

## **CHAPTER 3**

# **IMPLEMENTATION OF THE PROJECT**



## **CHAPTER 3 IMPLEMENTATION OF THE PROJECT**

### **3.1 Implementation Plan**

#### **3.1.1 Implementation Principles**

##### **(1) Basic Framework for Project Implementation**

The actual implementation of the Project, i.e. the Project for Improvement of the Facilities of Primary Schools (Phase IV) in the Socialist Republic of Viet Nam, will require the cabinet approval of the Government of Japan following examination of the details of the Project by the Japanese government organizations concerned provided by the present Basic Design Report. After such a decision has been made, the Exchange of Notes (E/N) will be signed by the Government of Japan and the Government of Viet Nam to proceed to the implementation stage. The Project will then be implemented in accordance with the agreements concluded between the Project Implementation Agency in Viet Nam and the Japanese Consultant and Japanese Contractor pursuant to the grant aid system of the Government of Japan. These 2 separate agreements will be required to be certified by the Government of Japan.

##### **(2) Project Implementation System**

The party to the E/N regarding the implementation of the Project on the Vietnamese side will be the Ministry of Education and Training which will also act as the Project Implementation Agency. The Project Management Committee, headed by the Vice-Minister of the Ministry of Education and Training, will have the actual management responsibility for the Project.

The party on the Vietnamese side to the design and supervision agreement with the Consultant and to the construction agreement with the Contractor will be the Ministry of Education and Training. The Project Management Committee will also be responsible for land preparation and power supply at all the subject sites even though the work will be directly conducted by the Provincial and District People's Committees governing these sites. The work involving the special technologies required by the planned facilities will be arranged by the Institute for Research and Design of Schools (IRDS) in its capacity of a member of the Project Management Committee.

(3) Consultant

Following the signing of the E/N by the two governments, the Ministry of Education and Training will conclude a design and supervision agreement, involving the detailed design and supervision of the construction work, with a Japanese consultancy firm. In view of the smooth progress of the Project, the Consultant involved in the basic design of the Project will be awarded a contract to conduct the detailed design and construction work supervision. Upon certification of the agreement by the Government of Japan, the Consultant will conduct the detailed design for the planned facilities and equipment, etc. through consultations with the Project Management Committee of the Ministry of Education and Training, will expand the findings of the Basic Design Report and will also prepare the tender documents. Following approval of the detailed design and tender documents by the Ministry of Education and Training, the Consultant will conduct the tender procedure to select the Contractor on behalf of the Project Implementation Agency, i.e. Ministry of Education and Training, and will also supervise the entire construction work conducted by the Contractor.

(4) Contractor

The work of the Contractor will consist of the construction of the school facilities and procurement of educational equipment and materials. The successful Contractor will be selected through open competitive bidding held for Japanese construction companies with the appropriate qualifications. In principle, the lowest bidder will be declared successful and will conclude a construction agreement with the Ministry of Education and Training. Upon certification of the construction agreement by the Government of Japan, the Contractor will complete the construction work within the period specified by the agreement and will hand over the completed facilities, together with the duly procured educational equipment and materials, to the Ministry of Education and Training after inspection of their satisfactory condition.

(5) Areas of Work for Local Consultant and Sub-Contractors

Many private consultancy and construction companies have been established in Viet Nam since the introduction of market economy principles. However, their achievements so far do not appear good enough vis-a-vis undertaking a major project. In the case of a major construction project for primary school facilities such as the Project, the organization with the highest technical capability and experience to act as a consultant for the Project is the Institute for Research and Design of Schools of the Ministry of Education and Training. As the said Institute has the dual character of a subordinate organization of the Ministry of Education and Training and a business enterprise, it will be able to jointly work with the

Japanese Consultant to prepare the detailed design drawings or can be commissioned to conduct some of the work involved. The Institute can also provide assistant supervisors to assist the Consultant with the supervision work. The appointment of people conversant with the primary school building specifications in Viet Nam is deemed appropriate as they will be able to assist the on-site staff members of the Consultant to efficiently conduct the supervision of the application of uniform technical standards given the many construction sites under the Project.

Local construction companies include those controlled by the Ministry of Construction and Ministry of Transport and Telecommunications and private companies. Both public and private construction companies have been acquiring expertise and experience in recent years with the injection of foreign capital. These companies will act as sub-contractors for the Japanese Contractor in the implementation of the construction work under the Project. Although the construction work size at each site under the Project is small, the overall construction work size is quite large because of the involvement of 80 sites in 7 provinces. Given the capability and experience of local companies, the appropriate division of the Project Area is desirable in view of the appointment of a local sub-contractor for each area. The establishment of uniform work processes is essential in order to complete the construction work at all sites on time and the use of Japanese process control techniques, etc. should prove both necessary and decisive.

### **3.1.2 Implementation Conditions**

#### **(1) General Conditions of Local Construction Industry and Regional Characteristics**

##### **1) Local Construction Industry**

The 6 coastal provinces in the southern-central part of Viet Nam and Quang Ninh Province in the north where the Project will be implemented are known as areas of less socioeconomic development in Viet Nam. The main local industries are agriculture and marginal coastal fisheries. Apart from urbanised areas, the construction demand is low except for some public works, minor business facilities and housing development. The development of such infrastructure components as roads, bridges and river improvement works in these provinces also lags behind other provinces. Construction-related local industries include brick-making and the manufacture of roof tiles. Construction timber is also produced locally. The local construction companies are public companies, the operation of which is supervised by the People's Committee of each province, and some private companies established since the introduction of a market economy.

## 2) Labour Conditions

There tends to be a general surplus of simple labourers in rural and mountainous areas while there is a shortage of skilled workers who are specialised in structural work, finishing work and building services work. In central Viet Nam, local construction workers appear to have a general understanding of systematic building processes. Nevertheless, it is essential that local construction methods and materials with which local construction workers are familiar mainly be used with effective and appropriate technical improvements. In order to complete the construction work on time at the many sites anticipated by the Project while maintaining a uniform technical level, the services of a sufficient number of skilled workers should be secured through multiple local sub-contractors, backed by the assignment of many foremen to be responsible for the direct guidance and control of site workers, so that Japanese systematic work control techniques can be transferred to the Vietnamese side.

## 3) Construction Materials

The construction material procurement priority is placed on local materials to facilitate the post-project maintenance of the new facilities. To secure a stable supply of the main materials, i.e. cement and reinforcing bars, supply routes such major cities as Na Nang, Ho Chi Minh, Hai Phong and Hanoi should be established in addition to primary procurement routes within the 7 subject provinces in which the Project will be implemented.

Common wall bricks, roof tiles and floor materials are sufficiently available in each subject province. While 3 - 5 mm thick glass is available locally, supply routes from Hanoi and Ho Chi Minh should be considered for mass procurement. While aluminium window frames, etc. are available, high quality products are fairly expensive, making wooden louvre windows popular. However, locally produced wooden window frames, etc. have problems of unreliable precision and inadequate anti-termit treatment due to uneven timber quality and insufficient drying, etc.

Forms are generally made of wooden boards. The materials used for temporary construction, such as supporting materials and scaffolding, are usually made of timber, logs and bamboo. Steel supports are seldom used except for major construction work.

As reviewed above, almost all of the construction materials required for the construction work of the planned size under the Project can be obtained locally.

#### 4) Transportation Conditions

Many sites in the six provinces along the south-central coast are located within a distance of some 10 km from National Route 1 and, therefore, access to these sites is generally good. At some sites located in mountainous areas far from National Route 1, although the site access is rather poor because of unpaved roads and/or submersible bridges which are flooded with rain water at the time of rain, it does not constitute a major obstacle to the construction work under the Project.

In the case of Quang Ninh Province in the north, the road conditions of National Route 5 linking Hon Gai, the provincial capital, with Haiphong and Hanoi are not particularly good (road repair work is currently in progress with Japanese ODA) and some sections require a cross-river ferry due to the lack of bridges. Access to the sites from Hon Gai is generally poor and the presence of mountainous areas and islands (the use of a ferry is required for access) pushes up the overall construction cost although these factors do not constitute major obstacles to the construction work under the Project.

#### (2) Points to Note for Construction Work

The following points must be particularly noted in the construction of the planned school facilities under the Project.

- 1) The construction plan must ensure punctual and efficient construction work in order to complete the work at a large number of sites distributed over geographically wide areas (7 provinces) without compromising the construction standards.
- 2) The construction sites are largely classified as new sites and existing primary school sites. In the case of the latter, the construction plan must ensure the safety of pupils and others during the construction period and the school management at each site must be properly consulted in this regard.
- 3) Prior to the actual work, a demonstration of each type of work should be conducted so that the workers involved properly understand the principles, processes and objectives, etc. of the work. This demonstration will act as not only vocational training but also as the transfer of technology from Japan.
- 4) During the construction period, a monthly work progress meeting should be held with the participation of members of the School Construction Committee at the central government level (Ministry of Education and Training), provincial government level

(Education and Training Bureau) and district authority level (Education and Training Office) and representatives of the People's Committees. This regular meeting should be designed to provide detailed reporting on the work progress to the Vietnamese side in order to facilitate the latter's understanding of and cooperation for the work and to ensure proper budgetary appropriation, etc. by the latter.

- 5) The selection of local sub-contractors should, in principle, be based on judgement of the capability of provincial level construction companies.
- 6) The quality and quantitative availability of local construction materials must be carefully checked and multiple supply sources should be established to stimulate competitive pricing and also to ensure a stable supply.
- 7) The Project requires the mass manufacture of school fixtures, windows and doors, etc. in a short period of time. Because of the lack of a local timber plant capable of conducting integrated work, from the purchase of logs to processing and curing, a new timber plant will be constructed, as in the case of the previous projects, to prepare for the mass production of school fixtures, windows and doors.
- 8) In the case of a site which is known to have a history of submersion at the time of flooding, the final decision on the ground elevation and ground floor height must be very carefully made.
- 9) The following points must be carefully examined with a view to making improvements in terms of uneven floor subsidence, ground floor condensation, structural precision, quality control of windows and doors, etc. and manufacturing precision of desks and chairs, etc.
  - i) Ground : A geological survey (boring survey) should be conducted (by the Vietnamese side) at all the sites. At those sites which are judged to have soft ground and which have a relatively high normal groundwater table, ground improvement work and foundation work using bamboo piles, etc. will be conducted to create a sufficient soil bearing capacity. Following the ground improvement work, a simplified loading test should be conducted to confirm a minimum soil bearing capacity of 10 tons/m<sup>2</sup>.



- ii) Foundations : Concrete independent footing, continuous footing or pile foundations should be selected depending on the ground conditions of each site.
- iii) Slab-on-Earth : Slab-on-earth should be employed and the standard ground floor height should be 700 mm from the ground level (GL). Condensation on the ground floor should be prevented through the use of a damp-proof film.
- iv) Structure : A RC rigid frame with a brick masonry walls should be constructed.
- v) Floor : A RC slab floor should be constructed.
- vi) Roof : The concrete roof slabs should be covered by a brick PC truss with corrugated cement roof tiles to prevent damage due to typhoons and to prevent an excessive temperature rise indoors.
- vii) Finishing : Instead of the local finishing using mortar mixed with lime which does not have sufficient strength, normal mortar finishing should be employed with a highly weatherable resin pain finish.
- viii) Windows and Doors : Emphasis should be placed on a high wood quality and uniform standard. Anti-termite treatment and wood drying should be thoroughly conducted. Through the establishment of a wood processing factory, the mass production of high quality timber should be achieved under the technical guidance of Japanese experts.
- ix) Temporary Structures : In principle, local methods should be used although strong guidance should be provided for local sub-contractors so that they understand the need to improve the form materials, temporary construction methods and use of surveying equipment and also to strictly control the precision in terms of horizontal and vertical centering and to implement the improved work in order to improve the structural precision and quality and to shorten the construction period.
- x) Work Control : Systematic process control and work control techniques should be introduced through transfer from the Japanese to the Vietnamese side.

### **(3) Planning of Staged Construction Work**

Because of the involvement of 80 sites where almost 1,000 classrooms will be newly constructed and because of the wide geographical distribution of these sites in 7 provinces, including Quang Ninh in the north, it is judged appropriate to divide the construction work into two stages.

- Stage 1: Forty sites in Quang Nam Province, Da Nang City, Quang Ngai Province and Binh Dinh Province
- Stage 2: Forty sites in Phu Yen Province, Khanh Hoa Province, Binh Thuan Province and Quang Ninh Province

### **3.1.3 Scope of Work**

#### **(1) Division of Work**

The adoption of the following division of work between the Government of Viet Nam and Government of Japan appears appropriate in relation to the planned construction work under the Project.

##### **1) Work to be Undertaken by Japanese Side**

###### **i) Construction of Facilities**

Construction of the following types of primary schools consisting of a classroom building (classrooms and administration rooms) and toilet building and a water supply system using a well.

###### **ii) Provision of Equipment**

Provision of such school fixtures as teacher and pupil desks and chairs, cabinets and bookshelves and educational equipment, including blackboards, organs and textbooks, etc.

**Table 3-1 Number of Sites by School Type**

School Type	Stage 1	Stage 2	Total
8 Classroom School	5 (40 classrooms)	—	5 (40 classrooms)
9 Classroom School	7 (63 classrooms)	13 (117 classrooms)	20 (180 classrooms)
10 Classroom School	—	—	—
11 Classroom School	8 (88 classrooms)	6 (66 classrooms)	14 (154 classrooms)
12 Classroom School	1 (12 classrooms)	2 (24 classrooms)	3 (36 classrooms)
13 Classroom School	4 (52 classrooms)	9 (117 classrooms)	13 (169 classrooms)
14 Classroom School	—	—	—
15 Classroom School	8 (120 classrooms)	4 (60 classrooms)	12 (180 classrooms)
16 Classroom School	2 (32 classrooms)	—	2 (32 classrooms)
17 Classroom School	2 (34 classrooms)	1 (17 classrooms)	3 (51 classrooms)
18 Classroom School	—	—	—
19 Classroom School	2 (28 classrooms)	3 (57 classrooms)	5 (95 classrooms)
20 Classroom School	—	1 (20 classrooms)	1 (20 classrooms)
21 Classroom School	1 (21 classrooms)	—	1 (21 classrooms)
22 Classroom School	—	1 (22 classrooms)	1 (22 classrooms)
<b>Total</b>	<b>40 (500 classrooms)</b>	<b>40 (500 classrooms)</b>	<b>80 (1000 classrooms)</b>

**2) Work to be Undertaken by Vietnamese Side**

- i) Surveying and geological survey (boring survey) at all sites with a view to presenting all the findings to the Japanese Consultant prior to the commencement of the Detailed Design stage.
- ii) Land preparation, banking and removal of existing buildings and structures obstructing the construction work prior to the commencement of the construction work.
- iii) Provision of proper road access to each site.
- iv) Incidental outdoor work, such as ground preparation, landscaping, fencing and exterior lighting, etc.

### **3.1.4 Consultant Supervision**

#### **(1) Basic Principles for Detailed Design and Work Supervision**

The Consultant, responsible for the detailed design of the facilities and equipment for the Project, will be selected by the Ministry of Education and Training of the Government of Viet Nam from among Japanese consultants with the necessary experience in educational facility projects as well as grant aid projects and, therefore, which are capable of performing the required consultancy work for the Project. The selected Consultant will conduct the detailed design of the planned facilities and equipment through consultations with the Government of Viet Nam, taking the findings of the Basic Design Study into consideration, and will prepare the necessary tender documents. At the supervision stage of the construction work and equipment installation work, etc., the Consultant will appoint full-time, on-site supervisors to provide the necessary guidance for the Contractor and sub-contractors and to liaise with members of the School Construction Committee which represent the Ministry of Education and Training, the Provincial Education Bureaus, the District Education Offices, the People's Committees of local communities and the schools in question and also with other government ministries involved in the Project. The Consultant is expected to conduct the following work.

- 1) Detailed design (preparation of tender documents, such as specifications and detailed drawings, for the construction work and equipment installation work, etc.)
- 2) Arrangements for the tender process and construction agreement (preparation of construction agreement guidelines and draft construction agreement, preparation of construction work details, announcement of tender, pre-qualification work, tender supervision, assessment of bids, selection of Contractor, agreement negotiations on behalf of the client (Ministry of Education and Training) and witnessing of the agreement).
- 3) Inspection and approval of the drawings, etc. submitted by the Contractor (inspection and approval/disapproval of shop drawings, construction plan and samples of construction materials, building service materials and equipment to be submitted by the Contractor).
- 4) Work supervision (examination of the construction plan and construction schedule and provision of guidance for the Contractor).
- 5) Reporting of work progress (reporting of the work progress to the Ministry of Education and Training and other related organizations) and management of monthly

meetings between the School Construction Committee, of which members represent the Ministry of Education and Training and Provincial as well as District Education and Training Bureau/Office, and the Contractor).

- 6) Provision of assistance for the payment approval process (examination of invoices for various components of the construction work payable during the construction period and following the completion of the work).
- 7) Witnessing of inspection (inspection of work quantity completed at various stages between the commencement and completion of the construction work and inspection of work quality).

## (2) Supervision Regime

The Consultant will be responsible for supervising the quality, construction schedule and safety, etc. of the work to be conducted at 80 sites located in 7 different provinces for the successful implementation of the Project. In order to ensure appropriate supervision, effective liaisoning with the Project-related Vietnamese organizations at the central, provincial and district levels and which school authorities and the smooth progress of the construction work based on the design drawings, the Consultant will assign two Japanese engineers and several local or third country engineers as full-time staff members. In addition, the following experts will be dispatched from Japan at appropriate times.

- Architectural Engineer : Examination and approval of the colour scheme, material samples and shop drawings and inspection of the final handing-over
- Structural Engineer : Confirmation of and guidance on the land clearance, ground improvement and foundation work
- Building Services Engineer : Guidance on the building services work and inspection of the final handing-over

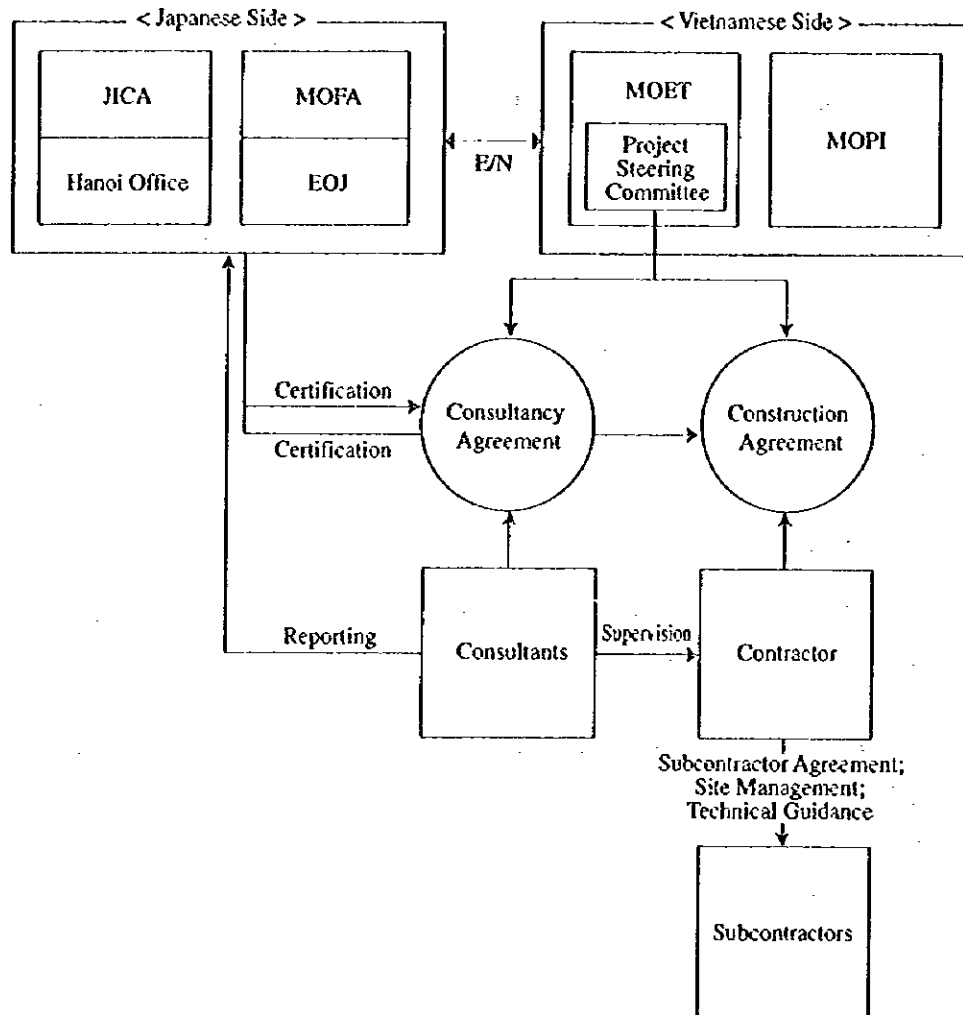


Fig.3-1 Project Management Organization

### (3) Work Supervision Regime

Because of the large number of construction sites in different parts of Viet Nam, the Japanese Contractor must maintain good communication with the subcontractors (local construction companies) to facilitate the joint work so that the planned facilities are completed within the schedule construction period while satisfying the specifications indicated by the design drawings. In order to achieve this with the limited budget and Japanese staff members, the Contractor will be required to not only conduct general management duties but also to accurately judge the capability of each subcontractor. Moreover, it will be necessary for the Contractor to establish a work management system using Vietnamese or third country site managers. The site management system deemed necessary in view of the scale and contents of the planned facilities under the Project is illustrated in Fig. 3-2.

