



REPUBLIC OF KENYA
THE NATIONAL ASSEMBLY

*Approved
SNA
4/5/23*

THIRTEENTH PARLIAMENT - SECOND SESSION


THE DEPARTMENTAL COMMITTEE ON
HOUSING, URBAN PLANNING AND PUBLIC WORKS

PARLIAMENT
OF KENYA
LIBRARY

DELEGATION REPORT

ON

PARTICIPATION AT THE WORLD OF CONCRETE FORUM
IN NEVADA, USA UNITED STATES OF AMERICA - JANUARY 2023

 THE NATIONAL ASSEMBLY PAPERS LAID	
DATE: 04 MAY 2023	
DAY: Thursday	
TABLED BY:	Hon. Johana Ngeto (Chairperson, Committee on Housing, Urban Planning and public works)
CLERK-AT THE-TABLE:	Joyce Kemerele

DIRECTORATE OF DEPARTMENTAL COMMITTEES
CLERK'S CHAMBERS - NATIONAL ASSEMBLY
PARLIAMENT BUILDINGS
NAIROBI

MAY 2023

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Abbreviations

CIM	-	Concrete Industry Management
EPS foam	-	Expanded Polystyrene foam
HON	-	Honourable
HVAC	-	Heating, ventilation, and air conditioning
IBC	-	Intermediate bulk container
ICC	-	International Code Council
ICF	-	Insulating concrete forms
MP	-	Member of Parliament
R-value	-	Insulation correlation value
USA	-	United States of America

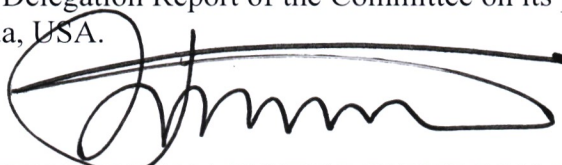
CHAIRPERSON'S FOREWORD

The participation at the World of Concrete by the Committee took place on the backdrop of the efforts by the government of the Republic of Kenya to build and offer affordable houses to her citizens. The forum showcased a variety of technologies and products in the construction industry, thereby offering an important platform for the players and stakeholders in the construction industry to learn and exchange ideas.

SpaceCrete, Tuf-N-Lite and Western Forms are among the companies that interacted with the Kenyan delegation. Further, with guidance of the US Commercial Service officials from Nairobi, specific visits were made to company offices of GigaCrete Inc and Substrata, in Las Vegas.

On behalf of the Departmental Committee on Housing, Urban Planning and Public Works, we wish to express our gratitude to the National Construction Authority and the US Commercial Service through the US Embassy in Nairobi for facilitating the visit to Nevada. We further register our sincere gratitude to the Clerk of the National Assembly and the Speaker of the August House for their unwavering support to the Committee. Their guidance and dedication in the advancement of Committee work has been extraordinary.

On behalf of the Departmental Committee on Housing, Urban Planning and Public Works, and pursuant to the provisions of Standing Order 199 (6), it is my pleasant privilege and honour to present to this House the Delegation Report of the Committee on its participation at the World of Concrete forum in Nevada, USA.



HON. JOHANA NG'ENO KIPYEGON, MP

Chairperson

Departmental Committee on Housing, Urban Planning and Public Works

1.0 PREFACE

1. Through a letter from the National Construction Authority dated 23rd November 2022, the National Assembly's Departmental Committee on Housing, Urban Planning and Public Works was invited to the World of Concrete forum, in Nevada, the United States of America. The National Construction Authority had, in partnership with the U.S. Embassy in Nairobi, organized for the participation of players in the construction industry to the forum, with an aim of drawing lessons and creating connections and synergies among different construction stakeholders.

