



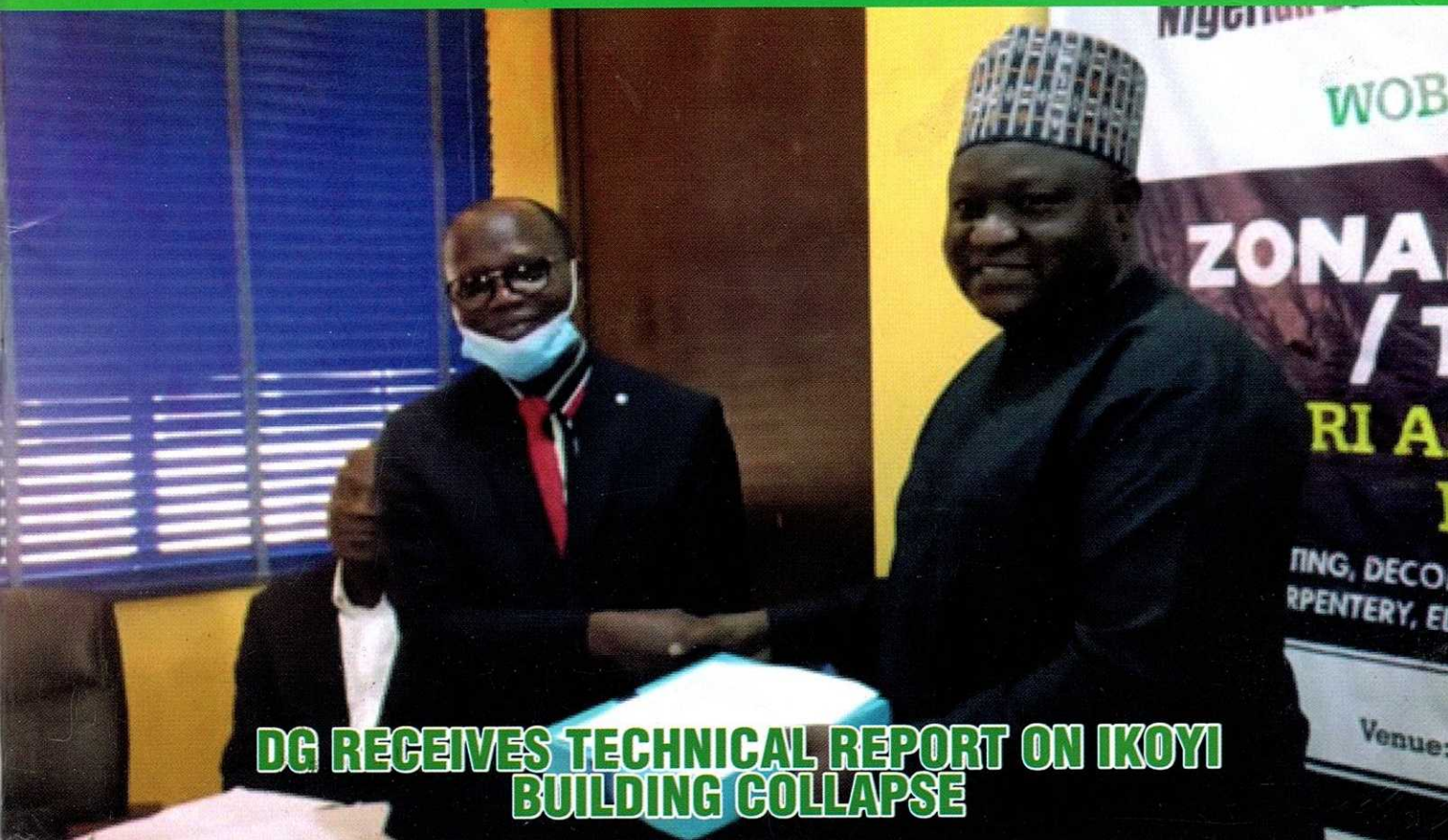
# NBRRI

## Newsletter

1st Quarter 2022, Vol. 12 No. 2

The Quarterly Newsletter of the Nigerian Building and Road Research Institute

## NBRRI EXCELS AT 2022 ST&I EXPO



**DG RECEIVES TECHNICAL REPORT ON IKOYI BUILDING COLLAPSE**

**O**n behalf of the management of Nigerian Building and Road Research Institute, I welcome you to the first quarter of the 2022 NBRRI Newsletter. We take you on a long stretch of an elaborate exposé in this edition that is filled with the continuous monumental achievements of the institute. Of remarkable importance is NBRRI'S excellence at the 2022 Science, Technology and Innovation Expo at the Eagles Square.

Other interesting happenings include capacity building of NBRRI Staff, the presentation of the technical report to the DG on the Ikoyi Building collapse and the report on the impact of artisan trainings, a thank you-courtesy visit to Galaxy Backbone by the DG and members of staff, reports on the fire service workshop carried out in the institute, the visit of the Ritvalue Consultants to the institute, and the various medals awarded to the institute during the 2021 Rigan Games Festival amongst others. There are many more stories including the social diary which are all well packed in this edition.

Sit back and enjoy this educative and informative edition.

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**NBRRI  
(VISION, MISSION & CORE VALUES)  
BUILDING CAPACITY & SETTING THE  
PACE IN INDIGENOUS CONSTRUCTION  
TECHNOLOGY DEVELOPMENT**

**VISION**

To evolve and use a comprehensive and integrated approach in capacity building and investment promotion so as to foster the application of environment-friendly and energy-efficient innovation construction materials, manufacturing technologies and cost-effective building and road construction practices. Which will enhance job-creation, wealth generation and poverty reduction as well as nurture the emergence of vibrant, knowledge-based and highly competitive indigenous construction companies capable of meeting global standards.

**MISSION**

Integrated R&B, Capacity building and robust extension services in which technology innovation and knowledge-based practices in the fields of building road and engineering materials will be used to provide adequate and affordable housing and road infrastructure as well as increased economic empowerment.

**CORE VALUE**

Professionalism Resourcefulness  
Commitment and Integrity Innovativeness

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## NBRRI EXCELS AT 2022 SCIENCE, TECHNOLOGY & INNOVATION EXPO

The Nigerian Building and Road Research Institute (NBRRI) has once again shown that it is among the Best Research Agencies in the Country. NBRRI's Innovation won the 2<sup>nd</sup> position in the 2022 Science, Technology and Innovation Expo being organized by the Federal Ministry of Science, Technology and Innovation. The Expo, which has its theme: **"Sustaining National Growth through Science, Technology and Innovation"** featured participants from all over the federation, who showcased their innovations and inventions especially in the areas of science and technology.

The highly attended event which took place from the 14th to 18th March 2022 at the Eagles Square, Abuja also had participants from Tertiary Institutions, Industries and Entrepreneurs in the country. The assessment of the various performances of participants was based on originality, efficiency, effectiveness, technological application and material clarity.

The Nigerian Building and Road Research Institute (NBRRI) emerged in 2<sup>nd</sup> overall under the research category in Nigeria. This also implies that NBRRI also came out top two among the 17 Research agencies under the aegis of the Federal Ministry of Science, Technology and Innovation with Raw Materials Research and Development Agency as the overall first under the Research category.



NBRI was outstanding with its exhibition of a one-storey detachable/movable house which drew the crowd to the exhibition stand which was made from laterite bricks and bamboo amongst other locally sourced materials.