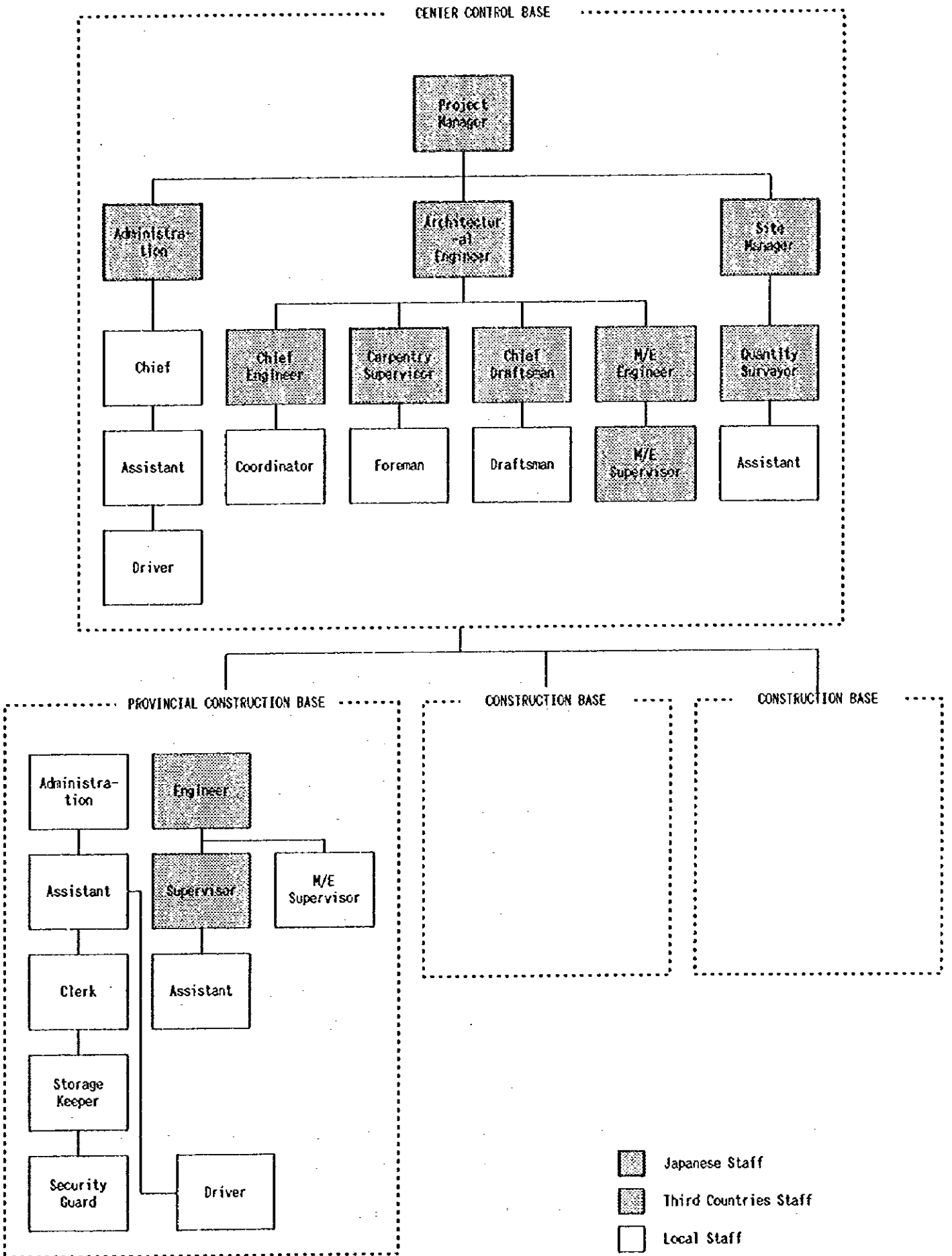


Fig. 3-2 Site Management Staff

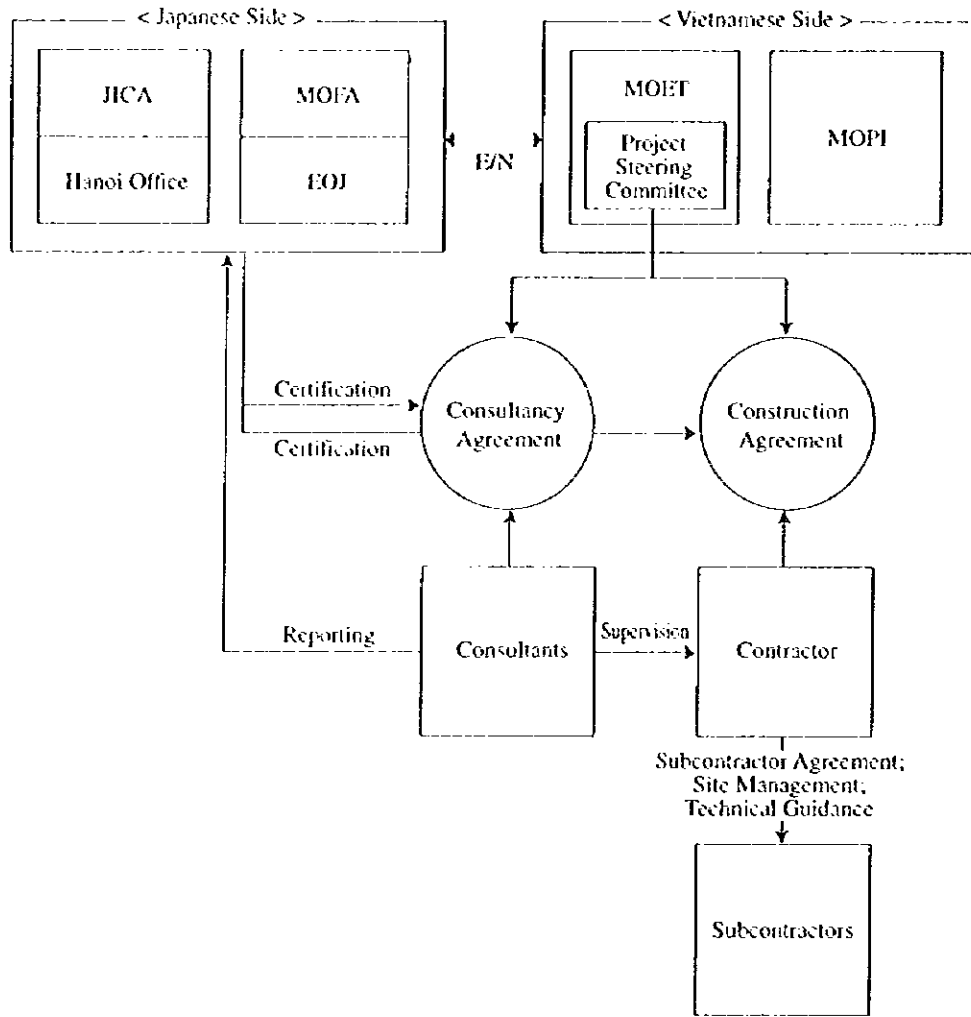


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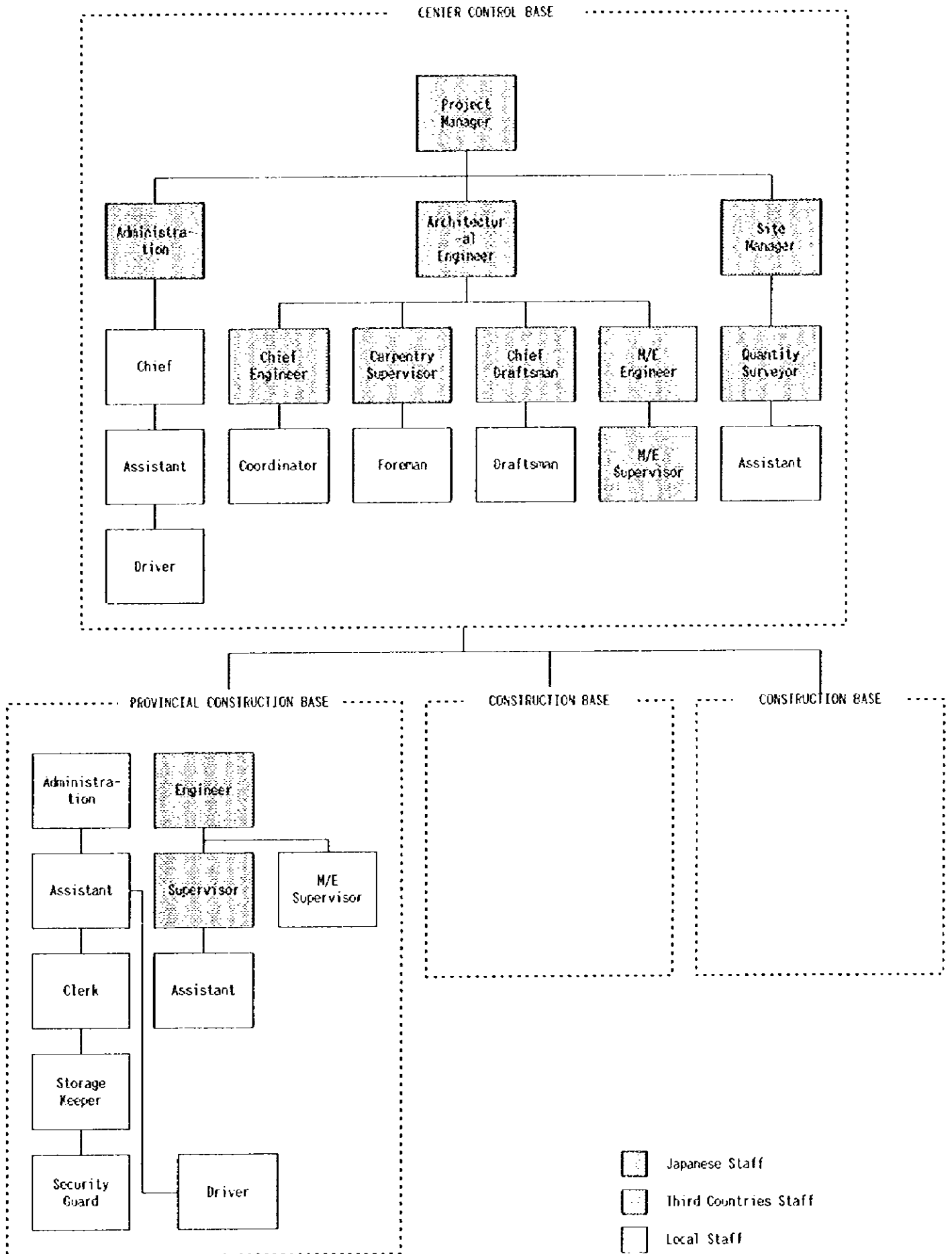


Fig 3-2 Site Management Staff

### **3.1.5 Procurement Plan**

In principle, all the main construction equipment and materials can be procured locally. Based on experience obtained in the previous phases, the construction equipment and materials will be procured locally for easy maintenance of the new school facilities in the future. The decision on local suppliers will be made based on the available volume, durability and other qualitative aspects of the materials to be supplied. Several suppliers will be selected in order to ensure the stable supply and quality of products. The procurement plan for the main equipment and materials is described below.

#### **(1) Structural Work**

- **Cement** : Locally produced cement
- **Reinforcing Bars** : Local or those products made in third countries and which are distributed in Viet Nam
- **Bricks** : Both structural and face bricks are available within the provincial or district boundary; the qualitative aspects, including the baking temperature, of the products must be carefully checked to ensure their durability
- **Aggregate** : Available within the provincial or district boundary; the existence of a large price gap between different areas must be taken into consideration when making the procurement decision
- **Concrete** : The concrete mixing at each site using a concrete mixer should be supported by clear indication of the cement, aggregate and sand mixing ratios (for example, one part cement, three parts aggregate and six parts sand) while the cement consumption volume should be checked to ensure a proper mix; concrete placing will use either a barrow or concrete bucket
- **Forms** : Wooden forms; careful attention should be paid to the building of pillars and beams, etc. to ensure high structural precision

#### **(2) Finishing Work, Windows and Doors**

- **Floor Materials** : There are many varieties of on-site, polished terrazzo masonry which suit the planned construction method very well
- **Wall Tiles** : Locally marketed ceramic tiles

- **Mortar** : Cement mortar to be arranged on site; strict quality control should be introduced by clearly indicating the mixing ratios
- **Paint** : Locally available products (either made in Viet Nam or a third country)
- **Wooden Windows and Doors** : Local products made of CHO TRI will, in principle, be used with the quality grade to be designated together with strict control of the anti-termite treatment and proper drying; based on experience obtained in the previous phases, a local wood processing plant will be constructed to mass produce the products while technical guidance is provided for local engineers
- **Glass** : 3 - 5 mm thick glass produced in Viet Nam
- **Louvre Windows** : Locally available products
- **Metal Fittings** : Locally available products
- **Roofing Materials** : Locally produced corrugated cement slates will be procured in the province or district

### **(3) Plumbing**

- **Piping** : Locally available products
- **Valves** : Locally available products
- **Sanitary Fixtures** : Locally available products
- **Well Pumps** : Locally available products

### **(4) Electrical Installations**

- **Lighting Fixtures** : Locally available products
- **Cables** : Locally available products
- **Conduits** : Locally available products (PVC conduit pipes)
- **Wiring Accessories** : Locally available products
- **Distribution Boards** : Locally available products
- **Lightning Rods** : Locally available products

**(5) Educational Equipment**

- Furniture : To be manufactured locally
- Blackboards : To be manufactured locally
- Teaching Materials : Locally available products (designated items by the Ministry of Education and Training)
- Organs : To be procured in Japan

**(6) Others**

For the overall control of the construction work, the Central Working Area will be established in Da Nang for the Stage 1 work and in Nha Trang and Hong Gai for the Stage 2 work. In this Area, a central office (Project Headquarters), wood processing plant, stock yard, equipment preparation room, reinforcing bars processing plant, form processing plant and accommodation facilities will be set up. In other provinces, a working area management office, stock yard, equipment preparation room, reinforcing bars processing plant, form processing plant and accommodation facilities will be set up in each working area and the equipment and materials required to construct these temporary facilities will be procured in Japan and from third countries.

Table 3-2 Construction Material Procurement Sources, etc.

Item	Viet Nam		Japan	Remarks
	Local Product	Product from Third Country		
Sand	○			Careful checking of the suppliers is required as the price varies from one area to another.
Gravel	○			
Cement	○			Multiple sources will be required in view of a possible supply shortage.
Form Materials	○			The Project area produce good timber and have a high level of wood processing activities.
Bricks	○			There is a brick factory in the Project area and the quality of locally available products is adequate. Bricks made at a high baking temperature should be selected.
Corrugated Cement Sheets	○			
Timber	○			Cho Tri timber should, in principle, be used as in the case of form materials.
Wooden Window Frames and Doors	○			Due to perceived problems of delivery and quality, a temporary wood processing plant will be established in each Central Working Area to ensure punctual delivery of high quality products and to improve the technical standard of subcontractors.
Blackboards	○			
Wooden Furniture	○			
Metal Fittings		○		
Paint		○		
Glass	○			
Roof Drains		○		
Louver Windows		○		
Wall Tiles		○		
On-Site Terrazzo Mansory	○			
Organs		○		
Piping	○	○		
Meters	○	○		
Valves	○	○		
Sanitary Fixtures		○		
Well Pumps		○		
Conduit Pipes	○	○		
Cables	○	○		
Power Boards	○	○		
Lightning Rods		○		
Lightning Fixtures		○		
Ceiling Fans		○		
Power Outlets		○		
Vehicles		○		
Construction Equipment and Materials for Temporary Facilities	○	○		
Stationary & Tele-communication Equipment	○	○		

### **3.1.6 Implementation Schedule**

If the Project is to be implemented with grant aid provided by the Government of Japan, a design and supervision agreement will be concluded between the Vietnamese Ministry of Education and Training and the Japanese Consultant following signing of the E/N by the two countries to commence the implementation of the Project. The Project will be implemented in 3 stages, i.e. (i) detailed design and preparation of tender documents, (ii) tender and conclusion of construction agreement and (iii) construction work.

#### **(1) Detailed Design and Preparation of Tender Documents**

Based on the contents of the Basic Design Report, the Consultant will conduct the detailed design of the facilities and will prepare the tender outline for the construction work and documents for legal agreements in line with the guidelines set by the Japanese grant aid system. Thorough consultations will be held with the Ministry of Education and Training for the preparation of the detailed design documents and the tender work will only commence after approval of the detailed design results by the Ministry of Education and Training.

#### **(2) Tender and Construction Agreement**

The Consultant will announce the tender for the Project in Japan on behalf of the Ministry of Education and Training, which is the Project Implementation Agency, and will conduct the pre-qualification of bidders for the construction work. The actual tender will take place in Japan, attended by officials of the Government of Viet Nam, and the pre-qualified construction companies will be invited to submit their bids. The bidder with the lowest bidding price will be declared the successful bidder provided that the contents of the bid are assessed as being adequate and will conclude the construction agreement with the Ministry of Education and Training. This agreement will become valid when certified by the Government of Japan. It is estimated that approximately five months will be required from the conclusion of the design and supervision agreement with the Consultant to the conclusion of the construction agreement.

#### **(3) Construction Work**

Following the signing of the construction agreement and certification of the agreement by the Government of Japan, the construction work will commence. The required construction period is assumed to be approximately seven months for a 10 classroom school and 8 - 10 months for an 18 classroom school. It will be possible to complete the entire construction work in 12 months by sliding the construction processes from one site

to another so that the staff and equipment/materials for the temporary facilities can be efficiently used without time-wasting.

Table 3-3 Project Implementation Schedule

	1	2	3	4	5	6	7	8	9	10	11	12
Basic Design (Total: 6 months)	[Bar from 1 to 1.5] (Consultancy Agreement, Field Survey)											
	[Bar from 1.5 to 4.5] (Detailed Design, Analysis in Japan)											
	[Bar from 3.5 to 4] (Field Survey)											
	[Bar from 4 to 4.5] (Tender)											

	1	2	3	4	5	6	7	8	9	10	11	12
Construction, Procurement (Total: 12.0 months)	[Bar from 1 to 3] (Temporary Work)											
	[Bar from 2 to 4] (Earth Work)											
	[Bar from 3 to 5.5] (Foundation Work)											
	[Bar from 5.5 to 8] (Structural Work)											
	[Bar from 7 to 9] (Roof Work)											
	[Bar from 7 to 10.5] (Finishing Work)											
	[Bar from 7 to 11] (Equipment Work)											
	[Bar from 8 to 10.5] (External Work)											
[Bar from 5.5 to 12] (Equipment Procurement, Delivery & Installation)												

### **3.1.7 Obligations of Government of Viet Nam**

The necessary measures to be taken by the Government of Viet Nam in connection with the implementation of the Project, agreed upon in the Minutes of Discussions for the Basic Design Study, are listed below.

- 1) Securing, clearance, levelling and reclamation of the sites for the Project prior to the Project's implementation.
- 2) Provision of a proper access road to each site.
- 3) Incidental outdoor work, such as gardening, fencing, exterior lighting and other incidental facilities, in and around each site, if necessary.
- 4) Bearing of the commission for the banking services of the Japanese foreign exchange bank based upon Banking Arrangement, i.e. the advise commission for "Authorisation to Pay" and payment commission.
- 5) Ensuring of the prompt unloading, tax exemption and customs clearance at the port of disembarkation in Viet Nam and prompt internal transportation of the materials and equipment provided by Japanese grant aid for the Project.
- 6) Exemption of Japanese nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in Viet Nam in respect of the supply of products and services under the verified contracts.
- 7) Accordance of all facilities necessary for Japanese nationals who as services may be required in connection with the supply of products and services under the verified contracts for their entry into Viet Nam and their stay in Viet Nam to conduct their work.
- 8) Provision of all necessary permission, licences and other authorization required for implementation of the Project.
- 9) Proper budgetary appropriation and provision of teaching and administrative staff members for the proper and effective operation and maintenance of the equipment provided with Japanese grant aid.
- 10) Bearing of all expenses, other than those to be borne by Japanese grant aid within the scope of the Project.



## **3.2 Operation and Maintenance Plan**

### **(1) Operation and Maintenance System**

The operation and maintenance of the new school facilities and equipment will be conducted by the school management committee, the members of which will consist of representatives of the District People's Committee, the headmaster, deputy headmaster and representatives of the parents. To be more precise, the headmaster and other teachers will be responsible for the safe-keeping and maintenance of the equipment while pupils, parents and local inhabitants will be responsible for the regular cleaning of the facilities. The septic tank should be thoroughly cleaned approximately twice a year to maintain the proper function of the toilets. In regard to other facilities, no maintenance or repair cost should be incurred for approximately 5 years after completion provided that they are used in a proper manner, except for the replacement of electric bulbs. When considering the long-term maintenance cost, it will be eventually necessary to replace or repair the wooden window frames, doors, metal fittings, water supply fittings and water pump, etc. All of these items will be locally available and their replacement or repair requirements can be adequately dealt with by local engineers.

### **(2) Operation and Maintenance Cost**

#### **1) Personnel Cost**

The Project aims at replacing deteriorated classrooms and adding new classrooms based on the present number of classes and does not anticipate an expansion of the school size. Consequently, no new teachers will be required and the personnel cost should be managed within the current budget.

#### **2) Electricity Cost**

The electrical installations planned under the Project consist of lighting and ceiling fans for the classrooms and staff room and a water pump for water supply purposes. As the total power load capacity will vary from one school to another due to different school sizes, the power cost estimation is based on the smallest and largest schools. The smallest school (8 classrooms) will have a power load capacity of 7.5 KVA while the largest school (18 classrooms) will have a power load capacity of 15.5 KVA.

In regard to lighting, it is assumed that natural lighting will meet the lighting requirements for daytime schooling and the daily lighting use is assumed to be 2 hours in the evening. It is assumed that the ceiling fans will be used for 6 hours a day in the summer period of 6 months. The operating hours of the water pump are assumed to be

2 hours a day for the smallest school (daily consumption of 3 m<sup>3</sup>) and 4 hours a day for the largest school (daily consumption of 6 m<sup>3</sup>) based on a water consumption rate of 5 - 8 litres/pupil/day.

