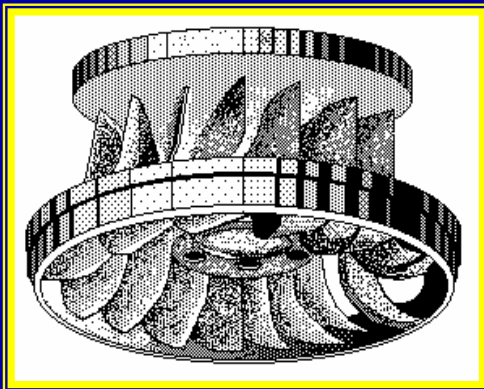




Welcome To EDL-Training Center



Brief History of EDL-Training Center

Since 1967

The training Center has establish

Participant

After elementary or secondary School

Time duration

2 Years

After completion

Certificate as Technician and

Assistant Technician

1976 – 1982

The training Center was organized by Ministry of Industry and Handicraft

Participant

Who have worked in company which are in responsibility of MIH

Time duration

2 Years

After completion

Certificate as Technician and Assistant Technician

1982 – 1990

The training Center was organized by EDL

Participant

Who have worked in company which are in responsibility of MIH

Time duration

2 Years

After completion

Certificate as Technician and Assistant Technician

1990 – 1999

The Short training course was started

Participant

Skilled Persons almost in Distribution Field

Time duration

2 -3 weeks

After completion

Certificate

2001 – Now

The Short training course was continued

Participant

Skilled Persons, Hydropower Gen.

Time duration

2 -5 weeks

After completion

Certificate

After above, we also provide the special course for the project as the tailor made

Participant Who have the basic knowledge for the job

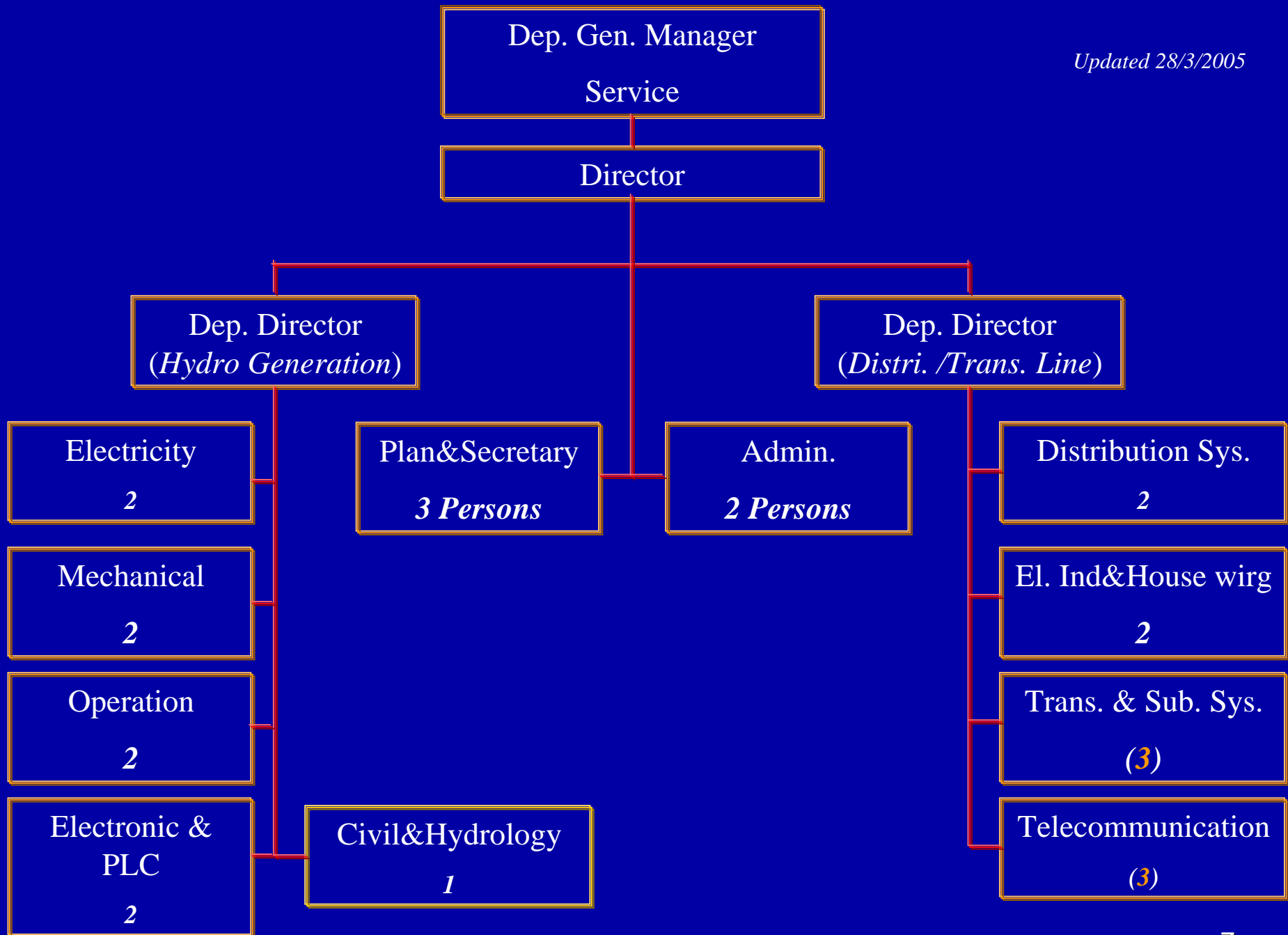
Time duration 3 - 40 weeks (depend on the course objective and agreement)

