



Design and implementation of a suitable training programme to build up capacity of 5,000 science teachers and 100 Education officers nationwide in Zimbabwe

Client: UNICEF Zimbabwe/ Devotra
Project value: 898.000 USD

Funding: Education Transition Fund
Duration: July 2013 – May 2014

The Science kits initiative is meant to provide basic, affordable and user friendly apparatus, reagents and related material (Science Kits) to secondary schools, train teachers in all schools on the basic use of such kits and establish a system for replenishment of consumable items in subsequent years. It targets all secondary schools in Zimbabwe, 2,449 secondary schools under the Ministry of Primary and Secondary Education.

During project preparation Cadena supported Devotra with the final bid preparation and contract negotiations. Ultimately the contract was awarded to Devotra, who supplied apparatus, chemicals and other consumables and a storage system to UNICEF Warehouse in Harare, Zimbabwe for further distribution to the 2,449 secondary schools (total value of the purchase orders 8,644,553 USD). The entire training component was sub-contracted by Devotra to Cadena.

In order to reach all beneficiaries in all districts of Zimbabwe, the teacher training was implemented by “5 mobile teacher training teams” . Therefore 5 complete teacher training sets were delivered in Harare in order to support the actual training during the 174 different training sessions in Zimbabwe.



Beneficiaries

- 5,000 Zimbabwean Science Teachers
- 100 Education Officers and Inspectors (province and district level)
- Zimbabwean children enrolled in the 2,449 secondary schools

Consultancy Activities

- Turn-key bid preparation
- Turn-key contract negotiation
- Inception phase
- Curricula mapping of experiments
- Development of teacher training manuals with more than 150 experiments
- Supply of manuals and teacher training materials
- Design of train-the-trainer programme
- Implementation of train-the-trainer programme for 50 persons
- Implementation of pilot session
- Implementation of national roll-out to all districts
- Project management



Training programme

- Practical hands-on training with science kit, chemicals and consumables
- Preparation of chemicals
- Health and safety
- Asset management and control
- Planning practical sessions
- Teacher-centred to student-centred teaching
- Demonstrative science to investigative and practical science lessons
- Theoretical lessons

Staff

- 6 International science experts
- 9 Support staff

Science topics covered

- Biology
- Chemistry
- Physics

Mobile teams

- Mobile science bench
- ICT equipment
- Full set of science kit materials
- Full set of replenishment materials
- Health and safety materials
- Storage trays and racking system
- Manuals for distribution



Business Development - Turn-Key Project Development - Consultancy - Project Management - Training

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