• Unit Charge

① Lighting

Smallest School :  $3.2 \text{ KW} \times 2 \text{ hours/day} \times 22 \text{ days/month} \times 580 \text{ VN Dong} \times 12 = 979,768 \text{ VN Dong/year} \dots\dots\dots(a1)$

Largest School :  $6.7 \text{ KW} \times 2 \text{ hours/day} \times 22 \text{ days/month} \times 580 \text{ VN Dong} \times 12 = 2,051,808 \text{ VN Dong/year} \dots\dots\dots(a2)$

② Ceiling Fans

Smallest School :  $4.0 \text{ KW} \times 6 \text{ hours/day} \times 22 \text{ days/month} \times 580 \text{ VN Dong} \times 6 = 1,837,440 \text{ VN Dong/year} \dots\dots\dots(b1)$

Largest School :  $8.4 \text{ KW} \times 6 \text{ hours/day} \times 22 \text{ days/month} \times 580 \text{ VN Dong} \times 6 = 3,858,624 \text{ VN Dong/year} \dots\dots\dots(b2)$

③ Water Pump

Smallest School :  $0.15 \text{ KW} \times 2 \text{ hours/day} \times 22 \text{ days/month} \times 580 \text{ VN Dong} \times 12 = 45,936 \text{ VN Dong/year} \dots\dots\dots(c1)$

Largest School :  $0.15 \text{ KW} \times 4 \text{ hours/day} \times 22 \text{ days/month} \times 580 \text{ VN Dong} \times 12 = 91,372 \text{ VN Dong/year} \dots\dots\dots(c2)$

• Annual Electricity Bill

Smallest School :  $a1 + b1 + c1 = 2,900,000 \text{ VN Dong}$

Largest School :  $a2 + b2 + c2 = 6,000,000 \text{ VN Dong}$

### 3) Maintenance Cost

(Unit: 1,000 VN Dong)

Item	Frequency	Annual Cost
a. Replacement of Fluorescent Lamps	annually	508
b. Cleaning of Septic Tank	twice/year	assistance of local inhabitants
c. Painting of Doors and Window Frames	every 5 years	2,754
d. Replacement of Damaged Window Glass	every 10 years	1,770
e. Replacement of Water Pump	every 10 years	220
Total		5,252

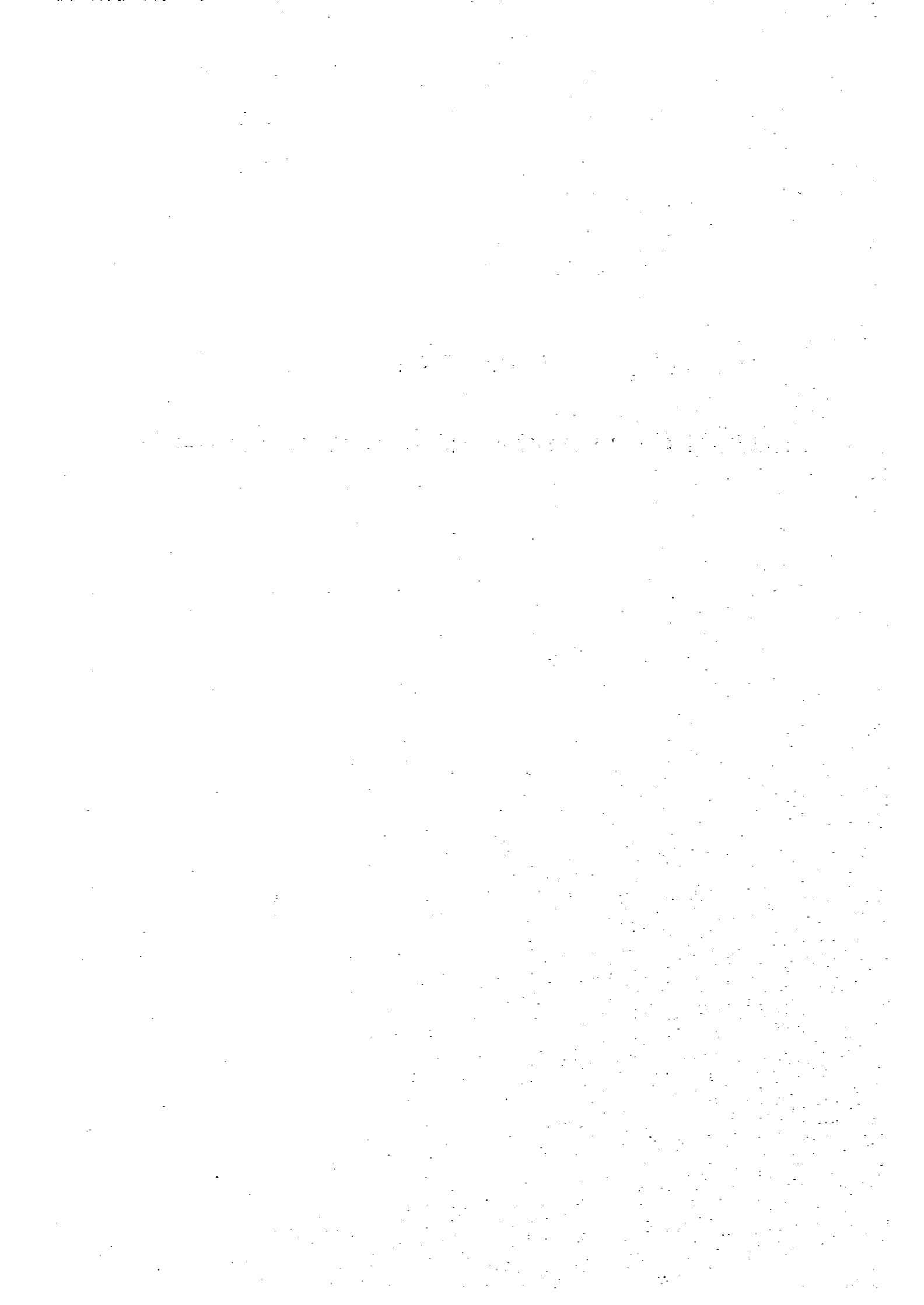
### 4) Operation and Maintenance Budget

The annual operation and management cost (water, lighting, heating and maintenance costs) of the subject schools for the 1995/96 fiscal year was an average of 18,000,000 VN Dong (¥130,000). In contrast, the annual operation and maintenance cost of these schools following completion of the Project will be 8,800,000 VN Dong (¥88,000), indicating that the operation and maintenance cost will be nearly halved. At present, the school operation and maintenance cost is mainly paid by local inhabitants and the implementation of the Project will reduce this financial burden.



## **CHAPTER 4**

# **PROJECT EVALUATION AND RECOMMENDATIONS**



## CHAPTER 4 PROJECT EVALUATION AND RECOMMENDATIONS

### 4.1 Evaluation of the Project

The economy of Viet Nam has been steadily growing since the adoption of Doi Moi, focusing on the introduction of a market economy and liberalisation of the domestic economy to the outside world. One of the pressing tasks facing Viet Nam to proceed with the shift towards a market economy is the creation of a labour force and capable manpower of uniform quality throughout the country which explains why education to develop human resources is a national development priority towards the year 2000. Based on this strategy, the Ministry of Education and Training has prepared the Five Year Educational Development Programme (1996 - 2000), of which the targets for primary education are: (i) increase of the course completion rate to 80%, (ii) increase of the number of pupils from 10.22 million to 11.29 million, (iii) sufficient distribution of textbooks for all of the nine subjects taught, (iv) training of 160,000 new teachers and re-training of 89,520 existing teachers, (v) eradication of three shift school system and (vi) construction/improvement of 79,216 classrooms. Given the level of GNP per capita of 250 US\$ (1996, World Bank), the Government of Viet Nam is facing a tight fiscal situation. As a large proportion of the education budget is allocated to teachers' wages and other personnel costs, there are simply not enough funds left to conduct the full-scale improvement of school facilities throughout the country. Most of the present primary education facilities have been little improved since their construction before 1975 and show signs of severe deterioration. As many buildings have also been subject to typhoon and flood damage almost every year, their poor state is further worsening. As of 1997, some 30% of the 18,318 classrooms for primary education are of a temporary nature. The steady increase of the primary school enrollment rate has also made the classroom shortage a serious problem. The number of pupils receiving primary education in Viet Nam increased by 21% in the recent 10 years between 1985 and 1995 from 8.25 million to 10 million and is expected to reach 11.29 million in 2000. The number of classrooms currently totals slightly less than 60% of the number of classes, forcing the educational authorities and has forced the educational authorities to introduce a two shift or even three shift school system, often borrowing facilities belonging to secondary schools, nurseries and local people's committees.

The school buildings in 16 coastal provinces in particular are subject to typhoon and flood damage almost every year and emergency measures to repair the damaged buildings constitute an economic burden on the local people. The seven subject provinces of the Project, i.e. Quang Nam, Quang Ngai, Binh Dinh, Phu Yen, Khanh Hoa and Binh Thuan along the south-central coast and Quang Ninh along the northern coast, are the remaining provinces among the 16 typhoon and flood-prone coastal provinces in which Japan has been constructing new primary

education facilities since the Phase I Project in fiscal 1994. The replacement of and addition to the old, dangerous school buildings in these seven provinces with new buildings which have sufficient resistance to typhoons and floods is urgently required.

The Project for Improvement of the Facilities of Primary Schools (Phase IV) is designed to effectively and swiftly deal with the urgent task of improving primary school facilities in all of Viet Nam's 16 coastal provinces, following the previous three phases of the Project, by means of improving 80 primary schools in the above-mentioned seven provinces.

As the construction of primary school facilities and the supply of educational equipment, etc. under the Project will make a significant contribution in terms of improving the educational environment, expanding the educational opportunities at primary schools, qualitatively improving primary education through an improved internal efficiency, increasing adult literacy and promoting public hygiene as well as family health, the Project will undoubtedly assist the achievement of the targets of the Five Year Educational Development Programme (1996 - 2000) newly adopted in 1996 and will also greatly contribute to the socioeconomic development of Viet Nam through the development of human resources.

The number of pupils currently attending the subject schools of the Phase IV Project are approximately 79,000, bringing the total number of pupils benefiting from the improved educational facilities under the four phases of the Project to 187,000, including 108,000 pupils benefiting from the previous phases. As a result of the increased number of classrooms through the four phases of the Project, the number of pupils which can be accommodated by the improved primary schools will increase to some 250,000, providing new educational opportunities for many more children. Assuming that the number of pupils per grade is one-fifth of this figure based on present primary school pupil statistics, at least 37,000 children will benefit from the Project each year for the next several decades, totalling innumerable beneficiaries over the years.

Moreover, the facilities to be constructed under the Project will also be used as local public facilities for adult education and other types of informal educational activities, including those relating to public hygiene and mother and child health. As such, the new facilities will benefit the local communities in many ways rather than simply acting as primary schools. In addition, the financial burden on the local people in general and on parents in particular will be reduced as the required contribution towards the maintenance cost will be much less. Furthermore, each school will be required less budget for school maintenance. In view of these beneficial effects described above, the Project is judged to be totally suitable for implementation as a grant aid



project of the Government of Japan. The concrete benefits to be achieved by the implementation of the Project are further detailed below.

### (1) Beneficial Effects on Educational Environment

#### 1) Improved Learning Environment Through Rebuilding of Classrooms

The 80 subject schools of the Project currently have a total of 1,298 classrooms (including those of branch schools), including borrowed classrooms, of which 1,021 classrooms (79%) require rebuilding or major repairing. Because of the difficulty of securing alternative classrooms during the construction period, the existing classrooms will be used during the construction of the new facilities. The construction of 1,000 new classrooms under the Project will practically replace almost all of the deteriorated classrooms which are prone to collapse or other risks.

#### 2) Alleviation of Classroom Shortage

At present, the 80 subject schools (plus branch schools) have a total of 2,239 classes using 1,298 classrooms (1,054 classrooms and 244 borrowed classrooms), resulting in a class-classroom ratio of 1.72. Of these classes, 146 classes (6.5%) are subject to a three shift school system while 1,942 classes (86.7%) are subject to a two shift school system. The remaining 152 classes (6.8%) enjoy a single shift school system. However, most of the classrooms used by the classes classified in the single shift school system category have, in fact, two shifts as the primary schools borrow the facilities of secondary schools or nurseries for primary education in the afternoon. Only a few schools provide full-day education, acting as model schools. When borrowed classrooms are excluded from the calculation, the class-classroom ratio increases to 2.12, making it inevitable that any increase of the number of pupils in the future will result in a three shift school system. As 1,000 new classrooms will be constructed under the Project, the total number of classrooms at these schools following the completion of the Project will increase to 1,552, including the 552 existing classrooms which are still usable. This means an increase of 254 classrooms from the present 1,298 classrooms and the class-classroom ratio will improved to 1.44, eradicating the three shift school system and providing 45,000\* places for new enrollment at these schools. As such, the Project will greatly contribute to increasing both the opportunities for school education and the school enrollment ratio.

As the present number of pupils is 79,000, new enrollment opportunities for 45,000 pupils will be created.

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\* 40 pupils/class x 2 shifts x 1,552 classrooms = 124,000

### 3) Improved School Management Through Integration or Withdrawal of Branch Schools

The 80 subject schools currently have a total of 204 branch schools (925 classes), of which 160 branch schools (734 classes) have been established around the main schools to alleviate the classroom shortage. In principle, a branch school should be established for lower grade pupils (Grade 1 and Grade 2) in an area where the travelling distance to the main school is more than 2.5 km in accordance with the school facility establishment guidelines of the Ministry of Education and Training. While this criterion is met by 44 existing branch schools, these branch schools also cater for higher grade classes due to the classroom shortage. The facilities of these branch schools are of an even more temporary nature than those at the main schools and urgently require rebuilding. From among those branch schools of which integration to their respective main schools is desirable in view of the travelling distance, those in great need of rebuilding will be rebuilt and integrated to the main schools under the Project. In addition, those branch schools which currently use the facilities belonging to secondary schools, etc. will be integrated to the main schools.

The total number of branch schools to be integrated to their respective main schools under the Project is 147 (72% of all branch schools), consisting of 74 branch schools of which all the classes will be integrated to the main schools due to the poor state of the facilities and 73 branch schools of which only the higher grade classes will be integrated to the main schools. The reduction of the existing 204 branch schools to 130 branch schools through integration to main schools should bring about additional benefits such as closer communication between teaching and administration staff members to uniformise the teaching level and higher school management efficiency.

### 4) Improved Learning Results Through Improvement of Educational Quality

At present, the classroom teaching at most of these schools uses only a blackboard and textbooks. Under the Project, a number of teaching materials and tools will be provided, including nine items for Vietnamese language teaching, nine items for social studies, music and health/physical education and 18 items for science and arithmetic teaching (measuring instruments and tools to explain the principles of volume, gear movement and electricity, etc.) Emphasis will be on the provision of teaching tools for science and arithmetic. These diverse teaching materials and tools to be provided under the Project will help pupils understand the subjects of teaching, increase their interest in learning and improve their learning efficiency. The tools for science and arithmetic teaching in particular are expected to facilitate understanding of those principles which are abstract concepts and which are generally difficult to grasp by simply listening to the teacher. The availability of new teaching tools as well as new

classrooms will increase the motivation of teachers to teach and should improve the overall educational effects on pupils. In short, the new materials and tools will boost the morale of both teachers and pupils and will contribute to improving the internal efficiency of schools by means of an improved rate of pupils progressing to the next grade.

#### 5) Contribution to Improved Educational Environment for Secondary Schools

Twenty-two subject schools currently borrow a total of 182 classrooms belonging to secondary schools. With the introduction of compulsory primary education, the process of separating primary schools from secondary schools is currently in progress in terms of both the administration and physical facilities. At these 22 schools, however, a two shift school system is employed, using the same classrooms for secondary education in the morning and for primary education in the afternoon. With the implementation of the Project, these schools will have their own classrooms to allow secondary schools to improve the quality of their education by providing full-day teaching to fully complete their curriculum.

#### (2) Beneficial Effects on Improved Hygiene

Because of the absence of toilet facilities at most of the schools, the area around the school facilities is rather unhygienic and there is a risk of the outbreak of infectious diseases originating from the drinking of contaminated well water. Even at those schools with toilet facilities, the lack of a suitable water supply system has made it difficult or almost impossible to maintain these toilet facilities in a clean and hygienic state. New toilets equipped with water supply and drainage systems will be constructed under the Project to improve the sanitation conditions for not only pupils but also local residents. In addition, the provision of education and training to encourage the regular washing of hands and the cleaning of toilets with water to maintain desirable toilet facilities, etc. will enable effective hygiene education. Moreover, the introduction of separate toilets for boys and girls will improve the educational environment, particularly for girls.

#### (3) Beneficial Effects on Local Society

The new facilities to be constructed under the Project are expected to serve for not only primary school education but also for various social education activities, including literacy education, adult education and health education for mother and child, playing a core educational role in the local community. They will also act as shelters for local people at the time of a typhoon or flood. In fact, a facility constructed under the Phase I Project provided shelter for 20 local families at the time of a major flood in August, 1996, proving

its reliability and durability vis-a-vis a natural disaster and earning the praise and gratitude of local people. In this context, some 900,000 local residents living in the school areas of the 80 schools can be regarded as potential beneficiaries.

#### **(4) Beneficial Effects on Local Economy**

All of the subject provinces experience severe damage due to typhoons and floods every year. As the new facilities to be constructed under the Project will be sufficiently resistant to such disasters, there will be less need to employ typhoon and flood damage prevention measures. In addition, the financial contribution by local people towards the repair cost of damaged school facilities will be made practically unnecessary. The annual maintenance cost of the 80 subject schools is an average of 18,177,000 dong (approximately ¥180,000), of which 15,502,000 dong (¥150,000) are donated by local people, including parents. As the maintenance budget is almost entirely allocated to the repair of facilities damaged by typhoons, the elimination of the need for local people to make a financial contribution to school repair will improve their own financial state.

The Project will assist the Primary Education Facility Development Plan promoted by the Ministry of Education and Training and will be basically conducted using the local construction method involving equipment and materials which can all be procured locally. As the facilities are designed to ensure their minimum function as primary education facilities with the durability to resist natural disasters and also a low construction cost and easy maintenance, they are expected to act as useful models for similar facilities to be constructed by the Government of Viet Nam in other parts of the country. Through the construction process, technical transfer will be conducted to rationalise the local construction method and to improve construction management with the result of improving the technical capability of local construction companies.

## **4.2 Recommendations**

In view of the expected wide ranging positive effects and contribution to improved primary education for the general public, the Project is judged to be suitable for implementation as a grant aid project of the Government of Japan. No specific problems regarding the management of the new facilities in the post-project period are envisaged as the existing manpower, technical and budgetary resources of Viet Nam are sufficient. For the smooth and effective implementation of the Project, however, the following points must be noted.

### **(1) Implementation of Work Assigned to Vietnamese Side**

The work assigned to the Vietnamese side must be implemented without fail for the successful implementation of the Project. In particular, at those sites where filling and land preparation are required to convert the present state of paddy fields, etc., the work must be completed without any delay prior to the commencement of the construction work by the Japanese side. The Vietnamese side is also required to prepare a site surveying map (scale: 1/200) and a geological survey report based on boring results for each site and to submit them to the Japanese side prior to the commencement of the detailed design stage.

### **(2) Recruitment of Sufficient Number of Teachers**

A total of 2,458 teachers (excluding headmasters and other administrative staff) are employed at the 80 subject schools to teach 2,432 classes, resulting in a teacher-classroom ratio of slightly higher than 1.0. Further examination on a school-by-school basis, however, reveals that there is a teacher shortage at 18 schools, amounting to a total shortage of 52 teachers. At these schools, some teachers teach two classes (one in the morning and one in the afternoon) to compensate for the shortage of teachers. This teacher shortage tends to be more manifest at schools located in remote mountain areas or remote coastal areas while schools in urban areas often have more teachers than the number of classes. The teacher shortage at remote schools is assumed to be caused by the poor living conditions, including the teacher accommodation conditions, low wage and lack of opportunities for additional work to supplement the low wage. While it is true that some teachers welcome the opportunity to teach two classes because of the over-time payment associated with such work, the employment of a sufficient number of teachers in the post-project period is desirable. At present, nationwide efforts are in progress to improve and expand teacher training schools to meet the target teacher-class ratio of 1.15, i.e. 1.15 teachers per class. In regard to wage improvement, the central government is responsible for finding the necessary resources but it appears to be the case that provincial governments and district people's committees can expect the help of local people to improve the living conditions of teachers, including the teacher accommodation conditions, as their contribution toward the improved educational environment.

### **(3) Promotion of Self-Reliant Educational Facility Improvement in Other Areas**

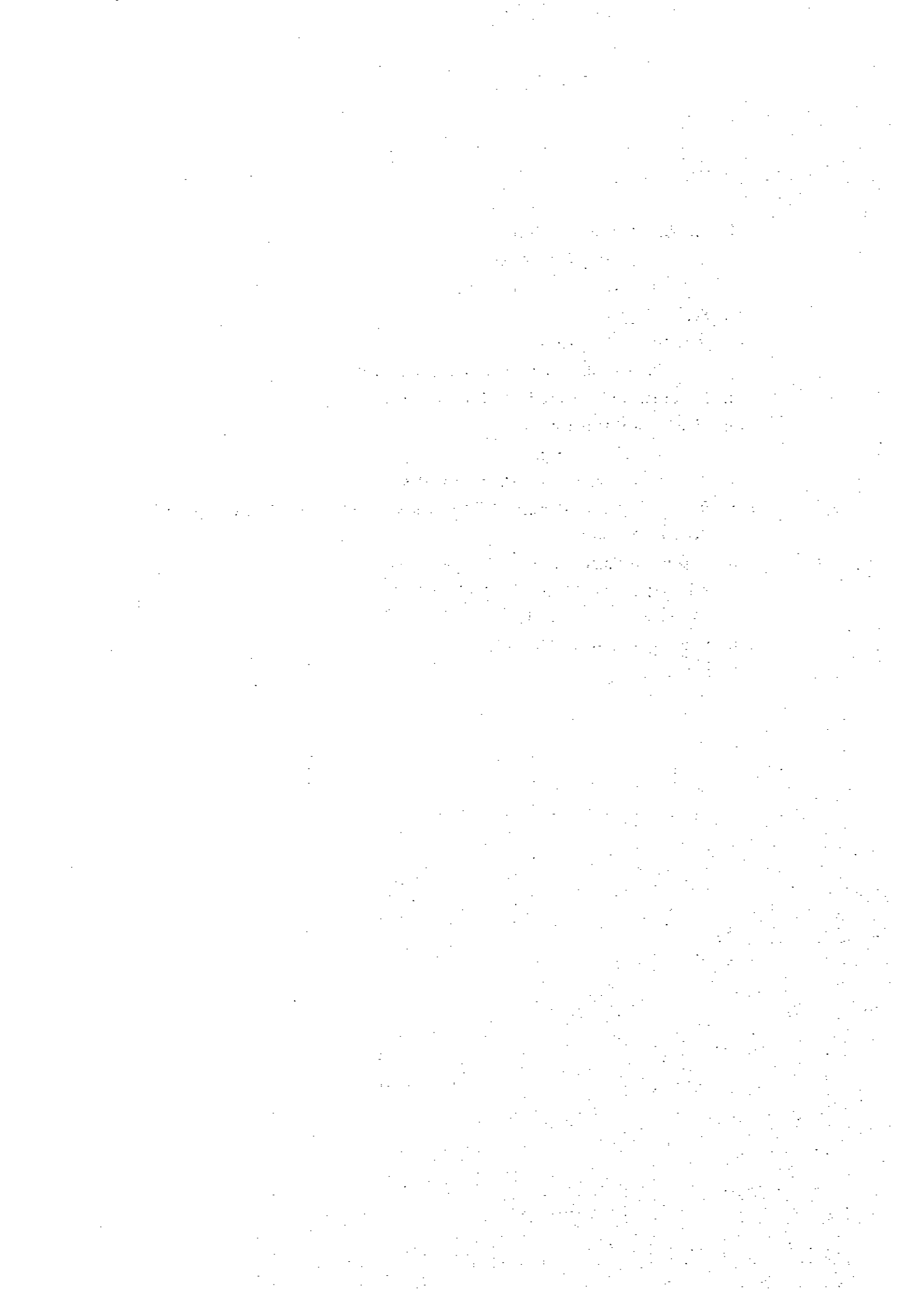
The seven subject provinces of the Project currently have a total of 1,462 primary schools and, according to statistics of the Ministry of Education and Training, the existing facilities at 30% of these schools are of a temporary nature. The Project covers 80 schools in these seven provinces, accounting for 5.5% of all primary schools, while the aggregate number of schools rebuilt under the four phases is 195 which represents a similar ratio among all

primary schools in the 16 subject provinces. Considering the large number of primary schools which were untouched by the four phases, it will be essential for the Government of Viet Nam and the general public to work together to make efforts on a scale many times larger than that of the Project to improve primary education and to achieve the target of the Facility Development Plan by the year 2000.

Statistics of the Ministry of Education and Training show that the number of primary schools increased by 1,087 in three years from 10,971 in 1994 to 12,058 in 1996. In contrast, the number of basic schools (nine year education) dropped by 732 from 2,569 to 1,837 in the same period, indicating the separation of these basic schools into independent primary and secondary schools and the establishment of 355 new primary schools. The number of classrooms also increased by 10,076 for primary schools and basic schools combined. These positive figures clearly suggest the enormous scale of the self-reliant efforts of Viet Nam. It is hoped that the momentum of such efforts will continue to achieve the targets of the Five Year Educational Development Programme.

