

# **CURRICULUME VITAE (C.V.)**

## **A. GENERAL INFORMATION:**

Name : Ahmed Mohamed Ali Abu Sin  
Age : 60 Years  
Social Status : Married & Father  
Physical Address : Haye Al Andalos, Wad Medani, Sudan.  
Tel : +249 122 178907  
E.mail : ahmedabusin@yahoo.com

## **B. ACADEMIC QUALIFICATIONS :**

- Diploma in institutional management, Institute of administration, UK, 1985.
- Post – graduate diploma in irrigation engineering, Southampton University, U.K, 1985.
- B.Sc. civil engineering, faculty of engineering, University of Khartoum, 1980.

## **C. TRAINING SKILLS:**

- Diploma in computer (operation of number of programs)
- Training course at the head office of NOELL in Wurzburg, Germany.

## **D. WORK EXPERIENCE :**

**2011- 2014**

**POSTS:** DIRECTOR GENERAL, Financial & Human Resources Directorate, HRC.

**JOB RESPONSIBILITIES:**

Technical and administrative responsibilities of all the activities are summarized as follows:

- \* daily follow-up of all HRC units' different activities and works;
- \* preparation of financial budget and plans;
- \* preparation of periodic progress reports and annual reports;
- \* follow-up the organized and carried –out capacity building programs.
- \* preparation of maintenance and rehabilitation plans and follow-up the implementation of such plans;
- \* participation in the different HRC activities (seminars, workshops, technical meetings .... Etc. ) outside the center.

**2007- 2011**

**POSTS** : DIRECTOR OF WEST MANAGIL IRREGATION SCHEME

**JOP RESPONSIBILITIES** :

Total technical and administrative responsibility of all the activities summarized as follows:

- \* specify water needs for the project;
- \* Calculation of operation hours for irrigation units and issue direction of operation for the pump houses;
- \*regulate and distribute waters in accordance with the cultivated areas .
- \* running studies for the canals to specify quantities of silting and quantities of earth for embankments maintenance and the weed clearance area.
- \* running studies for irrigation installations to specify maintenance and rehabilitation works for these installations
- \* technical follow – up of all the works of irrigation sections
- \* measured and check quantities of work executed, checking and certifying interim certificates submitted by contractors.
- \* check and approve contractors, and issue payments certificates.
- \* examine the methods proposed by the contractors for execution of the work.
- \* give all necessary technical instructions to contractors at site;
- \* drafting monthly report of irrigation section

**2002 – 2007**

**POSTS** : DIRECTOR OF PROJECTS FOR IMPLEMENTATION AND SUPERVISION – MEDANI

**JOP RESPONSIBILITIES** :

(A) technical supervision of excavation and irrigation installations as well as other installations in the agricultural – development schemes .

- \* record and check the progress of work in comparison with agreed programs .
- \* measured and check quantities of work executed, checking and certifying interim certificates submitted by contractors.
- \* check and approve contractors, and issue payments certificates.
- \* check and approve contractors requests for materials from clients.
- \* examine the methods proposed by the contractors for execution of the work .
- \* give all necessary technical instructions to contractors at site
- \* record details of any deviations from working drawings made during the execution of work .
- \* carry out the preliminary and final hand over of work on behalf of the client .

During my stay in this dept , I participated in the following works :

- \* Asalaya Suger Extension .

- \* Sondus Agricultural Scheme .
- \* rehabilitation of Al Baraka Agricultural Scheme (irrigated from the Gezira Scheme) .
- \* excavation of the AL Ihaimrat link to the Gezira Scheme and construction of installations such as siphons and sluices .
- \* excavation of the New Kuraif canal in the Managil Extension and construction of the attached installations .
- \* rehabilitation works of the new major canal in Al Haj Abdalla
- \* modification of course of major canal of El Geneid Sugar Project and installation of R.S.G
- \* construction of traffic bridge in the Managil Canal .
- \* member of committee for solving irrigation problems during period of maximum water demands in Gezira Scheme.
- \*member of technical committee to analyze and evaluate Elrahad Block 10 Tenders technically financially and prepare technical and financial reports and submit to the Under Secretary Of Ministry Of Irrigation And Water Resources .
- \* member of technical committee to analyze and evaluate the new buildings design of M.O.I.A.W.Rs. and submit technical report to the Under Secretary Of M.O.I.A.W.Rs;
- \* Member of technical committee to evaluate the two alternative designs of WHITE SUGAR PROJECT (base on the off take of the main pump station)

