

Curriculum Vitae



1. Full Name: Aliyu Mohammed Magana
2. Date and Place of Birth: 3rd May, 1961, Bida Town
3. State of Origin: Niger State
4. Nationality: Nigerian
5. Marital Status: Married
6. Number of Children: Eleven
7. Permanent Home: No. K.8 Jaoji Housing, Estate, Gyadi –Gyadi,
Zaira Road, Kano.
8. Phone Number: 08037864624, 08023147410

8. INSTITUTIONS ATTENDED WITH DATES

- i. Ganduh Nassarawa Primary School, Kano 1967 – 1973
- ii. Federal Government College, Kano October 1974 – July, 1979
- iii. School of Basic Studies, A.B.U. Zaria August 1979 – July, 1980
- iv. Department of Building, A.B.U. Zaria October 1980 – July, 1983
- v. Department of Building, A.B.U Zaria January 1985 – August,
1987
- vi. Study visit to the Department of Architecture
Technical and Urban Planning University of Trieste,
Italy, for a research work in Housing Development.
The visit was Under the supervision of Prof. Roberto
Costa. September – October 1992

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| vii. | Study visit to the Department of Civil Engineering University of Newcastle Upon Tyne U.K, for an ongoing research work in Construction Quality. The visit was under the supervision of Dr. Steven Scott. | April 1994 – December 1994 |
| viii. | Department of Civil Engineering, Bayero University Kano | 2000 – 2005 |
| ix. | Department of Civil Engineering, Bayero University Kano | 2012 - Date |

9. QUALIFICATIONS OBTAINED WITH DATES

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|------|---|--------------|
| i. | Primary School Certificate | July, 1974 |
| ii. | W.A.S.C | July, 1979 |
| iii. | I.J.M.B | June, 1980 |
| iv. | B.Sc. Building | July, 1983 |
| v. | M.Sc. (Construction Management) | August, 1987 |
| vi. | M.Eng. (Civil Engineering, Structures Option) | March, 2006 |
| vii. | PhD (Civil Engineering) | Current |

10. WORKING EXPERIENCE AND RESPONSIBILITIES WITH DATES

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|------|--|--|
| i. | Standard Construction, (SCL), Kano. | August 1982 – Dec. 1986- Site Engineer |
| ii. | Pannel Kerr Foster Chartered Accountants, Kano | January 1987 – April 1988 - Audit Trainee |
| iii. | Giwarite Ltd, Kano (Fiber Cement Roofing Sheets and Ceiling Board Manufactures | May – April 1980 Depot Manager, Kaduna |
| iv. | Bayero University Kano | 1989 – Date - Teaching and Research |
| v. | Wuro Associates, Engineering and Project Management Consultants, Kano. | 1989 – 2002 - Partner |
| vi. | Bakabo Nig. Ltd Building and Civil Engineering Construction Co, Kano | 1993 – 2002 - Executive Director |
| vii. | Hammite – Tek Nig. Ltd, Engineering and Project Management Consultancy and Construction, Kano. | 2002 – Date - Managing Director |

11. PROJECTS EXECUTED

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| i. | Bayero University, Kano Permanent Site along Gwarzo Road – worked as a Pupil Site Engineer on Training during my SIWES Programme with SCL in | 1982 |
| ii. | High and Medium Income Earners Housing Estate (32 Nos) for Federal Housing Authority in Sharada Phase III also in Kano still with SCL Ltd | 1983 – 1983 (N.Y.S.C) |
| iii. | Construction of Internal Concrete Road-Pavements and Parking Area, Incinerators, Canopy and other Extension Works at Nigeria Cable Manufactures Ltd, also in Sharada Phase III Kano – SCL | 1985 |
| iv. | Construction of a warehouse in the above mentioned factory still with SCL | 1985 |
| v. | Construction of block wall fencing and temporary offices for NNEPA along Tiga Roadn the Municipality in Kano SCL | 1985 |
| vi. | Private residential housing units along Sokoto Road in Kano, for SCL Staff and other clients | 1985/86 |
| vii. | Block wall fencing around the NEPA Transmission Stations at Kofar Dan’agudi and Gaya Road respectively in Kano Municipal, SCL | 1985/86 |
| Viii | NEPA Permanent Office Structure (Multi-Storey Project) along Niger Street also in Kano Municipal, SCL | 1986 |
| ix. | Construction of New Ward Extension/Doctors’ Offices at Interior Hospital Hotoro, Kano – Private | 1987 |
| | Design Works, Supervision and Management of various Projects for WURO Associates, Prominent projects executed here incude: | 1991 – 1999 |
| | - Nigerian Defence Academy (NDA) | 1989 – 1993 |
| | Permanent Site, Mando Kaduna. | 1989 – 1992 |
| x. | - Senior Staff Housing Scheme for the Nigerian Ports Authority at Abuja. | 1993 – 1995 |
| | - Residential Complex for Alhaji Aminu Dantata at Koki Quarters in Kano Municipal. | |
| | - Science Complex, Federal College of | 1995 |

Education, Kano.