Expressing his satisfaction with all participants at the Expo, the Minister of the Federal Ministry of Science, Technology and Innovation, Dr. Ogbonnaya Onu mentioned that the Expo will lead to investment for the production of goods and services which will in turn create employment and add value to the Nigerian economy. He also added that this edition of the Expo is unique because innovators from all sectors have been accorded the opportunity to showcase to the world scientific research that can be produced from the country. He also added that due to the global economic and security malaise,

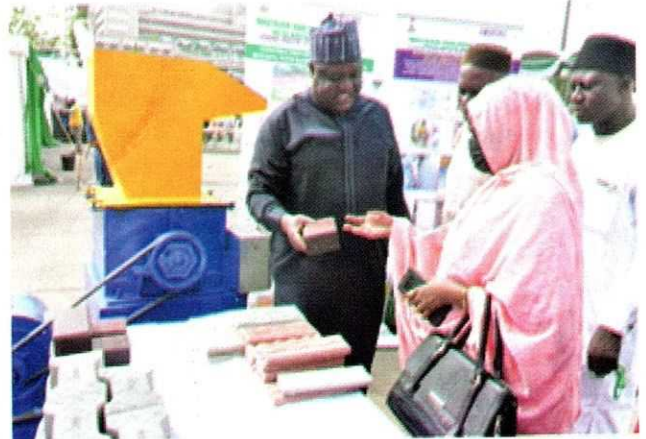
the federal government has resolved to massively deploy indigenous technologies as a strategy to save the nation from these challenges.

On the closing ceremony of the Expo which took place on Friday 18<sup>th</sup> March, 2022, NBRI's Performance through the showcasing of the NBRI's Moveable House was the talk of the day by journalists, other inventors, dignitaries and participants. Outside attaining the second position, NBRI was further recognized as the Honourable Minister of Science, Technology and Innovation, Dr Ogbonnaya Onu led other Federal Ministers and notable personalities on a tour to the NBRI's Movable House. At the end of the one-week Expo, the Agencies, Institutions, Industries and Individual inventors emerged winners from various categories;



FMSTI Minister, Dr. Ogbonnaya Onu and other top dignitaries pose for a photo at the NBRI Stand

# 2022 SCIENCE EXPO IN PICTURES



## TRAINING TO BUILD CAPACITY OF NBRRI STAFF HOLDS



NBRRI DG Prof. S. Duna poses with the facilitator and Staff of the Institute undergoing the training

“Capacity building that will produce positive working attitude is the bedrock of a perfect society and a stabilized and productive organization”. This was the emphasis by the DG/CEO of NBRRI, Engr. Prof. Samson Duna on Wednesday 26<sup>th</sup> January, 2022 when he declared open a two-day seminar for all members of staff of the institute.

The seminar which was organized by NBRRI in conjunction with Advanced Management Academy has as its theme: **Positive Work Attitude as a Strategy for Improved Corporate Image**. The seminar was divided into two categories of staff levels; day one of the seminar 26<sup>th</sup> January accommodated staff from junior cadre to grade level 12, while day two 27<sup>th</sup> January was for staff on grade levels 13 to 15 and the DG/CEO.

Prof. Duna expressed appreciation for the initiative and encouraged staff to see this as an opportunity to build on their working attitude for positive productivity. He promised to pull all his weight in support of more seminars that will assist in positive improvement in work output of staff of the institute.

Speaking at the opening also, the CEO of Advanced Management Academy, Dr. Peter Oyeneke, FNIPR appreciated the DG and the institute for granting the academy the privilege to be the organizer of the seminar. He then urged the institute to see how it will be possible to include such seminar into its annual agenda as a yearly programme. The seminar had all staff of the institute both those in the zonal offices and NLC, Ota in attendance via zoom.

# PHOTO GALLERY OF THE CAPACITY BUILDING



## DG NBRRI RECEIVES TECHNICAL REPORT ON IKOYI BUILDING COLLAPSE



The Director-General/CEO of the Nigerian Building and Road Research Institute (NBRRI) Prof Samson Duna on Wednesday 2<sup>nd</sup> February, 2022 received the report of the committee set up by the Institute to carry out technical investigation into the Ikoyi Building Collapse that occurred on November 1<sup>st</sup>, 2021. The committee led by its chairman, Bldr. Prof. Olumide Adenuga of the Nigerian Institute of Building (NIOB) was at NBRRI's South-West Zonal Office in Ikoyi, Lagos State to present the report of their findings and possible recommendations to the DG/CEO who was accompanied by senior management staff of the institute.

Speaking at the brief ceremony, Prof. Duna appreciated the committee for their doggedness and focus in carrying out the research as professionals. He stated that he has been following the trends and workings of the committee as he accorded the committee the necessary independence to carry out their assignment adding he found out that they have done quite a lot. The DG emphasized that every reason they gave that necessitated the

collapsed must be with facts because they are professionals who are adding their own quota to the development of the country and mankind and to see that building collapse is a thing of the past.

Prof. Samson Dina stated that he cannot pay the committee members for the job done, but that their names will be in the annals of NBRRI. He promised to digest the report and try all he could to make sure it gets to the higher authority; adding, the committee members will be call any time there is need and pray they should be willing to come, when the need arises.

The DG further disclosed that NBRRI is planning a summit on building that will involve all stakeholders; adding, he will ensure it has legal backing, so that whatever be the final outcome of the summit, it will be binding on both the professionals and stakeholders. He stated that arrangement is ongoing for the Hon. Minister of Science, Technology and Innovation and the Hon Minister of Housing to be present in the summit.

Presenting the report, the committee's chairman, Bldr. Prof Adenuga, appreciated the DG for setting up the committee which represented the Federal Government. He further explained that, once there is failure/collapse of building, someone must have caused it. It was based on this magnitude of structure and number of lives and properties involved that the Nigerian Building and Road Research Institute (NBRRI) as part of its mandate and social responsibilities set up this committee to look at the immediate causes of this unfortunate incidence and to also give appropriate solution to forestall such occurrence. He then stated that members of the committee took up the responsibilities as stated in the terms of reference and carried out the detailed assignment as follows:

1. The investigating team visited the site at two different occasions. The site rubbles were carefully inspected and samples of all available building materials on site were taken for laboratory assessments. Photographs were taken at strategic locations on site to show some visible column locations, evidence of foundation inspected and reflection on the state of concrete production on site. Observations and results of various materials test are included in the report.

2. The committee interacted with key stakeholders that took part in the design and construction of the building. It is necessary to mention that till the writing of this report, the committee has not received any approved drawings of the collapse structure from appropriate agencies of Lagos State Government.
3. The committee assessed the structural drawings with the details submitted by Prowess Engineering Limited. Our Engineers analysed the structural drawings and came up with our findings that were included in the report.
4. The comprehensive "on site" and "in site" assessment of the production on site was carried out in order to establish the quality of supervision, and prudent use of material. The committee, based on the investigation carried out, was able to establish the major causes of the 21 Storey Building that collapsed.

Adenuga hoped that the institute will have the full backing of the Federal Government to be able to utilize the recommendations in the report so as to forestall future occurrence.



## NBRRI ON A THANK YOU VISIT TO GALAXY BACKBONE NIGERIA



**F**or the magnanimity shown to NBRRI, the Director-General/CEO of the Institute, Engr. Prof. Samson Duna on Thursday 10<sup>th</sup> February, 2022 led top management staff of the institute on a Thank you visit to the Managing Director/CEO of Galaxy Backbone Nigeria Limited, Prof. Muhammad Bello Abubakar and his management team.

Speaking on the purpose of the visit, Prof. Duna said it is to thank the MD for erecting a Communication Mast by Galaxy Backbone at NBRRI's Headquarters, Abuja. He added that with the mast in place, NBRRI headquarters will soon be accessing fast internet connectivity via a large bandwidth.

The DG further briefed the MD and his team what NBRRI is all about: Beginning from its establishment in 1978 to some of the innovations, R & Ds by NBRRI and the future prospects of the Institute in boosting the country's economy through local contents and affordability of construction materials that are of standards and durability.

Just like the popular *Oliver Twist*, Prof. Duna used this opportunity to request for more of such Masts especially at NBRRI's NLC, Ota office and if possible, other zonal offices.

Finally, he spoke on the need for collaboration in building construction and working as partners in adding its own quota to the development of the country's economy.