**1999 – 2001**

**POSTS:**

**:(A) THE DIRECTOR OF THE SENNAR DAM:**

**JOB RESPONSIBILITIES :**

- \*total technical and administrative responsibility of all the dam's activities summarized as follows :
- \* meeting water requisites of the gezira and managil schemes .
- \* meeting the financial needs of the projects behind and d/s rehabilitation .
- \* follow – up of rehabilitation of gates of the two main gezira and managil canals as well as rehabilitation of the rest of gates by the German company .
- \* follow – up and maintenance of the embankments of the two main gezira and managil canals and the attached installations .
- \* maintenance of the body of the dam .
- \* maintenance of buildings of the dam's administration .
- \* preparation of monthly and periodical reports as well as flood report .
- \* continuous follow – up of the measured discharges of the Blue Nile and the two main canals as well as comparing them to calculated discharges .
- \* for the first time implementing electric – power operation of the gates of the two main canals instead of manual operation

- \* strengthening and high ting of embankments of the two main canals and upgrading operational discharge . accordingly , the discharges of the two canals were increased by 2.5 million cubic meters/day .
- \* improving work environment by solving the problem of sanitary sewerage and drainage system at residences of employees , maintenance of house , offices , and provision of individual and collective means of transports ..... etc .
- \* establishment of red – brick kiln by local resources to provide bricks for solving housing problems for big families and solving the problem of general maintenance for buildings
- \* holding three training sessions supervised by engineers and skilled workers to build up the capacity of the employees in the various spheres in the dam .

(B) LECTURAL AT SENNAR UNIVERSITY (par timer job)

- \* give lectures in civil engineering;
- \* supervise student's projects for graduation

**1995 – 1999**

**POSTS:**

: DIRECTOR OF DEVELOPMENT UNIT IN THE WHITE NILE AGRICULTURAL PROJECT SERVICES (FINANCED BY IFAD AND GOVT OF SUDAN)

**JOP RESPONSIBILITIES :**

- \* Specification of the civil and mechanical needs for rehabilitation of 26 schemes in the White Nile with the participation of tenants and by adopting the quick participatory research.
- \* specification of the volume of civil and mechanical work by specialized technical teams .
- \* specification of the needs to upgrade competence of tenant’s groups and their families by the method of quick participatory research .
- \* laying down programs and action plans for the implementation of the needs of rehabilitation and reconstruction of the schemes as well as upgrading competence of tenants and improving economic position of their families by carrying out programs of financing the production families .
- \* implementation of various educational programs and provision of services for improving the environment .
- preparation of the agricultural action program for the schemes under the tenants
- \*participation and financing of the agricultural program .
- \* implementation of program of agricultural and forestry guidance .
- \*head of committees to analyze and evaluate international and local tenders technically and prepare technical evaluation reports and submit them to coordinator of the project .
- \* making adaptive researches for some crops and earth research with the collaboration of the agricultural research corporation in Wad Medani implementation of the recommendations of the agricultural research corporation in this context .

- \* implementation of the evaluation and follow – up programs for all undergoing works such as rehabilitation , reconstruction , upgrading society and financing production families .
- \* convening workshops for discussion of vital activities of the project many specialists and beneficiaries participated .
- \* effective participation in mobile workshops held with tenants of each project separately to teat problems and improve work style with the participation of specialists in various fields .

