44	Capital Expenditure	20,000.00	8,500.00	89,223.00
2.45	Inductees expenses	300,000.00		67,000.00
2.46	Outstanding from 2019			292,083.00
	Total Expenditure	5,651,101.00	3,322,726.28	5,682,895.00

NOTES ON BUDGETED EXPENDITURE 2020

- 2.1 The figure includes estimated total cost of all GhIE staff to the Institution.
- 2.1.1 An estimated total cost of health Insurance for GhIE staff for a year
- 2.2 Telephone cost for routine calls
- 2.3 Estimated cost of office stationery
- 2.4 Estimated expenditure on maintenance of plant and equipment of the secretariat
- 2.5 Office expenses cater for purchase of newspapers, printing of call cards, Christmas cards and other miscellaneous expenses.
- 2.6 Expenses on postage and courier services are, annual dues bills, election, ballot papers and other official letters.
- 2.7 Estimated expenditure on International Travel of various international conferences
- 2.8 Assumed bank charges for 2020
- 2.9 The budget for Audit fees is based on the previous year's figures and allows for a 7% increment.
- 2.10 The budget for Insurance caters for Building, Equipment & Installations, Fire, Burglary and renewal of fire certificate for the Engineers Centre for the year.
- 2.11 The figures for presidential Address are based on printing of brochures, publicity and refreshment.
- 2.13 Anticipated expenditure to be incurred on Motor running activities
- 2.13.1 Estimated expenditure on routine Tata Aria
- 2.13.2 Estimated expenditure on repairs and lubricants on Hyundai Bus
- 2.13.3 Estimated expenditure on repairs and lubricants on motor bike
- 2.13.4 Estimated repairs and lubricants on Mower
- 2.13.5 Estimated expenditure on fuel and lubricants
- 2.14 This is the monthly Security expenditure of ghc 4465 multiply by 12 months
- 2.15 An estimate of Cleaning and sanitation expenditure for the year
- 2.16 Electricity expenses cater for all electricity power to be consumed in the year 2020, An average of Ghc7500 per month.
- 2.17 Water expenditure is based on average amount of Ghc600 per month, multiply by 12 months
- 2.18 An estimated expenditure to be incurred on 500 professional Stamps.

- 2.19 The budget caters for support for 10 Regional Branches Programs.
Is based on 10% of 2020 current dues
- 2.20 Public Relation Retainer fees Ghc 1500 per month x 12
- 2.21 Travelling and Transport is the budgeted item for expenditure by secretariat staff, typical local travels, distribution of letters and banking transactions.
The amount is based on the previous year's figures. It allows for 10% increment.
- 2.22 Estimated cost of training of staff for the year 2020
- 2.23 Donations estimated for 2020
- 2.24 The amount budgeted for Growthzone software, 2 Ict booth is for registrations, the maintenance of software, payment of broadband, digitalizing of membership data, web hosting and website redesign and development of regional ICT for 2 branches
- 2.25 AGM/ Conference/Annual Banquet
- 2.26 Expenditure equal to funds allocated to WINE activities
- 2.27 Estimated cost of expenditure on International subscriptions, T&T for International delegates etc.
- 2.28 Total estimated cost of meetings for the year
- 2.29
 - 2.29.1 Leasing of printers for three months period
 - 2.29.2 Cost of operating new printer
 - 2.29.3 Operating cost of new printers
- 2.30 Maintenance and servicing on genset
- 2.31.1 Expenditure to be incurred on average Participants of 20 for 20 seminars
- 2.31.2 It comprises all evening programs to be held at engineers centre
- 2.32 Donations to other organisations
- 2.33 Assumed expenditure of membership, ID cards, Eng. Prof. Exams
- 2.34 Expenditure estimated for the various divisions
 - 2.34.1 Estimated Expenditure on Civil technical Division
 - 2.34.2 Estimated Expenditure on Chemical Mining Division
 - 2.34.3 Estimated Expenditure on Electrical Division Technical Division
 - 2.34.4 Estimated Expenditure on MAM Technical Division
 - 2.34.5 Estimated Expenditure on Professional Practice & Ethic committee
- 2.35 Total Welfare amount to be transferred to Welfare Fund