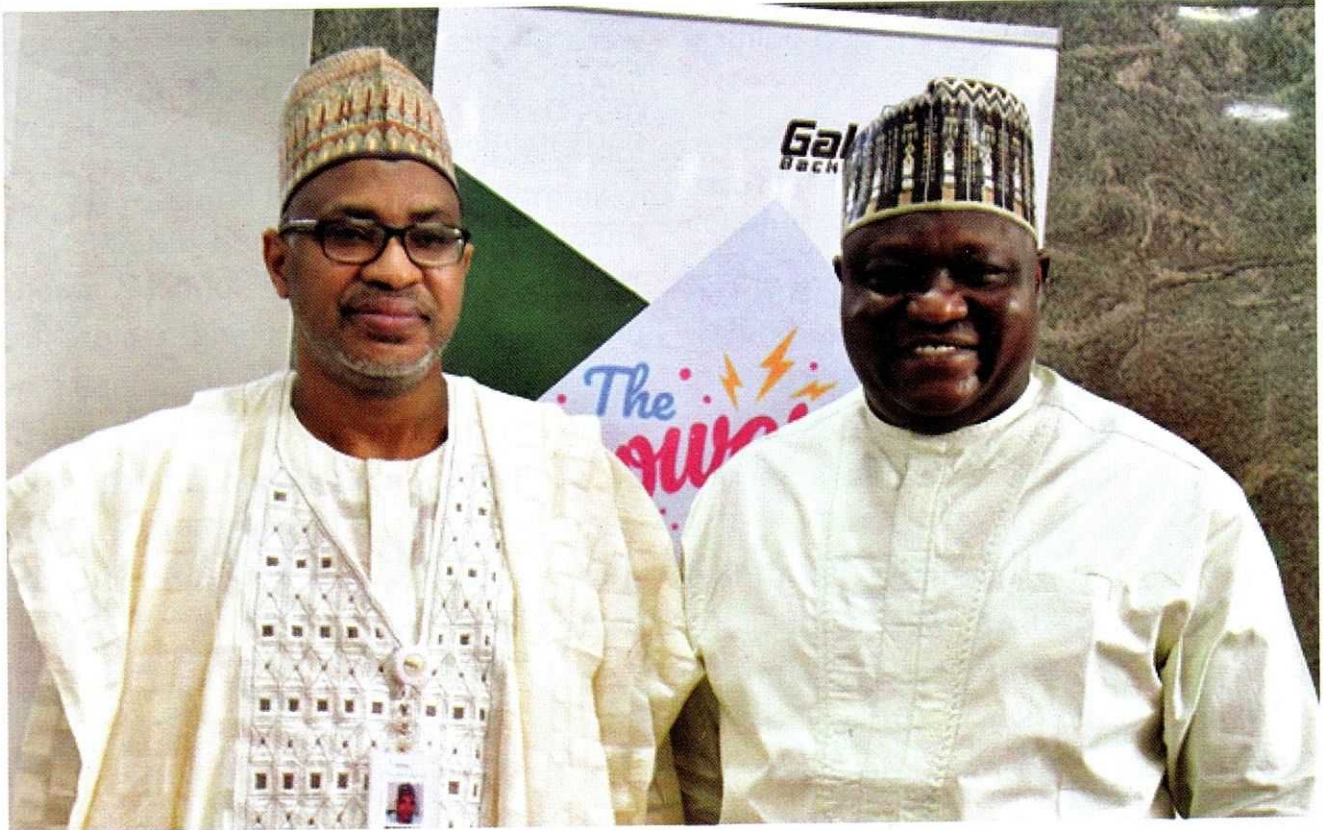
Responding, Prof. Muhammad Abubakar expressed satisfaction with the visit of NBRRI to the agency. He stated that since the establishment of Galaxy Backbone by the Federal Government in 2006, a lot of achievements has been made in trying to connect and uplift the country to a digital world and to meet up with the global realities of digitalization.

He explained that the ongoing connection and installation of Communication Mast in all MDGs and States across the country has gone past the first stage and they are on the second stage; stating that before the end of

the first quarter of 2023, the entire country will be digitalized and the positive impact will be felt by all.

After the meeting, a tour of the facilities inside Galaxy Backbone was conducted for the NBRRI entourage.

Based on the requests by NBRRI, Prof. Bello graciously accepted to work towards the realization of these requests. He further stated that the area of collaboration is very important at this time. He explained that Galaxy Backbone needs NBRRI more in area



# REPORT ON THE NATIONAL FIRE WORKSHOP HELD ON THE 8TH – 9TH OF FEBRUARY 2022 AT NBRRI HEADQUARTERS JABI, ABUJA

## Introduction

The National Fire Workshop organized by the Fire and Safety Section of the Building Research Department. Born out of a research conducted by the section on fire and safety compliance in selected markets in six (6) States each from the geo-political zones and the FCT.

The workshop held from 8<sup>th</sup> – 9<sup>th</sup> of February 2022 at NBRRI headquarter, Jabi.

Participants for the workshop were drawn from various MDA's, professional bodies, regulatory bodies, market management, contractors, private organizations, the following participants were present for the workshop:

Federal Fire Service (FFS); Architects Registration Council of Nigeria (ARCON); Abuja Market Management Limited (AMML); Standards Organization of Nigeria (SON); Institute of Safety Professionals of Nigeria (ISPON); Federal Capital Development Authority (FCDA); Development Control; Meridian Associates; National Emergency Management Agency (NEMA); Abuja Municipal Area Council (AMAC); Nigerian Institute of Quantity Surveyors (NIQS); Quantity Surveyors Registration Board of Nigeria (QSRBN); Institute of Disaster Management and Safety Science (IDMSS); Council for the Registration of Engineers (COREN); Fire Disaster Prevention and Safety Awareness Association of Nigeria (FDPSAAN); America International

Insurance Company (AIIC); Ahmadu Bello University (ABU) Zaria; Nigeria Television Authority (NTA); Market managers; Officials of market association.

There were a total of 190 participants who were physically present at the workshop venue and about 450 online (zoom) participants.

## PRESENTATIONS

There were a total of four (4) paper presentation, One (1) training session, fire drill session, one (1) keynote address as well as goodwill messages. The chairman of the occasion gave his address as well as the representative of the Minister, who declared the workshop open and the DG/CEO NBRRI.

## Goodwill Messages

Mr. Emeka Agbogu of the Federal Fire Service

Mr. Ahmed Badanga (FDPSAAN)

Dr. Edwin Ochagwuba, Registrar IDMSS  
Bldr. Julius E. Okoh, ISPO

## Keynote Address

Arc. Ibrahim Uzaibat. Ag. MD/CEO AMML. Other speakers at the opening ceremony are: QS. Olayemi Shnubi, President NIQS; Engr. Prof. Samson Duna, DG/CEO NBRRI; Mr. Peter Chidebe Ekweozoh of FMSTI and Engr. Dr. Jibrin Sule, who represented the HOD of Building Research Department, NBRRI.

## Paper Presentation (Day 1)

- *“Fighting Fire from the Conceptual Stage of Architectural Design: A Case for Nigeria's Markets”* presented by Prof. Stephen N. Oluigbu, ABU Zaria
- *“The Role and Challenges of Fire Service in Mitigating Fire Disaster in Nigeria's Markets”* presented by Mr. Emeka Agbogu of the Federal Fire Service
- *“Assessment of Fire Safety Compliance in selected Markets in six (6) Geopolitical Zone in Nigeria”* presented by QS. Longtau Pirmak of NBRI, Abuja

## Day 2

- *“Fire Resistance Performance of Building Materials”*: Engr. Bature Inuwa, SON

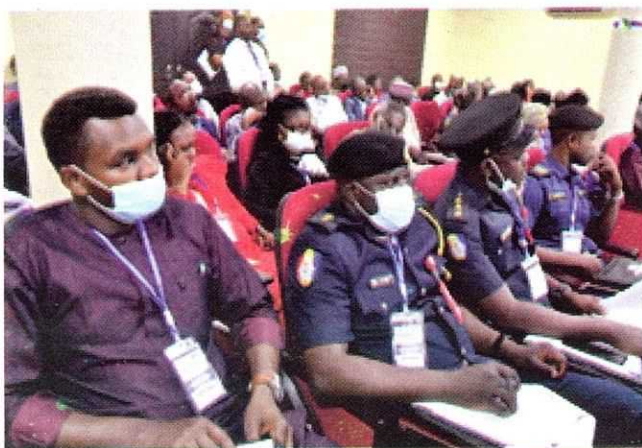
- *“Fire Safety Design Considerations: A Panacea for Fire Severity Reduction in Markets”* presented by Arc. Umar M. Saulawa, Registrar of ARCON
- *“Training on the use of Fire Equipment”*: presented by Mr. Amosa A. Matthew, of the Federal Fire Service.

