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FINAL REPORT

ON

TRAINING WORKSHOP ON INDUSTRIAL PLANNING IN THAILAND

SUBMITTED

TO

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)

SUBMITTED

BY

THE TRAINING COURSE DIRECTOR : DR. WIWATCHAI ATTHAKOR

SCHOOL OF DEVELOPMENT ECONOMICS

THE NATIONAL INSTITUTE OF DEVELOPMENT ADMINISTRATION (NIDA)

KLONGJAN, BANGKAPI, BANGKOK 10240, THAILAND

The "Training Workshop on Industrial Planning in Thailand" started on January 6, 1992 and was successfully completed on January 15, 1992 at the National Institute of Development Administration (NIDA), Bangkok, Thailand. The opening session was presided over by Dr. Chakrit Buranasarit, Director-General of the Office of Industrial Economics. In his opening address, he highlighted the importance of such a training programme in industrial development in Thailand. He emphasized the need of personnel development in the field of industrial planning through such training. He also expressed his thanks and appreciation to United Nations and Industrial Development Organization (UNIDO) for granting the financial support and to the NIDA for organizing this training programme.

Next speaker, Mr. Nils Ram-Ericson, UNIDO Country Director, in his remark, pointed to the importance of such a training programme in the industrial planning strategy and industrial development of Thailand. Welcoming the participants, Dr. Prakob Chirakiti, Vice Rector for Academic Affairs, NIDA, shed light on the training programme. Mrs. Orapin Weerawut Duputy Director-General, the office of Industrial Economics and other senior staff also joined the opening ceremony.

For the closing of the training programme, the Rector of the NIDA, Dr. Purachai Piamsomboon presided over the meeting and distributed certificates to the participants. Also present on the occasion were Dr. Wuttithep Indhapanya, Dean, School of Development Economics, Dr. Wit Satayarakwit, Associate Dean, Dr. Prasit Tongyingsiri, Dr. Klin-keo P. Chintakananda, Dr. Wiwatchai Atthakor and other staff of the School of Development Economics.

This training course on Industrial Planning in Thailand was intended primarily to acquaint the participants with the concepts, techniques and methodologies of industrial planning and development and enhance their experience and skills for effectively carrying out the tasks of industrial planning and promotion in Thailand. The methodology employed in the training was lectures, discussion, case studies, exercises and workshops.

The training course covered the following eight key elements:

- 1) Industrial planning in the context of macro-economic planning;
- 2) Sub-sectorial planning;
- 3) Regional/locational planning;
- 4) Industrial demand projections;
- 5) Industrial planning in Thailand
- 6) Translation of national policies, strategies and guidelines into action plan and programme of industrial development;
- 7) Investment planning and project selection;
- 8) Industrial project preparation, appraisal and monitoring.

The training workshop was organized for eight working days during January 6-10 and 13-15, 1992. The total duration of the training was forty eight hours.

Altogether 31 participants from the Office of Industrial Economics, Ministry of Industrial, took part in the programme (See Attached list of participants and their background information). Throughout the training sessions, the participants showed their real enthusiasm by actively involving themselves in discussions, presentations and comments. Some participants raised several

interesting problems related to their job. Such lively participation was also made possible by a more informal and participatory atmosphere created during the training.

The topics covered in the first two days of the training programme provided general understanding of industrial planning in the context of Thailand. Issues relating to industrial planning, macro-economic planning, sectoral and project planning, industrial policy analysis, the role of industrial sector and foreign trade and investment, future trend of industrialization in Thailand, import substitution and export promotion strategies, case studies of translation of policy to distribute industrial to provinces and policy to promote export-oriented type of industries etc. were discussed during the first two days. During the next six days of the training, participants were introduced to various tools and techniques involved in industrial planning such as econometric method of industrial demand forecasting, I/O, DRC, ERP, NPV, B/C, IRR, N/K, least cost method, crossover discount rate, regional/locational planning techniques, sub-sectorial planning techniques, industrial project monitoring techniques etc. Exercises and case studies in the context of Thailand were also provided. Ten discussion papers (in Thai) and several reference materials were distributed to participants (approximately 250 pages altogether).

Regarding to evaluation of the effectiveness of the training by questionnaire, the results were as follows: the content of the training course has served their training needs (94% of total participants), the course content has been greatly relevant to their job at the Ministry of Industry (87% of them), the training has enriched their knowledge of industrial planning tools and techniques to a great extent (97% of them), knowledge and practical skills

acquired from the training can be applied to their job at the Ministry of Industry to a large degree (90% of them), all participants were satisfied with the papers, case studies and reference materials distributed to them (100% of them).

The participants expressed their view that the training covered a comprehensive list of topics pertaining to industrial planning in Thailand. Overall, the participants found that training programme provided them with enhanced knowledge on both theoretical and practical aspects of a sound industrial planning system. They felt that the experience gained during the training will help improve their job performance. Some participants suggested that as the industrial world is changing rapidly, training programme like this should be organized in every 2-3 years in order for industrial planners to learn new knowledge and techniques.