- 2.36 The figure represents the cost of 1000 copies of Engineering Council Act 2011 (Act 819)
- 2.37 Engineering Council Registration provision
- 2.38 Engineering Council Initial Registration anticipated
- 2.39 Estimated expenditure for Engineering Excellence Awards
- 2.40 An estimate of History & Heritage initiation
- 2.41 Repeation of last year's budget for GIRC
- 2.42 An estimated expenditure for Change of Ghana Institution of Engineers' name to Ghana Institution of Engineering Etc.
- 2.43 Assume no expenditure on arbitration
- 2.44 Facility improvement cost. Cost estimated for improving the facilities at GhIE secretariat
- 2.45 Expenditure on inductees for 2020
- 2.46 Debt from 2019

APPENDIX - A

COUNCIL & COMMITTEE MEMBERS 2019/2020 COUNCIL YEAR

S#	Name	Position
1.	Ing. Leslie A. Ayeh - Chair	President
2.	Ing. Steve A. Amoaning-Yankson	Immediate Past President
3.	Ing. Harold Esseku	Vice President
4.	Ing. Rev. Prof. Charles A. Adams	President-elect
5.	Ing. Ebenezer K. Haizel	Executive Rep, Professional Engineers
6.	Mr. Philip Kwame Aheto	Executive Rep, Technicians
7.	Ing. Dr. Emmanuel K. Nyantakyi	Chairman, Branch 1 (Ashanti Region)
8.	Ing. Dr. Eric Oforu-Antwi	Chairman, Branch 2 (Bono, Bono East & Ahafo Regions)
9.	Ing. Isaac Bedu	Chairman, Branch 3 (Eastern Region)
10.	Ing. Hector A. Boye	Chairman, Branch 4 (Greater-Accra Region)
11.	Ing. Prof. Ibrahim Yakubu Seini	Chairman, Branch 5 (Northern, North East, Savannah, Upper East & Upper West Regions)
12.	Ing. Antoinette A. Agboado	Chairperson, Branch 6 (Volta Region)
13.	Ing. Jacob Brown Yawson	Chairman, Branch 7 (Western, Western North & Central Regions)
14.	Ing. Joseph K. Oddei	Chairman, Civil Technical Division
15.	Ing. Michael L. K. Dedey	Chairman, Mechanical Technical Division
16.	Ing. Kingsford D. Laryea	Chairman, Electrical/Electronic Technical Division
17.	Ing. Michael Kweku Nelson	Chairman, Chemical/Mining Technical Division
18.	Ing. David K. Nyante	Chairman, Research & Awards Committee
19.	Ing. Kweku Asmah	National Councillor, Chairman, ICT Committee
20.	Ing. Mavis Allotey	Chairperson, Conference & Programmes Committee
21.	Ing. Dr. Patrick A. Bekoe	National Councillor, Chairman, Education & Training Committee
22.	Ing. Kwabena Bempong	National Councillor, Chairman, Membership Committee
23.	Ing. William D. Albert Viala	Representative, Engineering Service Providers
24.	Ing. Prof. Mark Adom-Asamoah	Representative, Engineering Educational Units
25.	Ing. Dr. Mrs. Enyonam Kpekpena	WinE President
26.	Ing. Kwabena Agyei Agyepong	Executive Director

EXECUTIVE COMMITTEE

S#	Name	Position
1.	Ing. Leslie A. Ayeh - Chair	President
2.	Ing. Steve A. Amoaning-Yankson	Immediate Past President
3.	Ing. Rev. Prof. Charles Adams	President-Elect
4.	Ing. Harold Esseku, FGhIE	Vice President
5.	Ing. Ebenzer K. Haizel, FGhIE	Executive Rep.
6.	Mr Philip K. Aheto, MGhIE	Executive Rep.
7.	Ing. Kwabena Agyei Agyepong	Executive Director