1.1 Committee Mandate

2. The Departmental Committee on Housing, Urban Planning and Public Works is established under Standing Order 216(1) whose mandate, pursuant to the Standing Order 216 (5), is as follows:
 - a. *investigate, inquire into, and report on all matters relating to the mandate, management, activities, administration, operations and estimates of the assigned Ministries and departments;*
 - b. *study the programme and policy objectives of Ministries and departments and the effectiveness of the implementation;*
 - c. *study and review all legislation referred to it;*
 - d. *study, assess and analyze the relative success of the Ministries and departments as measured by the results obtained as compared with their stated objectives;*
 - e. *investigate and inquire into all matters relating to the assigned Ministries and departments as they may deem necessary, and as may be referred to them by the House;*
 - f. *to vet and report on all appointments where the Constitution or any law requires the National Assembly to approve, except those under Standing Order 204 (Committee on Appointments);*
 - f(a). *examine treaties, agreements and conventions;*
 - g. *make reports and recommendations to the House as often as possible, including recommendation of proposed legislation;*
 - h. *(deleted).*
 - i. *consider reports of Commissions and Independent Offices submitted to the House pursuant to the provisions of Article 254 of the Constitution; and*
 - j. *examine any questions raised by Members on a matter within its mandate.*
3. Further, the Second Schedule to the Standing Orders mandates the Committee to consider matters relating to the following subjects:
 - a) Housing;
 - b) Public Works;
 - c) Urban Planning;
 - d) Metropolitan Affairs;
 - e) Housing Development; and
 - f) Built Environment.

4. In executing this mandate, the Committee oversees two State Departments under the Ministry of Lands, Public Works, Housing and Urban Development., namely:
- a) The State Department of Housing and Urban Development; and
 - b) The State Department of Public Works.

1.2 Committee Membership

5. The Committee on Housing, Urban Planning and Public Works as constituted by the House comprises of the following members:

Chairperson

Hon. Johana Ng'eno Kipyegon, MP
Emurua Dikirr Constituency
UDA Party

Vice-Chairperson

Hon. Mugambi Murwithania Rindikiri, MP
Buuri Constituency
UDA Party

Members:

Hon. John Waluke Koyi, MP
Sirisia Constituency
Jubilee Party

Hon. Esther Muthoni Passaris, OGW, MP
Nairobi County Women Representative
ODM Party

Hon. Innocent Obiri Momanyi, MP
Bobasi Constituency
WDM-K Party

Hon. Joshua Kivinda Kimilu, MP
Kaiti Constituency
WDM-K Party

Hon. Samuel Kinuthia Gachobe, MP
Subukia Constituency
UDA Party

Hon. Abraham Kipsang Kirwa, MP
Mosop Constituency
UDA Party

Hon. Caleb Mutiso Mule, MP
Machakos Town Constituency
MCCP Party

Hon. (Dr.) Daniel Ogwoka Manduku, MP
Nyaribari Masaba Constituency
ODM Party

Hon. Irene Njoki Mrembo, MP
Bahati Constituency
Jubilee Party

Hon. Jane Wangechi Kagiri, MP
Laikipia County Women Representative.
UDA Party

Hon. John G. Mwaniki Mukunji, MP
Manyatta Constituency
UDA Party

Hon. Maurice Kakai Bisau, MP
Kiminini Constituency
DAP-K Party

Hon. Ronald Kamwiko Karauri, MP
Kasarani Constituency
Independent

1.3 Committee Secretariat

6. The Committee is facilitated by the following secretariat:

Mr. Ahmed Salim Abdalla
Clerk Assistant I / Head of Secretariat

Mr. Dickson Mogeni Gekara
Clerk Assistant III

Mr. Sisto Gichuhi Macharia
Clerk Assistant III

Ms. Emma Essendi
Senior Legal Counsel

Mr. James Muguna
Research Officer II

Mr. Abdinasir Moge
Fiscal Analyst II

Ms. Esther Ngechu
Senior Serjeant-At-Arms

Mr. Joshua Lenambeti
Serjeant-At-Arms

Ms. Deborah Mupusi
Media Relations Officer II

Mr. George Ndenjeshe
Fiscal Analyst III

Mr. Kelvin Lengasi
Audio Recording Officer

2.0 THE NATIONAL ASSEMBLY'S DELEGATION

7. The National Assembly Delegation comprised of the following:
 - (i) The Hon. Mugambi Murwithania Rindikiri, M.P. - Leader of the Delegation
 - (ii) The Hon. Caleb Mutiso Mule, M.P. - Member of the Delegation
 - (iii) Mr. Ahmed Salim Abdalla - Secretary to the Delegation

The delegation was accompanied by contractors from Kenya, officials from the National Construction Authority and staff from the United States Embassy in Nairobi.