**1992 – 1995**

**POSTS**

: RESIDENT ENGINEER OF ABU GASABA RICE PROJECT  
AND THE WHITE NILE DEVELOPMENT SCHAMES

**JOP RESPONSIBILITIES :**

- \* co – participated in designing earth dam of Abu Gasaba rice project (4850 meters long) with the dept of planning projects in Wad Medani .
- \* implementation of dam of Abu Gasaba rice project (total cubic embankments reached 364000 cubic meters) execution works embodied selection of excavation sites by testing earth samples , follow – up of loading and unloading works , recording them ramming earth in the site of the dam , making slopes and then stone casing .
- \* supervision of execution of the following irrigation installations : P.Bs.+P.Rs.+W.H.Rs.+R.S.Gs .
- \* implementation of part of main-canal excavations in the Siala agricultural scheme in the White Nile .
- \* implementation of part of the main-canal excavations in the Gafa agricultural scheme in the White Nile (this scheme is irrigated from the managil scheme)

**1991 – 1992**

**POSTS:**

THE WHITE NILE PROJECTS – EL DUEIM.  
:(A) HEADQUARTERS ENGINEER FOR IRRIGATION SECTION IN  
EL DUEIM AS WELL AS IRRIGATION ENGINEER FOR WAKARA  
SECTION.

**JOP RESPONSIBILITIES:**

- \* specify water needs for projects in Wakara section .
- \* calculation of operation hours for irrigation units and issue direction of operation .
- regulate and distribute waters in accordance with the cultivated areas .
- \* running studies for the canals to specify quantities of silting and quantities of earth for embankments .
- \* running studies for irrigation installations to specify maintenance and rehabilitation works for these installations
- \* technical follow – up of all the works of irrigation sections in ALDueim .
- \* drafting monthly report of Wakara irrigation section and coordination of monthly report issued by ALDueim irrigation sections .
- \* full responsibility of the stores of the section .

(B) local expert in the international Labor Organization (part-time) in the project of the green canal – north of ALDueim (program of intensive employment)

## **JOPS:**

- \* implementation of excavations of the main canal and sub-canals .
- \* construction of irrigation installations attached to the project .
- \* making forestry surveys to specify the project's capacity and undertake necessary modifications in excavations and embankments to meet the financial needs .
- \* elementary operation of the irrigation units , the main canal and sub-canals .
- \* drafting study for gravity irrigation of the low area of the green canal from lake of Jebel Aulia (not executed for lack of sufficient finance)
- \* provision of water needs for the forest belt in this project .
- \* preparation of the monthly performance reports in the meetings of the administration of projects with financing I.L.O. officials .

**1988 – 1991**

**:ELROSEIRIS DAM: FILLED THE FOLLOWING JOBS DURING THIS PERIOD:**

## **POSTS:**

**:(A) ASSISTANT RESIDENT ENGINEER AND DAM,S OPERATING ENGINEER WITH THE FOLLOWING**

## **JOP RESPONSIBILITIES :**

- 1- the technical responsibilities for all the activities of the dam's administration .
- 2- direct supervision of the maintenance of the apron of the lower gates . this task is summarized as follows :
  - \* building earth barrier to keep water away from area of apron .
  - \* evacuate water from eporning area behind the dam.
  - \* running necessary surveys in the apron to specify volume and means of maintenance .
  - \* running the necessary maintenance in accordance with prepared program .
- 3- implementing filling and emptying programs
  - \* follow – up of discharges of hydro-power generating station against the prepared program and coordination with administration of the generating station in implementation of this program .
  - \* calculation of predicted inlets of the Blue Nile coming from the borders and consequently operating the door in approximate manner .
  - \* continuous follow – up of the levels in front of the dam 24 hours a day and issue orders to operate the gates .
- 4- works of excavation machineries :
  - \* follow – up bathometric surveying works in the area of hydro-generation u/s of the dam to specify the quantities of silt
  - \* Follow – up of implementation of program of excavation by machineries and follow – up silt drainage by pumps .
- 5- direct supervision of the dam's laboratory which is responsible for the following tasks :
  - \* measure silt quantities in front of and behind the dam during flood period by taking daily samples during flood period .
  - \* measuring the level of wells existing in the body of the dam and comparing them with old levels as well as evacuation of these wells and

register the time and levels during the dewatering for specifying the quantity of leakage .

\* follow – up readings of pressure measures existing in the dam’s embankment , registering them and comparing them to previous readings.

6- drafting technical reports :

\* formulation and coordination all monthly , quarterly biannual , and annual reports drafted by the various sections

\* preparing the dam’s annual flood report.