FINANCE COMMITTEE

S#	Name	S#	Name
1.	Ing. Harold Esseku - Chair	8.	Ing. Mavis Allotey
2.	Ing. Steve Amoaning-Yankson	9.	Ing. Kweku Asmah
3.	Ing. Rev. Dr Charles A. Adams	10.	Ing. M. K. L. Dedey
4.	Ing. David K. Nyante	11.	Ing. Joseph Oddei
5.	Ing. Ebenezer K. Haizel	12.	Ing. K. D. Laryea
6.	Ing. Kwabena Bempong	13.	Ing. Michael K. Nelson
7.	Ing. Dr Patrick Amoah Bekoe	14.	Ing. Kwabena Agyei Agyepong

ICT COMMITTEE

S#	Name	S#	Name
1.	Ing. Kweku Asmah - Chair	12.	Mr. Elias Kpadas Ismael
2.	Ing. Eugene Osae M. Asamoah	13.	Ing. Samuel K. A Yeboah
3.	Benjamin Osei Kumi	14.	Mr. Bismark Adu
4.	Ing. Michael Adotey Codjoe	15.	Ing. Fiifi Asante-Antwi
5.	Ing. Daniel Adjei Asante	16.	Ing. Getor John
6.	Mr. David Bronyah	17.	Ing. Kwame Gyesi Sagoe
7.	Mr. Raymond Mawuli Ametefe	18.	Ing. Abdul-Shakud Iddrisu
8.	Ing. Elorm Bansah	19.	Ing. David M. Sackey
9.	Ing. Ernest Awunyo- King	20.	Ing. Isaac Teye Ayiku
10.	Ing. Edward Kwaku Dzakpasu	21.	Mr. Mohammed Issah
11.	Ing. Dr. Emmanuel Kwesi Nyantakyi	22.	Mr. Richard Owusu Acheampong

MEMBERSHIP COMMITTEE

S#	Name	S#	Name
1.	Ing. Kwabena Bempong - Chair	23.	Ing. Mavis Allotey
2.	Ing. Ebenezer K. Haizel	24.	Ing. Samuel Boamah Danquah
3.	Ing. Dr. Patrick Bekoe	25.	Ing. Bedu-Preko Anim
4.	Ing. N. T. Hammond	26.	Ing. Bernard Kofi Ellis
5.	Ing. Kweku Asmah	27.	Ing. Fiifi Asante-Antwi
6.	Ing. Michael K. Nelson	28.	Ing. David M. Sackey
7.	Ing. Michael K. L. Dedey	29.	Ing. Hector Boye
8.	Ing. Joseph K Oddei	30.	Ing. Bright D. K Nuhoho
9.	Ing. Kingsford D. Laryea	31.	Ing. Abdul Karim Mumuni
10.	Ing. Michael A. Abbey	32.	Ing. Gordon Apenyo Hlorlewu
11.	Ing. (Mrs) Benedicta O. Acherekoh	33.	Ing. Robert Ben-Smith
12.	Ing. Edward M. Melomey	34.	Ing. Vincent Kwame Osei-Appiah
13.	Ing. Collins Owusu-Ansah	35.	Ing. Adamu Ben- Mahmoud
14.	Ing. Willie Yeboah Amadi	36.	Ing. Francis Oblitey Amui
15.	Ing. N. T. Hammond	37.	Ing. Seth O. Y. Ahene
16.	Ing. John F. Pinkrah	38.	Ing. Osei Louis Kwasi
17.	Ing. James P. Buckle	39.	Ing. Laud Odartey Mills
18.	Ing. Juliet Adu	40.	Ing. Anthony Asamoah Boadu
19.	Ing. John Solomon Ankrah	41.	Ing. Richard Lamptey
20.	Ing. Harold Esseku	42.	Ing. Sampson Asare
21.	Ing. Abdul-Shakud Iddrisu	43.	Harriet Mawunyo Atuwu
22.	Ing. Joshua Allotey		

WELFARE COMMITTEE

S#	Name	S#	Name
1.	Ing. Ebenezer Haizel - Chair	8.	Ing. Nusinyo Abba
2.	Ing. Bright D. K Nuhoho	9.	Ing. Gabriel Appiah
3.	Ing. Frank Siaw	10.	Ing. Gabriel Boateng Appiah
4.	Mr. Caleb Dogbatsey	11.	Ing. Morrison Eden Essah
5.	Ing. Matthew Seddor Akatey	12.	Ing. Nusinyo Kwamla Abba
6.	Ing. Usman Umar Farouk	13.	Mr. Franklin Boadu
7.	Ing. Rasheed Dauda		