The participants were grateful to the faculty for conducting the training smoothly and in line with the stated objectives. They expressed their view about the training and the faculty with sincere thanks and appreciation. The faculty was appreciative of the cooperation, cordial, friendly and yet disciplined attitude shown by the participants and enjoyed working with them.

Some important problems and issues raised by participants relating to industrial planning in Thailand are such as lack of systematic and coherent data base, lack of trained manpower capable of appraising, monitoring, and evaluation of industrial projects systematically, lack of long term systematic planning, lack of research work supporting industrial planning and policy formulation, lack of clearly-defined plans to cope with small industries, lack of

appropriate strategy and techniques to adjust on-going policy and measures.

We feel training programmes be promoted as a follow up to this training to focus on problems raised during the training. Newly recruited personnel of the Office of Industrial Economics seems to increase significantly in the coming years. The training programmes like the one just completed should be organized for them as well. In addition, an international training workshop for industrial planners in ASEAN countries should be promoted in order for them to have opportunity to exchange views and experiences. There are lessons to be learned from neighbouring countries.

APPENDIX

- A. List of Participants
- B. Information Background of Participants
- C. Certificate

APPENDIX A

List of Participants

1. MRS. UNAPORN CHOCHOTTIROS
2. MS. VISAVARONEE ONSUWAN
3. MR. ANON SETHAKRIANGKRAI
4. MRS. BURLUAN BENJASRI
5. MRS. ORNTIPA KRITTAPHOL
6. MS. CHITRA SAWANGSRI
7. MRS. PAIRIN YAMCHINDA
8. MS. TISSINEE TANTIYAMAS
9. MR. CHATGRAVARN JEENLERD
10. MRS. PENWIPA TRISIRIPANIT
11. MS. CHONGRUK LEK-UDOM
12. MR. AKRAWAT WETTAYAVATIN
13. MRS. SIRAPORN WONGVITATCHAI
14. MRS. SOMAPHAN VAJARASATHIRA
15. MR. PONGSAWAD CRAPINPONG
16. MRS. PIYANUCH SIRAYAPORN
17. MS. VENUS SUETRONG
18. MR. PICHAJ TANGCHANACHALANAN
19. MR. UDOM MEEPHAYUNG
20. MR. WALLOP CHAISREE

21. MR. FREEDA ATTAVINIJTRAKARN
22. MS. SUTASINEE PHUNSAGA
23. MR. ITTHICHAJ YOSSRI
24. MRS. NANGVOI WETAYAPONG
25. MS. WANNA THONGCHAROENSIRIKUL
26. MS. RATANA EIAMKANITCHAT
27. MR. BOONTAM PROM-IEM
28. MR. SAKON KANJANARUNGSRI
29. MR. TAKSIN UNWANATHAM
30. MR. SOMBAT SINGKARAT
31. MR. CHETSADA UDOMKIJMONGKHON

APPENDIX B

Information Background of Participants

<u>Category</u>	<u>Number</u>	<u>%</u>
1. <u>Sex</u>		
Male	14	45.2
Female	<u>17</u>	<u>54.8</u>
<u>Total</u>	<u>31</u>	<u>100.0</u>
2. <u>Age</u>		
<u>Years of age</u>		
Less than 30	3	9.7
30 - 34	11	35.5
35 - 39	11	35.5
40 - 44	4	12.9
Equal to or more than 45	<u>2</u>	<u>6.4</u>
<u>Total</u>	<u>31</u>	<u>100.0</u>
3. <u>Ranking according to position</u> <u>classification (c.)</u>		
C. 3	2	6.4
C. 4	8	25.8
C. 5	18	58.1
C. 6	<u>3</u>	<u>9.7</u>
<u>Total</u>	<u>31</u>	<u>100.0</u>

<u>Category</u>	<u>Number</u>	<u>%</u>
4. <u>Years of services in</u> <u>Ministry of Industry</u>		
Less than 5	5	29.0
5 - 9	10	32.3
10 - 14	9	29.0
Equal to or more than	2	6.5
No answer	<u>1</u>	<u>3.2</u>
	<u>Total</u>	<u>100.0</u>
5. <u>Education</u>		
B.A.	21	67.7
M.A.	<u>10</u>	<u>32.3</u>
	<u>Total</u>	<u>100.0</u>
6. <u>Fields of Study</u>		
Economics and Business		
Administration	21	67.7
Others	<u>10</u>	<u>32.3</u>
	<u>Total</u>	<u>100.0</u>
7. <u>Having experiences in</u> <u>participating in other</u> <u>training programmes related</u> <u>to industrial economics</u> <u>before</u>		
Yes	6	19.4
No	<u>25</u>	<u>80.6</u>
	<u>Total</u>	<u>100.0</u>