

Cable Jointing & Optical Fiber Cable Splicing Program



Third Country Training Program

National Electric Power Company
(NEPCO)

In Cooperation With
Japan International Cooperation Agency
(JICA)

March, 2005

Transportation

1- For Cable Jointing Participants, ETC management will arrange a proper transportation from ETC to Zarqa city (12 km) far from ETC, vice versa, from ETC to Amman, vice versa, one day a week for each city.

A proper transportation will be arranged during the site visits.

2- For Optical Fiber Splicing Participants, NCC management will arrange a proper transportation from NCC to Amman city, vice versa.

A proper transportation will be arranged during the site visits.

Phone Calls

The participants may make their private local & long distance phone calls, from the dormitory of the ETC & the Hotel, the rates has to be paid by the participants according to the special tariff laid down.

APPLICATION PROCEDURES

The application should be made on the special form that is attached to this pamphlet.

The duly completed application form should be in two copies, and should be sent to the Jordanian Ministry of Planning through the diplomatic channels, with copies to NEPCO and JICA.

SELECTION OF PARTICIPANTS

NEPCO and JICA will select (20) officially nominated candidates for the Cable Jointing program, & (10) officially nominated candidates for the Optical Fiber Splicing among those who apply before the closing date, NEPCO will notify the selected participants through the Jordanian Ministry of planning and JICA office.

CERTIFICATE

All participants who completes the program's requirements will have a certificate credited by JICA and NEPCO.

DATE & PLACE OF THE PROGRAM

The program is scheduled to take place on the 6th of March 2005 for the first batch from both courses and on the 16th of April 2005 for the second batch.

The Cable Jointing Course will be conducted at the Electric Training Center (ETC) workshops near Zarqa city (30 km) far from Amman, and the Optical Fiber Cable Splicing will take place at the National Control Center (NCC), located at the south of Amman.

ACCOMMODATION

Dormitory

- 1- The participants of Cable Jointing program will be accommodated at the ETC dormitory , each participant will share in double or triple bedrooms.
Three daily meals will be served at the ETC restaurant and during the site visits the meals will be provided.
- 2- For the participants of Optical Fiber Splicing program , a suitable hotel accommodation will be arranged including breakfast meal.

Site Visits

ETC & NCC management will arrange study tours to some of utilities, related to the program.

Health Care & Life Insurance

JICA Jordan office will provide health care and life insurance for all participants covering them from their departure from Baghdad and during the Course duration in Jordan, until their departure to Baghdad.

Per -Diem

Each participant in the Cable Jointing program will be paid daily subsistence equivalent to US\$ (10), as per diem upon arrival to Amman, and each participant in the Optical Fiber Splicing program will be paid daily subsistence equivalent to US\$ (25), as per diem upon arrival to Amman.

TRAINING PROGRAM

1- Cable Jointing Course

The participants will have theoretical lectures and practical applications covering the following topics:

1- Lectures :

- Safety rules & personal safety equipment and tools.
- Equipment and tools for the cable jointing.
- Regulations & standards for the cable jointing.
- Components of power cables.
- Types of cables.
- Types of cable jointing.

2- Practice :

All the above items will be conducted in parallel with practical training on :

- Measuring, cutting, stripping & shrinking of (0.4 , 11 , 33) kV. power cables
- Cable jointing (0.4 , 11 , 33) kV.
 - Straight joint
 - Termination

2- Optical Fiber Cable Splicing Course

The participants will have theoretical lectures and practical applications covering the following topics:

1- Lectures :

- Introduction to F.O transmission system and F.O technology.
- Types of F.O cables, splice boxes, ODF, tools and test equipment.
- Preparing of F.O cables and OPGW for splicing.
- Preparing of joint boxes for splicing.
- Preparing of ODF for splicing.
- Splicing of fibers using fusion splicing machine.
- Test equipment, characteristics and measurement of F.O cables, using OTDR laser source , power meter.