RESEARCH & AWARDS COMMITTEE

S#	Name	S#	Name
1.	Ing. David K. Nyante - Chair	9.	Mr. Francis K. Dogbey
2.	Ing. Dr. Frederick K. Amu-Mensah	10.	Ing. Dr. Abena Obiri- Yeboah
3.	Ing. Kisman A Eghan	11.	Ing. Kwadjo Baah
4.	Ing. George Ademan	12.	Mr. Philip Sarpong
5.	Ing. Israel Acheampong	13.	Mr. Richard Amponsah
6.	Ing. Francis Kemausuor	14.	Ing. Osei Louis Kwasi
7.	Ing. Yaw Owusu	15.	Ing. Dr. Richard Ohene Kwofie
8.	Ing. Dr. Issaka Yakubu	16.	Mr. Ben Bartels

PUBLICATIONS COMMITTEE

S#	Name	S#	Name
1.	Ing. Prof. Charles A. Adams - Chair	16.	Ing. Harry Atta- Motte
2.	Ing. Dr. Emmanuel Appiah-Kubi	17.	Ing. Shadrack Kwadwo Amponsah
3.	Ing. Dr. Eric Tutu Tchao	18.	Ing. Kwadwo Antwi Gyasi
4.	Ing. Williams Ackaah	19.	Ing. Emmanuel K. Appiah-Adjei
5.	Mr. Elikplim Afenyo	20.	Ing. Dr. Thomas Mensah
6.	Ing. Eric Afful Baiden	21.	Ing. Dr. Kwaku Amaning Adjei
7.	Ing. Gertrude Esi Eshun	22.	Ing. Alex Zack Kweku Tio
8.	Ing. Peter Masoshwe Dagadu	23.	Ing. Yaw O. Akomeah
9.	Samuel Sena-Mawuli Pesewu	24.	Ing. Dr. Celestina Allotey
10.	Ing. Stephen Eyram Tettevi	25.	Ing. Prof. Bernard Kumi Boateng
11.	Ing. Dr. Emmanuel Kwesi Nyantakyi	26.	Ing. Dr. Lawrence Darkwah
12.	Ing. Richard Lamptey	27.	Ing. Dr. Emmanuel Kwame Yamoah
13.	Ing. Kwaku Asare - Sefah	28.	Ing. Dr. Anthony Andrews
14.	Ing. Augustine Asiamah	29.	Ing. Emmanuel Appiah Kubi
15.	Ing. William Okine Addy	30.	Ing. Dr. Imoro I. Adam

PROFESSIONAL PRACTICE & ETHICS COMMITTEE

S#	Name	S#	Name
1.	Ing. Steve Amoaning-Yankson	7.	Ing. George Asiedu
2.	Emmanuel Bamfo Ansong	8.	Ing. Terry Cobbson
3.	Charles Kofi Som	9.	Ing. John Swatson
4.	Smart Okai	10.	Ing. Eric Abada
5.	Evans Mensah Hervie	11.	Ing. Emmanuel Haziel
6.	Mr. Eliplim Afenyo	12.	Ing. Johnson Kwao Hlordjie

