



UNITED NATIONS CHILDREN'S FUND  
TERMS OF REFERENCE

**I. Post Information**

**Job Title:** Biomedical Engineer  
**Contract type:** Temporary Appointment  
**Position Level:** P-2  
**Duration:** 1 year  
**Location:** Latin America and the Caribbean Region (LACRO): Jamaica  
**Report to:** Health Specialist

**II. Organizational Context and Purpose for the job**

UNICEF works in some of the world's toughest places, to reach the world's most disadvantaged children. To save their lives. To defend their rights. To help them fulfill their potential.

Across 190 countries and territories, we work for every child, everywhere, every day, to build a better world for everyone.

And we never give up.

This position is being established to support the establishment of medical oxygen production, distribution and use in Jamaica's public health sector.

**Purpose for the job:**

Under the general guidance of the Health Specialist, the incumbent will manage the installation, implementation, commissioning and operating of Oxygen Plants in Jamaica and is lead and focal point for the UNICEF Jamaica Country Office efforts to manage the project effectively.

The incumbent will:

Apply specialized knowledge to guide the operationalization of Pressure Swing Adsorption (PSA) Oxygen Plants in country. The incumbent will work in collaboration with counterparts in country (UNICEF and Government of Jamaica) as well as with UNICEF colleagues at the regional, HQ and Supply Division levels to guide technical activities and support the country to establish oxygen plant standards and guidelines. The incumbent will provide technical support to UNICEF, the Government of Jamaica, its Regional Health Authorities and hospitals in the installation, commissioning and capacity building for the management and operation of the oxygen plants. The incumbent will also support the application and documentation of lessons learned for PSA plant management.

### **III. Key functions, accountabilities, and related duties/tasks**

Key responsibilities will be:

- Provides oversight of the JCO oxygen plant project and ensures that learnings are applied for efficient and optimal implementation.
- Provides technical guidance to UNICEF and the GOJ on the installation, implementation and management of the PSA plant project.
- Supports UNICEF and government partners by assisting in needs assessments, planning, capacity building, as required.
- Works closely with the North-east and Southern Regional Health Authorities to support and train technical teams to operate and maintain the PSA plants at the St Ann's Bay and May Pen Hospitals
- Contribute to technical capacity building within UNICEF and among implementing partners to ensure successful implementation of oxygen plants, and full integration of the plants into the wider oxygen infrastructure in Jamaica.
- Supports the JCO to establish and maintain a resource bank of supporting materials for implementation of oxygen plants in Jamaica.
- Works closely with Oxygen Technical Assistance team in Supply Division to ensure optimal and efficient roll out, timely request for support and smooth information flow.
- Any other duties or assignments as requested by supervisor.

### **IV. Impact of Results**

The Biomedical Engineer (BE) will ensure that UNICEF Jamaica achieves the installation and operationalization of two oxygen plants in the country. This will include capacity strengthening in establishment of standard operating procedures, capacity building, establishment of systems that support oxygen operations at the hospital, regional authority and central ministry levels. The BE will also ensure ongoing communication flows among partners in country as well as supporting communication within UNICEF at the HQ, Regional and CO levels.

The BE may be asked to represent the supervisor in communications (with the requisite tact and discretion) involving the exchange of information, coordination and effecting follow up activities in line with deadlines and maintaining communications with colleagues across various sections.

### **V. Competencies and level of proficiency required**

- Builds and maintains partnerships (I)
- Demonstrates self-awareness and ethical awareness (I)
- Drive to achieve results for impact (I)
- Innovates and embraces change (I)
- Thinks and acts strategically (I)
- Manages ambiguity and complexity (I)
- Works collaboratively with others (I)

## VI. Skills

### To qualify, you will have...

#### **Required:**

- Specialist knowledge of oxygen delivery systems
- Strong analytical, planning and project management skills.
- Experience in conducting field assessments for oxygen systems in different settings.
- Strong technical writing skills
- Demonstrated experience in managing complex projects with multiple stakeholders.
- Field experience in developing countries related to implementing oxygen delivery products/systems in low resource settings.
- Hands-on experience with setting up and maintenance of oxygen delivery systems including PSA plants.
- Experience in producing technical guidance and SOPs for use and maintenance of oxygen plant.
- Capacity to work in a multidisciplinary team and communicate effectively with different target audiences.
- Experience in working with UNICEF would be considered an asset.

## VII. Recruitment Qualifications

Education:	<ul style="list-style-type: none"><li>• A completed Bachelor's degree in biomedical engineering or other relevant subject.</li></ul>
Experience:	<ul style="list-style-type: none"><li>• At least 2 years of progressively responsible relevant professional experience, including management of projects, oxygen delivery systems.</li></ul>
Language Requirements:	<ul style="list-style-type: none"><li>• Fluency in English is required.</li></ul>

