



THE UNITED REPUBLIC OF TANZANIA  
MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGY  
THE NATIONAL COUNCIL FOR TECHNICAL  
AND VOCATIONAL EDUCATION AND TRAINING

SN. 100052920



*"Striving for World-Class Excellence in Technical and Vocational Education and Training"*

Our Ref : AB.56/795/01A/8

26<sup>th</sup> January, 2023

Your Ref:

Secretary General,  
China–Africa Vocational Education Alliance,  
Shandong,  
**CHINA.**

Dear Sir/Madam,

**Re: REQUEST FOR THE DEVELOPMENT OF THE NATIONAL TVET RESOURCE DATABASE TO SUPPORT TVET DEVELOPMENT IN TANZANIA**

Please refer to the above captioned subject.

2. We are glad to inform you that the Review of Occupational Standards and Development of the Program Delivery Standards (1<sup>st</sup> Batch) Project have been completed on 22<sup>nd</sup> December, 2022. Thanks to the efforts and dedication of Chinese vocational institutes and TVET experts from China and Tanzania, all required documents have been received and approved by National Council for Technical and Vocational Education and Training (NACTVET). The Council will continue to process these documents including publication and offer them for use by and for the benefit of our institutes. We are also happy to know that the Development of the second batch of Occupational Standards and Program Delivery Standards is progressing smoothly, and we are expecting to review those draft documents from February 2023 as scheduled and finish the approval of these documents before April, 2023.

3. With both the Occupational Standards and the Program Delivery Standards ready, the Council is planning to move on to the Curriculum related resources. Thus, the Council is requesting your support and has granted you exclusive authorization in mobilizing the necessary resources from China for the development of the National TVET Resource Database together with the ICT Team from the Council. This database system shall include the Curriculum Standards and Teaching & Training Resources for the Professional Core Courses of the programs listed down here. Therefore, we are expecting that you collect and develop these resources from China and upload to the database system after the Council recognition and accreditation. This Database will be managed by the Council, and our TVET Institutions in Tanzania will be required to refer to these resources while delivering various programs.

4. To manage the complexity of the project, the Council requests that it be conducted in three phases:

Phase 1: Collaborate with the ICT team from the Council to set up a new database system or upgrade the existing database system if applicable as the National TVET Resource Database and integrate it with the NACTVET website. This will also involve capacity building to the ICT Team to improve its capability in developing and maintaining the system.

Phase 2: Collect and develop Curriculum Standards and Digital Teaching and Training Resources from China and based on the experience in China. These resources should be compliant with the situation in Tanzania as well as the reviewed and developed Occupational Standards and Program Delivery Standards. These resources will be reviewed and finally recognized and approved by the Council as the National Guidelines for our TVET Institutes in Tanzania.

Phase 3: Upload the Curriculum Standards and Digital Teaching & Training Resources to the National TVET Resource Database and make them publicly available to all TVET institutes in Tanzania. In addition, provide Capacity Building to NACTVET staff as well as institutes for the promotion and application of these resources.

5. Therefore, the Council hereby requests you to proceed with the development of the National TVET Resource Database with the Curriculum Standards and Teaching Resources of the Professional Core Courses for the following programs including but not limited to:

<b>S/N.</b>	<b>Program</b>	<b>NTA Level</b>
1.	Electrical Engineering	4 - 6
2.	Electrical Engineering	7 - 8
3.	Information Technology	7 - 8
4.	Computer Engineering	4 - 6
5.	Computer Engineering	7 - 8
6.	Leather Products Engineering	4 - 6
7.	Aircraft Maintenance Engineering (Airframe & Power-Plant)	4 - 6
8.	Avionics Maintenance Engineering	4 - 6
9.	Automotive Engineering	4 - 6
10.	Automotive Engineering	7 - 8
11.	Quantity Surveying	7 - 8



<b>S/N.</b>	<b>Program</b>	<b>NTA Level</b>
12.	Civil Engineering	4 - 6
13.	Civil Engineering	7 - 8
14.	Architecture	7 - 8
15.	Architectural Technology	7 - 8
16.	Food Science and Technology	4 - 6
17.	Food Science and Technology	7 - 8
18.	Freight Clearing and Forwarding	4 - 6
19.	Bioprocess and Postharvest Engineering	4 - 6
20.	Bioprocess and Postharvest Engineering	7 - 8
21.	Marine Navigation	4 - 6
22.	Avionics Maintenance Engineering	7 - 8
23.	Civil Aviation Ground Equipment Maintenance Engineering	4 - 6
24.	Drone Pilot	4 - 6
25.	Textile	4 - 6
26.	Garment Design	4 - 6
27.	Garment Production	4 - 6
28.	Metrology	4 - 6
29.	Welding	4 - 6
30.	Welding	7 - 8
31.	Renewable Energy Engineering (Hydro)	4 - 6
32.	Renewable Energy Engineering (Hydro)	7 - 8
33.	Renewable Energy Engineering (Solar)	4 - 6
34.	Renewable Energy Engineering (Solar)	7 - 8
35.	New-Energy Vehicle Engineering	4 - 6
36.	New-Energy Vehicle Engineering	7 - 8
37.	Geotechnical Surveying	4 - 6
38.	Land Survey and Mapping	4 - 6
39.	Architectural Engineering	4 - 6
40.	Architectural Engineering	7 - 8
41.	Water Conservancy and Hydropower Engineering	4 - 6
42.	Water Conservancy and Hydropower Engineering	7 - 8
43.	Architectural Interior Designing	4 - 6
44.	Early Childhood Teaching	4 - 6
45.	Infant and Toddler Service	4 - 6
46.	Marine Engineering	4 - 6
47.	Marine Electrical and Electronic	4 - 6