EDUCATION AND TRAINING COMMITTEE

S#	Name	S#	Name
1.	Ing. Dr. Patrick A. Bekoe - Chair	22.	Mr. Issaka Yakubu
2.	Ing. Joshes Oddei	23.	Ing. Dr. Abena Obiri-Yeboah
3.	Ing. Michael Dedey	24.	Ing. Kwadjo Baah
4.	Ing. Michael Nelson	25.	Ing. Philip Sarpong
5.	Ing. K. D. Laryea	26.	Ing. Osei Louis Kwasi
6.	Ing. Emmanuel Appiah Kubi	27.	Ing. Raymond Mawuli Ametefe
7.	Ing. Harriet Mawunyo Atuwu	28.	Ing. Elorm Bansah
8.	Ing. Bernard Williams Amoah	29.	Ing. Edward Kwaku Dzakpasu
9.	Ing. Dr. Richard Amponsah	30.	Ing. Ernest Awunyo-King
10.	Ing. Ben Richard Aniagyei	31.	Ing. Dr. Emmanuel Kwesi Nyantakyi
11.	Ing. David Sampson	32.	Ing. Isaac Teye Ayiku
12.	Mr. Francis Kofi Dogbey	33.	Ing. Dr. Richard Ohene Kwofie
13.	Ing. David Adisu	34.	Ing. Elias Kpadas Ismael
14.	Ing. Samuel Kwabena Asare.	35.	Ing. Samuel K. A Yeboah
15.	Ing. Daniel Asare Akoto	36.	Ing. Johnson Kwao Hlordjie
16.	Ing. Dr. Baffour Asare	37.	Mr. Elipklm Afenyo
17.	Ing. Isaac Kumfo	38.	Ing. Eric Afful Baiden
18.	Ing. Francis Oblitey Amui	39.	Ing. Gertrude Esi Eshun
19.	Ing. Emmanuel Appiah Kubi	40.	Ing. Dr. Nii Darko Asante
20.	Ing. Harriet Mawunyo Atuwu	41.	Ing. Dr. Richard Amponsah Rev.
21.	Ing. Nana Darko Okai		

APPENDIX - B

LIST OF MEMBERS ON ENTITY TENDER COMMITTEES

No.	Nominee	Organisation
1.	Ing. Kasser A. Tee	Northern Regional Coordinating Council
2.	Ing. Nicholas T. Hammond	Office of Regional Co-ordinating Council, Greater Accra
3.	Ing. Dr. Joseph K.D. Annan	Ghana Standards Authority
4.	Ing. Ato Roberts	Volta River Authority
5.	Ing. Ato Wright	Ghana Civil Aviation Authority
6.	Ing. Wilfred E.O. Apatu	Ghana Ports and Harbours Authority
7.	Ing. Sylvia M. Arthur	Ministry of Local Government and Rural Development
8.	Ing. Peter F. Aganu	Ghana Highway Authority
9.	Ing. Matthew A. Adombire	Community Water and Sanitation Agency
10.	Ing. (Mrs) Gloria Apenkwah	Nursing and Midwifery Council of Ghana
11.	Ing. Ebenezer K. Haizel	Ministry of Petroleum
12.	Ing. Kingsford D. Laryea	Ghana Grid Company Limited
13.	Ing. Kwaku Boampong	Department of Urban Roads
14.	Ing. Matthew A. Seddoh	Controller and Accountant-General's Department
15.	Ing. (Mrs) Gloria Apenkwah	University of Ghana
16.	Ing. Kwame D. Donkor	NEDCo
17.	Ing. Daniel K. Bainson	National Health Insurance Authority
18.	Ing. Emmanuel Kofi Badza	Regional Co-ordinating Council, Upper East
19.	Ing. Michael K. Dedey	Ghana National Fire Service
20.	Ing. Collins Owusu-Ansah	Ghana Railway Development Authority
21.	Ing. Valence Wise Ametefe	Hydrological Services Department
22.	Ing. Harold Esseku	Social Security & National Insurance Trust
23.	Ing. Samuel M. Asiedu	Volta Lake Transport Co. Ltd.
24.	Ing. Joseph K. Oddei	Ministry of Roads & Highways
25.	Ing. George Ofori-Mensah	Registrar-General's Department
26.	Ing. Nana Duodu	Ministry of Trade and Industry
27.	Ing. Magnus L. Quarshie	Ministry of Finance
28.	Ing. Leslie A. Ayeh	National Identification Authority
29.	Ing. Leslie A. Ayeh	Ghana Museums and Monuments Board