3.0 INTRODUCTION

8. Following an invite from the National Construction Authority dated 23rd November 2022, the National Assembly's Departmental Committee on Housing, Urban Planning and Public Works sent representation to the World of Concrete forum, Las Vegas, Nevada, the United States of America. The National Construction Authority had, in partnership with the U.S. Embassy in Nairobi, organized for the participation of players in the construction industry to the forum, with an aim of drawing lessons and creating connections and building synergies among construction stakeholders.
9. The National Assembly delegation consisting of Hon. Mugambi Murwithania Rindikiri and Hon. Caleb Mutiso Mule departed for the United States of America on Friday, 13th January 2023 and returned to Nairobi on Sunday, 22nd January 2023.
10. The delegation visited a number of exhibitions stands at the forum, and interacted with numerous exhibitors, drawing a considerable wealth of knowledge on matters construction. The forum was held at the Las Vegas Convention Centre.

3.1 Visit to the World of Concrete

11. During the visit, the delegation met with a number of exhibitors, and interacted with various stakeholders in the construction industry.
12. Touted as one of the world's largest trade shows for the commercial concrete and masonry construction industries, the World of Concrete held its 49th annual event at the Las Vegas Convention Center (LVCC) in January 2023. With 48,000 registered professionals, heavy show floor foot traffic and more than 120 countries in attendance, the event further solidified itself as the critical meeting place for industry advancement.
13. World of Concrete is an annual international event dedicated to the commercial concrete and masonry construction industries. Featuring indoor and outdoor exhibits with the industry's leading suppliers showcasing innovative products and technologies, exciting demonstrations and competitions, and a world-class education program.

14. World of Concrete's premium education program offered more than 160 technical sessions, including hands-on training, safety expertise and business development.
15. The Concrete Industry Management (CIM) program held its Silent & Live Auctions, generating a record-breaking fund of more than \$2.1 million. Designed to prepare students for the concrete workforce early in their careers, the CIM education program provides students with a Bachelor of Science degree in Concrete Industry Management, a business program specifically developed for the concrete industry. World of Concrete also donated \$15,000 to the CIM Education Program for the second consecutive year.
16. Some of the products and companies that the delegation met with at the forum included SpaceCrete, Tuf-N-Lite, Western Forms, among others.

SpaceCrete

17. The delegation was received at the SpaceCrete exhibition stand by Mr. Michael Butler who is a civil engineer, and design/build contractor. In the category of concrete construction materials, Mr. Butler demonstrated his personally developed 3D-Admix product for concrete. This method allows concrete to be pumped into place to build walls without forms. Redimix concrete is delivered to the jobsite, then thickeners and accelerators as required are injected and intermixed in the pumping line, to give the fluid concrete the zero-slump-with-workability properties.
18. Mr. Butler explained that he had applied for patents in the United States and Europe for his 3D-Admix, an organic additive that noticeably modifies concrete. When the 3D-Admix is injected into the pumping line, the concrete slurry becomes an easily shapeable material that radically improves the process of creating vertical walls that can repeatedly be quickly vibrated down as fast as you can pump it.
19. The delegation was informed that to date, the most common process of creating vertical concrete walls requires the time and expense of building the forms the concrete will be poured into. Large infrastructure projects applied the concrete via the shotcrete method, the process of shooting concrete at high pressure and volume onto a form. However, it requires skilled labor and is now noted for its extreme health hazards due to workers' exposure to silica dust. 3D printing of concrete walls has taken hold, but concrete is a heavy fluid. Getting it to conform to the desired shape requires an expensive, specialized mortar. SpaceCrete product eliminates the need for the high concentration of cement needed for 3D printing or the use of fine powder mortars.
20. Since forming is the biggest cost in concrete construction, Mr. Butler explained that the use of his product for 3D printing means no more forms, thinner walls, less concrete, use of normal rebar, and faster slip forming. He sees 3D-Admix as ideal for basement construction, elevator shafts, wind turbine towers, and even disaster-resistant housing. The mixture not only provides an ideal concentration for 3D printing but also has a few other attributes.