Later there was a Fire Drill Session conducted by Mr. Krimi J. Emmanuel of the Federal Fire Service.

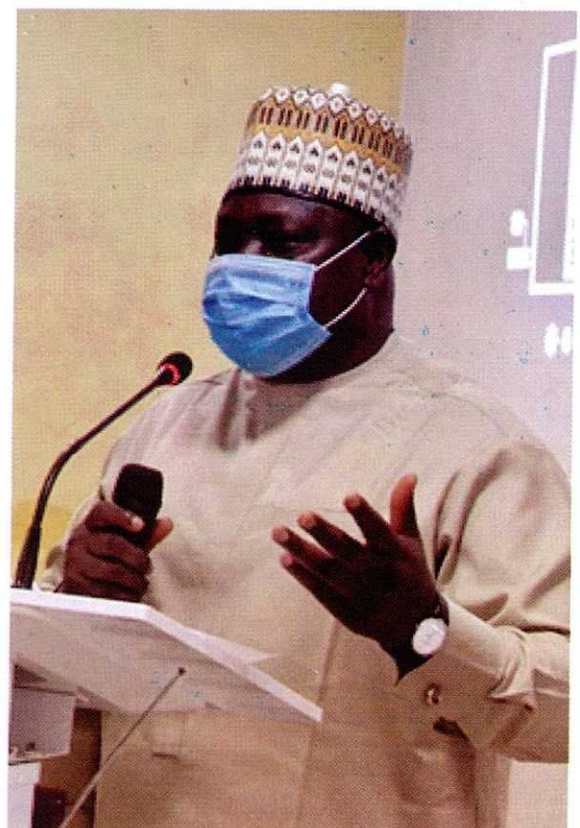
A communiqué from the workshop is presently being compiled and will be forwarded to the DG/CEO soonest.

## Conclusion

The presentation of certificate to participant was done by the Director of Admin and Personnel Mrs. Jude Iloma after a concluding address.



# NATIONAL FIRE WORKSHOP IN PICTURE



## RITVALUE CONSULTANTS STRENGTHEN TIES WITH NBRRI



The Nigerian Building and Road Research Institute (NBRRI) and RITVALUE Consultants have seen the need to further strengthen the existing relationship between both parties so as to take R&D in the construction sector to the next level.

This was the main point highlighted when the Director-General/Chief Executive Officer of NBRRI, Engr. Prof. Samson Duna and some management staff of the institute paid a courtesy visit to RITVALUE Consultants on Monday 14<sup>th</sup> February, 2022 in Abuja.

Welcoming the DG and his team, the President/CEO of RITVALUE Consultants, Dr. Taofiq Raimi appreciated the selfless service and humility of Prof. Samson Duna who despite his busy schedule find time to pay a visit to them just for the purpose of actualizing perfect end results and better

working relationship in Research and Development which are geared towards the growth of the country's economy.

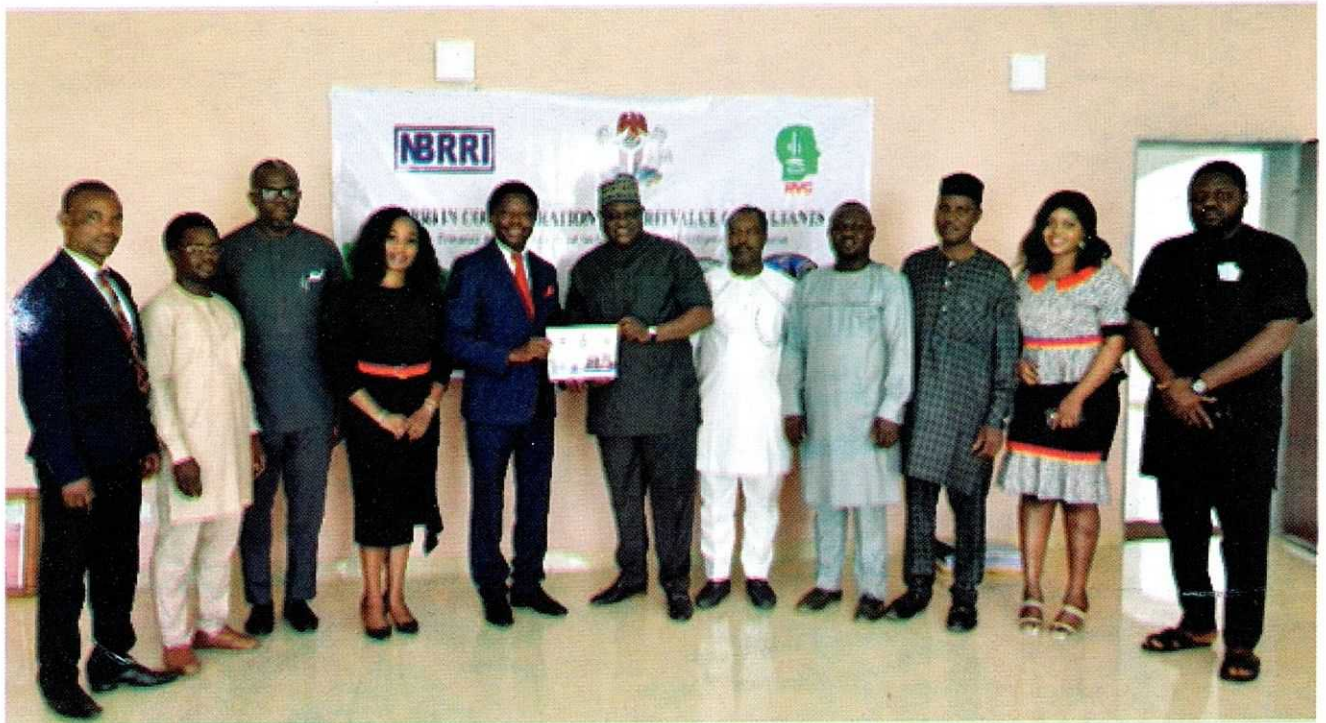
Speaking further, Dr. Raimi expressed satisfaction towards the level of success achieved by NBRRI and RITVALUE since June 1<sup>st</sup>, 2021 when both parties began the process of signing an MoU. He also stated that the collaboration between NBRRI and RITVALUE is very significant because it will help to bridge the existing gap between the government and the public for there has been poor collaborations between industries (Private Sector) and government MDAs.

Finally, he stressed on the need to complete the process of the MoU and to commence the Implementation Plan. Speaking on the visit made, Prof. Duna stated that the courtesy call is more of a familiarization tour so as to know the

strength and environment of RITVALUE. He then expressed his appreciation towards the success achieved by RITVALUE so far in area of Research and Development. He further outlined some possible areas of future research collaborations such as staff exchange programme, use of equipment and laboratories for research findings, research on the reason why so much

unoccupied houses in Abuja and possible solutions to such, research on standardization of materials and so on.

Finally, he promised maximum collaboration and support with RITVALUE and promised to speed up the process of the Implementation Plan of the MoU.