## **APPENDIX**

- 1. Member of the Survey Team**
  - 1-1. Basic Design Study Team**
  - 1-2. Basic Design Study Draft Report Explanation Team**
- 2. Survey Schedule**
  - 2-1. Basic Design Study**
  - 2-2. Basic Design Study Draft Report Explanation**
- 3. List of Party Concerned in Recipient Country**
- 4. Minutes of Discussion**
  - 4-1. Basic Design Study**
  - 4-2. Consultation on the Draft Basic Design**
- 5. Request Letter by Ministry of Education & Training Regarding Change in 5 Recipient Schools**
- 6. Cost Estimation Borne by the Recipient Country**
- 7. Administration & Facility Condition of 80 Recipient Schools  
(Based on the mid-term data)**
- 8. Drawings of Proposed Site Plan**
- 9. Reference**





## APPENDIX 1 MEMBER OF THE SURVEY STUDY TEAM

### 1-1. BASIC DESIGN STUDY TEAM

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## 1-2. BASIC DESIGN STUDY DRAFT REPORT EXPLANATION TEAM

1. 総括／橋本 明彦 JICA 筑波国際センター所長  
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2. 計画管理／伊澤 映子 JICA 無償資金協力調査部調査二課  
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## APPENDIX 2 SURVEY SCHEDULE

### 2-1. BASIC DESIGN STUDY

	Officials		Consultants	
	Leader (Yakabe)	Planning & Management (Izawa)	Team A	Team B
			<ul style="list-style-type: none"> <li>Chief Consultant (Takeuchi)</li> <li>Education &amp; Social Environment Planner (Moriya)</li> <li>Construction &amp; Equipment Planner III (Koda)</li> </ul>	<ul style="list-style-type: none"> <li>Construction &amp; Equipment Planner I (Kikuchi)</li> <li>Construction &amp; Equipment Planner II (Kawazoe)</li> </ul>
1	Mon Apr. 7	<ul style="list-style-type: none"> <li>09:45 Tokyo → 13:15 Hong Kong (JL733)</li> <li>18:25 Hong Kong → 19:15 Ha Noi (CX793)</li> </ul>		
2	Tue Apr. 8	<ul style="list-style-type: none"> <li>Courtesy visit to Japan International Cooperation Agency (JICA)</li> <li>Courtesy visit to the Embassy of Japan</li> <li>Courtesy visit to the Ministry of Planning &amp; Investment (MOPI)</li> <li>Meeting with Ministry of Education &amp; Training (MOET) officials - Inception Report, Questionnaire, Schedule arrangements</li> </ul>		
3	Wed Apr. 9	<ul style="list-style-type: none"> <li>Visit to UNICEF</li> <li>Discussion with JICA</li> <li>Discussion with MOET - Contents of the Project request</li> </ul>		
4	Thu Apr. 10	<ul style="list-style-type: none"> <li>Leave Ha Noi → Da Nang (by air)</li> <li>Courtesy visit to Duy Xuyen District Department of Education &amp; Training (DOET), Visit to school sites</li> <li>Courtesy visit to Quang Nam Province People's Committee (PPC), Visit to school sites</li> </ul>		
5	Fri Apr. 11	<ul style="list-style-type: none"> <li>Visit to school sites in Quang Nam Province</li> <li>Visit to Junko School</li> </ul>		
6	Sat Apr. 12	<ul style="list-style-type: none"> <li>Courtesy visit to Quang Ngai DOET, Visit to school sites</li> <li>Courtesy visit to Quang Ngai PPC</li> </ul>		
7	Sun Apr. 13	<ul style="list-style-type: none"> <li>Visit to Da Nang City and World Bank project school sites</li> <li>Visit to school sites in Quang Ngai Province</li> <li>Leave Da Nang → Ha Noi (by air)</li> </ul>		
8	Mon Apr. 14	Member of: Izawa, Takeuchi, Moriya, Nagai	: Yakabe, Kikuchi, Koda	
		<ul style="list-style-type: none"> <li>Discussion with MOET - Minutes of Discussion</li> <li>Analyzing survey data</li> </ul>	<ul style="list-style-type: none"> <li>Visit to Phase I Project schools (2) in Thai Binh Province</li> <li>Visit to Gia Lam water supply facility</li> </ul>	
9	Tue Apr. 15	<ul style="list-style-type: none"> <li>Discussion with MOET - Minutes of Discussion</li> <li>Analyzing survey data</li> </ul>		
10	Wed Apr. 16	<ul style="list-style-type: none"> <li>Report to Embassy of Japan</li> <li>Report to JICA</li> <li>Signing on the Minutes of Discussion, Reception dinner</li> </ul>		
11	Thu Apr. 17	Leave Ha Noi → Arrive Tokyo	Member of: Izawa, Takeuchi, Moriya, Koda, Nagai	<ul style="list-style-type: none"> <li>Leave Ha Noi → Ho Chi Min (by car)</li> <li>Research on local condition of construction</li> </ul>
			<ul style="list-style-type: none"> <li>Visit to Phase II Project schools (2) in Than Hoa Province</li> </ul>	
12	Fri Apr. 18	Leave Ha Noi → Arrive Tokyo	<ul style="list-style-type: none"> <li>Leave Ha Noi → Da Nang (by air)</li> <li>Meeting with Quang Nam Dept. of Planning &amp; Investment (DOPI)</li> </ul>	<ul style="list-style-type: none"> <li>Leave Ho Chi Min → Phan Thiet (by car)</li> <li>Courtesy visit to Binh Thuan DOET</li> </ul>
13	Sat Apr. 19		<ul style="list-style-type: none"> <li>Visit to Phase III Project school sites in T.T. Hue Province</li> </ul>	<ul style="list-style-type: none"> <li>Courtesy visit to PPC</li> <li>Analyzing survey data</li> </ul>
14	Sun Apr. 20		<ul style="list-style-type: none"> <li>Analyzing survey data</li> </ul>	<ul style="list-style-type: none"> <li>Site Survey (4 schools)</li> </ul>
15	Mon Apr. 21		<ul style="list-style-type: none"> <li>Site Survey in Da Nang City</li> <li>Visit to Education Dept. at Da Nang Univ.</li> <li>Courtesy visit to DOET and DOPI</li> </ul>	<ul style="list-style-type: none"> <li>Site Survey (2 schools)</li> </ul>
16	Tue Apr. 22		<ul style="list-style-type: none"> <li>Site survey (3 schools)</li> <li>Visit to provincial secondary boarding school</li> </ul>	<ul style="list-style-type: none"> <li>Site Survey (3 schools)</li> </ul>
17	Wed Apr. 23		<ul style="list-style-type: none"> <li>Site survey (2 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (2 schools)</li> </ul>
18	Thu Apr. 24		<ul style="list-style-type: none"> <li>Site survey (4 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Report to DOET</li> <li>Analyzing survey data</li> </ul>
19	Fri Apr. 25		<ul style="list-style-type: none"> <li>Site survey (3 schools)</li> <li>Meeting with Da Nang City DOPI</li> <li>Report to Quang Nam PPC</li> </ul>	<ul style="list-style-type: none"> <li>Visit to boarding school</li> <li>Phan Thiet → Nha Trang (by car)</li> <li>Meeting with Khanh Hoa DOET</li> </ul>

	Officials		Consultants	
	Leader (Yakabe)	Planning & Management (Izawa)	Team A	Team B
			<ul style="list-style-type: none"> <li>Chief Consultant (Takeuchi)</li> <li>Education &amp; Social Environment Planner (Moriya)</li> <li>Construction &amp; Equipment Planner III (Koda)</li> </ul>	<ul style="list-style-type: none"> <li>Construction &amp; Equipment Planner I (Kikuchi)</li> <li>Construction &amp; Equipment Planner II (Kawazoe)</li> </ul>
20	Sat Apr. 26		<ul style="list-style-type: none"> <li>Courtesy visit to World Vision (NGO)</li> <li>Site Survey (1 school)</li> <li>Report to Quang Nam DOET</li> <li>Leave Da Nang → Quang Ngai (by car)</li> </ul>	<ul style="list-style-type: none"> <li>Courtesy visit to DOET</li> <li>Site Survey (2 schools)</li> </ul>
21	Sun Apr. 27		<ul style="list-style-type: none"> <li>Analyzing survey data</li> </ul>	<ul style="list-style-type: none"> <li>Analyzing survey data</li> </ul>
22	Mon Apr. 28		<ul style="list-style-type: none"> <li>Courtesy visit to Quang Ngai DOET &amp; PPC</li> <li>Visit to provincial teacher training school</li> <li>Site survey (2 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Site Survey (4 schools)</li> </ul>
23	Tue Apr. 29		<ul style="list-style-type: none"> <li>Site survey (4 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (4 schools)</li> </ul>
24	Wed Apr. 30		<ul style="list-style-type: none"> <li>Site survey (3 schools)</li> <li>Visit to district lower secondary boarding school</li> </ul>	<ul style="list-style-type: none"> <li>Report to DOET</li> <li>Leave Nha Trang → Tuy Hoa (by car)</li> <li>Meeting with Phu Yen DOET</li> </ul>
25	Thu May 1		<ul style="list-style-type: none"> <li>Moriya: leave Quang Ngai → Tuy Hoa (by car), meet Team B</li> <li>Site survey (3 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Analyzing survey data</li> </ul>
26	Fri May 2		<ul style="list-style-type: none"> <li>Research on construction-related matter</li> <li>Report to &amp; discussion with PPC</li> </ul>	<ul style="list-style-type: none"> <li>Courtesy visit to DOET</li> <li>Site survey (2 schools)</li> </ul>
27	Sat May 3		<ul style="list-style-type: none"> <li>Quang Ngai → Qui Nhon (by car)</li> <li>Site survey (3 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (3 schools)</li> </ul>
28	Sun May 4		<ul style="list-style-type: none"> <li>Analyzing survey data</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (4 schools)</li> </ul>
29	Mon May 5		<ul style="list-style-type: none"> <li>Courtesy visit to Binh Dinh DOET &amp; PPC</li> <li>Visit to provincial teacher training school</li> <li>Site survey (2 schools)</li> </ul>	<ul style="list-style-type: none"> <li>Report to DOET</li> <li>Leave Tuy Hoa → Nha Trang (by car)</li> <li>Leave Nha Trang → Ha Noi (by air)</li> </ul>
30	Tue May 6	Moriya	<ul style="list-style-type: none"> <li>Analyzing sources</li> <li>Arranging schedule</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (3 schools)</li> <li>Ha Noi → Ha Long (by car)</li> <li>Courtesy visit to Quang Ninh DOET</li> </ul>
31	Wed May 7		<ul style="list-style-type: none"> <li>Courtesy visit to World Vision</li> <li>Visit to NGO Resource Center</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (4 schools)</li> <li>Visit to district primary boarding school</li> <li>Ha Long → Tien Yen (by car)</li> </ul>
32	Thu May 8		<ul style="list-style-type: none"> <li>Discussion with MOET</li> </ul>	<ul style="list-style-type: none"> <li>Site survey (2 schools)</li> <li>Research on construction-related conditions</li> <li>Report to PPC</li> <li>Tien Yen → Ha Long (by car)</li> </ul>
33	Fri May 9		<ul style="list-style-type: none"> <li>Courtesy visit to Asian Development Bank (ADB), Collection of data</li> </ul>	<ul style="list-style-type: none"> <li>Leave Qui Nhon → Nha Trung (by car)</li> <li>Site survey (3 schools)</li> </ul>
34	Sat May 10		<ul style="list-style-type: none"> <li>Organizing survey data</li> </ul>	<ul style="list-style-type: none"> <li>Leave Nha Trang → Ha Noi (by air)</li> <li>Report to DOET</li> <li>Leave Ha Long → Ha Noi (by car)</li> </ul>
Team A & B reuniting in Ha Noi, Team meeting				
35	Sun May 11		<ul style="list-style-type: none"> <li>Organizing survey data</li> </ul>	
36	Mon May 12		<ul style="list-style-type: none"> <li>Courtesy visit to Institute of Research &amp; Design of Schools (IRDS)</li> <li>Discussion with MOET</li> </ul>	
37	Tue May 13		<ul style="list-style-type: none"> <li>Report to JICA</li> <li>Report to Embassy of Japan</li> </ul>	
38	Wed May 14		<ul style="list-style-type: none"> <li>9:55 Ha Noi → 12:40 Hong Kong (CX 790)</li> <li>14:45 Hong Kong → 19:45 Tokyo (JL 732)</li> </ul>	

## 2-2. BASIC DESIGN STUDY DRAFT REPORT EXPLANATION

		Officials		Consultants
		Leader (Hashimoto)	Planning & Management (Izawa)	<ul style="list-style-type: none"> <li>• Chief Consultant (Takeuchi)</li> <li>• Construction &amp; Equipment Planner I (Kikuchi)</li> <li>• Interpreter (Nagai)</li> </ul>
1	Mon Jul. 21	• 15:35 Arrive Ha Noi (CX791)		
2	Tue Jul. 22	<ul style="list-style-type: none"> <li>• Courtesy visit to the Embassy of Japan, Discussion meeting</li> <li>• Courtesy visit to the Japan International Cooperation Agency (JICA), Discussion meeting</li> <li>• Courtesy visit to the Ministry of Planning &amp; Investment (MOPI), Discussion meeting</li> <li>• Courtesy visit to the Ministry of Education &amp; Training (MOET), First discussion meeting</li> </ul>		
3	Wed Jul. 23	<ul style="list-style-type: none"> <li>• Courtesy visit to UNICEF, First discussion meeting</li> <li>• Second discussion meeting with MOET</li> </ul>		
4	Thu Jul. 24	• Third discussion meeting with MOET		
5	Fri Jul. 25	• Meeting with MOET on the Minutes of Discussion and signing on the Minutes		
6	Sat Jul. 26	Member of: Hashimoto and Kikuchi	Izawa, Takeuchi, Nagai	
		<ul style="list-style-type: none"> <li>• 7:30 Leave Ha Noi (VN 311) →</li> <li style="text-align: center;">8:40 Arrive Da Nang</li> <li>• Visit to Phase III Project schools in Hue</li> </ul>	<ul style="list-style-type: none"> <li>• Visit to public schools in City</li> <li>• Research on related regulations</li> </ul>	
7	Sun Jul. 27	<ul style="list-style-type: none"> <li>• Visit to Phase IV Project schools in Da Nang</li> <li>• 14:40 Leave Da Nang (VN 312) →</li> <li style="text-align: center;">15:30 Arrive Ha Noi</li> </ul>	• Organizing survey data	Nagai • Leave Ha Noi (CX 790) → Hong Kong (JL 732) → 19:45 Arrive Narita
		Discussion within Team		
8	Mon Jul. 28	<ul style="list-style-type: none"> <li>• Courtesy visit to the World Bank, Discussion meeting</li> <li>• Report to the Embassy of Japan</li> <li>• Report to JICA</li> </ul>		
9	Tue Jul. 29	• 10:10 Leave Ha Noi (CX 790) → Hong Kong (JL 732) → 19:45 Arrive Narita		



## APPENDIX 3 LIST OF PARTY CONCERNED IN RECIPIENT COUNTRY

### VIETNAMESE PARTIES

#### ●Ministry of Planning & Investment (MPI)

Foreign Economic Relations Department

Dr.Ho Quang Minh :Deputy Director  
General

Mr.Nguyen Xuan Tien :Senior Expert

Science, Education & Environment Department

Mr.Pham Kim Cung :Deputy Director

Mr.Pham Huy Thuan :Expert

#### ●Ministry Of Education & Training (MOET)

Prof.Dr.Tran Xuan Nhi :Vice Minister

International Relations Department (IRD)

Prof.Dr.Tran Van Nhung:Director

Dr.Bui Cong Tho :Deputy Director

Ms.Nguyen Thuy Loan :Expert

Planning & Finance Department (PFD)

Mr.Dao Duc Chung :Deputy Director

Mr.Quach Xuan Cau :Expert

Primary Education Department

Dr. Nguyen Ke Hao :Director

Project Steering Committee

Prof.Dr.Hoang Huy Thang :Architect

#### ●Institute of Research & Development for School (IRDS)

Dr.Tran Thanh Binh :Director

Dr.Phan Chi Dai :Deputy Director

Mr.Tran Duy Tao :Deputy Director

Mr.Le Thai Tuyen :Director, Science  
Research Division

Mr.Nguyen Song Ha :Expert

#### ●UNICEF

Ms.Elaine R.Furniss :Senior Project Officer

Ms.Thi Bich :Assistant  
Project Officer

#### ●World Bank (WB)

Ms.Mai Thi Thanh :Operations officer

#### ●Asian Development Bank (ADB)

Mr.Steven H.Van Der Tak

:Project Economist Education,  
Health & Population Division (West)

#### ●World Vision International (WVI), Hanoi Office

Mr.Patrick I. Bracken :Manager

#### ●Ministry Of Education & Training (MOET)

Mr.Bui Quang :Chief Accountant,  
WB Coordination Unit

#### ●Binh Thuan Province

Provincial People's Committee

Mr.Huynh Tan Thanh :Vice Chairman

Department of Education & Training

Mr.Huynh Sanh Nhan :Deputy Director

Mr.Nguyen The Phiet :Director, Planning &  
Finance Division

Mr.Le Tat Thinh :Officer

International Relations Department

Mr.Phan Hong Ky :Officer

#### ●Phan Thiet City

City Education Division

Mr.Nguyen The Tinh :Head

Mr.Nguyen Hieu Tinh :Officer

Mr.Nguyen Xuan Tinh :Officer

Mui Ne Commune

Mr.Ho Thanh Tam :PC Vice Chairman

Mr.Vo Ngoc Thang :Financing

Mr.Dang Ba Go :Charge of Land Affairs

Mui Ne 1 Primary School

Mr.Dang Van Quan :Headmaster

Mr.Vo Ngoc Thang :Head, Parents Assoc.

Ham Thang 1 Primary School

Mr.Dao Tri Thanh Son :Headmaster

Mr.Nguyen Van Muoi :Head Teacher

Duc Long Commune

Mr.Duong Thi Dieu :PC Vice Chairman

Duc Long Primary School

Ms.Truong Minh Nguyen :Headmaster

Mr.Nguyen Xuan Hiep :Head Teacher

#### ●Ham Tan District

District Education Division

Mr.Nguyen Trong Cuong :Deputy Head

Lagi Town

Mr.Tran Anh :PC Vice Chairman

Mr.Nguyen Phung Xuan Mai

:Charge of Land Affairs

- Lagi 1 Primary School  
Mr. Nguyen The Lu :Headmaster
- Duc Linh District  
District Education Division  
Mr. Mai Xuan Ba :Head
- Tra Tan Village  
Mr. Buu Manh Thang :PC Chairman  
Mr. Nguyen Huu Cai :PC Vice Chairman  
Mr. Nguyen Van Suat :Secretary  
Tra Tan 1 Primary School  
Mr. Nguyen Van Duoc :Headmaster  
Mr. Nguyen Thi La :Head Teacher
- Bac Binh District  
District Education Division  
Mr. Ba Nguyet :Head
- Phan Ri Thanh Village  
Mr. Nguyen Van Thanh :PC Chairman  
Phan Ri Thanh 2 Primary School  
Mr. Le Van Dong :Headmaster
- Tanh Linh District  
District Education Division  
Mr. Tran Dinh Khoi :Head  
Mr. Nguyen Van Dung :Officer
- Donh Kho Village  
Mr. Tran Ngoc Du :PC Vice Chairman  
Donh Kho Primary School  
Mr. Pham Quang Thanh :Headmaster
- Ham Thuan Nam District  
District Education Division  
Mr. Van Huu Lap :Deputy Head
- Tan Lap 1 Primary School  
Mr. Nguyen Bao Thuan :Headmaster  
Tan Lap 3 Primary School  
Ms. Doan Thi Lien :Headmaster
- Thuy Phong District  
District Education Division  
Mr. Vo Phi Dung :Head  
Mr. Nguyen Thanh :Officer  
District Planning & Investment Committee  
Mr. Dao Xuan Sinh :Member
- Phan Ri Cua Town  
Mr. Phan Van Trong :Secretary
- Mr. Nguyen Truc Tien :PC Chairman  
Mr. Vo Tan Hue :PC Secretary  
Phan Ri Cua 4 Primary School  
Mr. Nguyen Tan Hoai :Headmaster
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- Khanh Hoa Province  
Provincial People's Committee  
Ms. Nguyen Thi No :Vice Chairman  
Department of Education & Training  
Mr. Do Dang Cao :Director  
Mr. Nguyen Dinh Co :Director, Planning & Investment Division  
Mr. Nguyen Van Long :Officer, Planning & Investment Division  
Mr. Tran Van Lam :Officer, Planning & Investment Division  
Department of Construction  
Mr. Nguyen Van Son :Officer  
Project Administration Committee  
Mr. Nguyen Do :Chairman, Facility Manager
- Van Ninh District  
District Education Division  
Mr. Nguyen Van Hoang :Officer
- Van Luong Village  
Mr. Tran Duy Khanh :PC Chairman  
Van Luong Primary School  
Mr. Dong Van Hoai :Headmaster
- Van Phu Village  
Mr. Tran Van Kien :PC Chairman  
Van Phu Primary School  
Mr. Nguyen Trong :Headmaster  
Mr. Nguyen Phung Dieu :Head, Parents Assoc.
- Ninh Hoa District  
District Education Division  
Mr. Vo Ngoc Thach :Head  
Mr. Chau Dinh Ky :Officer  
Ninh An Village  
Mr. Nguyen Hanh :PC Chairman  
Mr. Nguyen Ky :Secretary  
Ninh An Primary School  
Mr. Nguyen Bao :Headmaster  
Mr. Tran Thanh Hiep :Head, Parents Assoc.



Ninh Giang Village  
 Mr. Nguyen Dam :PC Chairman  
 Mr. Tran Ngoc Diep :PC Vice Chairman

Ninh Giang Primary School  
 Mr. Le Ngoc An :Headmaster  
 Mr. Nguyen Trong Anh :Head Teacher

● Dien Khanh District  
 District Education Division  
 Mr. Dao Ngoc Thoan :Head  
 Mr. Le Dinh Diem :Officer

Suoi Cat Village  
 Mr. Dang Dung :PC Vice Chairman

Yersin Primary School  
 Mr. Do Dinh An :Headmaster  
 Mr. Bien Trung Tinh :Head Teacher  
 Mr. Le Van Ung :Head, Parents Assoc.

Dien Khanh Town  
 Mr. Nguyen Dung :PC Vice Chairman

Thi Tran 2 Primary School  
 Mr. Dung Huu Trung :Headmaster  
 Mr. Tran Thi Nui :Head Teacher  
 Mr. Le Xuan Day :Head, Parents Assoc.

● Nha Trang City  
 City Education Division  
 Mr. Nguyen Ky Tri :Officer

Tan Lap 1 Primary School  
 Ms. Nguyen Thi Ninh Chau :Headmaster  
 Ms. Phung Thi Thuy Nga :Head Teacher  
 Mr. Vo Van Thanh :Head, Parents Assoc.

Phuoc Tien Commune  
 Mr. Phung Thuy Trang :PC Vice Chairman

Phuoc Tien Primary School  
 Ms. Nguyen Thi Huynh :Headmaster  
 Mr. Le Hong Son :Head Teacher  
 Mr. Vo Van Thanh :Head, Parents Assoc.