S/N.	Program	NTA Level
	Engineering	
48.	Culinary	4 - 6
49.	Culinary	
50.	Hotel Catering Management and Service	4 - 6
51.	Tourism Management Service	4 - 6
52.	Livestock Veterinary	4 - 6
53.	Livestock Veterinary	7 - 8
54.	Aquaculture Technology	4 - 6
55.	Crop Planting Technology	4 - 6
56.	Crop Planting Technology	7 - 8
57.	Postharvest Technology	4 - 6
58.	Animal Breeding Technology	4 - 6
59.	Animal Breeding Technology	7 - 8
60.	Flower Production and Processing Technology	4 - 6
61.	Tea Production and Processing Technology	4 - 6
62.	Herbal Medicine Planting Technology	4 - 6
63.	Fertilizer Production Engineering	4 - 6
64.	Brewing Technology	4 - 6
65.	Railway Locomotive Operation and Maintenance Engineering	4 - 6
66.	Railway Locomotive Operation and Maintenance Engineering	7 - 8
67.	Jewelry Processing	4 - 6
68.	Coal Mining Engineering	4 - 6
69.	Metal Mining Engineering	4 - 6
70.	Petrochemical Product Technology	4 - 6
71.	Oil and Gas Storage and Transportation	4 - 6
72.	Environmental Monitoring	4 - 6
73.	Chemical Testing	4 - 6
74.	Nursing	4 - 6
75.	Pharmaceutical Preparation Engineering	4 - 6
76.	Pharmaceutical Preparation Engineering	7 - 8
77.	Public Health Safety Inspection and Quarantine	4 - 6
78.	Medical Equipment Engineering	4 - 6
79.	Mechanical Equipment Installation Engineering	4 - 6

<b>S/N.</b>	<b>Program</b>	<b>NTA Level</b>
80.	Mechanical Equipment Maintenance Engineering	4 - 6
81.	Mechanical Equipment Maintenance Engineering	7 - 8
82.	Mechatronics Engineering	4 - 6
83.	Mechatronics Engineering	7 - 8
84.	Lifting, Loading and Unloading Machinery Operation	4 - 6
85.	Electrical Equipment Installation and Maintenance Engineering	4 - 6
86.	Electronic Equipment Assembly and Repair	4 - 6
87.	Software Engineering	4 - 6
88.	Software Engineering	7 - 8
89.	Mobile Application Development Engineering	4 - 6
90.	Mobile Application Development Engineering	7 - 8
91.	Cyber Security	4 - 6
92.	Cyber Security	7 - 8
93.	Artificial Intelligence	4 - 6
94.	Artificial Intelligence	7 - 8
95.	Big-Data	4 - 6
96.	Big-Data	
97.	Cross-border E-Commerce	4 - 6
98.	Cross-border E-Commerce	7 - 8
99.	Webcast	4 - 6
100.	Digital Media Technology	4 - 6
101.	Film and Television Production	4 - 6
102.	Accounting	4 - 6
103.	Food Safety Management	4 - 6
104.	Food Safety Management	7 - 8
105.	Food Compliance Management	4 - 6
106.	Food Inspection and Testing	4 - 6
107.	Food Inspection and Testing	7 - 8

6. Please feel free to propose and add more programs in other sectors and areas to be developed to support TVET development in Tanzania under this period based on the available support capacity from your office.

7. We are looking forward to cooperating with you to develop TVET Resource Database.

Thank you for your continued cooperation.



Dr. A. B. Rutayuga

**EXECUTIVE SECRETARY**

**Copy to:**

- a) Permanent Secretary, Ministry of Education, Science, and Technology – Dodoma, Tanzania.
- b) Embassy of the People’s Republic of China to the United Republic of Tanzania.
- c) Embassy of the United Republic of Tanzania to the People’s Republic of China.
- d) Foreign Affairs Office of Shandong Provincial People’s Government, the People’s Republic of China.
- e) CIIC International Education Technology (Beijing) Co., Ltd.
- f) Belt and Road Alliance for Industry and Education Collaboration
- g) China-Africa (Chongqing) Vocational Education Alliance.
- h) Sunmaker Training Institute.