## CENTER FOR ETHICS AWARDS NBBRI FOR GOOD WORK ETHICS

On Wednesday 23rd February 2022, delegations from the Centre for Ethics and Self Value Orientation; a Lokoja based international anti-corruption NGO that majored in exposing corruption and promoting ethical leadership and ethical education amongst citizens, paid a courtesy visit to the Nigerian Building and Road Research Institute to honour the DG/CEO, Directors as well as Heads of Department with awards of excellence.

Ambassador Salisu Mustapha , Head of Corporate Affairs of the Centre in his opening remark stated that the Centre has about 1,500 secret informant spread across the country, saddled with the responsibility of annually conducting secret and independent assessments of the activities of public officials, individuals and corporate organizations through the massive distribution of questionnaires to conduct public opinion, project sites visitation without the consent of the subject of assessment; with all these, they're well equipped to achieve their targets.

In his mission statement, the founder of the Centre, Ethics Ambassador Prince Saliu Musa Yakubu stated that they came to positively affect the service delivery of NBBRI because they have investigated the DG and the institute at large and have been found worthy of praise.



Prof. Duna receiving the award from Prince Yakubu

The DG was honoured with the certificate of Ethical Leadership and Conduct Compliance because his character and conduct were rated high haven passed all integrity test.

The activities of NBBRI were also rated 83%, hence the award of Corporate Certificate of Credence was issued stating that no contractor or secret corruption investigators have found NBBRI wanting in service delivery.

The DG was also awarded Gold medalist in Public Administration, another Gold medal to the institute as one of the best among other government agencies.

The DG was honoured with the prestigious title; Integrity Icon of Nigeria (I.I.O.N) which is further backed by letter of authority. The Directors and Heads of department were also issued certificates of excellence. The founder emphasized that what connects him with NBBRI is service to humanity.

## NBRRI FACILITY TO SERVE AS INTERNATIONAL POTATO MARKET

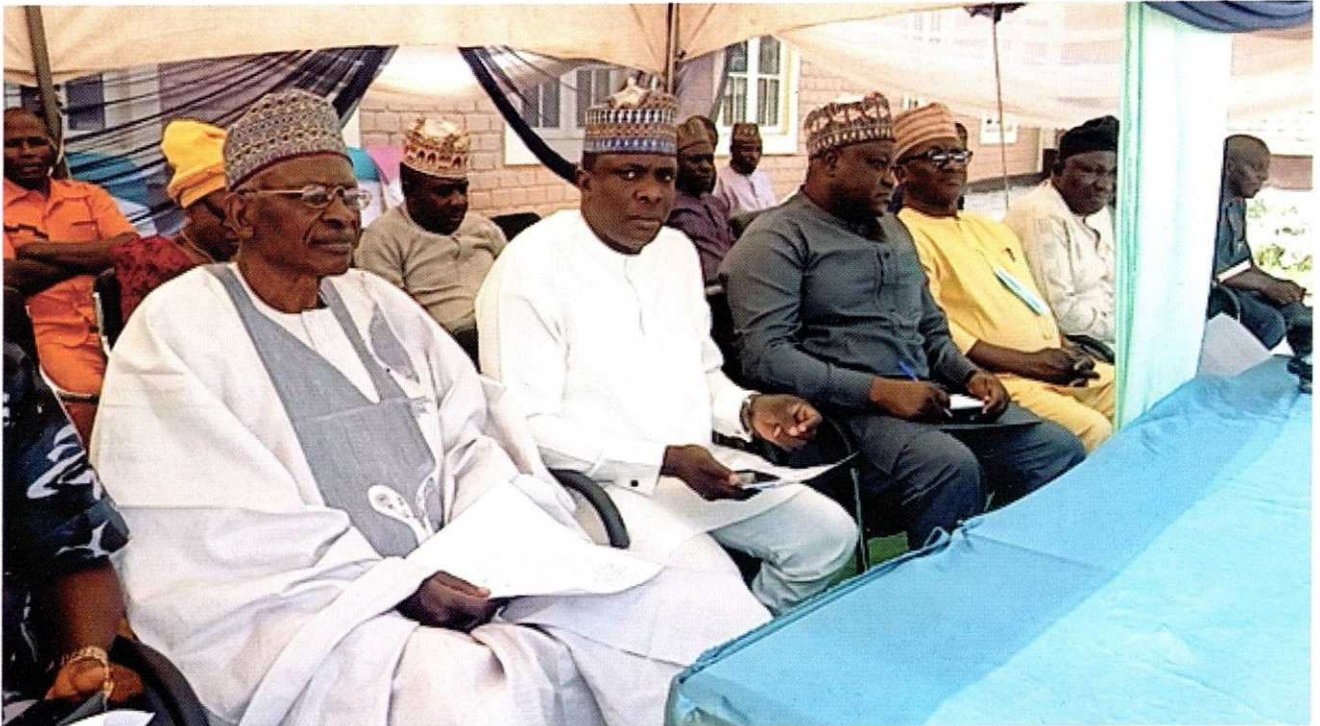


“It takes a golden heart of a God-fearing Man to think of the progress of others and work towards achieving a great development of his people”. These were the words of the Chairman of Bokkos Local Government Area in Plateau State, Hon. Joseph Guluwa when he received from the Nigerian Building and Road Research Institute (NBRRI) the keys to the complex built by the Institute now to be used as an International Market and Storage/Preservation Centre for Irish potatoes that is grown by farmers of Bokkos.

The Centre (Now to be known as the International Potato Market and Storage Centre) was initiated by the immediate past Director-General/Chief Executive Officer of NBRRI, Professor Danladi Matawal and completed by the current DG, Professor Samson Duna.

In his address at the ceremony which took place on Saturday 26<sup>th</sup> February, 2022 in Kopyal, Bokkos LGA of Plateau State, Prof. Duna appreciated the former DG NBRRI, Prof. Matawal for his efforts towards ensuring a better economic environment for the good people of Bokkos describing him as a rare gem.

Speaking on the cordial relationship between the Institute and the good people of the locality, Prof. Duna stated that NBRRI has taken Bokkos to be their home, and as such, the Institute will continue to assist in making Bokkos a business hub thereby creating wealth and job opportunities for Nigerians in the area. He further stressed that the purpose of NBRRI handing over the facility to the Local Government is to assist the Authority achieve its desire to make potato affordable and available even as the local farmers get a better price for their produce.



Prof. Duna however encouraged proper maintenance of the Centre by the LG council and promised the Local Council of NBRRI's intervention in making the market more accessible.

Performing the handing over on behalf of NBRRI, the former DG, Prof. S. D. Matawal commended his successor, Prof. Duna and the entire management for making sure that projects embarked by NBRRI in Bokkos is giving top priority.

Receiving the keys to the complex, the Chairman of Bokkos LGA, Hon. Joseph Guluwa, thanked NBRRI and promised to keep the facility in good working condition. Expressing his heart felt joy, the chairman explained that the Federal Government through NBRRI have impacted the locality by this gesture. He further stated that NBRRI has brought wealth to their doorstep and has greatly assisted in improving the economic state of the people.

Due to the numerous projects done in Bokkos by NBRRI and more being anticipated, the Bokkos traditional council through the Makai

Bokkos, Deh Monday Adanchin, announced at the gathering the conferment of the traditional title "Barden Bokkos" on the DG of NBRRI, Prof. Samson Duna.

Prior to the handing over ceremony, there was a meeting on Friday 25<sup>th</sup> February, 2022 at NBRRI's Skill Acquisition and Pozzolana Plant Centre, Bot, Bokkos where modalities on how the Potato International Market will be run. The meeting which had in attendance the DG NBRRI, Prof. Samson Duna, Former DG NBRRI, Prof. Danladi Slim Matawal, the Chairman of Bokkos Local Government Area, Hon. Joseph Guluwa, the representative of Bokkos traditional rulers, President of Potato farmers, president of Marketers Association, Security agents and other stakeholders in the marketing sectors. The discussion was centered on modalities of managing the facilities, signing of MoU, and strategic ways of improving the facilities to making it of international standards.