(B) THE ACTING RESIDENT ENGINEER FOR EL ROSEIRIS DAM FOR ONE YEAR APPROXIMATELY.

**RESPONSIBILITIES OF THIS JOB WERE :**

TOTAL TECHNICAL , ADMINISTRATIVE AND FINANCIAL RESPONSIBILITY FOR ALL THE ACTIVITIES OF THE VARIOUS SECTIONS OF THE DAM INCLUDING THE WORKS OF THE MECHANICAL SECTION OF THE DAM .

(C) EXECUTIVE ENGINEER OF AL DAMAZIN WATERS ON PART-TIME BASIS IN THE BRANCH CORPORATION OF IRRIGATION WORKS . I EXECUTED THE FOLLOWING WORKS :

\* construction of ALDamazin waters station .

\* construction of buildings of plant protection dept .

\*construction of buildings of al damazin attorney .

(D) ENGINEERING CONSULTANT OF THE SUDANESE – EGYPTIAN INTEGRATION COMPANY .

\* presenting technical consultancy to this company in all civil works .

\* supervision of the bridges of drainages in the area of the project in ALDamazin

\* maintenance of the buildings of the headquarters of this company at the site .

**1986 – 1988**

THE SENNAR DAM:

**POSTS:**

: (A) DAM OPERATION ENGINEER:

**JOP RESPONSIBILITIES :**

\* follow – up of the dam’s water levels as well as the tow main Gezira and Managil canals, levels per hour 24 – hour a day .

\* calculate water discharges of the dam and the tow canals on daily basis in accordance with the tow canals, discharge equations and the tables and levels of the dam .

\* comparing the calculated discharges with the measured ones by the current meter on daily basis .

\* keeping the levels of the lake of the dam in accordance of the inlet and outlet program approved by the ministry of irrigation .

\* fulfilling water needs for the gezira and Managil canals in accordance with the prepared program .

\* co-participated (together with dr : Adel Mohamed khidir – university of Khartoum) in studies of modification of discharge equations for the tow canals in accordance with the measured discharges for many years .

**(B) MAINTENANCE ENGINEER-SENNAR DAM AND TOW MAIN CANALS:**

**JOP RESPONSIBILITIES:**

- \* maintenance of dam's body .
- \* maintenance of dam's earth embankments .
- \* follow-up and maintenance of the bridges of the gezira and Managil canals .
- \* monitoring and follow-up of installations in the gezira and managil canals from kilometer zero at the dam to kilo 24 .
- \* maintenance of the dam's street by asphalt .
- \* for the first time since building the dam: decorating and building sanitary sewerage in the dam and the two canals for improving work environment .
- \* injecting the dam's body with cement mixture to prevent leakage
- \* ending leakage in Gezira canals embankments by building curtain of black silt in the middle of embankments and coverage of leakage lines at the embankments .
- \* opening drainage sub-canals in the two canals and rehabilitation of the outlets of these drainage sub-canals for protecting them against impact of rain and flood waters .
- \* formation of red-brick kiln in the site of old pumps for covering need of red bricks to maintain buildings at the Sennar Dam's administration in considerably reduced costs in contrast to market prices of red bricks .
- \* drafting monthly and periodical reports.

**1984 – 1985**

**1981 – 1984**

**POSTS**

STUDY OF POST – GRADUATE DIPLOMA IN UK .

SENNAR DAM

: ENGINEER OF SENNAR DAM EASTERN EXTENSION  
EPRON .

**JOP RESPONSIBILITIES :**

- \* accomplishing hydrological survey of all the Sennar Dam's eastern extension, work to specify the bottom state of that dam's apron extension .
- \* supervision of divers, work to specify the bottom state of that dam's apron extension .
- \* design the apron.



\* design implementation by downloading and filling – in ready – made concrete blocks in addition to preparing white concrete as well as pouring rocks and crushed stones .

\* drafting monthly performance report.

during this period i.e. in year 1982 I worked as site engineer for maintenance of ALRoseiris dam's apron of lower gates by sica material and its various components .

**1980 – 1981** training session in the various departments in the ministry of irrigation.