- Rehabilitation of Kaduna Polytechnic under the National Health and Educational Institutions Rehabilitation Programme funded by the Petroleum Trust Fund (PTF)

Co-ordination, Management, Supervision and Execution of all projects handled by Bakabo Nigeria Ltd, a Building/Civil Engineering Construction Company in Kano. Responsibilities include Pre-tender, tender, pre-contract and contract planning and execution of works. Other functions include material specification, purchase and use, quality assurance and management of all the works, staff recruitment, maintenance and usage of all construction plants, machinery and equipments prominent projects executed here include:

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| xi. | <ul style="list-style-type: none"> • Construction of 32km feeder (access) roads and drifts at different locations for the Kebbi State Agricultural and Rural Development Authority (KARDA). Activities here involved site clearance, survey, grading and improvement of the sub-grade including cutting and filling operations laying and compaction of the sub-base and base layers accordingly. | 1997. |
| | | 1988 |
| | | 1999 |
| | <ul style="list-style-type: none"> • Misau – Maladumba Road, 6.7km for the Bauchi State Agricultural Development Programme (BSADP) N – 5.4m. | 1997 |
| | <ul style="list-style-type: none"> • Bajoga – Ashaka – Nafada Road, 11km for the Gombe State Agricultural Development Programme (BSADP) N – 9.65M. | 1997 - 1998 |
| | | 1997 – 998 |
| | <ul style="list-style-type: none"> • Charanci – Safana- Magamar Ajiwa – Ajiwa – Kurabau road, 12km for the Katsina State Agricultural and Rural Community Development Programme (KSACDP – IFAD) Kastina N 3.82m. | 1996 |
| | | 1998 |

- Drilling of the following Boreholes by washing boring under the National Fadama Irrigation Programme.
 - 3300 wash bores at different locations across KebbiState(KARDA) N 19M.
 - 1600 wash bores at different locations across Bauchi State (BSADP) N 9.5M.
 - Completion of Yobe State Agricultural Development Programme Headquarters Complex (YOSADP H.Q) at km 5 Biu Road, Damaturu N48m.
 - Completion of works in Phase II for the Science Complex Project, Federal College of Education Kano. N34.29M.
 - Construction of Secretariat Complex for Guri Local Government Council, Jigawa State N24m
Feasibility Studies, Design and Detailing, Construction Supervision, Project Monitoring, Evaluation and Progress Report and Peer Review of the following Engineering Projects for Hammite – Tek Nig Ltd.
 - Ibrahim Badmasi Babangida University Permanent Site Development at Lapai in Niger State. involved as the Civil/Structural Engineering Component of the Project Management Team (PMT) N2.5BN 2005 – 2007
- xii. .
- Sumaila – Falali – Rimi Towns Flood/Erosion Control Project in Sumaila Local Government Council in Kano State for the Ecological Fund Office in the Presidency N 129M. 2005 - Date
 - 2007 – Date
 - Civil/Structural Engineering Consultant for the Construction of Branches Development for First Bank of Nigeria Plc across the North in Nigeria. Over 35 branches have so far been constructed in this respect.

- Construction and or Rehabilitation/Renovation works of the following projects for Hammite Tek Nig. Ltd.
- Drilling of motorized bore hole (approximate depth 50m with elevated 5000 gallons over head tank on structural steel tower submersible groundfos pump, 22KVA Generator and all the necessary accessories at Federal Government Girls College Onitsha, Anambra State under the National Rural Water Supply Scheme. Client – Federal Ministry of Agriculture and Water Resources N16.413m. January – July 2008
 - xiii. • Construction of office block for the Physical Planning Department and Maintenance office of Bayero University, Kano N17.91m. 2008 – 2009
 - Construction of a block of 2 classrooms with office and store at Suleja for the Niger State Universal Basic Education Board N3.25m. April – July 2008
 - Rehabilitation of Staff Quarters at Government Girls College Dala, Kano (contract No. MOE/SMTB/168/2008). Client Ministry of Education Kano State N44.664m. 2008
 - Construction of classroom block in Niger State under the quick wins MDGs projects and programme. Client Office of the Senior Assistant to the President (MDGs) N8.1m
 - xiv. Planning, Estimation, Supervision and General Management of Various projects executed by Bakabo Nig. Ltd as the Executive Director.
 - xv. Planning, Estimation, Supervision and General Management of Various projects executed by Hammite Tek. Nig. As the Managing Director.