● Cam Ranh District  
 District Education Division  
 Mr. Nguyen Khiem :Head  
 Mr. Nguyen Hoang :Officer

District People's Committee  
 Mr. Bui Nhat Linh :Vice Chairman

Cam Hai Tay Village  
 Mr. Vuong Tri Truc :PC Chairman

Cam Hai Tay Primary School  
 Ms. Huynh Phuoc :Headmaster  
 Mr. Vo Don Chat :Head Teacher

Cam Hoa Village  
 Mr. Dinh Ngoc Son :PC Vice Chairman

Cam Hoa 1 Primary School  
 Mr. Tran Thi Loc :Headmaster  
 Mr. Phan Dinh Xuan :Head Teacher

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● Phu Yen Province  
 Provincial People's Committee :Chairman

Department of Education & Training  
 Mr. Nguyen Xuan Dan :Director  
 Mr. Ho Van Tung :Deputy Director  
 Mr. Nguyen Van Ta :Head, Planning & Investment Division  
 Mr. Huynh Van Sy :Head, General Affairs Division  
 Mr. Tran Van Van :Officer, General Affairs Division

Department of Construction  
 Mr. Nguyen Van Cuong :Officer

Project Administration Committee  
 Mr. Le Thanh Han :Vice Chairman

● Tuy Hoa City  
 City Education Division  
 Mr. Tran Hien :Head  
 Mr. Nguyen Hien :Officer

Hoa Tri Village  
 Mr. Nguyen Trong Kim :PC Chairman

Hoa Tri Primary School  
 Mr. Pham Van Chanh :Headmaster  
 Mr. Nguyen Khanh :Head, Parents Assoc.

Hoa Quang Village  
 Mr. Pham Van Tho :PC Chairman

Hoa Quang 2 Primary School  
 Mr. Nguyen Van Lam :Headmaster  
 Mr. Doan Kim Quang :Head Teacher  
 Mr. Nguyen Van Thinh :Headmaster (Hoa Quang 4)  
 Mr. Nguyen Son Trung :Headmaster (Hoa Quang 3)  
 Mr. Tran Viet Hung :Headmaster (Hoa Quang 1)  
 Mr. Nguyen Duc Hung :Head, Parents Assoc.

●Tuy Hoa District

District Education Division

Mr. Le Nhuong :Head  
Mr. Nguyen Tai :Officer

Hoa Thanh Village

Mr. Tran Lien :Chief Secretary  
Mr. Ho Trung Lang :PC Chairman

Hoa Thanh Primary School

Mr. Nguyen Chanh :Headmaster  
Mr. Nguyen Van Dein :Head Teacher  
Mr. Nguyen Hieu :Head, Parents Assoc.

Hoa Thinh Village

Mr. Nguyen Xuan Chi :PC Chairman

Hoa Thinh 2 Primary School

Mr. Huynh Duc Dung :Headmaster  
Mr. Phan Dinh Quy :Head, Parents Assoc.

●Tuy An District

District Education Division

Mr. Nguyen Ngoc Khai :Deputy Head  
Mr. Nguyen Thanh Dong :Officer

An Cu Village

Mr. Pham Van Le :PC Vice Chairman

An Cu Primary School

Mr. Ngo Minh Chau :Headmaster  
Mr. Nguyen Van Tung :Head Teacher  
Mr. Phan Van Duc :Head, Parents Assoc.

●Song Cau District

District Education Division

Mr. Nguyen Hue :Deputy Head  
Mr. Nguyen Dinh Tong :Officer

Xuan Loc Village

Mr. Nguyen The Ha :PC Representative

Xuan Loc Primary School

Mr. Huynh Van Hung :Headmaster  
Mr. Tran Sum :Head, Parents Assoc.  
Mr. Nguyen Phuoc :Deputy Head,  
Parents Assoc.

●Dong Xuan District

District Education Division

Mr. Nguyen Kim Dong :Head  
Mr. Tran Ngoc Que :Officer

La Hai Town

Mr. Nguyen Van Thanh :PC Chairman

La Hai 1 Primary School

Ms. Nguyen Thi Hong :Headmaster  
Mr. Nguyen Thai Hoc :Head Teacher  
Mr. Manh Binh Sanh :Head, Parents Assoc.

Parents Association Members:

Mr. Nguyen Thi Hong Hai  
Mr. Doan Xuan Minh  
Mr. Nguyen Thi Chin  
Mr. Nguyen Thi Tuyet Suong  
Mr. Nguyen Thi Hai Yen  
Mr. Nguyen Van Thi

●Son Hoa District

District Education Division

Mr. Xo Minh Nung :Head

Son Hoa Town

Mr. Nguyen Van Hao :PC Chairman  
Mr. Nguyen Van Phan :Deputy Secretary

Cung Son 2 Primary School

Ms. Le Thi Sang :Headmaster  
Mr. Tran Ngoc :Head Teacher  
Mr. Doan Van Thang :Charge of class  
universalization

●Song Hinh District

District Education Division

Mr. Luong Cong Tung :Head  
Mr. Nguyen Thanh Lam :Officer

Hai Rieng Town

Mr. Hoang Van Sinh :Chief Secretary  
Mr. Mai Son :PC Chairman

Thi Tran Hai Rieng Primary School

Mr. Huynh Xuan Mau :Headmaster  
Mr. Huynh Van Cung :Head Teacher  
Mr. Tran Van Hieu :Head, Parents Assoc.

●Quang Ninh Province

Department of Education & Training

Mr. Le Quan Tan :Director

Project Administration Committee

Mr. Dao Xuan Qui :Chairman

●Ha Long City

City Education Division

Mr. Hoan Kim :Officer

Hong Ha Commune

Mr. Pham Van Thi :Secretary  
Mr. Tran Van Tin :PC Member

- Tran Quoc Toan Primary School  
 Ms.Ng Thi Sen :Headmaster  
 Ms.Duong Thanh Tai :Head, Parents Assoc.
- Cam Pha City  
 City Education Division  
 Mr.Do Minh Tuan :Head  
 Mr.Le Tien Hung :Officer
- Cam Son Commune  
 Mr. Nguyen Ba Loc :PC Chairman  
 Mr.Vu Quang Huy :PC Vice Chairman
- Cam Son Primary School  
 Mr.Ngo Hoa Huyen :Headmaster  
 Mr.Pham Van Son :Head, Parents Assoc.
- Dong Trieu District  
 District Education Division  
 Mr.Bui Xuan Tien :Deputy Head  
 Mr.Le Van Luan :Officer
- Hong Thai Tay Village  
 Mr.Nguyen Van Dong :Chairman  
 Mr.Hoang Van Hoan :Secretary
- Cam Son Primary School  
 Mr.Mac Xuan Ngan :Headmaster  
 Mr.Nguyen Thi Bang :Head Teacher  
 Mr.Nguyen Van Phong :Head Teacher,  
 Lower Secondary School  
 Mr.Nguyen Minh Hoang :Head,Parents Assoc.
- Uong Bi City  
 City Education Division  
 Mr.Ha Duy Diet :Deputy Head  
 Mr.Tran Quoc Viet :Officer
- Quang Trung Village  
 Mr.Nguyen Tien Tru :PC Member
- Quang Trung Primary School  
 Mr.Pham Cuc :Headmaster  
 Mr.Nguyen Tuan Khanh :Head, Parents Assoc.
- Yen Hung District  
 District Education Division  
 Mr.Khuc Van Lien :Deputy Head  
 Mr.Nguyen Canh Du :Officer
- Labor Union  
 Mr.Bui Xuan Ca :Chairman
- Cong Hoa Village  
 Mr.Dang Truong Luy :PC Chairman
- Cong Hoa Primary School  
 Mr.Dong Van Nhung :Headmaster
- Tien Yen District  
 District Education Division  
 Mr.Nong Minh Chau :Head  
 Mr.Hong Quang :Officer
- Tien Yen Town  
 Mr.Le Quyet Tien :PC Chairman
- T.T.Tien Yen Primary School  
 Mr.Phung Thi Lien :Headmaster  
 Mr.Le Thi Lien :Head Teacher  
 Mr.Nguyen Luu :Head,Parents Assoc.
- Ba Che District  
 District Education Division  
 Mr.Bui Duc Chien :Deputy Head  
 Mr.Hoang Dinh Long :Officer
- Ba Che Town  
 Mr.Nguyen Hung :PC Vice Chairman
- Ba Che Primary School  
 Mr.Bui Thi Quy :Headmaster  
 Mr.Pham Thi Vinh :Head Teacher  
 Mr.Doan Duc Cuong :Head, Parents Assoc.
- Quang Ha District  
 District Education Division  
 Mr.Trieu Tat :Deputy Head  
 Mr.Bui Ngoc Trac :Officer
- Dam Ha Town  
 Mr.Luong Lienh :PC Chairman
- Dam Ha Primary School  
 Mr.Ty Minh Xuan :Headmaster
- Van Don District  
 District Education Division  
 Mr.Ngo Thi Nam :Head
- Ha Long Village  
 Mr.Le Minh Thuoc :Chief Secretary  
 Mr.Bui Van Ban :PC Chairman
- Ha Long 1 Primary School  
 Mr.Tran Thi Be :Headmaster  
 Mr.Nguyen V. Ky :Head, Parents Assoc.
- Binh Lieu District  
 District Education Division  
 Mr.Trinh Van Duoc :Deputy Head  
 Mr.Bui Xuan Dao :Officer
- Binh Lieu Town  
 Mr.Tran Long :PC Vice Chairman

T.T. Binh Lieu Primary School  
 Mr. Ngo Thiem Voong :Headmaster  
 Mr. Hoang Thi Han :Head Teacher  
 Mr. Giap Dong :Head, Parents Assoc.

Education Division  
 Mr. Nguyen Minh Hung :Deputy Head  
 Mr. Nguyen Dan :Expert  
 Mr. Tu An :Expert of Land Affairs

Dien Ngoc Village  
 Mr. Nguyen Huu Nhat :PC Vice Chairman  
 Mr. Huynh Duc Nghiep :Charge of Social  
 Cultures

Le Hong Phong Primary School  
 Mr. Tran Van Tho :Headmaster

● Da Nang City

City Department of Education & Training  
 Mr. Lam Hung :Director  
 Mr. Dang Ngoc Anh :Officer  
 Mr. Thai Van Han :Deputy Director,  
 Planning Division  
 Department of Planning & Investment  
 Mr. Nguyen Thi Thanh Thuy :Deputy Director  
 Mr. Trinh Diep Chi :Officer  
 Mr. Tran Van Han :Expert

● Hoi An City

Hoi An City  
 Mr. Trinh Van Toan :PC Vice Chairman  
 Mr. Nguyen Van Son :PC, General Affairs  
 Mr. Nguyen Van Hien :Head  
 Education Division  
 Mr. Le Ngoc Chien :Head

● Hoa Vang District

Hoa Vang District  
 Mr. Nguyen Anh Tuan :PC Vice Chairman  
 Education Division  
 Mr. Nguyen Thanh :Head

Cam Ha Village  
 Mr. Nguyen Van Dung :PC Member  
 Le Do Primary School  
 Mr. Nguyen Tung :Headmaster

● Hoa Lien Village

Mr. Nguyen Van Sau :PC Chairman  
 Mr. Nguyen Quy :Chief Secretary

● Duy Xuan District

Duy Xuan District  
 Mr. Nguyen Van Hien :PC Chairman

Hoa Lien Primary School

Mr. Nguyen Van Phu :Headmaster

Education Division

Mr. Van Ba Huyen :Officer

Hoa Son Village

Mr. Nguyen Thuan :PC Chairman

Duy Phu Village

Mr. Tran Van Hai :PC Representative  
 Chairman

Hoa Son Primary School

Mr. Pham Dinh Phuc :Headmaster

Mr. Nguyen Minh Duc :PC Senior Member

Duy Phu Primary School

Mr. Le Nam :Headmaster

● Quang Nam Province

Department of Education & Training  
 Mr. Tran Thi Huong :Deputy Director  
 Mr. Nguyen Hoang Thanh :Officer

● Dai Loc District

Dai Loc District

Mr. Truong Cong Kich :PC Vice Chairman

District Education Division

Mr. Nguyen Dang May :Head

Mr. Doan Ngoc Que :Expert

Department of Planning & Investment

Mr. Tran Van Tri :Deputy Director

Mr. Luu Van Nam :Officer

Planning & Investment Division

Mr. Dang Thanh Binh :Deputy Head

Mr. Dinh Van Son :Expert of Land Affairs

Provincial People's Committee

Mr. Ho Thi Thanh Lam :Vice Chairman

Dai Thang Village

Mr. Phan Van Dung :PC Chairman

● Dien Ban District

Dien Ban District  
 Mr. Phung Quang :Head, General Affairs  
 Section

Dai Thang Primary School

Mr. Tran Huy Tu :Headmaster

●Que Son District

Que Son District

Mr. Ha Phuoc Trinh :PC Vice Chairman  
Mr. Vo Van Trung :PC Expert  
Mr. Nguyen Dinh Tam :PC Member

District Education Division

Mr. Le Quang Anh :Head  
Mr. Le Tan Khanh :Officer  
Mr. Nguyen Quang Vinh :Charge of Land Affairs

Que Chau Village

Mr. Tran Dinh Dieu :PC Chairman  
Mr. Nguyen Dinh Ky :Charge of Land Affairs

Que Chau Primary School

Mr. Bui Duc :Headmaster  
Mr. Nguyen Tan :Head Teacher

Dong Phu Town

Mr. Nguyen Van Thanh :PC Chairman  
Mr. Phan Thanh Cuc :PC Vice Chairman  
Mr. Dang Van Hue :Charge of Land Affairs

Dong Phu Primary School

Mr. Tran Phuoc Hung :Headmaster  
Mr. Phan Thi Quynh Sam :Head Teacher

●Hiep Duc District

Hiep Duc District

Mr. Nguyen Duy Phuc :PC Vice Chairman  
Mr. Nguyen Duy Phuc :PC Member

District Education Division

Mr. Hoang Cam :Head  
Mr. Phan Van Nam :Charge of Land Affairs  
Mr. Phan Van Ba :Charge of Land Affairs  
Mr. Nguyen Ba :Charge of Land Affairs

Binh Lam Village

Mr. Le Minh Chau :PC Chairman

Ly Tu Trong Primary School

Mr. Nguyen Tan Ke :Headmaster

Tan An Town

Mr. Do Van Xin :PC Chairman

Le Van Tam Primary School

Mr. Phan Thanh Son :Headmaster

●Tien Phuoc District

Tien Phuoc District

Mr. Vo Thanh Hai :PC Vice Chairman

District Education Division

Mr. Nguyen Khanh :Head  
Mr. Vo Huu Phat :Officer  
Mr. Le Truong Trinh :Charge of Land Affairs

Tien Tho Village

Mr. Le Van Tho :PC Chairman  
Mr. Nguyen Van Tu :Charge of Land Affairs

Tran Ngoc Suong Primary School

Mr. Trieu Thanh Tam :Headmaster  
Mr. Do Tai :Head Teacher  
Mr. Nguyen Chau :Head Teacher

Tien Chau Village

Mr. Huynh Van Lanh :PC Chairman  
Mr. Phan Huy Chuong :PC Vice Chairman  
Mr. Huynh Van :Deputy Secretary

Tien Chau Primary School

Mr. Vo Mong Duc :Headmaster

●Nui Thanh District

Nui Thanh District

Mr. Phan Van Quyen :PC Vice Chairman

Education Division

Mr. Tran Quoc Khanh :Deputy Head  
Mr. Phan Nho Thuoc :Officer  
Mr. Son :Charge of Land Affairs

Tam Quang Village

Mr. Bui Bai :PC Chairman  
Mr. Bui Van Nhan :Charge of Land Affairs

Tam Quang Primary School

Mr. Vo Chien :Headmaster  
Mr. Le Vinh :Head Teacher

●Tam Ky District

District Education Division

Mr. Nguyen Van Tan :Head  
Mr. Tran Nhoi :Officer

Vo Thi Sau Village

Mr. Dinh Ngoc Hai :PC Chairman  
Mr. Nguyen Diang Duong :PC Vice Chairman  
Mr. Truong Xuan Mai :Chief Secretary  
Mr. Dong Nhu Yen :Charge of Land Affairs

Vo Thi Sau Primary School

Ms. Nguyen Thi Hong Thoa :Headmaster  
Mr. Nguyen Quang Bui :Head Teacher

●Quang Ngai Province

Provincial People's Committee

Mr. Hoang Ngoc Tran :Vice Chairman  
Mr. Tran Minh Hung :PC External Affairs  
Expert

- Department of Education & Training  
 Mr. Nguyen Van Trang :Director  
 Mr. Vu Van Dung :Deputy Director  
 Mr. Ngo Huu Dang :Deputy Head,  
 Construction Division  
 Mr. Huynh Ngoc Can :Expert
- Nghia Hanh District  
 District Education Division  
 Mr. Pham Thieu :Head
- Cho Chua Village  
 Mr. Nguyen Thu Yen :PC Chairman
- Cho Chua Primary School  
 Mr. Nguyen Tan Soai :Headmaster  
 Mr. Nguyen Van Nguyen :Head Teacher
- Tu Nghia District  
 Tu Nghia District  
 Mr. Pham Cao Tran :PC Vice Chairman
- District Education Division  
 Mr. Le Dinh Phuoc :Head
- Nghia Phu Village  
 Mr. Tran Viet Minh :PC Chairman
- Nghia Phu Primary School  
 Mr. Nguyen Ky :Headmaster
- Tra Bong District  
 District Education Division  
 Mr. Ho Thi Thang :Deputy Head
- Tra Phu Village  
 Mr. Bui Quang Lam :PC Chairman
- Tra Phu Primary School  
 Mr. Nguyen Tein Bo :Headmaster  
 Mr. Tran Dang Tuan :Head Teacher
- Binh Son District  
 Binh Son District  
 Mr. Nguyen Hoang Son :PC Vice Chairman
- District Education Division  
 Mr. Pham Phuong :Head  
 Mr. Tran Nguyen Vinh :Officer
- Binh Hoa Village  
 Mr. Dinh Kien :PC Chairman
- Binh Hoa Primary School  
 Ms. Nguyen Thi Truu :Headmaster  
 Mr. Nguyen Thai Chau :Head Teacher
- Son Tinh District  
 District Education Division  
 Mr. Tran Minh Hien :Head  
 Mr. Bui Trung :Deputy Head  
 Mr. Bui Ta Phuong :Officer  
 Mr. Bui Ta Phuong :Officer
- Son Tinh Town  
 Mr. Truong Quang Thanh :PC Chairman
- Son Tinh Primary School  
 Ms. Nguyen Thi Vien :Headmaster
- Tinh Ha Village  
 Mr. Nguyen Van Tan :Vice Secretary  
 Mr. Tran Dinh Man :PC Chairman  
 Mr. Vu The Huy :PC Vice Chairman
- Tinh Ha 2 Primary School  
 Mr. Bach Ngoc Gioi :Headmaster
- Parents Association Members:  
 Mr. Nguyen Nhan  
 Mr. Do Thi Lan  
 Mr. Luong Van Minh  
 Mr. Le Van Quang  
 Mr. Bui Duc  
 Mr. Nguyen Thi Lin  
 Mr. Tran Thi  
 Mr. Nguyen Van Ghet  
 Mr. Pham Xuan Lai  
 Mr. Bui Muoi  
 Mr. Le Thi Thu Thuy  
 Mr. Ho Van Huynh  
 Mr. Do Meo  
 Mr. Nguyen Thi Huong  
 Mr. Dang Phuc Son
- Mo Duc District  
 District Education Division  
 Mr. Tran Nha The :Deputy Head
- Duc Loi Village  
 Mr. Nguyen Xe :PC Chairman
- Duc Loi Primary School  
 Mr. Tran Vui Duc :Headmaster
- Song Ha District  
 District Education Division  
 Mr. Nguyen Van Hoa :Head
- Song Lang Village  
 Mr. Le Van Luu :PC Chairman  
 Mr. Truong Quang Thang :PC Member
- Duc Pho District  
 District Education Division  
 Mr. Nguyen Tien Dung :Head

- Pho Cuong Village  
 Mr. Vo Huu Thinh :Secretary  
 Mr. To Thanh Hai :Vice Secretary  
 Mr. Vo Thanh Liem :PC Vice Chairman  
 Pho Cuong Primary School  
 Mr. Vo Thanh :Headmaster
- Ba To District  
 District Education Division  
 Mr. Dinh Thi Hua :Head  
 Mr. Tran Ngoc Thanh :Officer
- Ba Vi Village  
 Mr. Dinh Xuan Lac :PC Chairman  
 Mr. Dinh Trung Tien :PC  
 Mr. Ngo Thanh Duoc :Vice Secretary  
 Ba Vi Primary School  
 Mr. Le Xuan An :Headmaster  
 Mr. Tran Ngoc Vuy :Head Teacher
- 
- Binh Dinh Province  
 Provincial People's Committee  
 Mr. Mai Ai Truc :Chairman  
 Mr. Nguyen Tan :Member  
 Mr. Tran Bao Lam :Member  
 Mr. Pham Thanh Que :Charge of  
 External Affairs  
 Mr. Tran Bao Lam :Charge of  
 General Affairs  
 Mr. Nguyen Phu Hung :Secretary  
 Department of Education & Training  
 Mr. Dang Thi Minh Huong :Deputy Director  
 Mr. Vo Tien Bo :Deputy Head, Planning  
 & Investment Division  
 Mr. Nguyen Thang :Charge of Construction  
 Department of Construction  
 Mr. Nguyen Huynh :Director  
 Department of Planning & Investment  
 Mr. Le Van Tam :Deputy Director  
 Department of Land Affairs  
 Mr. Nguyen Luu An :Director  
 Department of Finance  
 Mr. Dang Van Hung :Deputy Director
- An Lao District  
 An Lao District  
 Mr. Dinh Xuan Ben :PC Vice Chairman  
 Mr. Do Dinh An :Charge of Land Affairs  
 Mr. Nguyen Thanh Khiat :Charge of Land Affairs  
 District Education Division  
 Mr. Nguyen Han :Head
- An Hoa Village  
 Mr. Tran Tan Si :PC Chairman  
 Mr. Thai Van No :PC Vice Chairman  
 Mr. Chau Van Nho :Secretary  
 Mr. Truong Van Tam :PC Senior Member  
 Mr. Nguyen Xuan Le :Charge of Land Affairs  
 An Hoa Primary School  
 Mr. Nguyen Hung Minh :Headmaster  
 Mr. Huynh Hoc :Head Teacher
- Hoai Nhon District  
 Hoai Nhon District  
 Mr. Hoang Hac :PC Vice Chairman  
 Mr. Truong Van Phuong :PC Member  
 District Education Division  
 Mr. Hoang Minh Gioi :Head  
 Mr. Doan Thuy Binh :Deputy Head  
 Mr. Lam Ngoc Vinh :Officer
- Tam Quan Nam Village  
 Mr. Truong Dinh Dung :PC Chairman  
 Tam Quan Nam Primary School  
 Mr. Vo Khoi Binh :Headmaster
- Hoai Huong Village  
 Mr. Nguyen Huu Luc :Secretary  
 Mr. Le Duc Nga :PC Chairman  
 Mr. Nguyen Ba Huu :Planning Division  
 Mr. Nguyen Van Thuan :Charge of Land Affairs  
 Hoai Huong Primary School  
 Mr. Tran Duc :Headmaster  
 Mr. Nguyen Van Quy :Head Teacher  
 District Education Division  
 Mr. Hoang Minh Gioi :Head  
 Mr. Doan Thuy Binh :Officer
- Qui Nhon City  
 City Education Division  
 Mr. Le Thai Phien :Head
- Le Hong Phong Village  
 Mr. Doan Thanh Ky :PC Vice Chairman  
 District Education Division  
 Mr. Dang Thi Huong :Deputy Head  
 Mr. Nguyen Thang :Officer
- Le Hong Phong Primary School  
 Mr. Nguyen Trung Phiet :Headmaster  
 Mr. Tran Hoa :Parents Assoc.  
 Mr. Nguyen Kim Sang :Parents Assoc.