Tuf-N-Lite

21. The delegation was received by the TUF-N-LITE official, Ms. Jenna Doty. The delegation was informed that TUF-N-LITE is an innovative concrete forming and reinforcing manufacturer based out of Monroe, Ohio. TUF-N-LITE began by manufacturing aluminum forms for the residential market but has since picked up other product lines that will have a large impact on the construction market.
22. The company has a number of products including the following:
 - a) MST-BAR: A full line of composite glass fiber rebar products and services for all concrete applications.
 - b) MSB Form: A reusable bracing system to replace the conventional wooden kicker.
 - c) TILT WALL HEADQUARTERS: Offers a full line of concrete tilt wall forming and lifting products and services.
 - d) UF-N-LITE: Offers a full line of aluminum forms, hardware and ties that are all manufactured in the USA.
23. The company prides itself as manufacturers and representatives of industry changing concrete forming and reinforcing products and services. The delegation was of the view that it was ideal as a country if we considered such building technologies while developing the mass affordable housing units.

Western Forms

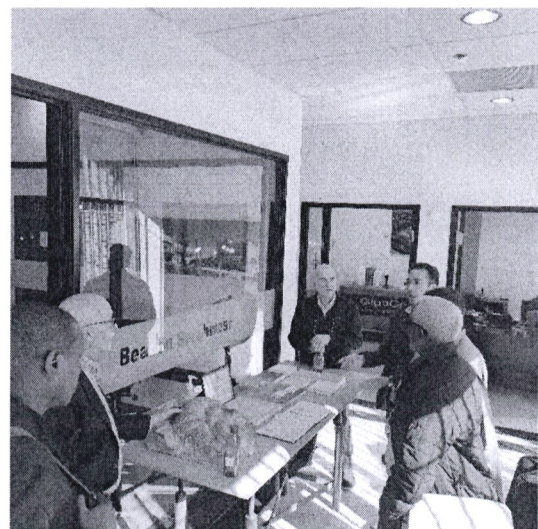
24. The delegation was received at the Western Forms exhibition stand by the company officials, Mr. Israel Valdez and Mr. Ron Ward. The owner, Mr. Ron Ward submitted that the Western Forms was the original form company, with the largest share base and customer base. He stated that they have been doing business for the last 40 years and have had the honour to engage with a wide clientele including from Nigeria, Ghana, Saudi Arabia, and Iraq among others.
25. Western Forms manufactures aluminum concrete forms for cast-in-place concrete walls. Western forms are used in over 55 countries for building concrete foundations, concrete housing (low to high rise structures), commercial concrete projects, and a wide variety of precast concrete applications.
26. According to Mr. Ron Ward, the Western form aluminum concrete wall forms are faster, lighter, and last longer than other comparative forming systems. The delegation was of the view that West forms is one of the products that Kenya may consider in realizing one of its flagship projects of affordable housing.

3.2 Visit to GigaCrete Inc

27. The delegation was received at the GigaCrete Inc by the company officials on 16th January 2023. The delegation was informed that GigaCrete manufactures some of the most abuse resistant, water resistant and high impact coatings as well as high speed home building systems on the market. It was submitted that the products are cost-competitive, 'green' and

capturing the attention of world markets anxious to leave behind old and inferior ways to build.

28. Noting that the delegation's interests were majorly on matters housing, the delegation was informed of a product called GigaHouse. GigaHouse is a super insulated steel framed building system (steel is the most recycled material on earth) utilizing GigaPanel components and it is so energy efficient that a GigaHouse will exceed ICF construction in thermal qualities.
29. GigaHouse super insulated steel-framed construction system specifically targets projects where rapid speed of construction and ease of assembly is important. By significantly reducing labor costs and project cycle times, GigaHouse building system allows a high-performance sustainable structure to be constructed at or below wood framed prices. This is a revolutionary step change in the way we build by reducing onsite labor costs. All walls are super insulated with higher R values starting at R-24 up to R-60. In addition, GigaCrete panels are coated with PlasterMax abuse and fire-resistant interior coatings and waterproof weather resistant StuccoMax exterior coatings and painted any color.
30. The delegation was informed that building operating costs are reduced, HVAC systems can be sized down as much as 60%, and operating times to heat or cool the structure are shortened. GigaHouse provides the thermal efficiency and speed to get any project completed and occupied quickly.