After completion Certificate

Staffing Structure

(Updated March 2005)

- **Number of staffs : 21 persons , Female 3**
 - **Trainers : 16**
 - **Administrator : 5**
 - **Cleaner and Garden : 4 (contract Employee)**
-



The Main Scope of Service

- 1. EDL-TC organize the training course for all electric hydro generation, transmission, substation, distribution and end user**
- 2. Develop the knowledge in theory, laboratory and practice of EDL-staffs in operation and Maintenance of EDL 's business, like facilities of hydropower generation, substation transmission line and distribution line**
- 3. We also train the new staff for new HPP or new electrical system in On or Off grid areas**
- 4. Train the staff from another companies which are interesting their topic.**

Curriculum

- **The curriculums have been divided in to three Categories such as**
 - 1. Management**
 - 2. Hydro Generation**
 - 3. Distribution**

Course Titles for Management Training

1. Customer Service
2. Problem Solving
3. Demand Side Management
4. Planning Establish and Follow up
5. Store Management

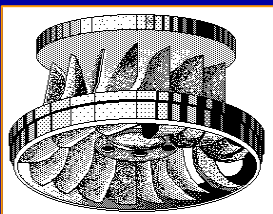


- 6. Personal Safety Level 1**
 - 7. Personal Safety Level 2**
 - 8. Plant Safety**
 - 9. First Aid**
-

Hydro Generation

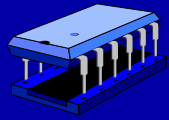
divided into 4 groups:

- 1. Electrical Knowledge & Maintenance**
- 2. PLC, Electronic & Computer**
- 3. Operation Knowledge**
- 4. Mechanical Knowledge & Maintenance**



The Courses in Electrical Group for HG:

- **G21 : General Electric**
- **E31 : Electro Technique**
- **E32 : Technology of Equipment for HPP**
- **E33 : Protection and Control System**
- **E41 : Speed Governor**
-
.....



PLC , Electronic & Computer

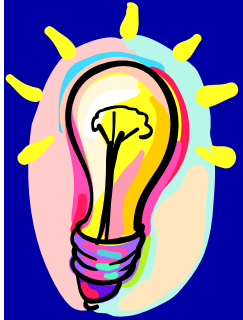
- **I11 : Basic Electronic**
- **I12 : Industrial Electronic**
- **I21 : Programmable Logic Controller Level 1**
- **I22 : Programmable Logic Controller Level 2**
- **I31 : Microsoft Office**
-
.....

The Courses in Operation Group:

- **H11 : Notion for Equipment of HPP**
- **H12 : Process Production of HPP**
- **H21 : Technology Equipment of HPP**
- **H22 : Operation Water Level**
- **H23 : Civil Work**
- **H24 : Dam Monitoring**
-

The Courses in mechanical group:

- **M11 : General Technology of Hydro Power Plant**
 - **M12 : Technology of HPP Level 2**
 - **M21 : Maintenance Mechanicals Part of HPP**
 - **M22 : Measure and Set Shape Alignment**
 - **M41 : Welding and Verifier track**
-



Distribution Courses

divided in 4 groups such as :

- 1. Maintenance Network 22KV and Distribution Transformer**
- 2. 115/22KV Substation and Transmission line**
- 3. House and Industrial wiring**
- 4. Telecommunication**

Maintenance Network and Distribution Transformer

- 1001 : Maintenance Batteries**
- 1002 : Maintenance of Distribution
Transformer**
- 1004 : General Electric**
- 1005 : Energy Meter Installation**
- 1009 : Distribution Network
Inspection**

Substation & Transmission (115/22 KV)

1006 : Operation Foreman

1007 : Substation operator

**1008 : High Voltage Substation
Maintenance**

.....

House and Industrial wiring :

1018 : House Wiring

1019 : Industrial Wiring

1020 : Design of Service Line

1021 : Energy Meter Calibration

.....



