



Training Needs Assessment (TNA) Questionnaire

Personal data

1. Full name (Ms./Mr.):.....
2. Current position:
3. Institution.....
4. Country/NC.....
5. North/South/West/East/Middle Africa (.....)
5. Tel.:..... Mobile..... E-mail:

7. Age group:

20–25

25–30

30–40

40–50

8. Education (Please specify)

University:

Faculty:

Department:

9. How many years of working experience?

_____ Years _____ Months



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10. Details of training Undergone (last three you attended):

Sl. No.	Area of training undergone	Duration of the training	Year	Institution which Imparted the training	Effectiveness of The training in Enhancing your competencies	Level of satisfaction*
1						
2						
3						

* 'A' Highly satisfactory 'B'-Satisfactory 'C'-Unsatisfactory

JOB ANALYSIS

Q.1. What are your current duties and responsibilities?

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Q.2 What are the skills required for your job?

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TRAINING NEEDS

1. Please indicate your training needs in the context of job responsibilities on a scale of 1-5 (1- least preferred, 5 - Most preferred)

No	Topic	Scale				
		1	2	3	4	5
1	Basics of irrigation and drainage	1	2	3	4	5
2	Design of Irrigation and Drainage Systems	1	2	3	4	5
3	Agricultural Drainage (design – execution)	1	2	3	4	5
4	Irrigation and Drainage Systems Operational and Maintenance.	1	2	3	4	5
5	Irrigation systems improvement in old lands	1	2	3	4	5
6	Modern Irrigation systems, planning and design	1	2	3	4	5
7	Crop water requirements	1	2	3	4	5
8	Irrigation Scheduling	1	2	3	4	5
9	Distribution of Irrigation Water	1	2	3	4	5
10	Design of Pump Stations	1	2	3	4	5
11	Managing Emergency units in pump stations	1	2	3	4	5
12	On Farm Irrigation Water Management	1	2	3	4	5
13	Environmental Evaluation for Irrigation & Drainage Projects	1	2	3	4	5
14	Irrigation Works, execution, operation & Maintenance	1	2	3	4	5
15	Mechanization of Drainage system planning and design	1	2	3	4	5
16	Design of Modern Bridges and hydraulic structures	1	2	3	4	5
17	Steel & Timber Farm	1	2	3	4	5
18	Canal Lining & Maintenance	1	2	3	4	5
19	Quality Management for Irrigation and Drainage systems	1	2	3	4	5
20	Irrigation Systems and it's applications in Desert soils	1	2	3	4	5
21	Rivers Protection	1	2	3	4	5
22	Navigation in River Branches	1	2	3	4	5



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No	Topic	Scale				
		1	2	3	4	5
23	Night Storage of Irrigation Water	1	2	3	4	5
24	Irrigation Advisory Service	1	2	3	4	5
25	Environmental Evaluation for Irrigation & Drainage Projects	1	2	3	4	5
26	Maintenance of Open Channels & Aquatic Weeds Control	1	2	3	4	5
27	Measuring Discharge in Open Channels	1	2	3	4	5
28	Calibration of Instrument & Equipment	1	2	3	4	5
29	Water Quality	1	2	3	4	5
30	Water Quality; Early Warning System for the Rivers	1	2	3	4	5
31	Integrated Water Resources Management	1	2	3	4	5
32	Non- Conventional Water Resources in Arid and Semi-Arid Region	1	2	3	4	5
33	Flash Flood Conservation	1	2	3	4	5
34	Rainwater harvesting	1	2	3	4	5
35	Management and Uses of Non- Conventional Water Resources	1	2	3	4	5
36	Irrigation water economics (value – cost recovery)	1	2	3	4	5
37	Groundwater and Artificial Recharge	1	2	3	4	5
38	Development of Ground Water resources	1	2	3	4	5
39	Methods of Ground Water Pollution, Protection & Management	1	2	3	4	5
40	Ground Water Wells – Design & Management	1	2	3	4	5
41	Monitoring & Analysis of Hydrologic Data of Ground Water and Wadies	1	2	3	4	5
42	Groundwater Management	1	2	3	4	5
43	Flood and drought management	1	2	3	4	5
44	Water Crisis Management	1	2	3	4	5
45	Managing and planning of water courses using Mathematical models	1	2	3	4	5
46	Design and Analysis of Data	1	2	3	4	5
47	Forecasting using Simulation models	1	2	3	4	5



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No	Topic	Scale				
		1	2	3	4	5
48	Climate Change Adaptation for African Agriculture Systems	1	2	3	4	5
49	Climate Change Adaptation for Water, Food, and Environmental Security	1	2	3	4	5
50	Climatic Change Impacts on Water requirements	1	2	3	4	5
51	Soil salinity management	1	2	3	4	5
52	Harvesting Equipment Design, Operation and Maintenance	1	2	3	4	5
53	Costal Shore Protection	1	2	3	4	5
54	Capacity Development for Water Management for Africans	1	2	3	4	5
55	Strengthening Institutional Capacity Building for Water Sector in Africa	1	2	3	4	5
56	Design, Construction and Rehabilitation of Small Dams	1	2	3	4	5
57	Dam-Safety	1	2	3	4	5
58	Forecasting Systems, Climate Changes, and IWRM	1	2	3	4	5
59	Funding Irrigation and Drainage Stations Rehabilitation	1	2	3	4	5
60	GIS and MIS	1	2	3	4	5
61	Remote Sensing Technology	1	2	3	4	5
62	Modern Survey Theory	1	2	3	4	5
63	Using laser Equipment for land leveling	1	2	3	4	5
64	Modern & Advanced Survey Equipment	1	2	3	4	5
65	Surveying and hydro graphing using GPS systems	1	2	3	4	5
66	Cost Estimating	1	2	3	4	5
67	Project Networking (scheduling).	1	2	3	4	5
68	Site Supervision.	1	2	3	4	5
69	Preparing Budget Estimates	1	2	3	4	5
70	Developing Efficient Operating System	1	2	3	4	5
71	Projects Management & Evaluation Visibility Studies for Projects	1	2	3	4	5
72	Languages and computer skills.	1	2	3	4	5



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No	Topic	Scale				
		1	2	3	4	5
73	Industrial security in stations, labs & workshops	1	2	3	4	5
74	Managing locations and human resources for district engineer	1	2	3	4	5
75	Group Work, Team Building and Dialogue Skills	1	2	3	4	5
76	Effective Communication Conflict Management Skills	1	2	3	4	5
77	Technical Report Writing and Presentation Skills	1	2	3	4	5
78	Building skills in strategic planning and following –up	1	2	3	4	5
79	Developing Efficiency for Procurements	1	2	3	4	5
80	Developing Efficiency Skills for Storage Employees	1	2	3	4	5
81	Multi-Skill Capabilities	1	2	3	4	5
82	Developing Efficiency Financial Personal Administration Works	1	2	3	4	5
83	Group Work, Team Building and Dialogue Skills	1	2	3	4	5
84	Effective Communication and Conflict Management Skills	1	2	3	4	5
85	Project Documentation	1	2	3	4	5
86	Technical Information.	1	2	3	4	5

2. Your suggestion for additional training course to perform your current job completely so as to bring excellence in your organization

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- 9.
- 10.

3. What training do you think would be relevant to help you achieve proficiency in your future role?

- 1.
- 2.
- 3.
- 4.
- 5.

4. Appropriate time for training

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Sign

Date

May kindly fill up and email to - mswahba@hotmail.com