## NBRRRI RECEIVES REPORT ON IMPACT OF ARTISAN TRAINING



“A good steward never fails to present his report of stewardship at the end of service delivery”: The above was a joyous appraisal by the Director-General of the Nigerian Building and Road Research Institute Engr. Prof. Samson Duna on 2<sup>nd</sup> of March, 2022 when he received a perfect stewardship report from the MD/CEO of Artisan Skill Empowerment Initiative (ASEI) Engr. Amos Abeni on a visit to the DG/CEO of NBRRRI to present the report of 'Two Weeks Skills Training on Some Building Crafts such as; Painting, Screeding, Plaster of Paris (POP), etc.' organized by ASEI on the 18<sup>th</sup> to 29<sup>th</sup> of October, 2021 for the training and empowerment of some youths in the FCT.

Presenting the report, Engr. Amos Abeni appreciated the DG/CEO NBRRRI and the entire management for availing ASEI the

opportunity with the needed support to impact meaningfully on the lives of Nigerian youths and to add its own quota in the drive towards eradicating unemployment and youth restiveness in the country. He further presented the report of stewardship of the two weeks training and used the opportunity to present a proposal for further support and collaborations.

Appreciating the DG/CEO and the institute on behalf of the trained artisans, Ms. Deborah Okechukwu expressed great delight on the positive impact of the training on the lives of the youths. She stated that most of them are graduates who have been roaming the streets of the country searching for white collar jobs without hope of having a meal on their

table. She explained that the training has done great things in their lives as they are now independent and self-reliance in their various traits. She concluded by soliciting for assistance of job opportunity from the institute in any little way possible.

In response, Prof. Duna appreciated the MD/CEO of ASEI for his show of loyalty and trust worthiness towards the task given to him. The DG promised more partnership with the institute and thereby promised the trained Artisans the opportunity of

giving them some NBRRI's projects handle so as to showcase their learn skills as requested by Ms. Deborah. He then encouraged the MD/CEO not to relent in his good works so as to join great deal in the fight against unemployment and youth restiveness in the country.



## METALLURGICAL, MINING AND MATERIALS ENGINEERS VISIT NBRRI



The national executive of the Nigerian Institution of Metallurgical, Mining and Materials Engineers (NIMMME) on 23<sup>rd</sup> March 2022, paid a courtesy visit to the Nigerian Building and Road Research Institute Administrative Headquarters in Abuja.

The Nigerian Institution of Metallurgical, Mining and Materials Engineers is a division of the Nigerian Society of Engineers which has been in existence for over two decades and was set up to cater for engineering professional graduates, trained in Metallurgy, Mining and Materials and related disciplines such as ceramics Engineering, Polymer Engineering, Textile Engineering, Foundry Engineering, etc. It oversees and caters for the professional development need of its members across the country through its various chapters in major cities and towns.

The delegation was received by the

Director General/Chief Executive Officer of NBRRI Prof. Samson Duna, along with other principal officers of the institute.

Speaking during the visit, the National Chairman of NIMMME, Engr. Prof. Aje Tokeun congratulated the institute for clinching the 2<sup>nd</sup> position at the just concluded Science, Technology and Innovation Expo. He applauded the DG/CEO for his continuous contributions to the growth of the Building and Road construction sectors of the country's economy. He also commended the management and staff of the institute for their positive input and hard work towards the growth and capacity building in the country for national development and mentioned that NBRRI is doing great as it seeks to get involved in the characterization of the Engineering sector for national development.

# TWO MANAGEMENT STAFF BOW OUT OF SERVICE



Leaving the Civil Service with great joy, dignity, respect and pride is the goal of a successful civil servant. This was achieved as encomium was poured on Builder Yunus Olanrewaju Kareem when he was celebrated by the management and staff of the Nigerian Building and Road research Institute at the National Laboratory Complex (NLC), Ota on Monday 7<sup>th</sup> March, 2022 after successfully completed his years of active service with the institute.

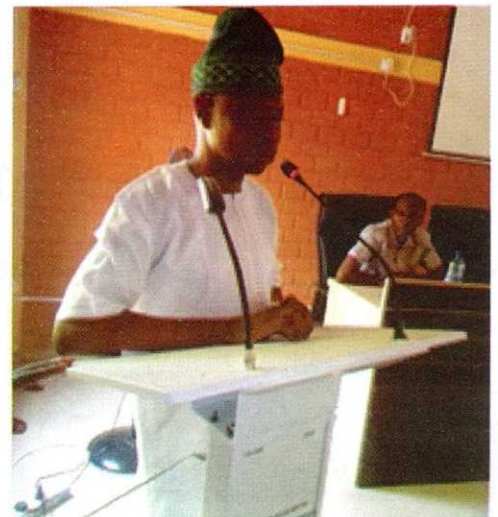
Until his retirement, Builder Kareem as he is fondly called by friends and colleagues served and rose to the rank of a Deputy Director with NBRRI at the NLC, Ota office and also the Head of the Consultancy and Extension Services Department, NLC, Ota.

Appreciating the selfless services rendered by Builder Kareem to the Institute during his years of service, the coordinator of NLC, Ota Dr. C. C. Osadebe who spoke on behalf of the DG/CEO of the Institute Engr. Prof. Samson Duna stated that the good working relationship and the great joy that Builder Kareem showed with members staff of his department and the institute cannot be

forgotten. He called on him not to relent in his services to humanity and that retirement from active service is not retirement from life functional services. He urged him to make good use of his God given potentials to establish something profitable for himself and family.

Most of the staff and heads of departments who spoke echoed sounds of praises on him for he is a man of the people. He was greatly celebrated as gifts were presented to him by various departments and individual staff.

The atmosphere was filled with mixed feelings of a happy ending of service year from the Federal Civil Service and a sad one of 'we shall miss your fatherly role and advice' on 25<sup>th</sup> March, 2022 at the Nigerian Building and Road Research Institute's National Laboratory Complex, Ota, Ogun State when the Management and Staff of the institute in Ota celebrated Mr. Babatunde Oladapo, Head Procurement, Maintenance and Physical Planning Department, Ota office in a well-organized sent-forth party of his dutiful retirement from the Federal Civil Service under the services of the Nigerian Building and Road Research Institute (NBRRI).



The occasion which was graced by all Heads of Department and Staff at the NLC, Ota office was a remarkable day of songs of praise on the personality of Mr. Babatunde Oladapo. Notable of the words rendered were the insinuations by most speakers who emphasized the fact that Mr. Babatunde is a man of the people, non-tribalistic and non-religious sentimental personality.

