**Curriculum Vitae**

**I. Personal Details**

Title: WaSH-MIS Individual Consultant

Name: Jifara Dabessa Gemechu

Date of Birth: 26 July, 1973

Nationality: Ethiopian

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**II. Education background**

**Remote sensing and Geoinformatics and Computer science** from Addis Ababa University & **water resources engineering** from Arba Minch University

**III. Employment History**

Employed Ministry of Water and Energy working Water supply, sanitation and Hygiene(WaSH) Information Management System Individual Consultant.

**October 2019 to October 2024 -** WaSH-MIS Individual Consultant

**Major Activities**

* Develop, management, analysis and maintain data collection templates and databases as required.
* Ensure that MSIE staffs are used MIS solution based on quality and safety standards.
* Propose design of information system tools and ensure implementation.
* Manage and maintain data ware house of the MoWE , Identify new system that will support MIS data management system and prepare problem identification concept note including development of trouble shooting manuals.
* Support WaSH MIS and other Directorates under the commission in creating a framework and procedures for the monitoring and evaluation of project activities.
* Support project / Program staff on ways to properly document, organize and capture program progress.
* Review the performance of existing MIS s and identify potential modifications or resources.
* Ensure regular and consistent updating of MIS service status reports and assistance delivery via appropriate software/platform.
* Generate summary statistics, and rapid and initial analysis and findings from databases, M&E datasets and /or other sources of data to support data requests from WaSH colleagues.
* Draft tools and their revisions and as well as data collection procedures under the supervision of WaSH MIS director ( eg. Logical framework, project performance tracking, indicators, data flow chart, M&E manuals).
* Conduct periodic data quality assurance at field level and routinely on monthly basis remotely.
* Ensure proper data use among WaSH staffs.
* Manage data harmonization among major sources of information.
* Analyze and interpret MIS data regularly and share findings.
* Conduct secondary data analysis from various data sources like data warehouses, call centers applications, data winners, apposite server etc.
* Responsible for the rollout of any new reporting initiatives.
* Alert the directorate and other staff with analysis and interpretation to ensure key milestones of WaSH development are always on the right track.
* Verify reporting figures for quarterly and annual reports (or any other time frame as required), ensuring that reported best match with sources of information.
* Develop maps using ArcGIS and conduct spatial data analysis at various administration levels.
* Research and Innovation.
* Conduct training for MIS and other technical staff under the commission and regional level and ensure proper cascading of the same to the lower level.
* Attend relevant meetings and represent WaSH MIS directorate and in various platforms as deemed necessary.
* Ensure back and organization of all data and information sources( hard copy, soft copy)
* Carryout other tasks assigned by the directorate.
* Provide training to WaSH MIS /M &E staffs on various topics including data capturing, data verification, analysis, visualization, storage and demo for new system.

**Employed by Oromia water and Energy Resources Development Bureau and working as;**

**October 2009- October 2019 Contract Administrator and project manager**

**Activities**

* Contract administration of Urban and MDG program water supply projects
* ***Construction, drilling, EM supply and installation, Pipe and fittings supply & installation***
* Contract administration of OneWaSH Construction Projects (Welenchiti, Abomsa and Sheno towns), financed by IDA&Unicef.
* Contract administration of development corridor water supply projects.
* **Adama town water supply project manager**; ***River intake expansion, Treatment plant optimization, EM (raw & clear water pumping stations) & Pipe works, transmission main pipe works, reservoir construction( 4000 m3), distribution network, balancing reservoir(1500 m3) .***
* **Kibremegis-Shakiso town water supply construction project manager**; *River intake, raw water pumping station, aeration system, sedimentation, sand filter, clear water storage and pumping station, transmission main, 1500 m3 (2) reservoir, gravity main, distribution networks and water points(world bank financed).*

**August 2008- September 2009** …… **GIS and System Administrator**

**Activities:**

* Database establishment(departmental) and management
* Regional Water schemes(points) distribution mapping
* Water quality mapping
* Rift valley area fluoride concentration 2009mapping
* Regional Water supply coverage mapping
* Water schemes inventory and database design
* Contract administration of development corridor water supply projects.
* Adama town project manager
* National WaSH Inventory training for Woredas
* Water resources database design
* Water points(schemes) database design
* Water quality database design

**July 2002- December 2005 .** Water supply and sanitation desk head, Chancho

District.

. Technical specialist rural water supply sanitation

and hygiene (**WaSH**) program.

**July 2001-June 2002 .** Site engineer of Kuyyu District, rural water supply

Sanitation schemes construction funded by IDA.

Construction engineer of Gebre Guracha town

Water supply expansion work (150 m3 reservoir, spring

Capping, cattle trough, pipe laying and shade

Construction), in north Shewa zone.

**January 2001-June 2001 -** Construction engineer of Mulo and Fital town

Water supply construction workin north shewa zone.

**July 1997-December 2000** - Head Fitche town,north shewa zonewater supply

Service head and construction supervisor of;

* Ejere town Water supply construction
* Study and Design of rural water supply.

**July 1996-June 1997** -Site engineer of Teltelee irrigation project

(Construction of weir,canal,drop and off-take structures).

**February 1996-June 1996** - Aide water engineer of Lami irrigation project.

**IV. Language Skills:**

Good command of written and spoken English, Oromiffa and Amharic.

**V. References**

1. Kebede Gerba (Hydro geologist, PhD) works at MoWE

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1. Debebe Muleta (Hydro geologist, MSc) works at AAWSSA project office

Mobile: 251 911677715

Addis Ababa

**VI. Training and Certifications**

* ***Cartography****(from ESRI)*
* ***GIS for climate action****(from ESRI)*
* ***Spatial Data Science: The New Frontier in Analytics****(from ESRI)*
* **Transform AEC Projects with GIS and BIM***(from ESRI)*
* **Python powered data analytics***(from AAU)*
* *Water Resources potential mapping(by Unicef)*
* *Water Quality Mapping(MoWE)*
* *Contract administration(EMI)*
* *Water resources management(OWB)*
* *AWD emergency-Response*
* *Application Software and programming languages(****Autocad, Watercad & GEMS , ArcGIS, Kobo ToolBox, QGIS, SAGAGIS, SPSS, Epi Info 7, Tableau, ENVI, ERDASIMAGINE, SQL, JAVA Programming, R & Python program. C++, JAVA Script, Surfer****).*