Kenyan Delegation at the GigaCrete Inc in Nevada

31. At the end of the meeting, the delegation was given the following as highlights of the product:
 - a. Meets IBC steel-framed construction standards, utilizing ICC approved steel studs and EPS foam
 - b. Engineered to withstand hurricane force winds and CA seismic zone 4
 - c. Easily and rapidly assembled by unskilled labor
 - d. Utilizes PlasterMax fire rated interior abuse resistant finishes
 - e. StuccoMax non-combustible waterproof exterior finishes
 - f. No Portland cement = Low Carbon footprint

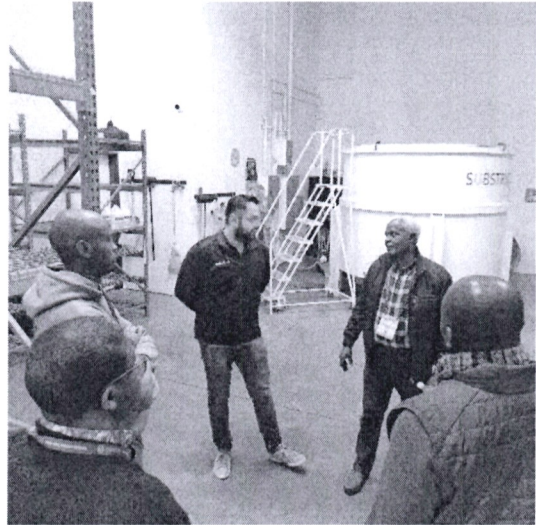
- g. Unlimited design possibilities including curved walls
- h. Ideally suited for Low cost and affordable housing
- i. No wood, No rot, No mold or mildew, insect and fire resistant
- j. Containerized and shipped globally to remote locations as a complete kit
- k. Emergency and Disaster relief permanent housing and shelters
- l. International joint venture factory opportunities are available
- m. Supplier of remote location housing for Oil and Gas and Mining industries
- n. Government suppliers of mass affordable housing
- o. Unlimited design capabilities
- p. Lightweight components are hand carried onsite, no need for cranes.

32. The delegation noted that as a country, it was important to consider products such as GigaHouse to realize the faster achievement of the affordable housing agenda.

3.3 Visit to Substrata

33. The delegation visited a company called Substrata on 18th January 2023. The delegation was accompanied by officials from the National Construction Authority, and Kenyan contractors including Mr. Aggrey Maganga, Mr. Henry Mugo Berenje and Mr. Simon Kimani Waithima. At the Substrata offices, the delegation was received by the company officials including Ms. Kat Zahnow and Mr. Mario Rivera.
34. The delegation was informed that Substrata has been solving the biggest challenges in soil stabilization, soil conditioning, cleaning, odor control, and petroleum-based bioremediation for over 40 years. The company's family of enzyme-based soil treatment has expanded into four flagship products known as Perma-Zyme, Petra-Zyme, Bacto-Zyme, and Harva-Zyme. The delegation was however particularly interested in Perma-Zyme because it was the product that had the potential of improving roads infrastructure at affordable and quicker ways.
35. The delegation was informed that Perma-Zyme can be used in both paved and unpaved roads to create a concrete-like surface. This is used as a cheaper substitute to tarmac roads and a better alternative to the ordinary murram roads. The road surface is said to be so strong such that even when hit with a hard object such as a hammer, the impact is very minimal. The product once mixed with the soil can increase the soil strength by upto 13 times.

36. Requirements for using the Perma-Zyme product are relatively easy. For instance, the native soil must contain at least 20% clay and that no rain during the 3-day curing period. However, in the event of rain, there are cures. Further, the local temperature should be above 4 degrees Celsius. Water normally acts as transportation mechanism for the product to fully penetrate the soil. Compaction thereafter pushes the clay particles close together, allowing the product to generate a strong bond between soil particles, resulting in a concrete-like surface. It was reported that the Perma-Zyme continues bonding the clay together for upto 10 years.



37. The delegation noted that the product was safe to apply since it may not harm the machinery and occasions no health risks to workers. It was also reported that it was environmentally friendly because it cannot leach into the water table and it cannot harm wildlife.