- Nhon Binh Village  
 Mr. Ngo Dinh Nam :PC Chairman, Secretary  
 Mr. Ho Hoang Trong :PC Vice Chairman  
 Mr. Nguyen Dinh Thong :Charge of Social Culture  
 Nhon Binh Primary School  
 Mr. Le Van Canh :Headmaster  
 Mr. Quach Van Thang :Head Teacher
- Hoai An District  
 Hoai An District  
 Mr. Nguyen Dinh Ngai :PC Vice Chairman  
 District Education Division  
 Mr. Phan Thi Hong Thu :Deputy Head  
 Mr. Luu Xuan Canh :Officer
- An Thanh Village  
 Mr. Phan Ngoc Quy :PC Vice Chairman  
 An Thanh Primary School  
 Mr. Tran Duy Son :Headmaster
- Phu My District  
 District Education Division  
 Mr. Nguyen Van Chong :Head  
 Mr. Ngo Huu Tan :Officer  
 Mr. Tran Dinh Thoi :Chief Accountant
- My An Village  
 Mr. Tran Dinh Hao :Secretary  
 Mr. Ho Ngoc Hai :PC Chairman  
 Mr. Lam Van Thiet :PC Senior Member  
 Mr. Ngo Van Tram :PC Member  
 Mr. Van Tien Sy :Charge of Land Affairs  
 My An Primary School  
 Mr. Vo Van Tung :Headmaster  
 Mr. Dang An :Accountant
- Phu Cat District  
 District Education Division  
 Mr. Dang Huu Loc :Head  
 Mr. Huynh Van Tuan :Officer
- Cat Khanh Village  
 Mr. Tra Ngoc Ty :Secretary  
 Mr. Tran Huu Hanh :PC Chairman  
 Nguyen Tan Thau :PC Senior Member  
 Cat Khanh Primary School  
 Mr. Phan Van Chieu :Headmaster
- Vinh Thanh District  
 District Education Division  
 Mr. Huynh Van Chinh :Head
- Vinh Thinh Village  
 Mr. Nguyen Ngoc Thanh :PC Vice Chairman  
 Vinh Thinh Primary School  
 Mr. Lam Ngoc Hoa :Headmaster  
 Mr. Luong Kim Anh :Head Teacher
- Tay Son District  
 District Education Division  
 Mr. Do Van Loi :Officer
- Vo Xan Town  
 Mr. Phung Ngoc Diep :PC Chairman  
 Vo Xan Primary School  
 Mr. Ho Quang Tri :Headmaster  
 Mr. Nguyen Xuan Ngoc :Accountant
- An Nhon District  
 District Education Division  
 Mr. Nguyen Duc Sang :Head
- Dap Da Village  
 Mr. Nguyen Van Nhuoc :Chief Secretary  
 Mr. Nguyen Thanh Minh :PC Chairman  
 Mr. Vo Van Anh :PC Vice Chairman  
 Mr. Nguyen Van Chau :Charge of Land Affairs  
 Dap Da Primary School  
 Mr. Tran Van Triet :Headmaster  
 Mr. Vo Van Phuc :Head Teacher
- Van Canh District  
 District Education Division  
 Mr. Pham Huy :Head  
 Mr. Giang Thi Ngat :PC Member
- Canh Hiep Village  
 Mr. Nguyen Cao Khoi :PC Member  
 Canh Hiep Primary School  
 Mr. Man Dang My :Headmaster  
 Mr. Le Thi Tuyet Hanh :Head Teacher
- Tuy Phuoc District  
 Tuy Phuoc District
- Puoc Thanh Village  
 Mr. Dao Trong Binh :PC Vice Chairman  
 Mr. Le Thanh Dien :Charge of Social  
 Cultures
- Puoc Thanh Primary School  
 Mr. Tran Anh Tuan :Headmaster  
 Mr. Nguyen Thai Binh :Head Teacher  
 Mr. Tran Huu Le :Teaching Secretary



JAPANESE PARTIES

●Embassy of Japan

Ms.Misako Kaji :Councilor  
Mr.Mitsunori Ida :Second Secretary  
Mr.Yasuyuki Ito :Second Secretary

●JICA Hanoi Office

Mr.Masao Todoroki :Resident  
Representative  
Mr.Takeshi Hatakeyama :Deputy Resident  
Representative  
Mr.Hisatoshi Ohkubo :Assistant Resident  
Representative



## APPENDIX 4 MINUTES OF DISCUSSION

### 4-1. BASIC DESIGN STUDY

**Minutes of Discussions**  
**on**  
**the Basic Design Study on the Project for Improvement**  
**of the Facilities of Primary Schools ( PhaseIV )**  
**in**  
**the Socialist Republic of Viet Nam**

In response to a request from the Government of Viet Nam, the Government of Japan has decided to conduct a Basic Design Study on the Project for Improvement of the Facilities of Primary Schools in Viet Nam ( hereinafter referred to as "the Project" ), and entrusted the study to Japan International Cooperation Agency (JICA).

JICA sent to Viet Nam a Basic Design Study Team headed by Mr. Yoshinori YAKABE, Grant Aid Division, Economic Cooperation Bureau, Ministry of Foreign Affairs, and is scheduled to stay in the country from April 7 to May 14, 1997.

The team held discussions with the officials concerned of the Government of Viet Nam and conducted a field survey at the study area. As a result of discussions and field survey, both parties confirmed the main items described on the attached sheets.

Hanoi, April 16, 1997



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Yoshinori YAKABE  
Leader,  
Basic Design Study Team  
Japan International Cooperation Agency



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Prof. Dr. Tran Van Nhung  
Director  
International Relations Department  
Ministry of Education and Training

## **ATTACHMENT**

### **1. OBJECTIVE OF THE PROJECT**

The objectives of the Project are to construct school buildings and facilities and supply educational equipment of primary schools in the typhoon affected areas in the Socialist Republic of Viet Nam.

### **2. PROJECT IMPLEMENTING AGENCY**

Ministry of Education and Training (MOET) is the Implementing Agency of the Project.

### **3. CANDIDATE RECIPIENT SCHOOLS TO BE SURVEYED FOR THE PROJECT AND PROJECT AREA**

The eighty (80) schools in the 7 provinces and Hoa Vang District (Danang City) listed in Annex-1 shall be the candidate recipient schools to be surveyed for the Project.

### **4. ITEMS REQUESTED BY VIETNAMESE SIDE**

The major items requested by Vietnamese side for the Project are listed in Annex-2.

### **5. SUBJECT OF THE VIETNAMESE SIDE'S F/S**

The Vietnamese side will take necessary measures to obtain approval from the Government of Viet Nam for the Project and notify the Japanese side of acceptance of the Draft Basic Design by 10th September 1997 to facilitate the implementation of the Project.

### **6. JAPAN'S GRANT AID SYSTEM**

Vietnamese side has understood the system of Japan's Grant Aid Programme explained in Annex-3.

### **7. NECESSARY MEASURES TO BE TAKEN BY VIETNAMESE SIDE**

- 7-1) The Government of Viet Nam will take necessary measures described in Annex-4 for smooth implementation of the Project on condition that the Grant Aid by the Government of Japan is extended to the Project.
- 7-2) The Vietnamese side should complete topographic survey and mechanical boring test at the Project sites by the end of July, 1997. The result of such survey and test

will be sent to the Team through the JICA office in Viet Nam as soon as possible.

#### 8. FURTHER SCHEDULE OF THE STUDY

- 1) The Basic Design Study Team will proceed to study further in Viet Nam until May 14, 1997.
- 2) JICA will prepare a DRAFT BASIC DESIGN and dispatch a DRAFT REPORT EXPLANATION TEAM FOR THE DRAFT BASIC DESIGN in July, 1997 in order to explain and to confirm on the contents of the Draft Basic Design.
- 3) In case that the Draft Basic Design is accepted by Vietnamese side, JICA will complete the STUDY REPORT and send it to Vietnamese side by October, 1997.

**ANNEX-1 LIST OF CANDIDATE RECIPIENT SCHOOLS  
TO BE SURVEYED FOR THE PROJECT**

**QUANG NAM PROVINCE**

1	Que Chau	District Que Son
2	Ly Tu Trong	District Hiep Duc
3	Dai Thang	District Dai Loc
4	Duy Phu	District Duy Xuyen
5	Le Hong Phong	District Dien Ban
6	Thai Phien	District Thang Binh
7	Tran Ngoc Suong	District Tien Phuoc
8	Vo Thi Sau	District Tam Ky
9	Tam Quang	District Nui Thanh
10	Le Do	District Hoi An
11	Dong Phu	District Que Son
12	Le Van Tam	District Hiep Duc

**DA NANG**

1	Hoa Son	District Hoa Vang
2	Hoa Lien	District Hoa Vang

**QUANG NGAI PROVINCE**

1	Binh Hoa	District Binh Son
2	Tinh Ha No.2	District Son Tinh
3	Nghia Phu	District Tu Nghia
4	Pho Thanh	District Duc Pho
5	Cho Chua	District Nghia Hanh
6	Quang Phu No.1	Quang Ngai Town
7	Son Lang	District Son Ha
8	Ba Vi	District Ba To
9	Tra Phu	District Tra Bong
10	Duc Loi	District Mo Duc
11	Pho Cuong No.1	District Duc Pho
12	Son Tinh	District Son Tinh

### **BINH DINH PROVINCE**

1	Dap Da	District An Nhon
2	My An	District Phu My
3	An Hoa	District An Lao
4	Canh Hiep	District Van Canh
5	Vinh Thinh	District Vinh Thanh
6	Le Hong Phong	Qui Nhon Town
7	Phuoc Thanh	District Tuy Phuoc
8	Tay Phu	District Tay Son
9	Tam Quan Nam	District Hoai Nhon
10	An Thanh	District Hoai An
11	Cat Khanh	District Phu Cat
12	Hoai Huong	District Hoai Nhon
13	Nhon Binh	Qui Nhon Town
14	Vo Xan	District Tay Son

### **PHU YEN PROVINCE**

1	Hoa Binh 2	District Tuy Hoa
2	Hoa Hiep Bac	District Tuy Hoa
3	Phuong 2	Tuy Hoa Town
4	Hoa Tri	Tuy Hoa Town
5	An Cu	District Tuy An
6	Xuan Loc	District Song Cau
7	La Hai	District Dong Xuan
8	Cung Son	District Song Hoa
9	Hai Rieng	District Song Hinh

### **KHANH HOA PROVINCE**

1	Phuoc Tien	Nha Trang Town
2	Tan Lap I	Nha Trang Town
3	Van Luong I	District Van Ninh
4	Van Phu	District Van Ninh
5	Ninh An	District Ninh Hoa
6	Ninh Giang	District Ninh Hoa
7	Thi Tran 2	District Dien Khanh
8	Yersin	District Dien Khan

9	Cam Hai Tay	District Cam Ranh
10	Cam Hoa 1	District Cam Ranh

#### **BINH THUAN PROVINCE**

1	Tan Ha 2	District Duc Lien
2	Ham Thang	District Ham Thuan Bac
3	La Gi 1	District Ham Tan
4	Phan Ri Thanh 2	District Bac Binh
5	Dong Kho	District Tanh Linh
6	Phan Ri Cua 4	District Tuy Phong
7	Tan Lap 1	District Ham T Nam
8	Tan Lap 3	District Ham T Nam
9	Hung Long	Phan Thiet Town
10	Mui Ne	Phan Thiet Town
11	Duc Long	Phan Thiet Town

#### **QUANG NINH PROVINCE**

1	Tran Quoc Toan	District Ha Long
2	Cam Sot	District Cam Pha
3	Hong Thai Tay	District Dong trieu
4	Quang Trung	District Uong Bi
5	Cong Hoa	District Yen Hung
6	Tien Yen	District Tien Yen
7	Vo Ngai	District Binh Lieu
8	Ba Che	District Ba Che
9	Ha Long	District Van Don
10	Thi Tran Quang Ha	District Quang Ha



**ANNEX-2 ITEMS REQUESTED BY THE VIETNAMESE SIDE**

Classrooms  
Administration Offices  
Toilets  
Water Supply Facilities  
Blackboards  
Desks  
Chairs  
Cabinets  
Educational Equipment  
Laboratories  
Libraries  
Electricity Preparation  
Others

## ANNEX-3 JAPAN'S GRANT AID PROGRAMME

### 1. Japan's Grant Aid Procedures

1) Japan's Grant Aid Program is executed through the following procedures.

- Application (A request made by the recipient country)
- Study (Basic Design Study conducted by JICA)
- Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
- Determination of Implementation (Exchange of Notes between the Governments of Japan and the recipient country)

2) At the first step (Application), a request made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs), whether it is suitable for Grant Aid. If the request is confirmed that it has a high priority as the Project for Grant Aid, the Government of Japan instructs JICA to conduct the Study.

At the second step (the Study), the Basic Design Study is conducted by JICA basically under contracts with a Japanese consulting firm to carry out.

At the third step (Appraisal & Approval), the Government of Japan appraises whether or not the Project is suitable for Japan's Grant Aid Programme based on the Basic Design Study Report prepared by JICA, and then it is submitted for an approval by the Cabinet.

At the fourth step (Determination of Implementation), the Project approved by the Cabinet is officially determined to implement by signing the Exchange of Notes between both Governments.

In the course of implementation of the Project, JICA will take charge of expediting the execution by assisting the recipient country in terms of the procedures of tender, contract and others.

### 2. Basic Design Study

1) Contents of the study

The purpose of the study (the Basic Design Study) conducted by JICA is to provide basic documents necessary for the appraisal by the Government of Japan whether or not the project is viable for Japan's Grant Aid Programme. The contents of the Study are as follows :

- a) to confirm the background of the request, objectives and effect of the Project and maintenance ability of the recipient country necessary for the implementation,

- b) to evaluate the appropriateness of the Grant Aid from the technological, social and economical points of views,
- c) to confirm the basic concept of the plan mutually agreed upon through discussion between both sides.
- d) to prepare a basic design of the Project,
- e) to estimate rough cost of the Project.

The contents of the original request are not necessarily approved as the contents of the Grant Aid as it is. The Basic Design of the Project is confirmed considering the Japan's Grant Aid Scheme. In the implementation of the Project, the Government of Japan requests the recipient country to take necessary measures in order to promote its self-reliance. Those undertakings shall be guaranteed even if the recipient implementing entity does not have jurisdiction. Therefore, the implementation of the Project is confirmed by all relevant organizations in the recipient country in the Minutes of Discussions.

## 2) Selection of Consultants

For a smooth implementation of the Study, JICA selects a consultant that are registered to JICA by evaluating proposals submitted by those consultants. The selected consultant carries out the Basic Design Study and prepares a report based upon the terms of reference made by JICA.

At the stage of implementation after the Exchange of Notes, for concluding the contract regarding the Detailed Design and Construction Supervision of the Project between a consultant and the recipient country, JICA recommends the same consultant which participated in the Basic Design Study to the recipient country in order to maintain the technical consistency between the Basic Design Study and the Detailed Design as well as to avoid undue delay caused by the selection of a new consultant.

## 3. Japan's Grant Aid Scheme

- 1) The Grant Aid Program provides a recipient country with non-reimbursable funds needed to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

## 2) Exchange of Notes (EN)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, ect., are confirmed.

## 3) Period

"The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as Exchange of Notes, concluding contracts by (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

## 4) Purchase of the Products and or Services

Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However the prime contractors, namely, consulting constructing and procurement firms, are limited to "Japanese nationals." (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

## 5) Verification

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

## 6) Undertakings required of the Government of the Recipient Country

(As described in ANNEX 4)

#### 7) Proper Use

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

#### 8) Re-export

The products purchased under the Grant Aid should not be re-exported from the recipient country.

#### 9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

#### **ANNEX-4 NECESSARY MEASURES TO BE TAKEN BY VIETNAMESE SIDE**

Following necessary measures should be taken by the Government of Viet Nam on condition that the Grant Aid by the Government of Japan is extended to the Project:

1. To provide data and information necessary for the Project.
2. To secure, clear, level and reclaim the site for the Project prior to the Project implementation.
3. To provide proper access road to the Project area.
4. To undertake incidental outdoor works, such as gardening, fencing, exterior lighting, and other incidental facilities in and around the Project site, if necessary.
5. To bear commissions to the Japanese foreign exchange bank for its banking services based upon the Banking Arrangement, namely the advising commission of the "Authorization to Pay" and payment commission.
6. To ensure prompt unloading, tax exemption, customs clearance at the port of disembarkation in Viet Nam and prompt internal transportation therein of the materials and equipment for the Project purchased under the Grant Aid.
7. To exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in Viet Nam with respect to the supply of the products and services under the verified contracts.
8. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into Viet Nam and stay therein for the performance of their work.
9. To provide necessary permissions, licenses and other authorizations for implementing the Project, if necessary.
10. To assign appropriate budget and teaching and administrative staff members for proper and effective operation and maintenance of equipment provided under the Grant Aid.
11. To maintain and use properly and effectively the facilities constructed and the equipment provided under the Project.

12. To bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project.

## 4-2. CONSULTATION ON THE DRAFT BASIC DESIGN

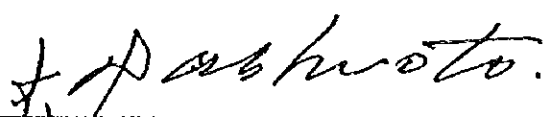
**Minutes of Discussions**  
**on**  
**The Basic Design Study on the Project for**  
**Improvement of the Facilities of Primary Schools (Phase IV)**  
**in**  
**the Socialist Republic of Viet Nam**  
**(Consultation On Draft Basic Design)**

In April 1997, the Japan International Cooperation Agency (JICA) dispatched a Basic Design Study Team on the Project for Improvement of the Facilities of Primary Schools (Phase IV) in the Socialist Republic of Viet Nam (hereinafter referred to as "the Project"), and through discussions, field survey, and technical examination of the result in Japan, has prepared the draft basic design of the study.

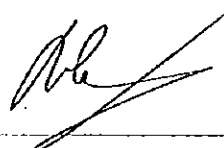
In order to explain and to consult to the Vietnamese side on the components of the draft basic design, JICA sent to Viet Nam a Draft Basic Design Study Team headed by Mr. Akihiko HASHIMOTO, Managing Director of Tsukuba International Center, JICA, and is scheduled to stay in the country from July 21 to 29, 1997.

As a result of discussions, both parties have confirmed the main items described on the attached sheets.

Hanoi, July 25, 1997



\_\_\_\_\_  
Akihiko HASHIMOTO  
Leader,  
Draft Basic Design Study Team  
Japan International Cooperation Agency



\_\_\_\_\_  
Prof. Dr. Tran Van Nhung  
Director,  
International Relations Department  
Ministry of Education and Training



## ATTACHMENT

### 1. Components of Draft Basic Design

The Vietnamese side has agreed and accepted in principle the contents of the Draft Basic Design proposed by the team.

### 2. Japan's Grant Aid System

The Vietnamese side has understood the system of the Japan's Grant Aid Programme explained in Annex-2.

### 3. Implementing Agency

Ministry of Education and Training (MOET) takes the responsibility of implementing the project.

### 4. Schools to be covered by the Project

Both parties have confirmed the primary schools to be covered under the Project as listed in Annex-1.

### 5. Necessary Measures to be taken by the Vietnamese side

(1) The Vietnamese side will take the necessary measure to obtain approval from the Government of Viet Nam for the Project and notify the Japanese side of acceptance of the Draft Basic Design by the 10th September, 1997 to facilitate the implementation of the Project.

(2) The Vietnamese side has assured to secure, clear, reclaim, and level the land necessary for implementing the Project in the confirmed sites before the Project implementation.

(3) The Vietnamese side should complete topographic survey and mechanical boring test at the Project sites by the end of August, 1997. The result of such survey and test will be sent to the Team through the JICAViet Nam office as soon as possible.

(4) The Vietnamese side will take the necessary measures described in Annex-3, for smooth implementation of the Project, on condition that the Grant Aid by the Government of Japan is extended to the Project.

### 6. Further Schedule of the Study

The Team will make a Basic Design Study Report in accordance with the confirmed items, and send it to the Vietnamese side by October, 1997.

f.



## ANNEX 1.

### LIST OF THE PRIMARY SCHOOLS TO BE COVERED UNDER THE PROJECT

#### QUANG NAM/DA NANG

1	Que Chau	Que Son District
2	Ly Tu Trong	Hiep Duc District
3	Dai Thang	Dai Loc District
4	Duy Phu	Duy Xuyen District
5	Le Hong Phong	Dien Ban District
6	Thai Phien	Thang Binh District
7	Tien Chau	Tien Phuoc District
8	Vo Thi Sau	Tam Ky District
9	Tam Quang	Nui Thanh District
10	Le Do	Hoi An District
11	Dong Phu	Que Son District
12	Le Van Tam	Hiep Duc District
13	Hoa Son	Hoa Vang District
14	Hoa Lien	Hoa Vang District

#### QUANG NGAI

1	Binh Hoa	Binh Son District
2	Tinh Ha 2	Son Tinh District
3	Nghia Phu	Tu Nghia District
4	Pho Thanh	Duc Pho District
5	Cho Chua	Nghia Hanh District
6	Quang Phu 1	Quang Ngai Town
7	Son Lang	Son Ha District
8	Ba Vi	Ba To District
9	Tra Phu	Tra Bong District
10	Duc Loi	Mo Duc District
11	Pho Cuong 1	Duc Pho District
12	Son Tinh	Son Tinh District

#### BINH DINH

1	Dap Da	An Nhon District
2	My An	Phu My District
3	An Hoa 2	An Lao District
4	Canh Hiep	Van Canh District
5	Vinh Thinh	Vinh Thanh District
6	Le Hong Phong	Qui Nhon City
7	Phuoc Thanh	Tuy Phuoc District
8	Tay Phu	Tay Son District
9	Tam Quan Nam	Hoai Nhon District
10	An Thanh	Hoai Ai District
11	Cat Khanh	Phu Cat District
12	Hoai Huong	Hoai Nhon District
13	Nhon Binh 1	Qui Nhon City
14	Vo Xan	Tay Son District

**PHU YEN**

1	Hoa Thinh 2	Tuy Hoa District
2	Hoa Thanh 1	Tuy Hoa District
3	Hoa Quang 2	Tuy Hoa Town
4	Hoa Tri 1	Tuy Hoa Town
5	An Cu	Tuy An District
6	Xuan Loc 1	Song Cau District
7	La Hai 1	Dong Xuan District
8	Cung Son 2	Song Hoa District
9	Hai Rieng	Song Hinh District

**KHANH HOA**

1	Phuoc Tien	Nha Trang City
2	Tan Lap 1	Nha Trang City
3	Van Luong 1	Van Ninh District
4	Van Phu	Van Ninh District
5	Ninh An	Ninh Hoa District
6	Ninh Giang	Ninh Hoa District
7	Thi Tran 2	Dien Khanh District
8	Yersin	Dien Khanh District
9	Cam Hai Tay	Cam Ranh District
10	Cam Hoa 1	Cam Ranh District

**BINH THUAN**

1	Tra Tan 1	Duc Linh District
2	Ham Thang	Ham Thuan Bac District
3	Lagi 1	Ham Tan District
4	Phan Ri Thanh 2	Bac Binh District
5	Dong Kho	Tanh Linh District
6	Phan Ri Cua 4	Tuy Phong District
7	Tan Lap 1	Ham Thuan Nam District
8	Tan Lap 3	Ham Thuan Nam District
9	Hung Long	Phan Thiet Town
10	Mui Ne	Phan Thiet Town
11	Duc Long	Phan Thiet Town

**QUANG NINH**

1	Tran Quoc Toan	Ha Long City
2	Cam Son	Cam Pha Town
3	Hong Thai Tay	Dong Trieu District
4	Quang Trung	Uong Bi District
5	Cong Hoa	Yen Hung District
6	T.T.Tien Yen	Tien Yen District
7	T.T.Binh Lieu	Binh Lieu District
8	Ba Che	Ba Che District
9	Ha Long	Van Don District
10	T.T. Dam Ha	Quang Ha District

## ANNEX 2.

### JAPAN'S GRANT AID PROGRAMME

#### 1. Japan's Grant Aid Procedures

1) Japan's Grant Aid Program is executed through the following procedures.