Telecommunication System



*Since 1995 are there
45 Courses and
can be formed in
31 jobs*

Duration & Number of the Trainees

- **Average Duration not less than 2 weeks**
- **Average number of trainees for a course is not less than 8 and not more than 12 persons**

Training Experience

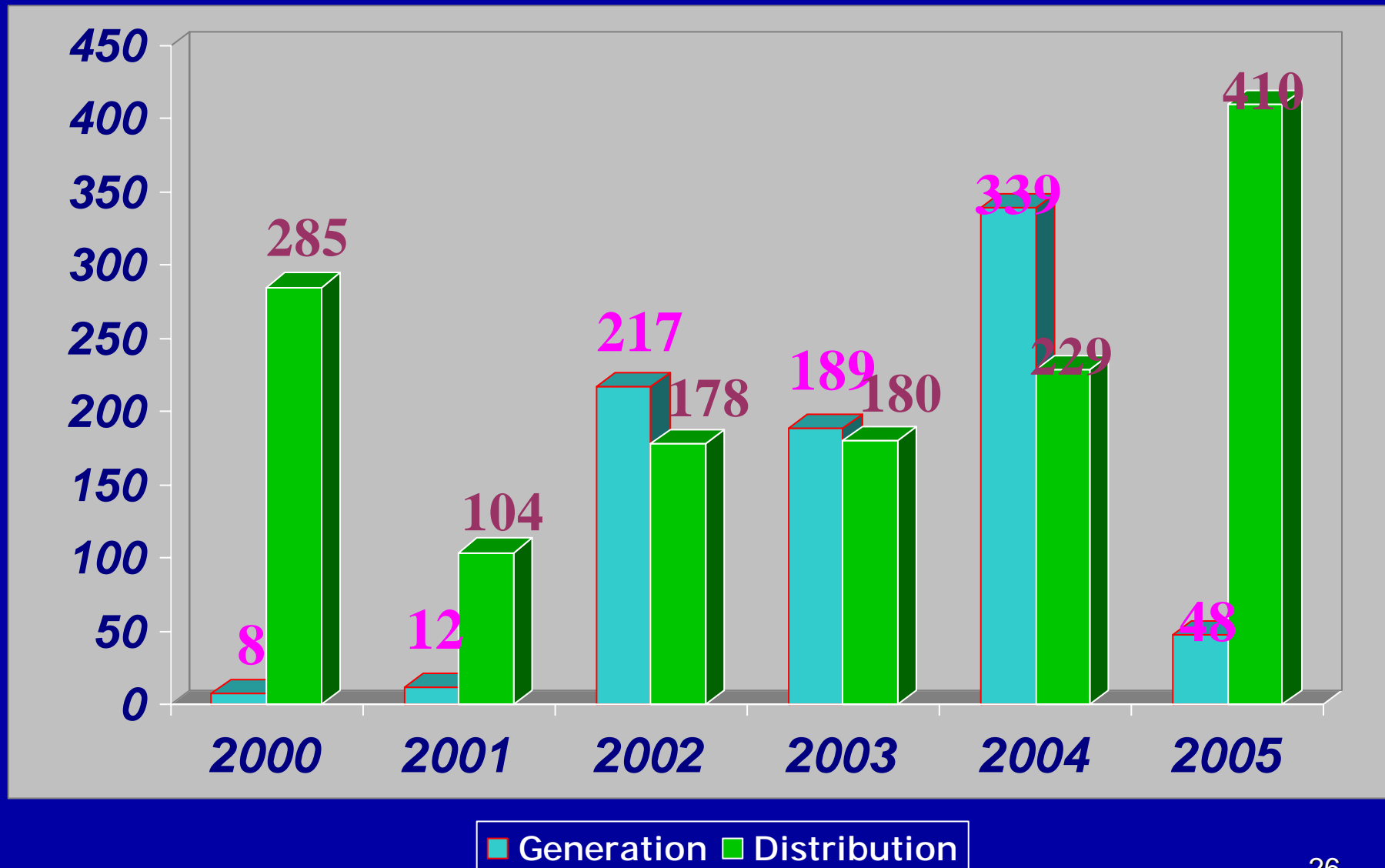
EDL-TC have trained for All HPP in Lao PDR.