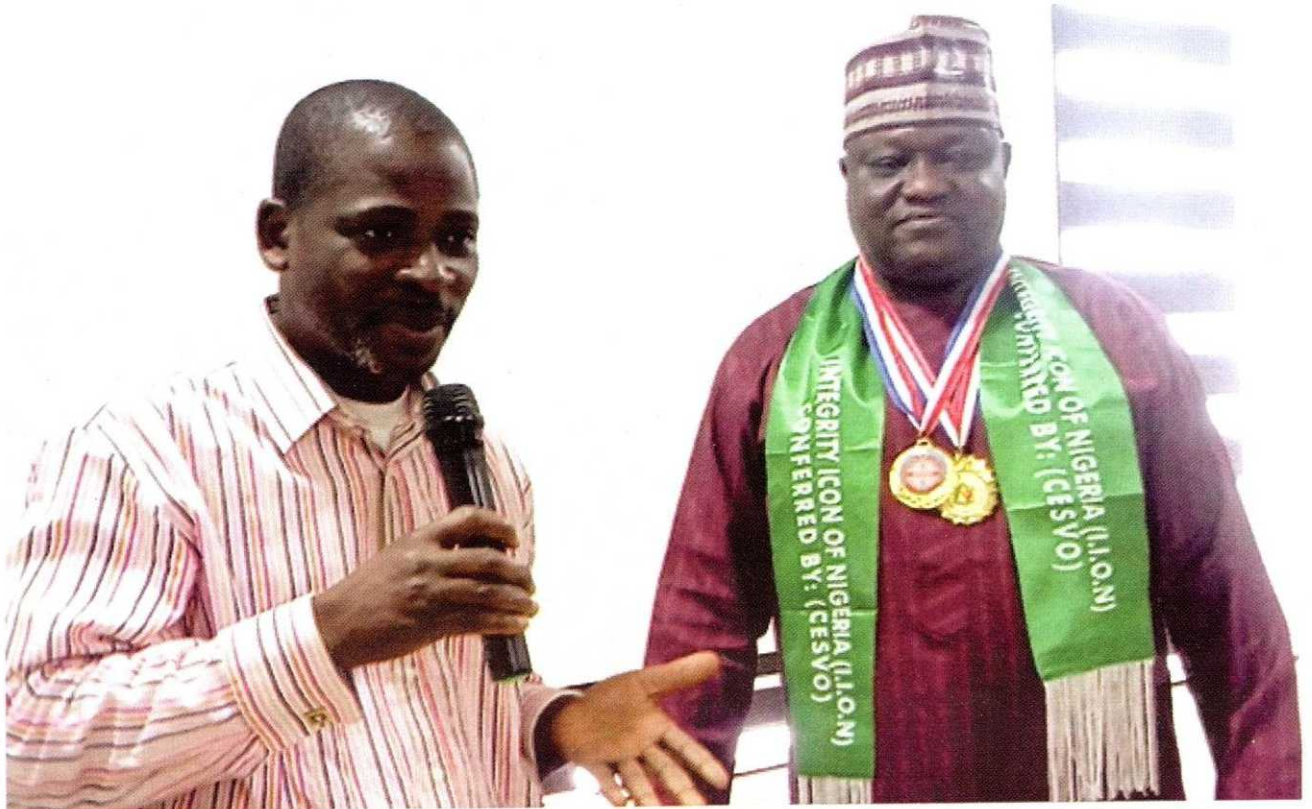
Addressing the celebrant and the entire staff at the occasion, Engr. Dr. Friday Apeh who ably represented the Coordinator of NLC, Ota, Engr. Dr. C. C. Osadebe and also the DG/CEO, Engr. Prof. Samson Duna stated that the level of love, care, dedication and humanitarian services rendered by Mr. Babatunde in his years of service with NBRRI is worth emulating by all. He encouraged him to keep up his selfless services to humanity and to strive in representing his good personality no matter the circumstances he may find himself. He then advised staff to emulate the good nature of Mr. Babatunde in service delivery and dedication to duty.



With a heart full of joy for the show of love he received, Mr. Babatunde thanked the DG/CEO, Coordinator NLC Ota and the general staff of NBRRI for their, love, kindness and well wishes received. He prayed that God should bless everyone accordingly. He then in his closing remarks advised that every staff should prepare for retirement before it comes by doing something productive which will bring food to their table after retirement.



# RIGAN BESTOWS GOLD MEDAL ON NBRRI DG



National PRO of RIGAN, Mr. Amos Tabe presenting the medal to NBRRI DG Prof. Samson Duna

**F**or his unflinching support to sports, the Executive of the Research Institute Games Association of Nigeria (RIGAN) has bestowed a gold medal on the DG/CEO of the Nigerian Building and Road Research Institute, Prof. Samson Duna. Performing the ceremony, the representative of the National President of RIGAN, Mr. Amos Tabe, on behalf of the association used the occasion to present the 2021 RIGAN games posters and fliers to the DG and also to formally inform him of the preparation of the forthcoming games festival to be hosted by Raw Materials Research and Development Council in March 2022 in Abuja.

Mr. Tabe, who is the National PRO of the association, stated that the DG

Responding to these honours and awards, Prof. Duna expressed his heartfelt joy to both organizations and dedicated the awards to all staff of NBRRI stating that without the hard work and selfless Services of the staff of the institute, such honour wouldn't have come his way. He then encouraged all staff not to relent in their good services for the betterment of the institute and development of the country.

Prof. Duna also, appreciated RIGAN for the honor and promised to continue to uplift the ideals of the Association during his tenure as the Director General.

# RIGAN GAMES: NBRRI BAG MEDALS

The 17<sup>th</sup> edition of the RIGAN Games Festival which was hosted by Raw Materials Research and Development Council (RMRDC) was held on 14<sup>th</sup> - 20<sup>th</sup> March, 2022 at the Moshood Abiola Stadium Abuja. The 10-day sporting fiesta saw all participating institutes battled for trophies and medals. About 2,500 sportsmen and women from about 22 Research and Development institutes across the country participated.

The Honourable Minister of the Federal Ministry of Science, Technology and Innovation Dr. Ogbonnaya Onu revealed at the opening ceremony which began with fanfare and a whole lot of excitement on Monday 14<sup>th</sup> March, 2022 inside the Old Parade Ground Abuja, that the RIGAN Games is aimed at discovering burden talents and that the event is also a strong point of unity, peace and diversity as the strength and pillar of Nigeria.

The Minister who was ably represented by the Honourable Minister for State, Federal Ministry of Science, Technology and Innovation, Barr. Mohammed Abdullahi, said the major Objective of the RIGAN Games was to showcase the brilliant Nigerian spirit of unity by bringing all research and development institutes together from different ministries. The Ministries which participated includes Ministry of Science, Technology and Innovation, Ministries of Environment, Health, Education, Agriculture, Sports and Youth Development, National Planning Commission and several others, domiciled in different parts of Nigeria.

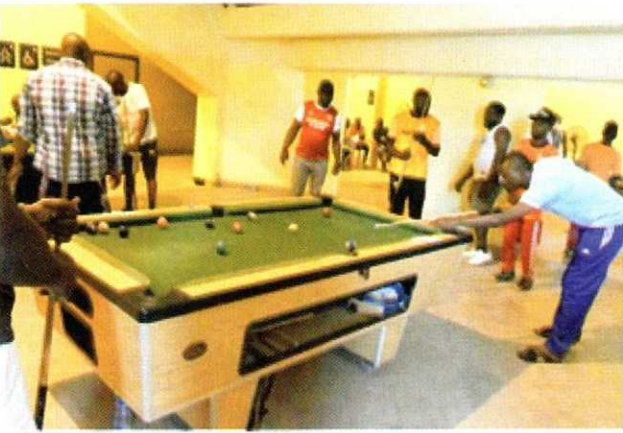
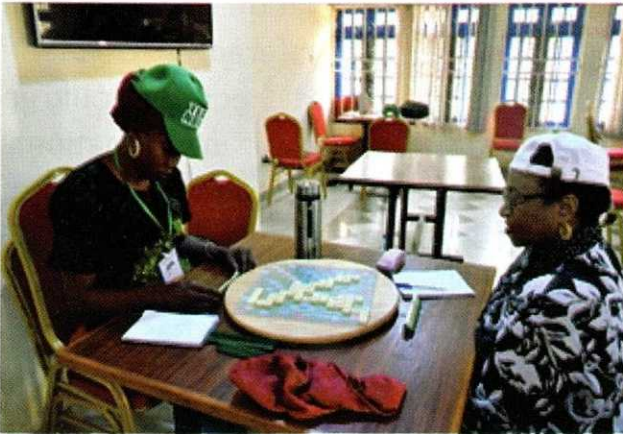
Also speaking, the National President of RIGAN, Prof. Oluwaferanmi Owolade explained that this year's edition would go a long way in producing more national stars of great personalities in the likes of Coach Austin Eguavoen and others to represent Nigeria outside the country. He also stated that the game has exposed hidden talents for possible national assignments in the field of sports. He mentioned that the games will bring about sound mind and physical fitness required for attaining the goals set for research and development institutes and respective functions.