4.0 COMMITTEE'S OBSERVATIONS

38. The Committee delegation observed as follows:

- i. There are numerous technologies in the construction industry, some of which are proven, affordable and sustainable. For instance, the delegation was convinced that GigaCrete's high quality homes and buildings were affordable because they are built with speed, are energy-efficient, and require minimal maintenance.
- ii. There was need to adopt a more flexible approach in construction if the government was to make faster progress in affordable housing projects. This includes making utmost use of new building technologies, some of which are cheaper.

5.0 COMMITTEE'S RECOMMENDATIONS

- 39. The Committee recommends that the National Construction Authority prepares a data bank of all the relevant new-built technologies and develop mechanisms for their identification, standardization and recognition.
- 40. With an increased interest in the use of fiber-reinforced concrete in concrete pavement applications in the construction industry, the Committee recommends that the National Construction Authority develops clear and detailed guidelines and recommendations on how to properly select and use fiber in concrete.

Signed

HON. JOHANA NG'ENO KIPYEGON, MP

Chairperson

**DEPARTMENTAL COMMITTEE ON
HOUSING, URBAN PLANNING AND PUBLIC WORKS**

Date **4/5/2023**

MINUTES OF THE TWENTY FIRST (21ST) SITTING OF THE DEPARTMENTAL COMMITTEE ON HOUSING, URBAN PLANNING AND PUBLIC WORKS HELD ON THURSDAY, 27TH APRIL 2023 AT 10:00 A.M. IN THE CONFERENCE ROOM ON 5TH FLOOR, CONTINENTAL HOUSE, PARLIAMENT BUILDINGS

MEMBERS PRESENT

1. Hon. Esther Muthoni Passaris, OGW, M.P. - *Session Chairperson*
2. Hon. John Waluke Koyi, M.P.
3. Hon. Innocent Obiri Momanyi, M.P.
4. Hon. Joshua Kivinda Kimilu, M.P.
5. Hon. Samuel Kinuthia Gachobe, M.P.
6. Hon. Caleb Mutiso Mule, M.P.
7. Hon. Daniel Ogwoka Manduku, M.P.
8. Hon. Irene Njoki Mrembo, M.P.
9. Hon. John G. Mwaniki Mukunji, M.P.

MEMBERS ABSENT WITH APOLOGY

10. Hon. Johana Ng'eno Kipyegon, M.P. - *Chairperson*
11. Hon. Mugambi Murwithania Rindikiri, M.P. - *Vice Chairperson*
12. Hon. Abraham Kipsang Kirwa, M.P.
13. Hon. Jane Wangechi Kagiri, M.P.
14. Hon. Maurice Kakai Bisau, M.P.
15. Hon. Ronald Kamwiko Karauri, M.P.

SECRETARIAT

- | | |
|-------------------------------|------------------------|
| 1. Mr. Ahmed Salim Abdalla | - Clerk Assistant I |
| 2. Mr. Sisto Gichuhi Macharia | - Clerk Assistant III |
| 3. Mr. Dickson Mogeni Gekara | - Clerk Assistant III |
| 4. Ms. Emma Esendi | - Senior Legal Counsel |
| 5. Mr. Mr. Nelson Odida | - Research Officer III |
| 6. Ms. Florence Wanja | - Protocol Officer |
| 7. Mr. Nicasio Mugendi | - Legal Intern |

AGENDA

1. Prayers;
2. Preliminaries;
3. Confirmation of the previous minutes;
4. Consideration of the National Construction Authority (Amendment) Bill, 2022;
 - Report writing- Committee Observations and Recommendations
 - Adoption of the Committee Report
5. Adoption of the proposed Committee schedule of activities for the month of May;
6. Adoption of the Delegation Report on the visit to the World of Concrete Forum;
7. Any Other Business; and
8. Adjournment.

MIN No. HUPPW 091/2023: PRELIMINARIES

The Committee noted that the Committee Chairperson was engaged in other matters and that he had given his apologies. The Hon. Esther Muthoni Passaris, OGW, M.P. was therefore proposed by the Members present as the Session Chairperson. The meeting was called to order by the

Session Chairperson at 10.30 a.m. followed by a word of prayer. The agenda of the meeting was therefore adopted having been proposed by Hon. Innocent Obiri Momanyi, M.P. and seconded by Hon. Samuel Kinuthia Gachobe, M.P.