LIST OF MEMBERS ON ENTITY TENDER COMMITTEES

No.	Nominee	Organisation
30.	Ing. W.E.O. Apatu	Ministry of Finance (Central Tender)
31.	Ing. Sylvia Arthur	Ghana Airports Co. Ltd.
32.	Ing. (Mrs) Mercy Akyaa Payne	National Road Safety Commission
33.	Ing. Ato Wright	Ministry of Transport
34.	Ing. Victoria Berkoh	National Vocational Training Institute
35.	Ing. Collins Donkoh	State Enterprise Commission
36.	Ing. Frederick K. Amu-Mensah	National Council for Tertiary Education
37.	Ing. Ludwig A. Hesse	The Social Investment Fund
38.	Ing. Isaac Bedu	Eastern Regional Coördinating Council
39.	Ing. (Mrs) Safuratu Andani	Head of Civil Service
40.	Ing. Stephen Owusu	Ghana Railway Company (Takoradi)
41.	Ing. Dr. Josiah Malcolm Nuerter	Ministry of Food and Agriculture
42.	Ing. Daniel K. Bainsan	Department of Feeder Roads
43.	Ing. Francis K. Brew	Ghana Road Fund Secretariat
44.	Ing. Divine D. Dugbartey	Ho Polytechnic
45.	Ing. John Fosu Pinkrah	Ministry of Education
46.	Ing. Michael Nelson	Ghana Investment Fund for Electronic Communications
47.	Ing. Hector E.A. Boye	Tema Development Corporation
48.	Ing. Kwabena Bemping	Public Procurement Authority
49.	Ing. Sylvia Asare	Central Regional Coördinating Council (Central Tender)
50.	Ing. Sylvia Asare	Central Regional Coördinating Council (ETC)
51.	Ing. Godfrey Ewool / Ing. Cephas Tetteh Oguah	Ministry of Defence & Ghana Armed Forces
52.	Ing. Dr. Joseph K.D. Annan	Narcotics Control Board
53.	Ing. Dr. A.I. Imoro	Ghana Prisons Service
54.	Ing. Albert W.D. Viala	Ghana Cocoa Board
55.	Ing. Akwasi Pianim Osei	Ghana Broadcasting Corporation

LIST OF MEMBERS ON ENTITY TENDER COMMITTEES

No.	Nominee	Organisation
56.	Ing. J.S. Okpoti	Ministry of Fisheries & Aquaculture Development
57.	Ing. Michael K. Dedey	Ministry of Railways Development
58.	Ing. Augustus Michael Addo	Ministry of Foreign Affairs & Regional Integration
59.	Ing. Andrews Kwablah	Ministry of Sanitation & Water Resources
60.	Ing. Michael Obeng Konadu	Ministry of Youth and Sports
61.	Ing. Kwasi A. Kwakwa	Ghana Revenue Authority
62.	Ing. Yeboah Asamoah-Twum	University of Professional Studies, Accra
63.	Ing. Albert L. Ashong-Lampitey	Ghana Meteorological Agency
64.	Ing. Kwasi A. Kwakwah	Ghana Post Company Ltd.
65.	Ing. Nana K. Ohene-Adu	National Board for Small Scale Industries
66.	Ing. Joseph K. Buckson	Council for Technical and Vocational Education and Training (COTVET)
67.	Ing. Samuel M. Asiedu	Metro Mass Transit Ltd
68.	Ing. (Mrs) Florence Cobbold	Water Resources Commission
69.	Ing. Dr. Joseph K.D. Annan	Ghana Cylinder MFG. Co. (GCMC) Ltd
70.	Ing. Dr. Felix N. Addo-Yobo	Environmental Protection Agency
71.	Ing. Gloria N.A. Kunutsor	Securities and Exchange Commission
72.	Ing. Dr. Eric Antwi Ofori	Regional Tender Review Committee
73.	Ing. Yaa Obenewaa Okudzeto	Cocoa Marketing Company (Gh) Ltd
74.	Ing. Michael Abbey	Quality Control Company Ltd
75.	Ing. Hector E.A. Boye	Coastal Development Authority
76.	Ing. John Fosu Pinkrah	Ministry of Education
77.	Ing. Kwaku Mensah Solomon	Ministry of Special Development Initiatives
78.	Ing. Edward Addotei Pappoe	Intercity STC Coaches Ltd.
79.	Ing. Hector E.A. Boye	Audit Service
80.	Ing. Kwaku Mensah Solomon	Office of the Head of Local Government Service
81.	Ing. Jonathan Tenkorang Obeng	Ministry of Interior
82.	Ing. Johnannes Twumasi-Mensah	Ghana Road Fund Secretariat
83.	Ing. Bukari M. Danladi	Northern Development Authority
84.	Ing. Joseph K. Oddei	Ghana National Petroleum Corporation