12. EXTRA – CURRICULA ACTIVITIES

12.1 DEPARTMENTAL ASSIGNMENTS

- i. Level Coordinator 1999 - 2006
- ii. Departmental Examinations Officer 2002 - 2006

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| iii. | Departmental Admissions Officer | 1999 – 2006 |
| | Chairman, Department Syllabus Drafting Committee Management Option) for the | |
| iv. | proposed postgraduate programmes including Master of Engineering and Post Graduate Diploma in Civil Engineering | 1999 |
| v. | Member, Departmental Syllabus Committee on Construction Technology Management | 1991 Date |
| vi. | Member local building/construction material research group, department of Civil Engineering, Bayero University, Kano | 1990 – 1995 |
| vii. | Member, Departmental Task Force Committee on N.U.C. Accreditation visit. | 1991 |

12.2 FACULTY ASSIGNMENTS

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|------|--|---------------------------|
| i. | Faculty Representative to Faculty of Social and Management Sciences, Bayero University, Kano | 1990 – 1992 – 1998 - Date |
| ii. | Member, Faculty Examinations Malpractice Committee | 1992 |
| iii. | Member Task Force Committee on Assets Registration, Faculty of Technology, Bayero University, Kano | 1990 |

12.3 UNIVERSITY ASSIGNMENTS

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|------|--|-------------|
| i. | Member University Housing Committee | 1991 – 1992 |
| ii. | Member, Task Force Committee on Abandoned Project V.C.S Appointment Bayero University Kano | 1990 - 1992 |
| iii. | Member, University Ad-hoc Committee on Review of Standards Guide on Cost of Building Materials to all Universities by the N.U.C. | 1991 |
| iv. | Member, University Staff Housing Loan Committee | 1999 – 2003 |

- v. Consultant to Bayero University Consult, for 2000 - 2002
the Management and Supervision of the
Universal Basic Education (UBE) Classroom
Construction Projects responsible for
Kano/Jigawa States, respectively

12.4 Other assignments outside the university

- Member, West African Examinations Council
(WAEC) International Syllabus Review Panel
on Senior Secondary School Certificate
Examination (SSCE) in Building 1990 – 1992 – 1998 - Date
Construction held at Kaduna, Lagos and
Accra – Ghana, respectively
- i.
- ii. External Examiner, department of Building, (1990-1992)
Kano State Polytechnic

13. ACADEMIC RESPONSIBILITIES (COURSES TAUGHT)

13.1 Undergraduate Programmes (B.Eng)

- i. CIV 5412 Construction Management 1989-1994
- ii. CIV 5401 Construction Management & Economics II 1994-Date
- iii. CIV 5601 Project 1995-Date
- iv. CIV 5201 Construction Management & Economics I 1994-Date
- v. CIV 4304 Civil Engineering Practice 1992-1994,2011-Date
- vi. CIV 3301 Principles of Construction 1994-2007
- vii. CIV 3308 Strength of Materials 1992-1994
- viii. TEC 3101 Engineer in Society 2006-2011
- xi. TEC 2202 Solid Mechanics II 1989-1993

13.2 Postgraduate Diploma Programm (PGDCE)

- i. CICIV 7328 Accounting and project Finance 2004-2008
- ii. CIV 7325 Business & Construction Economics 2004-2008
- iii. CIV 7225 Construction Law 2004-2008
- iv. CIV 7205 Civil Engineering Materials Current

- v. CIV 7206 Construction Management Current
- vi. CIV 7303 Civil Engineering Practice Current

13.3 Masters in Engineering program (M.Eng)

- i. CIV 8337 Production Control 2004-2005
- ii. CIV 8336 Quantitative Techniques 2004-Date
- iii. CIV 8335 Construction Planning & Scheduling 2005-Date
- vi. CIV 8301 Construction Methods and Project Management Current

