



30 October 2015

Mr. Nii Allotey Odunton
Secretary-General
International Seabed Authority
14-20 Port Royal Street
Kingston, Jamaica

Sub: The training proposal of the contract in 2016 for exploration for cobalt-rich ferromanganese crusts

Dear Mr. Nii Allotey Odunton,

JOGMEC is pleased to submit our proposal for the training programme in 2016, in accordance with the schedule 3 of the contract for exploration for cobalt-rich ferromanganese crusts. We will execute the programme for five trainees, including at-sea training on R/V Hakurei.

We desire that this programme will be an effective opportunity for trainees to develop their skills to explore cobalt-rich ferromanganese crusts.

Sincerely yours,

A handwritten signature in blue ink, appearing to be "Hirobumi Kawano", written over a horizontal line.

Hirobumi Kawano
President,
Japan Oil, Gas and Metals National Corporation (JOGMEC)

Proposal of a training programme by JOGMEC in 2016

At-sea training programme in 2016

Japan Oil, Gas and Metals National Corporation (JOGMEC) is scheduling an at-sea exploration training programme in 2016 for five trainees from the developing States, according to the contract for exploration for cobalt-rich ferromanganese crusts between the International Seabed Authority and JOGMEC.

Objectives and goals of the training programme

- The objectives of the training programme are for the capacity building of trainees from developing States through on-board works and environmental survey techniques for cobalt-rich ferromanganese crusts.
- The goals are to develop planning skills for marine environmental baseline studies, to acquire experience of on-board works and to develop skills for data analysis and interpretation.

Contents of the training programme

The training programme will have three phases: pre-cruise training, at-sea training and post-cruise training. The programme will be conducted in collaboration with Japan Agency for Marine-Earth Science and Technology (JAMSTEC).

- Pre-cruise training will consist of the planning of research activities and on-board works.
- At-sea training will include biological, water, sediment sampling, handling and analysis of samples as well as research report writing.
- Post-cruise training will be provided in cooperation with Japanese institutions which are specialized in marine science and technology, with a view to give the trainees more detailed analytical experience of chemical, physical and biological properties for water, sediment and biological samples which are acquired during the research cruise.

Dates and duration of training

The training programme is planned between May and June in 2016 for duration of about 40 days: 3 days for the pre-cruise training, 30 days for the at-sea training and 7 days for the post-cruise training.

General qualifications of candidates

Candidates should:

- Hold a graduate degree in science or engineering in the relevant field of marine environment (including marine biology, marine biochemistry and physical oceanography) or have an equivalent educational background;
- Have at least one year of work experience in the relevant field;
- Have sufficient knowledge of English for daily conversation and training;
- Have a good mental and physical health, suitable to work at sea;
- Be less than 45 years of age; and
- Have seagoing experience (if possible).

Cost-bearing

JOGMEC will pay for a round-trip airline ticket (economy class), and provide local travel, meals and accommodations in Japan and on-board within the scope of the training programme, as well as travel insurance with medical coverage.

Other Requirements

The trainees are required to:

- Submit reports on the outcome of their training to JOGMEC and to the Authority;
- Sign a confidentiality agreement with JOGMEC.