- 1. 1989-90 : O&M Xeset HPP (45 MW)**
- 2. 1995-96 : O&M Theun Hinboun (210 MW)**
- 3. 1998 : O&M Hoy Ho HPP (150MW)**
- 4. 1998 : O&M Nam Sat (250KW), support by USA Government**
- 5. 1999 : O&M Nam Mong (70KW), support by Japanese Government**

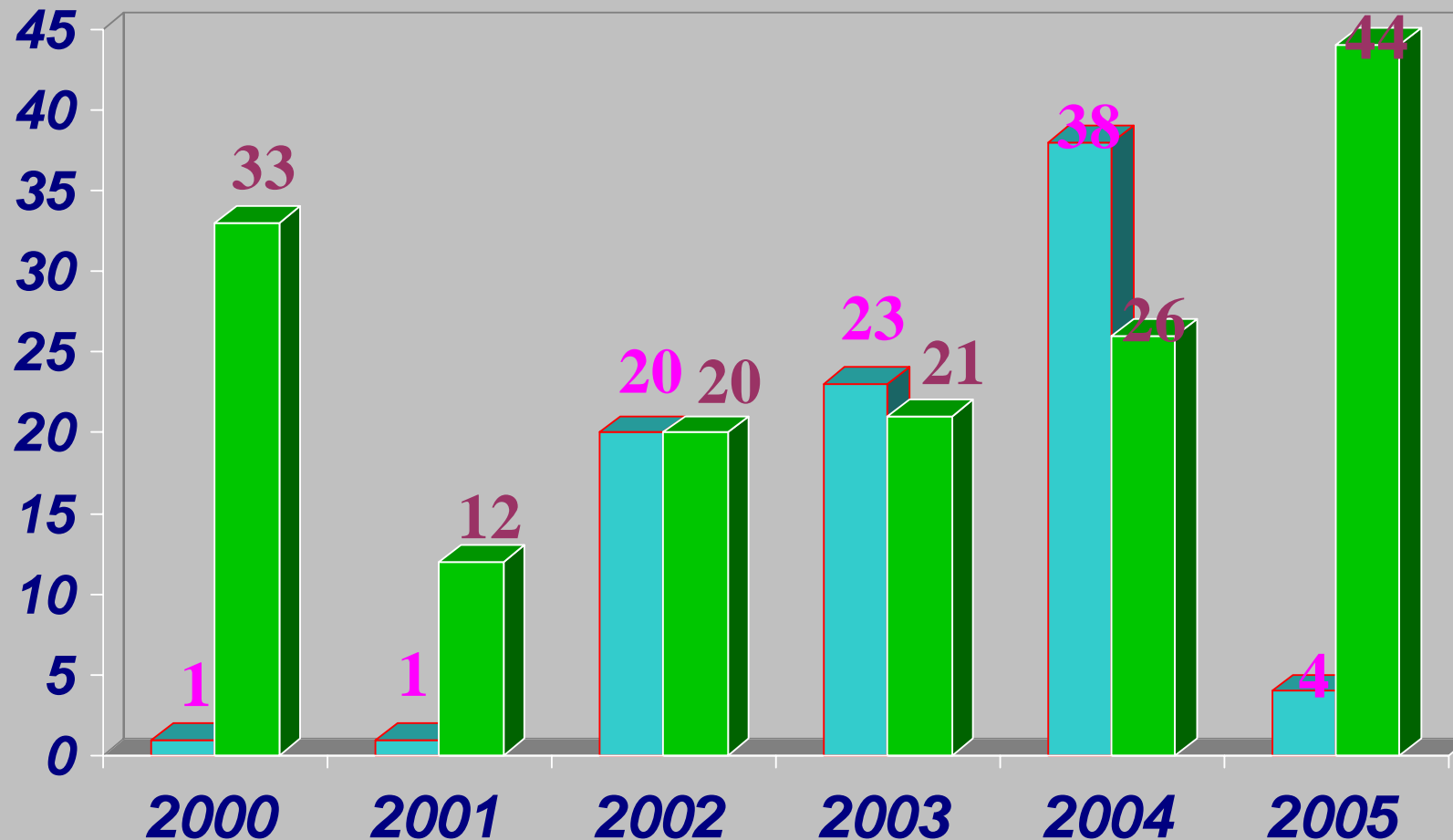
Training Experience

- 6. 2002** : **O&M Namla HPP 104KW**
- 7. 2002** : **O&M Nam Tha- 3 (1250KW)**
- 8. 2003** : **O&M Hoy Se Hybrid PP (80KW) support by Japanese Government**
- 9. 2003** : **O&M Nam Mang 3 (46 MW) EDL.**
- 10.2004** : **Operator for 115/22 Kv Substation**
- 11.2005** : **Operator for 115/22 Kv Sub.**

Number of Trainee (2000 - 2005)



IX. Number of Training Courses (2000 - 2004)



■ Generation ■ Distribution

LAO -Thai Friendship Road

LAO -Thai Friendship Road

Areas
 $= 17,000 \text{ m}^2$

LAO -Thai Friendship Road

GATE 2

Over view of EDL TC

A

B

F

Garden

Garden

E

F

D

C

G

Multipurpose Areas

LAO -Thai Friendship Road

GATE 1



The Facilities



Building A

Administrative Office

Document Production