14. Publications

- i. “Tendering procedure and systems in the Nigerian Construction Industry: A case study of Kano State”. (1992). A paper presented at the Nigeria Society of Engineers, Conference held of Bagauda Lake Hotel, Kano.
- ii. “General Principles of Building Management in Public Works: (1999) Proceedings of workshop on “Effective Planning Supervision and Management of Public/Civil Engineering Works and Infrastructure” for Kano State Local Government Works Department Employees.
- iii. “An evaluation of Admixture potential of Katsi in Concrete” (2011). Paper Submitted for publication in the journal of Engineering and Technology, B.U.K.
- iv. “Integration of total Quality, Management Principles in Local Government’s Project Execution in Nigeria”. (2011) Paper submitted for publication in the journal of Engineering and Technology, B.U.K
- v. “Assessment of Quality related attributes of project managers for successful construction project execution in Nigeria” (2011). Paper submitted for publication in the journal of Engineering and Technology, B.U.K.
- vi. “Properties of concrete using Rice Husk Ash/line as a partial Replacement of cement in Concrete: (2011) Paper accepted for publication in the journal of Engineering and Technology, B.U.K

15. TECHNICAL REPORT

- i. Report on the assessment and checking of the adequacy of all structural engineering designs submitted by the individual design consultants for the proposed I.B.B University, Lapai in Niger State (Preliminary and Final Report). December, 2005, and March, 2006 respectively.
- ii. Preparation of tender and contract documents for works on the proposed flood/gully erosion control projects in Sumaila-Falali-Rimi towns, respectively, submitted to Hadejia, Jama’are River Basin Development Authority on behalf of the Federal Ministry of Intergovernmental Affairs, Special Duties/National Committee on Ecological Problems – Abuja Jan. 2006.
- iii. Report on the design and specifications of proposed works for the repair and control of flood/gully erosion problems in Sumaila – Falali – Rimi towns

respectively, in Sumaila Local Government Area of Kano State, submitted to the Federal Ministry of Intergovernmental Affairs, Special Duties/National Committee on Ecological Problems through Hadejia, Jama'are River Basin Development Authority, Kano Jan. 2006.

- iv. Design and detailing of structural engineering drawings of various branch offices in the North, for First Bank of Nigeria Plc. 2007-Date.

SOME UNDERGRADUATE THESIS SUPERVISED

- i. An investigative study of the planning and scheduling techniques used by Nigeria Civil Engineering Contractors in Kano (2 Students) Adam Sidi Aliyu and Nasiru Ahmed Bello 1995/96
- ii. An investigative study of Project Management Failure Pattern in Kano Balarabe A. Sabo 1995/96
- iii. An Investigative study of Quality Assurance Systems used by contractors in Kano State Sabi'u Muhammad Dan-Mallam 1997/98
- iv. An assessment of Quality of Project Designs using Site instruction Ibrahim Usman Dederi 1994/95
- v. Investigative study and analysis of the Trend and Generation of Construction Waste on Building Sites in Kano Metropolis. Nasir Shu'aib Hassan 2004/2005
- vi. Assessment of Solid Waste Collection and Disposal Systems in Lagos State. Adewunmi Rukayyat Omowunmi. 2004/2005
- vii. Environmental Impact Assessment of using ponds as Solid wastes Dumping Sites in Kano Metropolis. Ahmed Abba 2004/2005
- viii. The use of quarry dust as a pozzolana for partial replacement of cement in cement sand mortar. Fatima Yusuf Abubakar 2004/2005
- ix. Assessment of Labour Productivity in Construction Industry in Nigeria (A case study of Kano and Kaduna States). Abubakar Abubakar 2004/2005
- x. Liquid Waste Disposal Practices and Impact Assessment on ground water quality in Kano Metropolis (A case study of Gwagwarwa area of Brigade Quarters). Abubakar Sadiq Usman 2004/2005
- xi. An Evaluation of the Performance of Civil Structural Engineering Consultancy Firms in Nigeria. Ketchadji Nouyep Eric Herve 2004/2005

16. PROFESSIONAL MEMBERSHIP

- i. Member, Nigeria Institute of Building
- ii. Member Nigerian Institute of Management
- iii. Member Nigerian Society of Engineers
- iv. Registered Engineer COREN

17. PRESENT EMPLOYER

Department of Civil Engineering, Faculty of Technology, Bayero University Kano.

18. AREA OF SPECIALIZATION/INTEREST

Construction Planning and Scheduling

Project Management.

Construction Technology.

Project Costing and Estimation.

Total Quality Management (TQM)/ Quality Circles in Construction,

Construction Production Control.

Reinforced Concrete Bridge Design and Construction.