LIST OF MEMBERS ON ENTITY TENDER COMMITTEES

No.	Nominee	Organisation
85.	Ing. Joseph K. Oddei	Ghana Insurers Association
86.	Ing. Ebenezer Haizel	W.E.B. Du Bois Centre
87.	Ing. John K. Awotwi	Bono East Regional Co-ordinating Council
88.	Ing. Emmanuel Obeng Atuah	Ghana Irrigation Development Authority
89.	Ing. Dr. Yakubu Issaka	Western North Regional Co-ordinating Council
90.	Ing. Eric Opare	National Sports Council
91.	Ing. David Mensah Sackey	Accra Digital Centre
92.	Ing. Dela Kwesi Honu	Office of the Special Prosecutor
93.	Ing. Kwame Korankye-Adjei	Nuclear Regulatory Authority
94.	Ing. Prof. Ibrahim Yakubu Seini	Office of the Savannah Regional Co-ordinating Council
95.	Ing. Dr. Emmanuel K. Nyantakyi	Middle Belt Development Authority
96.	Ing. Richmond Evans-Appiah	Ministry of Works and Housing
97.	Ing. Noble Obeng-Ankamah	Office of the Ahafo Regional Coordinating Council

APPENDIX - C

MEMBERSHIP STATISTICS

2019/2020 Council Year EPE Participants

Location	Date	Civil	Mech	Chem/ Mining	Elect/ Electr	TOTAL
Kumasi, KNUST	May 11, 2019	20	18	6	46	90
Accra, Engineers Centre	June 29 /July 6, 2019	41	6	7	18	72
Tarkwa, UMAT	July 20, 2019	9	17	9	22	57
Tamale, UDS	August 10, 2019	2	8	-	7	17
Kumasi, KNUST	September 7, 2019	10	8	1	37	56
Accra, Engineers Centre	Oct 26/ Nov 2, 2019	29	9	4	24	66
Sunyani, UENR	November 9, 2019	16	4	3	18	41
Ho, ECG	November 16, 2019	9	12	-	14	35
Special Examination	March 5, 12, 13, 2020	8	18	4	3	33
	TOTAL	144	100	34	189	467

Induction

Location	Induction	Date	Civil	Mech	Chem/ Mining	Elect/ Eltronic	TOTAL
Engineer's Centre, Accra	23 rd	September 26, 2019	38	23	8	73	142
Engineer's Centre, Accra	24 th	December 12, 2019	51	40	12	80	183
Engineers Centre, Accra	25 th (postponed)	March 19, 2020	40	26	5	56	127
Accra Int. Conf. Cntr (Planned)	Special (postponed)	March 27, 2020	8	19	4	2	33
TOTAL for 2019/2020 Council Year							485

Membership Breakdown by Divisions

Division	February 2015	February 2016	February 2017	February 2018	February 2019	February 2020
Civil	1783	2173	2247	2384	2565	2899
Electrical/Electronics	1029	1310	1405	1730	2033	2284
Chemical/Mining	283	405	431	492	594	639
Mech/Agric/Marine	730	982	1075	1160	1310	1430
Total	3824	4870	5158	5766	6502	7252



Renewable Energy Leaders



EMERGING ENERGY COMPANY
OF THE YEAR - POWER

GHANA
ENERGY
AWARDS
2017



Location:
BPA Heights
11 Dodi Link Airport
Residential Area, Accra

Tel: +233 302 522 443-5
Email: info@buipower.com
Post: KD PMB 62 Kanda, Accra, Ghana.





Diversifying our Generation Portfolio for Sustainable Power Supply

The Volta River Authority has, since 1961, harnessed the resources of the Volta River to provide electrical energy for industrial, commercial and domestic use in Ghana, as well as transportation, fishery and recreation.

Starting with a generation capacity of 588MW, VRA now operates close to

2,474.5MW from its hydro, thermal and solar plants.

VRA continues to diversify its generation portfolio by exploring cleaner, cheaper and renewable sources of power generation such as wind and solar energy to sustain power supply.



**VOLTA
RIVER
AUTHORITY**

For further information, please contact
The Chief Executive

Volta River Authority
Electro-Volta House
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