2- Practice :

All the above items will be conducted in parallel with practical training on :

Splicing of Fiber Optics cables (OPGW-OPGW) , preparing 2 way joint box (OPGW-OPGW), preparing 2 way joint box (OPGW-nonmetallic), preparing 3 way joint box (OPGW-OPGW-OPGW), (OPGW-OPGW-nonmetallic) , preparing of nonmetallic fiber on ODF

PROGRAM OBJECTIVES

The purpose of the Course is to enhance the ability of Ministry of Electricity of Iraq (MOEI) for rehabilitation and reconstruction works smoothly and safely .

At the end of this Course, the participant is expected to be able to:

- 1- Understand the basic theory of cable jointing and optical fiber cable splicing.
- 2- Understanding the components of power cable jointing kits and optical fiber splicing kits .
- 3- Practice the works of jointing, splicing & testing of optical fibers.
- 4- Understand the safety rules and procedures for tools, equipments and distribution cable jointing and splicing works

PARTICIPANTS

(20) candidates for Cable Jointing and (10) candidates for Optical Fiber Splicing officially nominated by the Ministry of Electricity of Iraq (MOEI) will be accepted according to the following terms:

- Being on the staff of MOEI, and nominated by MOEI.
- Having at least three (3) years experience in the field of relative program (Cable Jointing and Optical Fiber Cable Splicing)
- Being under thirty five (35) years old of age,
- Being in good health, both physically and mentally in order to complete the course.
- Not be serving in military or security forces.

All participants should comply fully with the rules and regulations of the Training Program as laid down by ETC (Electric Training Center) and NCC (National Control Center) .

PROGRAM MANAGEMENT AND TRAINING STAFF

The training program is carried out under the supervision and financed by JICA, and under direct management of NEPCO/ ETC and NCC

All instructors and lecturers from NEPCO who have considerable professional experience will implement this program in the better possible level.

INVITATION

National Electric Power Co. (NEPCO) and Japan International Cooperation Agency (JICA) both are considering the technical training of the manpower for the Iraqi technical staff from the Ministry of Electricity of Iraq (MOEI) , to be of great importance in developing and upgrading the manpower in consistence with the scientific and technical development.

NEPCO and JICA agreed to implement a training program in the field of Cable Jointing , which is scheduled to be conducted at NEPCO Electric Training Center (ETC), and a training program in the field of Optical Fiber Cable Splicing which is scheduled to be conducted at NEPCO National Control Center (NCC) starting from March 6th 2005.

Since the field of Cable Jointing & Optical Fiber Cable Splicing are among the fields that always need developing the individual and collective skills among the staff who are working in these fields, in order to cope with the quick development in electric power industry, therefore we invite you to participate in this course (Cable Jointing & Optical Fiber Cable Splicing). It is designed for those who are working or expected to be working in these fields.

The Jordanian experience which stands for the qualified technical and managerial staff of NEPCO, and the Japanese Technology which stands for the modern equipment in order to ensure achieving the objectives of this program

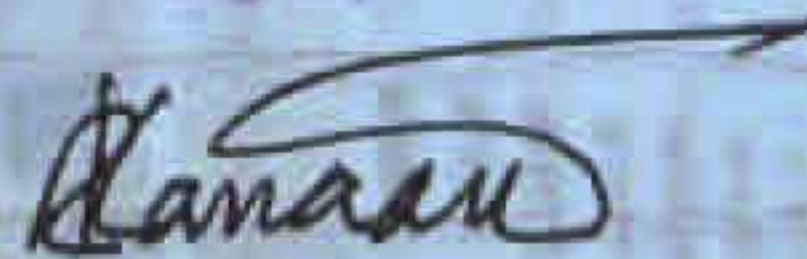
We trust this program will be of interest to the Ministry of Electricity of Iraq and hereby invite the Ministry to nominate their candidates.

*Deputy Representative
Iraq Unit*

*JICA Jordan office
Okubo Hisatoshi*



*Manager, NEPCO International
Eng. Riyad Kanaan*



*Managing Director Assistant Operations Affairs
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