MIN No. HUPPW 092/2023: **CONFIRMATION OF THE MINUTES OF THE PREVIOUS SITTINGS**

The Session Chairperson took members through the previous minutes that were outstanding for them to review and subsequently adopt them as a true reflection of the proceedings. The committee confirmed the minutes as follows:

1. Minutes of the 19th sitting which was held on 23rd March 2023 were confirmed as a true record of the proceedings, after having been proposed by the Hon. Joshua Kivinda Kimilu, M.P. and seconded by Hon. Esther Passaris, M.P.
2. Minutes of the 20th sitting which was held on 25th April 2023 were confirmed as a true record of the proceedings, after having been proposed by the Hon. Daniel Manduku, M.P. and seconded by Hon. Caleb Mutiso Mule, M.P.

MIN No. HUPPW 093/2023: **CONSIDERATION OF THE NATIONAL CONSTRUCTION AUTHORITY (AMENDMENT) BILL, 2022**

The Committee indicated that since the proposed amendments were touching on a special group of the society i.e. the youths, women and those living with disabilities, they needed more time to thoroughly scrutinize the changes proposed and their long-term effects both to the Construction Industry in general and the revenue streams of the National Construction Authority, NCA. The Committee therefore resolved to have a one week retreat in Mombasa during the week starting on 7th May 2023 for full review of the proposed amendments. The committee to make its observations and recommendations during the retreat.

MIN No. HUPPW 094/2023: **ADOPTION OF THE PROPOSED COMMITTEE SCHEDULE OF ACTIVITIES FOR THE MONTH OF MAY**

The Members resolved to further review and consider the proposed programme of activities during the upcoming retreat to be held in Mombasa as from 7th May 2023.

MIN No. HUPPW 095/2023: **ADOPTION OF THE DELEGATION REPORT ON THE VISIT TO THE WORLD OF CONCRETE FORUM HELD IN NEVADA, U.S.A**

The committee adopted the delegation report on its participation to the World of Concrete Forum held in Nevada, U.S.A. in its entirety, the adoption having been proposed by Hon. Caleb Mutiso Mule, M.P. and seconded by Hon. Samuel Kinuthia Gachobe, M.P.

MIN No. HUPPW 094/2023: **ANY OTHER BUSINESS**

The Committee resolved to undertake a familiarization retreat / induction workshop in Mombasa with the Ministry and the State Departments within its purview soon after the retreat for consideration of the NCA (Amendment) Bill, 2022. The dates of the familiarization retreat to be agreed during the retreat scheduled from 7th May 2023.

MIN No. HUPPW 095/2023: ADJOURNMENT

There being no other business to transact, the sitting adjourned at sixteen minutes to noon. Next meeting to be held on notice.

Signed..........

(Chairperson)

Date..... 4/5/2023

**ADOPTION OF THE COMMITTEE DELEGATION REPORT ON THE VISIT TO
THE WORLD OF CONCRETE FORUM IN NEVADA, USA**

We, the Members of the Departmental Committee on Housing, Urban Planning and Public Works have, pursuant to Standing Order 199, adopted this Report of the Committee Delegation Visit to the World of Concrete Forum in Nevada, USA and affixed our signatures to affirm our approval and confirm its accuracy, validity and authenticity:

1. Hon. Johana Ng'eno Kipyegon, M.P. – Chairperson
2. Hon. Mugambi Murwithania Rindikiri, M.P. – Vice Chair
3. Hon. John Waluke Koyi, M.P.
4. Hon. Esther Muthoni Passaris, OGW, M.P.
5. Hon. Innocent Obiri Momanyi, M.P.
6. Hon. Joshua Kivinda Kimilu, M.P.
7. Hon. Samuel Kinuthia Gachobe, M.P.
8. Hon. Abraham Kipsang Kirwa, M.P.
9. Hon. Caleb Mutiso Mule, M.P.
10. Hon. Daniel Ogwoka Manduku, M.P.
11. Hon. Irene Njoki Mrembo, M.P.
12. Hon. Jane Wangechi Kagiri, M.P.
13. Hon. John G. Mwaniki Mukunji, M.P.
14. Hon. Maurice Kakai Bisau, M.P.
15. Hon. Ronald Kamwiko Karauri, M.P.