PROJECT VIE/85/019C "DEMONSTRATION OF CYCLONE - RESISTANT BUILDING TECHNIQUES IN BINH TRI THIEN ZONE"

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R E P O R T

THE STUDY TOUR ON CYCLONE PREVENTION IN THE PHILIPPINES

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Hanoi - November - 6. 1990

To : Mr. David Smith
Resident Representative of
UNDP in Vietnam.

To implement the Programme of the Sub-project No 3 VIE/85/019 "Demonstration of Cyclone - Resistant Building Techniques" - part of the Project VIE/85/019 "Disaster Preparedness and Rehabilitation in Binh Tri Thiên Zone" - On 24 October 1990, a group of technicians from the Sub-project was en route to the Philippines on a study tour.

Following are the 4 study tour participants :

1. Mr Nguyen Si Vien - Civil Engineer, Director of the Sub-project, Vice-Director of the Construction Department and Director of the Institute for Building Desig of Thua Thien - Hue province (IBD).

2. Mr Dang Mon - Civil Engineer, Director Assistant of the Sub-project, Chief of Technical Management Department of IBD.

3. Mr Phan Huu Hanh - Director of the Center for Scienti and Technical Information - Thua Thien - Hue, full member of the Sub-project and Enterpreter.

4. Mr Nguyên Tan Van - Architect of the Institute for Housing and Public Building Design (IHPBD), full mem of the Sub-project.

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The 14- day tour began on 24 October 1990 and ended on 6 November 1990.

In accordance with the plan, upon our arrival at Manila Airport, a Staff member from UNDP office in the Philippines met and took us to the Hotel where accommodation had been reserved for us. He accompanied us during our stay in the Philippines. And a programme of activities of our group was handed over to us.

In the first two days, 25 and 26 October 1990, we had working sessions with the Bureau of Emergency Assistance, Department of Social Welfare and Development (DSWD), making field visits to core shelter projects in 4 locations of Cavite and Laguna provinces which are the provinces frequently hit by cyclones every year (Incidentally, there are 25 weak or strong typhoons a year on the average in the Philippines). During these field trips, we observed very care fully and had a close study of all details of the core shelters related to cyclone-resistant principles such as the joints, braces (on struts, wooden frames, roof frames, ceilings ...)roofing materials etc... So that we can apply the advantageons points of the core shelters, if any, in the construction of private houses and small public buildings in Vietnam. At the same time, we exchanged opinions and made some remarks or suggestions with our colleaguesin the hope of helping them change or modify some details of the core shelters which were under construction or are going to be built. Our ideas and remarks were taken notes of and highly appreciated. Infuddition, we also acquainted ourselves with the role and the network of organisations engaged in the activities of social welfare before, during and after atyphson or a flood from the Central level down to the grassroots level. Meetings and exchanges of information were arranged between our study tour party and the authorities of the places we visited on how to give material, financial and spiritual support to over come and rehabilitate the consequences caused by natural calamities. We didn't fail to sound out the opinions of the beneficiaries of the core shelter project. Our group also raced against time to organise 2 lectures on "The 10 key typhoon-resistant buildung principles" and "the Public Education Campaign"

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regarding them as useful exchanges of experience.

The following days, we contacted different Bureau, Divisions and Sections of the Department of Public Works and Highways (DPWH), or rather, we worked with the Bureau of Research and Standards (BRS), Bureau of Design and Bureau of Construction.

We listened to varions presentations given by functionaries of DPWH on its functions and on the role of BRS in government in-frastructure projects. Discussions were conducted on DPWH Quality Assurance Programmes, on BRS programmes, on Material Quality Control for Building Constructions, on Disaster Resistant Design Standards for Building, on Disaster Resistant Construction Standards and Techniques for Buildings, on Disaster Resistant Building Projects of National Capital Region (NCR). During these discussions, on our part, we did ask and exchange lots of questions and views relative to building material quality control, construction Supervision, penalties as well as incentives for contractors. We also toured the BRS Laboratory and 3 typhoon-prone places in Metro Manila, where some typrical designs of Elementary Schools had been Completed or are being built and some low-cost buildings. At these institutions, we, too, exchanged views, technical information and publications.

Our remarks, evaluations and results obtained from the sudy tour are as follows :

1. With a country having natural and climatic conditions the land and people practically similar to those of Vietnam, the choice and organisation of the study tour to the Philippines is exact. And what the Philippinos have done and are do doing for disaster prepared-ness are very useful for us. We shall try to apply creatively what we have benefitled from the tour in the construction of cyclone-resistant building.

2. The Philippines are very experienced in the nation-wide management and oraganisation of disaster preparedness, and the role of their leadership manifests itself clearly in their support for disaster control before, during and after natural scourges.

3. The building of houses for the people and of the

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elementary schools at disaster- stricken areas with local and domestically available materials is both in gear with our views and very practical.

4. Because of the limitation of time and the fixed programme of activities, we had wo change to go dreper in our survey of different types of houses at typhoon-prone areas.

5. We'd like to express our heartfelt and sineere thanks to the offices of UNDP in Vietnam and the Philippines for having created all the most favourable conditions for us to make our study tour fruitful, interesting and useful.

Hanoi, 6 November. 1990

Director of the Sub-project
VIE/85/019C

Nguyễn-sĩ-Viên

Nơi gửi :
- Ông David Smith
- Ông Phạm Bá Diễn - Tổng Giám đốc dự án
- Ông Trương Nguyên Mân viện Thiết kế Nhà ở CTCC Bộ Xây dựng.