Speaking at the event, the Director General/Chief Executive Officer of NBRRI, Prof. Samson Duna, wished all the athletes the best of luck and he encouraged them to make their various institutes and agencies proud.

About 86 NBRRI Staff from NBRRI's zonal offices and Head office participated in games like track and field events such as short put, race, and indoor games like scrabble, Ayo, Chess, Darts, Draft amongst others. NBRRI won 4 gold medals, 4 silver medals and 8 bronze medals making it a total of 16 medals. The competition ended with NBRRI coming 7<sup>th</sup> out of the 22 Institutes that participated.

The DG/CEO congratulated NBRRI Staff on their position and efforts during the games and hoped that they would do better than this at the next RIGAN Games. He also wished them journey mercies to their various destinations.

# RIGAN GAMES IN PICTURE



# SOCIAL DIARY BIRTHS



**BABY BELLA DIAMOND OFURE**  
BORN ON 27TH FEBRUARY, 2022 TO THE  
FAMILY OF MRS. OKONUFUA  
ENDURANCE OF RRD, OTA



**BABY EDMUND EZEKIEL,  
DARAINA**  
BORN ON 18TH MARCH, 2022 TO THE  
FAMILY OF MR. EZEKIEL PETER OF  
CES DEPARTMENT, JOS OFFICE



**BABY EKECHI KAMSI JESSE**  
BORN ON 13TH FEBRUARY, 2022 TO THE  
FAMILY OF MRS. CHRISTIANA  
NWAFOR OF SLT DEPT, OTA

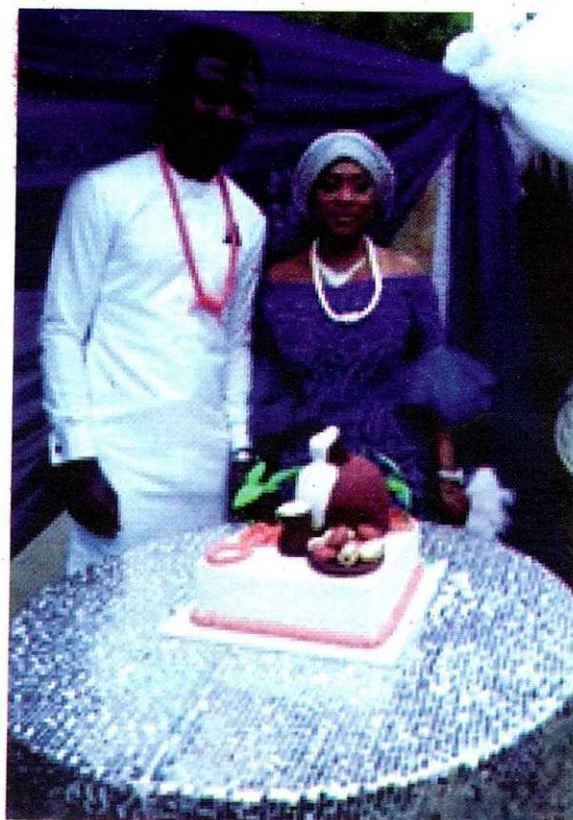


**BABY MUFIDA U NATA'ALA**  
BORN ON 11TH JANUARY, 2022 TO THE  
FAMILY OF MR. MOHAMMED USMAN  
NATA'ALA OF CESD, KANO OFFICE

## WEDDINGS



**MR. OSUORJI GIDEO  
OF RRD, OTA MARRIED FORMER  
MISS. DEO-AGAMU ESTHER  
ON 3RD OCTOBER 2020**



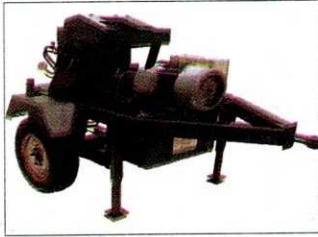
**MR. AIKPEHEA ITUA  
OF A/F DEPT, OTA MARRIED  
FORMER MISS. ABRAHAM OBULAMA  
ELIZABETH ON 29TH AUGUST 2020**

# NBBRI TECHNOLOGY MACHINES

## NIGERIAN BUILDING AND ROAD RESEARCH INSTITUTE (NBBRI) (Federal Ministry of Science, Technology and Innovation)



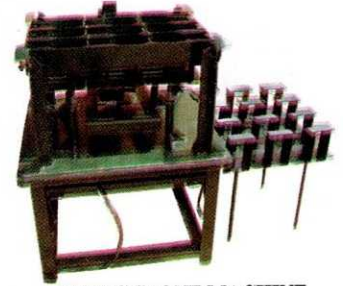
MEETING YOUR LOCAL CONTENT NEEDS IN CONSTRUCTION  
Some Tested R&D innovations from NBBRI currently used in affordable  
Housing delivery and Road construction in Nigeria.



ELECTRIC INTERLOCKING MACHINE



INTERLOCKING BLOCKMAKING  
MACHINE (DIESEL)



PAVING STONE MACHINE



FCR TILE MAKING MACHINE  
(MULTI-CHAMBER)



NBBRI COMPACT INTERLOCKING BLOCK MAKING MACHINE



ROAD FAILURE ASSESSMENT



CONSTRUCTION OF RURAL ACCESS ROAD



ASPHALT MAT



HAND ROLLER  
COMPACTOR



IMPROVED NBBRI TECHNOLOGY (MOVEABLE STOREY BUILDING)



NBBRI POZZOLANA PLANT, OTA



NBBRI SKILLS ACQUISITION CENTRE



NBBRI MOVEABLE HOUSE (DUPLEX)

# Promoting Alternative Indigenous Technology

## **Other Services Provided:**

- Engaging in regular R&D in the construction industry.
  - Conducts training programmes on the use of alternative technologies in affordable housing delivery and road construction to professionals and tradesmen.
  - Consultancy and Advisory Services on all aspects of the construction industry including site investigation, soil testing land use planning, building road design, construction and maintenance, housing delivery and estate development, etc.
  - Community-Based Construction and Maintenance of Feeder/Access Roads.
  - Organizes annual conference/workshop on topical issues as it relates to the construction industry
  - Investigation of collapsed building across the country and other research findings.
- (The reports can be purchased at any of the NBRRI offices across the country)

For more information, please contact:

**DIRECTOR-GENERAL/CEO, NBRRI**

**ENGR. PROF. SAMSON DUNA, FNICE, MNIEM, RE(coren), FNAEGE, FNSE**

**ADMINISTRATIVE HEADQUARTERS:  
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Off Chief Obafemi Awolowo Way  
Jabi, Abuja**

**NATIONAL LABORATORY COMPLEX & Pozzolana Production Centre**  
Km 10, Idiroko Road, P.M.B 1055, Ota, Ogun State

**NATIONAL CENTRE FOR CRAFTSMAN & Pozzolana Production Centre**  
Bot - Bokkos, Km 5, Bokkos - Mangu Road, Bokkos, Plateau State

## **ZONAL OFFICES/ OFFICES:**

### **South West:**

15, Awolowo Road, Ikoyi  
P.M.B 12568, Ikoyi,  
Lagos State

### **North West:**

Plot 124, Block 5 Katsina Road  
P.M.B 558, Kano, Kano State

### **South- South:**

Plot 14, Ubi Inyang Street,  
Akwa Housing Estate,  
Off Abak Road, Uyo  
Akwa Ibom State

### **South East:**

Plot 750, Nnewi Okigwe Express way,  
P.M.B 5070, Nnewi,  
Anambra State

### **North Central:**



No 2, Wase Road  
GRA, Jos, Plateau State

### **North East:**

Sharo Road, New G.R.A  
Opposite Conoil, Gombe  
Gombe State.

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NBRRI HOUSE

 **NIGERIAN BUILDING AND ROAD RESEARCH INSTITUTE**  
FEDERAL MINISTRY OF SCIENCE AND TECHNOLOGY  
Head Office Complex, Laboratories & Training Centre 

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