- Application (A request made by the recipient country)
- Study (Basic Design Study conducted by JICA)
- Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
- Determination of Implementation (Exchange of Notes between the Governments of Japan and the recipient country)

2) At the first step (Application), a request made by the recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs), whether it is suitable for Grant Aid. If the request is confirmed that it has a high priority as the Project for Grant Aid, the Government of Japan instructs JICA to conduct the Study.

At the second step (the Study), the Basic Design Study is conducted by JICA basically under contracts with a Japanese consulting firm to carry out.

At the third step (Appraisal & Approval), the Government of Japan appraises whether or not the Project is suitable for Japan's Grant Aid Programme based on the Basic Design Study Report prepared by JICA, and then it is submitted for an approval by the Cabinet.

At the fourth step (Determination of Implementation), the Project approved by the Cabinet is officially determined to implement by signing the Exchange of Notes between both Governments.

In the course of implementation of the Project, JICA will take charge of expediting the execution by assisting the recipient country in terms of the procedures of tender, contract and others.

#### 2. Basic Design Study

1) Contents of the study

The purpose of the study (the Basic Design Study) conducted by JICA is to provide basic documents necessary for the appraisal by the Government of Japan whether or not the project is viable for Japan's Grant Aid Programme. The contents of the Study are as follows :

- a) to confirm the background of the request, objectives and effect of the Project and maintenance ability of the recipient country necessary for the implementation,
- b) to evaluate the appropriateness of the Grant Aid from the technological, social and economical points of views,



- c) to confirm the basic concept of the plan mutually agreed upon through discussion between both sides,
- d) to prepare a basic design of the Project,
- e) to estimate rough cost of the Project.

The contents of the original request are not necessarily approved as the contents of the Grant Aid as it is. The Basic Design of the Project is confirmed considering the Japan's Grant Aid Scheme. In the implementation of the Project, the Government of Japan requests the recipient country to take necessary measures in order to promote its self-reliance. Those undertakings shall be guaranteed even if the recipient implementing entity does not have jurisdiction. Therefore, the implementation of the Project is confirmed by all relevant organizations in the recipient country in the Minutes of Discussions.

## 2) Selection of Consultants

For a smooth implementation of the Study, JICA selects a consultant that are registered to JICA by evaluating proposals submitted by those consultants. The selected consultant carries out the Basic Design Study and prepares a report based upon the terms of reference made by JICA.

At the stage of implementation after the Exchange of Notes, for concluding the contract regarding the Detailed Design and Construction Supervision of the Project between a consultant and the recipient country, JICA recommends the same consultant which participated in the Basic Design Study to the recipient country in order to maintain the technical consistency between the Basic Design Study and the Detailed Design as well as to avoid undue delay caused by the selection of a new consultant.

## 3. Japan's Grant Aid Scheme

- 1) The Grant Aid Program provides a recipient country with non-reimbursable funds needed to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

### 2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

### 3) Period

"The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as Exchange of Notes, concluding contracts by (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

However in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Purchase of the Products and or Services

Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However the prime contractors, namely, consulting constructing and procurement firms, are limited to "Japanese nationals." (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

5) Verification

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

6) Undertakings required of the Government of the Recipient Country

(As described in ANNEX 3)

7) Proper Use

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

8) Re-export

The products purchased under the Grant Aid should not be re-exported from the recipient country.

9) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority shall open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

✓



### ANNEX 3.

#### NECESSARY MEASURES TO BE TAKEN BY VIETNAMESE SIDE

Following necessary measures should be taken by the Government of Viet Nam on condition that the Grant Aid by the Government of Japan is extended to the Project:

1. To secure, clear, level and reclaim the sites for the Project prior to the Project implementation and to demolish and transfer existing buildings, if necessary.
2. To construct necessary access roads for construction work.
3. To undertake incidental outdoor works, such as gardening, fencing, exterior lighting, as well as constructing bicycle parking facility and other incidental facility in and around the Project site, if necessary.
4. To bear commissions to the Japanese foreign exchange bank for the banking services based upon the Banking Arrangement, namely the advising commission of the "Authorization to Pay" and payment commission.
5. To ensure prompt unloading, tax exemption and customs clearance of the materials and equipment for the Project purchased under the Grant Aid at the port of disembarkation in Viet Nam.
6. To exempt Japanese juridical and physical nationals engaged in the Project from customs duties, internal taxes and other fiscal levies which may be imposed in Viet Nam with respect to the supply of the products and the services under the verified contracts.
7. To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into Viet Nam and stay therein for the performance of their work.
8. To provide necessary permissions, licenses and other authorizations for implementing the Project.
9. To assign appropriate budget and teaching and administrative staff members for proper and effective operation and maintenance of equipment provided under the Grant Aid.
10. To bear all the expenses, other than those to be borne by the Japan's Grant Aid within the scope of the Project.





**APPENDIX 5**

**REQUEST LETTER BY MOET REGARDING CHANGE IN 5 RECIPIENT SCHOOLS**

BỘ GIÁO DỤC VÀ ĐÀO TẠO  
Số: 3552/KHHC

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM  
Độc lập Tự do Hạnh phúc

V/v điều chỉnh một  
số trường, sau khảo sát

Hà nội, ngày 13 tháng 5 năm 1997

Kính gửi : Ông Yoshinori YAKABE  
Trưởng Đoàn Khảo sát Thiết kế cơ bản  
DỰ ÁN CẢI TẠO CƠ SỞ VẬT CHẤT CÁC TRƯỜNG TIỂU HỌC  
GIAI ĐOẠN IV

Trong đợt khảo sát của Công ty Tư vấn Matsuda tại các tỉnh chuẩn bị cho Dự án Cải tạo Cơ sở vật chất các trường tiểu học- giai đoạn IV, có 4 tỉnh đề nghị điều chỉnh danh sách một số trường cho phù hợp với tình hình thực tế của địa phương trong việc tiếp nhận viện trợ không hoàn lại của Chính phủ Nhật Bản vào thời gian tới. Cụ thể như sau:

1- TỈNH QUẢNG NAM : Trường tiểu học Tiên Châu huyện Tiên Phước thay cho trường tiểu học Trần Ngọc Sương huyện Tiên Phước.

2- TỈNH BÌNH THUAN : Trường tiểu học Trà Tân số 1 huyện Đức Linh thay cho trường tiểu học Tân Hà số 2 huyện Đức Linh.

3- TỈNH QUẢNG NINH : Trường tiểu học thị trấn Bình Liêu thay cho trường tiểu học Vô Ngại huyện Bình Liêu.

4- TỈNH PHÚ YÊN:

a- Trường tiểu học Hoà Thành số 1 huyện Tuy Hoà thay cho trường tiểu học Hoà Hiệp bắc huyện Tuy Hoà.

b- Trường tiểu học Hoà Quang số 2 Thị Xã Tuy Hoà thay cho trường tiểu học Phường 2 Thị Xã Tuy Hoà.

Bộ Giáo dục và Đào tạo thấy đề nghị của các tỉnh là hợp lí và đề nghị Ông Trưởng đoàn Khảo sát chấp thuận việc thay đổi trên.

Xin chân thành cảm ơn.

Nơi nhận:

- Như trên
- Công ty Tư vấn Matsuda
- Lưu : VP- KHHC

TL. BỘ TRƯỞNG BỘ GIÁO DỤC VÀ ĐÀO TẠO  
KT. VỤ TRƯỞNG VỤ KẾ HOẠCH VÀ TÀI CHÍNH  
Phó Vụ trưởng

Ministry of  
Education and Training

Socialist Republic of Vietnam  
Independence - Freedom - Happiness

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No. 3562/KHTC

Hanoi, 13 May 1997.

**Ref.: *The change of some schools after survey***

To: Mr. Yoshinori YAKABE  
Head of Basic Design Survey Group  
Project for Improvement of the Facilities of Primary Schools, phase IV

Dear Sir,

Regarding the survey of Matsuda Consultants International Co., Ltd. at the provinces in order to prepare for Project for Improvement of the Facilities of Primary Schools- phase IV, there are 4 provinces that requested to adjust the list of schools in order to correspond to the factual situation of each province in the receiving the grant aid of Japanese Government in the coming time. The details are as follows :

1. QUANG NAM province : Tran Ngoc Suong Primary School belongs Tien Phuoc Dist. will be changed to Tien Chau Primary School belongs Tien Phuoc Dist.
2. BINH THUAN province : Tan Ha No.2 Primary School belongs Duc Linh Dist. will be changed to Tra Tan No.1 Primary School belongs Duc Linh Dist.
3. QUANG NINH province : Vo Ngai Primary School belongs Binh Lieu Dist. will be changed to Binh Lieu Town Primary School.
4. PHU YEN province :
  - a- Hoa Hiep Bac Primary School belongs Tuy Hoa Dist. will be changed to Hoa Thanh No.1 Primary School belongs Tuy Hoa Dist.
  - b- Phuong 2 Primary School belongs Tuy Hoa Town will be changed to Hoa Quang No.2 Primary School belongs Tuy Hoa Town.

Ministry of Education and Training sees that the proposals of the provinces is reasonable and kindly requests the Head of Survey Group to accept the above change.

Thank you very much.

On behalf of Minister of Education and Training  
Vice Director of Finance and Planning Dep.  
(signed)  
Dao Duc Chung







NO School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status ('96/'97)													Facility Conditions ('96/'97)				[C] Child Population							
				No. of Pupils					No. of Classes					No. of Teachers			No. of Classrooms		Available Rooms	Class /Room Ratio	Age 1-5	Age 6-10	Ex-pected Growth Rate					
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4	G5	Total	1	2	3						1	2	3	Owned	Shared
QN Vo Thi Sau 8	Tam Ky	Dau Trung	1.00	80	72	66	58	115	401	3	2	2	2	3	12	0	0	0	0	0	6	0	6	1.08	2.00	1,394	1,223	1.14
		Thanh Thoa	1.00	60	36	28	59	0	183	2	1	1	2	0	6	0	0	0	0	0	3	0	3	1.00	2.00	30,50	0	0
		Sub total	1.50	108	54	117	115	0	584	5	3	3	4	3	18	0	0	0	0	0	9	0	9	1.06	2.00	32,44	0	0
QN Tam Quang 9	Nui Thanh	Tem Quang	0.00	154	202	192	173	172	893	4	6	5	5	26	0	0	0	0	0	13	4	200	1.00	2.00	34,35	1,317	1,214	1.08
		Thon 1	0.50	80	0	0	0	0	80	2	0	0	0	2	0	0	0	0	0	1	0	200	1.00	2.00	40,00	0	0	
		Sub total	0.24	202	192	173	172	973	6	6	5	5	28	0	0	0	0	0	14	4	200	1.00	2.00	34,75	1,317	1,214	1.08	
QN Le Do 10	Hoi An	Thon 2a	0.00	56	45	55	94	134	384	2	2	3	4	13	0	0	0	0	0	7	0	7	1.23	1.86	29,34	1,260	1,198	1.05
		Thon 1	3.00	30	20	15	30	0	95	1	1	1	0	4	0	0	0	0	0	2	0	2	1.00	2.00	23,75	0	0	
		Thon 3-4	3.00	36	42	46	0	0	124	1	1	2	0	4	0	0	0	0	0	3	0	3	1.50	1.33	31,00	0	0	
QN Dong Phu 11	Que Son	Thon 2b	4.00	22	0	0	0	0	22	0	1	0	0	1	0	0	0	0	0	1	0	1	1.00	1.00	22,00	0	0	
		Sub total	1.44	107	116	124	134	625	4	5	4	4	22	0	0	0	0	0	13	6	169	1.23	1.69	28,41	1,23	1,198	1.04	
		Dau Tri	1.00	40	31	73	110	147	401	1	1	3	5	12	0	0	0	0	0	6	0	6	1.42	2.00	33,42	850	819	1.04
QN Le Van Tam 12	Hiep Duc	Thon 2	1.00	30	72	41	0	0	203	2	1	0	0	6	0	0	0	0	0	3	0	3	0.67	2.00	33,83	0	0	
		Thon 3	3.00	27	18	30	32	0	107	1	1	1	0	4	0	0	0	0	0	2	0	2	1.00	2.00	26,75	0	0	
		Thon 4	4.00	28	22	29	0	0	79	1	1	1	0	3	0	0	0	0	0	2	0	2	1.00	2.00	26,33	0	0	
DN Hoa Son 1	Hoa Veng	Thon 5	4.00	25	20	26	39	0	110	1	1	1	0	4	0	0	0	0	0	2	0	2	1.00	2.00	27,50	0	0	
		Sub total	2.10	163	199	181	147	600	7	6	5	5	29	0	0	0	0	0	12	3	15	1.10	1.93	31,03	349	368	0.95	
		Le Van Tam	0.10	84	83	88	84	78	417	3	3	3	3	15	0	0	0	0	0	8	0	8	1.00	1.88	27,80	349	368	0.95
DN Hoa Lien 2	Hoa Vang	Sub total	84	83	88	84	78	417	3	3	3	3	15	0	0	0	0	0	15	3	188	1.00	1.88	27,80	349	368	0.95	
		Xuan Phu	0.30	119	71	99	94	98	487	3	2	3	3	14	0	0	0	0	0	6	0	6	1.00	2.33	34,79	1,218	1,086	1.12
		An Ngai Tay	4.00	104	78	67	67	79	395	3	2	2	2	11	0	0	0	0	0	5	1	6	1.00	1.83	35,91	0	0	
DN Hoa Lien 2	Hua Vang	An Ngai Dong	5.00	29	29	41	22	0	121	1	1	1	0	4	0	0	0	0	0	1	2	1	1.00	2.00	30,25	0	0	
		Dai La	4	28	21	0	0	0	49	1	1	0	0	2	0	0	0	0	0	1	2	1	1.00	2.00	24,50	0	0	
		Hoa Khe	3.00	18	21	0	0	0	39	1	1	0	0	2	0	0	0	0	0	2	4	2	1.00	0.50	19,50	0	0	
DN Hoa Lien 2	Hua Vang	Sub total	298	226	207	183	177	1,091	9	7	6	6	33	0	0	0	0	0	15	5	20	1.00	1.65	33,06	1,397	1,240	1.13	
		Quan Nam	1.00	105	88	90	104	98	495	3	3	3	3	15	0	0	0	0	0	9	0	9	1.07	1.67	32,33	1,397	1,240	1.13
		Trung Dinh	2.00	40	32	27	28	19	146	1	1	1	1	5	0	0	0	0	0	3	0	3	1.00	1.67	29,20	0	0	
DN Hoa Lien 2	Hua Vang	Trung Son	1.50	29	0	0	20	0	49	1	0	0	1	0	2	0	0	0	0	0	1	0	1	1.00	2.00	24,50	0	0
		Van Duong	1.50	44	52	56	63	116	331	1	2	2	2	3	10	0	0	0	0	5	0	5	1.00	2.00	33,10	0	0	
		Huong Phuoc	0.30	36	35	0	0	0	71	1	1	0	0	2	0	0	0	0	0	2	0	2	1.00	2.00	35,50	0	0	
DN Hoa Lien 2	Hua Vang	Tan Ninh	1.00	41	25	35	35	0	136	1	1	1	1	0	4	0	0	0	0	2	0	2	1.00	2.00	34,00	0	0	
		Sub total	295	232	208	250	233	1,218	8	8	7	8	38	0	0	0	0	0	22	0	22	1.03	1.73	32,05	1,435	1,335	1.09	
		Total	12,516	395	396	31,69	1,00	190	32	222	99	1,78	14,359	13,135	1.09													



NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status ('96/'97)													Facility Conditions ('96/'97)			[C] Child Population				
				No. of Pupils					No. of Classes					No. of Teachers			No. of Classrooms	Available Rooms	Class /Room Ratio [B]/[D]	Age 1-5	Age 6-10	Expected Growth Rate		
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4	G5	Total	Class							Shifts	Teachers
QG Tra Phu 9	Tra Bong	Tra Phu Sub total	0.00	149	183	161	125	165	783	5	5	5	3	23	0	0	13	13	0	0	1.77	701	725	0.97
QG Duc Loi 10	Mo Duc	Duc Loi THCS Duc Loi Vinh Phu An Mo Sub total	0.40	106	73	78	41	65	363	3	2	2	1	10	0	0	5	5	0	4	2.00	890	981	0.91
QG Pho Quong No.1 11	Duc Pho	Pho Quong Thanh Son Thuy Thach Sub total	0.40	118	102	148	124	181	673	3	3	4	3	17	0	0	9	9	0	0	1.89	1,752	1,764	0.99
QG Son Tinh 12	Son Tinh	Truong Tho Lien Hiep Guyet Thang Sub total	0.50	169	131	143	131	124	698	4	4	4	3	19	0	0	11	11	0	0	1.73	1,150	1,195	0.96
* One G3 class from Lien Hiep will be transferred			2.00	26	20	19	17	0	82	1	1	1	0	4	0	0	3	3	0	3	1.33			
			2.96	253	287	281	202	202	1,299	8	8	9	8	5	38		22	22	0	22	1.93			
									12,971					344			170	26	196	71	1.76	15,262	16,178	0.94



NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status (96/97)													Facility Conditions (96/97)					Child Population						
				No. of Pupils					No. of Classes			No. of Teachers			Teacher /Class Ratio [C]/[B]	Pupil /Class Ratio [A]/[B]	Class /Room Ratio [B]/[D]	Avail-able Rooms	No. of Classrooms Owned/Shared	Total	Age 1-5	Age 6-10	Ex-pected Growth Rate					
				G1	G2	G3	G4	G5	G1	G2	G3	G4	G5	Total										1	2	3	1	2
BD Dap Da 1	An Nhon	Bang Chau	0.00	175	104	85	114	190	668	5	3	2	3	5	18	0	0	0	0	0	9	0	0	0	0	2,298	2,269	1.01
		Nguyen Trung T	0.00	0	69	41	39	0	149	0	2	1	1	0	4	0	0	0	0	0	2	2	2	2	2	0	0	2.00
		Bang Chau Trung	0.30	41	28	30	25	0	124	1	1	1	1	0	4	0	0	0	0	0	2	0	2	2	2	2,000	2,000	1.00
		Mi Hoa	1.50	43	33	34	25	0	135	1	1	1	1	0	4	0	0	0	0	0	2	0	2	2	2	2,000	2,000	1.00
		Sub total		259	234	190	203	190	1,076	7	7	5	6	5	30	0	0	0	0	0	13	2	15	4	4	2,000	2,000	1.00
BD My An 2	Phu My	Chanh Gio	1.20	36	61	0	0	116	213	1	1	0	3	5	0	0	0	0	0	0	3	0	3	3	3	994	1,083	0.92
		Thuan Dao	2.90	78	45	48	39	36	246	2	1	1	1	6	6	0	0	0	0	0	3	0	3	3	3	2,000	2,000	1.00
		Hoa Ninh	2.40	34	33	35	43	0	145	1	1	1	1	0	4	0	0	0	0	0	2	1	3	2	2	1,330	1,330	1.00
		Xuan Thanh	2.10	184	180	155	81	0	600	5	4	2	0	16	0	0	0	0	0	0	5	2	7	5	2	2,290	2,290	1.00
		Sub total	1.80	34	33	36	41	0	144	1	1	1	1	4	0	0	0	0	0	0	13	1	4	2	2	1,000	1,000	1.00
BD An Hoa No.2 3	An Lao	Khu B	0.00	75	75	48	108	80	386	2	2	1	3	2	10	0	0	0	0	0	5	0	5	2	2	2,000	1,462	0.80
		Khu A	0.60	90	78	104	68	97	432	3	2	3	2	3	13	0	0	0	0	0	8	0	8	0	0	1,630	1,630	1.00
		Khu C	0.80	76	81	79	40	40	316	2	2	2	1	1	8	0	0	0	0	0	4	0	4	0	0	2,000	2,000	1.00
		Sub total		241	229	231	216	217	1,348	7	6	6	6	6	31	0	0	0	0	0	17	0	17	2	2	1,820	1,820	1.00
		Sub total		171	115	78	52	50	466	6	4	3	2	2	17	0	0	0	0	0	8	0	8	0	0	2,130	471	0.67
BD Canh Hiep 4	Van Canh	Hiep Hung	3.00	31	26	0	0	0	57	1	1	0	0	2	0	0	0	0	0	0	2	0	2	2	2	2,000	2,000	1.00
		Suoi Da	3.00	32	22	0	0	0	54	1	1	0	0	2	0	0	0	0	0	0	1	0	1	1	1	2,000	2,000	1.00
		Canh Gio	24.00	30	20	0	0	0	50	1	1	0	0	2	0	0	0	0	0	0	2	0	2	2	2	2,000	2,000	1.00
		Sub total		264	183	78	52	50	627	9	7	3	2	2	23	0	0	0	0	0	13	0	13	5	5	1,770	1,770	1.00
		Sub total		0	0	0	130	204	334	0	0	4	6	10	0	0	0	0	0	0	5	0	5	5	5	2,000	1,302	0.99
BD Vinh Thinh No.1 5	Vinh Thinh	Vinh Giang	0.30	70	38	0	0	0	108	2	1	0	0	3	0	0	0	0	0	0	3	0	3	2	0	1,500	1,500	1.00
		Hop Tac Xa	0.50	68	77	69	67	0	281	2	2	2	2	0	8	0	0	0	0	0	4	4	4	4	4	2,000	2,000	1.00
		Vinh Thai	1.50	137	114	132	0	0	383	4	3	4	0	11	0	0	0	0	0	0	8	0	6	6	0	1,830	1,830	1.00
		Sub total		275	229	201	197	204	1,106	8	6	6	6	32	0	0	0	0	0	0	23	0	23	17	17	1,770	1,770	1.00
		Sub total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	33	40	5	2,000	1,283	0.99
BD Le Hong Phong 6	Qui Nhon Town	Le Hong Phong	0.80	495	247	273	0	374	1,379	12	5	6	0	9	32	0	0	0	0	0	20	0	20	20	20	1,787	2,255	0.79
		PPCS Le Hong Ph	0.40	0	235	88	0	0	323	0	5	2	0	0	7	0	0	0	0	0	4	4	4	4	4	1,750	1,750	1.00
		PTTH Quoc Hoc	0.80	0	0	212	492	0	704	0	0	5	12	0	17	0	0	0	0	0	17	17	17	17	17	2,000	2,000	1.00
		Sub total		485	482	573	492	374	2,406	12	10	13	12	9	56	0	0	0	0	0	20	21	41	20	21	1,370	1,370	1.00
		Sub total		145	132	80	173	64	594	4	3	3	5	2	17	0	0	0	0	0	5	0	5	6	6	3,400	1,340	1.02
BD Phuoc Thanh 7	Tuy Phuoc	Phuoc Thanh	1.00	66	65	64	0	0	195	2	2	2	0	6	0	0	0	0	0	0	3	0	3	3	3	2,000	2,000	1.00
		Binh An	1.50	109	120	141	84	93	547	3	4	3	2	14	0	0	0	0	0	0	7	0	7	7	7	2,000	2,000	1.00
		Sub total		320	317	285	257	157	1,336	9	9	8	7	4	37	0	0	0	0	0	12	3	15	13	13	2,470	2,470	1.00
		Phu Tho	0.00	148	105	89	90	103	535	4	3	3	3	16	0	0	0	0	0	0	8	0	8	8	8	2,000	1,053	0.79
		Sub total		40	35	33	38	60	206	1	1	1	1	2	6	0	0	0	0	0	3	0	3	3	3	2,000	2,000	1.00
BD Tay Phu 8	Tay Son	Cay Me	0.50	37	37	60	38	0	172	1	1	2	1	0	5	0	0	0	0	0	3	0	3	3	3	1,670	1,670	1.00
		Phu My	1.00	93	98	68	94	73	426	2	3	2	3	2	12	0	0	0	0	0	6	0	6	6	6	2,000	2,000	1.00
		Dong Do	2.00	30	0	0	0	0	30	1	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1,000	1,000	1.00
		Sub total		348	275	250	260	236	1,369	9	8	8	8	7	40	0	0	0	0	0	21	0	21	21	21	1,900	1,900	1.00
		Sub total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38	34	23	0	0	0.95	

NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status (96/97)													Facility Conditions (96/97)				[C] Child Population			
				No. of Pupils					No. of Classes			No. of Teachers			Pupil /Class Ratio [A]/[B]	Teacher /Class Ratio [C]/[B]	No. of Owned Classrooms	Available Rooms	Class /Room Ratio [B]/[D]	Age 1-5	Age 6-10	Expected Growth Rate		
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4	G5									Total	1
BD Tam Quan Nam 9	Hoi Nhon	Loi Tay Cu	1.50	74	0	63	41	75	253	2	0	2	1	2	7	0	4	4	0	1.75	1,532	1,692	0.91	
		Loi Tay Moi	1.50	77	96	36	36	281	2	3	1	1	1	8	0	4	0	4	4	2.00				
		Duong 4	2.00	0	59	71	77	0	207	0	2	2	2	0	6	0	3	0	3	2.00				
		Loi Bac	2.50	36	0	32	0	68	1	0	1	0	0	2	0	1	0	1	0	2.00				
		Trung Trinh 1	0.50	0	37	70	35	66	208	0	1	0	1	2	6	0	3	0	3	2.00				
		Trung Trinh 2	0.50	41	0	0	32	0	73	1	0	1	0	2	0	1	0	1	1	2.00				
		Chom Chua	1.00	38	35	38	37	69	217	1	1	1	1	2	6	0	3	0	3	2.00				
		Tang Long Cu	0.40	79	37	29	31	0	176	2	1	1	1	0	5	0	3	0	3	1.67				
		Tang Long Moi	0.40	0	73	30	33	64	200	0	2	1	1	2	6	0	3	0	3	2.00				
Sub total		345	337	369	322	310	1,683	9	10	11	9	48	48	25	10	19	6	25	1.92					
BD An Thanh 10	Hoi An	The Thanh	0.00	112	93	92	95	155	547	3	3	2	2	4	14	0	6	0	3	2.33	945	1,010	0.94	
		An Thuong	2.50	66	78	47	74	37	302	2	2	1	2	1	8	0	5	0	5	1.60				
		Hoi An	3.00	56	55	34	44	0	189	2	2	1	1	0	6	0	4	0	4	1.50				
		Phu Van	3.00	39	37	31	84	0	141	1	1	1	1	0	4	0	3	0	3	1.33				
		Sub total		273	263	204	247	192	1,179	8	8	5	6	5	32	0	18	0	18	1.78				
BD Cat Khanh 11	Phu Cat	Thang Kien	0.00	156	138	102	102	199	696	5	4	3	3	6	21	0	13	6	13	1.62	1,268	1,203	1.05	
		An Phu	0.30	118	112	101	70	0	401	4	3	2	0	12	0	4	5	1	4	2.40				
		Chanh Loi	0.50	135	48	106	105	0	394	5	3	3	0	14	0	5	0	5	5	2.80				
		Sub total		409	298	309	277	198	1,491	14	10	8	6	47	0	23	10	23	12	2.04				
		Truong Chinh	0.30	65	33	0	63	247	408	2	1	0	2	7	12	0	11	0	11	1.09	1,875	1,980	0.95	
BD Hoi Huong 12	Hoi Nhon	Ga Cong	0.50	57	78	91	108	0	334	2	2	3	3	0	10	0	7	0	7	1.43				
		Trung Ly	0.20	36	67	146	61	0	310	1	2	4	2	0	9	0	3	2	0	1.50				
		Dong Ly	0.25	36	34	0	0	0	70	1	1	0	0	0	2	0	2	0	2	1.00				
		Sub total		194	212	237	232	247	1,122	6	6	7	7	33	0	26	5	26	7	1.27				
		Nhon Binh No.1	0.00	152	129	135	130	141	687	4	3	3	3	4	17	0	7	0	7	2.43	1,680	1,706	0.98	
BD Nhon Binh No.1 13	Qui Nhon	Cap 2	0.40	0	90	90	80	0	260	0	2	2	0	6	0	3	0	3	0	2.00				
		Luong Nong Tay	0.80	76	75	46	41	39	276	2	2	1	1	1	7	0	5	0	5	1.40				
		Luong Nong Dong	1.00	74	68	45	0	34	221	2	2	0	1	1	6	0	3	0	3	2.00				
		Diem Nghiep	1.50	74	40	45	0	30	189	2	1	0	1	5	0	3	0	3	0	1.67				
		Sub total		412	402	361	251	243	1,669	11	10	7	7	42	0	22	4	22	7	1.91				
BD Vo Xan 14	Tay Son	Vo Xan	0.00	266	220	269	235	220	1,210	8	6	7	7	6	34	0	16	5	16	4	2.13	1,708	1,914	0.89
		Tran Quang Dieu	2.00	55	84	0	0	0	179	3	2	0	0	0	5	0	5	0	5	1.00				
		Sub total		361	304	269	235	220	1,389	11	8	7	7	6	39	0	21	10	21	4	1.86			
		Total							12,295						337		48	200	83	1.69	19,437	21,253	0.91	

NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status ('96/'97)											Facility Conditions ('96/'97)					[Cf.] Child Population			
				No. of Pupils					No. of Classes					No. of Teachers	Pupil /Class Ratio	Teacher /Class Ratio	No. of Classrooms Owned	No. of Classrooms Shared	Total Available Rooms	Class /Room Ratio	Age 1-5	Age 6-10	Expected Growth Rate
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4										

PROVINCE : PHU YEN

PY Hoa Thinh 2 1	Tuy Hoa	My Xuan	0.00	100	59	178	0	132	469	3	2	5	0	4	14	0	18	33.50	1.29	7	0	7	0	2.00	830	887	0.94	
		My Phu	0.80	33	72	0	179	68	352	1	2	0	5	2	10	0	4	35.20	1.00	5	0	5	0	2.00				
		My Truong	0.50	29	38	56	0	0	123	1	2	0	0	4	4	0	4	30.75	1.00	2	0	2	0	2.00				
		My Dien	1.00	35	30	0	0	0	65	1	1	0	0	0	2	0	2	32.50	1.00	1	0	1	0	2.00				
		My Lam	0.70	29	0	0	0	0	29	1	0	0	0	0	1	0	1	29.00	1.00	1	0	1	0	1.00				
Sub total		247	212	284	179	200	1072	8	7	5	6	33	37	32.48	1.12	17	32.43	1.24	15	0	15	0	1.13	2,201	2,213	0.99		
PY Hoa Thinh 1 2	Tuy Hoa	Vang Nam Trong	0.00	121	105	95	120	112	553	3	3	4	4	17	0	21	32.53	1.24	2	0	2	0	2	1.30				
		Vung Non	1.50	35	28	32	0	0	95	1	1	0	0	3	0	3	31.67	1.00	2	0	2	0	2	1.30				
		Sub total		156	133	127	120	112	648	4	4	4	4	20	24	32.46	1.20	17	32.46	1.20	17	0	17	2	1.18			
		Mau Lam	0.15	0	0	69	129	116	314	0	0	2	4	3	4	0	4	78.50	1.00	0	9	9	0	0.44	2,568	2,502	1.03	
		Hanh Lam	1.50	54	56	49	49	58	266	2	2	2	2	2	10	0	15	26.60	1.50	4	1	5	4	2.00				
PY Hoa Quang No.2 3	Tuy Hoa Town	Mau Lam Bac	0.00	73	72	0	0	0	145	2	2	0	0	9	0	9	16.11	1.00	2	0	2	0	2	4.50				
		Thanh Lam	1.00	41	39	33	0	0	113	2	1	1	0	4	0	4	28.25	1.00	0	0	0	0	2.00					
		Sub total		168	167	151	178	174	838	6	5	6	5	27	32	31.04	1.15	8	31.04	1.15	8	10	18	6	1.50			
		Phung Tuong	0.50	127	123	107	104	106	567	4	4	3	3	17	0	29	33.35	1.71	0	0	0	0	3	1.89	2,390	2,277	1.05	
		Long Phung	1.00	71	62	39	71	79	322	2	2	1	2	2	9	0	9	35.78	1.00	6	0	6	0	2.00				
PY Hoa An 5	Tuy An	Long Tuong	1.50	37	33	36	33	0	139	1	1	1	1	4	0	4	34.75	1.00	3	0	3	0	3	1.33				
		Phung Nguyen	2.00	34	37	31	31	27	160	1	1	1	1	5	0	5	32.00	1.00	3	0	3	0	3	1.67				
		Sub total		269	255	213	239	212	1,188	8	8	6	7	35	47	33.94	1.34	21	33.94	1.34	21	0	21	9	1.67			
		Doi	0.80	76	81	0	74	231	0	0	2	2	2	6	0	6	38.50	1.00	3	0	3	0	3	2.00	1,130	1,105	1.02	
		Dinh Cu	1.00	135	37	0	0	0	172	1	0	0	0	10	0	10	17.20	1.00	5	0	5	0	5	0	2.00			
PY Xuan Loc 6	Song Cau	Mei	0.00	71	37	126	40	274	1	2	1	1	2	6	0	6	45.67	1.00	3	0	3	0	3	2.00				
		Hoa Hong	0.50	28	31	41	42	65	207	2	1	1	1	6	0	6	34.50	1.00	3	0	3	0	3	2.00				
		Hoa Nuoc	1.50	12	17	0	0	0	29	3	0	0	0	2	0	2	14.50	0.50	1	0	1	0	1	2.00				
		Dia	1.30	56	33	69	42	0	200	2	2	0	1	6	0	6	33.33	0.83	3	0	3	0	3	2.00				
		Xam Gam	1.50	33	65	33	45	42	218	1	1	2	2	0	6	0	6	36.33	0.83	2	1	3	2	2.00				
Sub total		264	330	261	255	221	1,331	10	9	6	7	6	42	39	31.69	0.93	20	31.69	0.93	20	1	21	9	2.00	2,560	2,440	1.05	
PY Le Hai 7	Dong Xuan	Chanh Loc	0.00	143	121	122	140	128	654	4	4	4	4	20	0	21	32.70	1.05	10	0	10	0	10	2.00	1,496	1,185	1.26	
		Tho Loc	1.50	47	47	42	36	0	172	2	1	1	0	6	0	6	28.67	1.00	3	0	3	0	3	2.00				
		Kinh Te Mei	2.00	23	23	29	65	39	179	2	1	1	0	0	6	0	6	29.83	1.00	3	0	3	0	3	2.00			
		Diem Truong	3.00	56	37	35	0	0	128	1	1	1	2	1	4	0	4	32.00	1.00	2	0	2	0	2	2.00			
		Sub total		269	228	228	241	167	1,133	9	7	7	6	5	36	37	31.47	1.03	18	31.47	1.03	18	0	18	3	2.00		
Chua	0.80	79	97	99	89	95	459	3	4	3	2	2	14	0	17	32.79	1.21	7	0	7	0	7	0	2.00	1,496	1,185	1.26	
Ga	1.20	51	61	67	68	75	322	2	2	2	2	10	0	10	32.20	1.10	5	0	5	0	5	0	2.00					
Long Binh	0.80	35	0	0	0	0	35	2	0	0	0	0	2	0	2	17.50	1.50	2	0	2	0	2	2.00					
Long Thang	1.50	41	53	45	62	44	245	3	3	2	2	10	0	12	24.50	1.20	5	0	5	0	5	5	2.00					
Long Ha	1.20	8	12	10	0	0	30	1	1	1	0	0	3	0	3	10.00	1.33	2	0	2	0	2	1.50					
Sub total		245	246	245	241	214	1,191	12	11	9	7	6	43	52	27.70	1.21	22	27.70	1.21	22	0	22	10	1.95				

NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status ('96/'97)													Facility Conditions ('96/'97)				Child Population						
				No. of Pupils					No. of Classes					No. of Teachers			Pupil /Class Ratio		Teacher /Class Ratio		No. of Classrooms		Available Rooms /Room Ratio		Age		
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4	G5	Total	1	2	3	Total	C	[A]/[B]	[C]/[B]	Owned	Shared	Total	[B]/[D]	[B]/[D]
PY Cung Son 2 8	Song Hoa	Dong Hoa	1.50	70	69	71	71	60	341	2	2	2	2	2	10	19	19	34.10	1.90	7	0	7	4	1.43	880	1,292	0.68
		Truong Chua	3.00	0	0	27	0	0	27	0	0	1	0	0	1	0	1	27.00	1.00	2	0	2	2	0.50			
		Hon Ngang	0.30	74	23	47	0	26	170	2	1	2	0	1	8	9	9	21.25	1.13	4	0	4	0	2.00			
		Kiem Lam	0.30	0	31	31	86	57	205	0	1	2	2	8	0	0	25.63	1.13	4	0	4	4	2.00				
		Tay Hoa	1.50	92	83	70	88	75	408	3	2	2	3	2	14	14	14	29.14	1.00	7	0	7	7	2.00			
PY Hai Rieng 9	Song Hinh	Tinh Son	5.00	60	60	45	60	38	263	2	2	2	3	1	4	4	4	65.75	1.00	5	0	5	5	0.80			
		Sub total	296	266	291	305	256	1,414	9	8	10	10	8	45	56	56	31.42	1.24	29	0	29	22	1.55				
		Hai Rieng	1.00	237	177	176	217	192	999	7	5	6	7	7	35	35	28.54	1.00	15	0	15	5	2.33	1,219	1,194	1.02	
		Thon1	3.50	40	42	34	29	0	145	2	1	1	1	0	7	7	20.71	1.00	3	0	3	4	2.33				
		Thon3	5.00	49	36	44	0	0	129	1	0	0	0	0	5	5	25.80	1.00	3	0	3	2	1.67				
Total		Buon Tho	2.00	18	14	0	0	0	32	2	2	1	0	0	2	2	16.00	1.00	1	0	1	1	2.00				
		Buon Dien	5.00	22	42	0	0	0	64	2	2	0	0	0	4	4	16.00	1.00	2	0	2	2	2.00				
		Buon Bach	7.00	14	10	9	4	0	37	1	1	0	0	0	2	2	18.50	1.00	1	0	1	1	2.00				
		Sub total	380	321	263	250	192	1,406	15	11	8	8	7	55	55	25.56	1.00	25	0	25	15	2.20	15,274	15,095	1.01		
		Total						10,221						336	379	30.42	1.13	177	11	188	88	1.79	15,274	15,095	1.01		

NO. School	Province	Name of Main/Branch School	Distance to Site (km)	Current School Administration Status ('96/'97)										Facility Conditions ('96/'97)				[Cf.] Child Population							
				No. of Pupils					No. of Classes					No. of Teachers		No. of Classrooms		Available Rooms	Class /Room Ratio	Age 1-5	Age 6-10	Expected Growth Rate			
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4	G5	Total	1	2						3	Class	Shifts
PROVINCE : KHANH HOA																									
KH Phuoc Tien 1	Nha Trang	Phuoc Tien	0.00	400	395	433	380	323	1,931	9	9	10	9	9	46	0	23	0	23	23	11	2,00	775	944	0.82
		Sub total	400	395	433	380	323	1,931	9	9	10	9	9	46	0	23	0	23	23	11	2,00	775	944	0.82	
KH Tan Lap 1		Tan Lap	0.00	236	272	240	211	169	1,128	6	6	5	5	4	26	0	14	0	14	14	0	1.88	216	216	0.23
		Sub total	236	272	240	211	169	1,128	6	6	5	5	4	26	0	14	0	14	14	0	1.88	216	216	0.23	
KH Van Luong 1	Van Ninh	Hieu Long	0.00	177	171	246	214	165	973	5	5	6	4	26	0	13	0	13	13	5	2.00	1,005	1,178	0.85	
		Sub total	177	171	246	214	165	973	5	5	6	4	26	0	13	0	13	13	5	2.00	1,005	1,178	0.85		
KH Van Phu 4	Van Ninh	Luong Ha	0.60	88	93	0	0	0	186	3	3	0	0	6	0	3	0	3	3	3	2.66	0	0	0	
		Sub total	265	269	246	214	165	1,159	8	8	6	4	32	0	16	0	16	16	8	2.00	0	0	0		
KH Ninh An 5	Ninh Hoa	Phu Cong 2	0.00	36	41	109	71	130	387	1	2	3	2	3	11	0	10	0	10	10	10	1.413	1,422	1,422	0.99
		Sub total	73	47	52	30	0	202	2	2	1	1	0	6	0	3	0	3	3	3	2.00	0	0	0	
KH Ninh Giang 6	Ninh Hoa	Vinh Hue	2.10	42	36	0	0	0	78	1	1	0	0	2	0	1	0	1	1	1	2.00	0	0	0	
		Sub total	42	36	0	0	0	78	1	1	0	0	2	0	1	0	1	1	1	2.00	0	0	0		
KH Thi Tran 2 7	Khánh Vinh	Cay Gio	1.20	42	36	0	0	0	78	1	1	0	0	2	0	1	0	1	1	1	2.00	0	0	0	
		Sub total	64	41	0	35	0	140	2	1	0	0	4	0	2	0	2	2	2	2.00	0	0	0		
KH Yersin 8	Dien Khanh	Phu Cong 2 19/5	0.50	0	0	36	31	0	67	0	1	1	0	2	0	1	0	1	1	1	2.00	0	0	0	
		Sub total	257	201	197	167	130	952	7	5	5	3	27	0	11	0	11	11	18	1.50	0	0	0		
KH Cam Hai Tay 9	Cam Ranh	Ninh Hoa	0.00	76	66	98	79	89	408	2	2	2	2	10	0	10	0	10	10	5	1.00	2,346	2,305	1.02	
		Sub total	59	42	58	46	41	246	1	2	1	1	7	0	5	0	5	5	3	1.40	0	0	0		
KH Cam Hoa 1 10	Cam Ranh	Lac Hoa	1.00	25	40	47	32	40	184	1	1	1	1	5	0	3	0	3	3	0	1.67	0	0	0	
		Sub total	39	43	0	0	0	82	1	1	0	0	2	0	1	0	1	1	0	2.00	0	0	0		
KH Phuoc Tien 1	Nha Trang	Phu Gia	4.00	30	20	0	0	0	50	1	1	0	0	2	0	1	0	1	1	1	2.00	0	0	0	
		Sub total	229	211	203	157	170	970	6	5	4	4	26	0	10	0	10	10	9	1.30	0	0	0		
KH Ninh Giang 6	Ninh Hoa	My Chau	0.00	44	37	34	67	29	211	1	1	1	2	6	0	6	0	6	6	6	1.00	784	1,004	0.78	
		Sub total	127	76	102	77	75	457	3	2	2	2	11	0	7	0	7	7	0	1.57	0	0	0		
KH Thi Tran 2 7	Khánh Vinh	Phong Phu	0.70	76	102	77	75	75	457	3	2	2	2	11	0	7	0	7	7	0	1.57	0	0	0	
		Sub total	36	33	0	0	0	69	1	1	0	0	2	0	2	0	2	2	1	2.00	0	0	0		
KH Yersin 8	Dien Khanh	Phu Thinh	1.50	36	33	0	0	0	69	1	1	0	0	2	0	2	0	2	2	1	2.00	0	0	0	
		Sub total	35	24	26	0	26	111	1	1	1	0	4	0	2	0	2	2	0	2.00	0	0	0		
KH Cam Hai Tay 9	Cam Ranh	Tuach Chau	0.50	242	170	162	144	130	848	6	5	4	4	23	0	16	0	16	16	1	1.44	0	0	0	
		Sub total	64	67	75	144	110	460	2	2	4	3	13	0	8	0	8	8	0	1.63	1,270	1,851	0.69		
KH Ninh Giang 6	Ninh Hoa	Amneco	1.00	133	98	88	0	0	319	4	3	2	0	9	0	4	0	4	4	1	1.80	0	0	0	
		Sub total	197	165	163	144	110	779	6	5	4	4	22	0	12	0	12	12	4	1.69	0	0	0		
KH Yersin 8	Dien Khanh	Tau Suong	0.20	149	102	179	134	140	704	3	4	4	4	18	0	16	0	16	16	0	1.13	781	994	0.79	
		Sub total	36	68	0	0	0	104	2	2	0	0	4	0	2	0	2	2	0	2.00	0	0	0		
KH Cam Hai Tay 9	Cam Ranh	Tho Mo	0.60	36	68	0	0	0	104	2	2	0	0	4	0	2	0	2	2	0	2.00	0	0	0	
		Sub total	22	17	0	0	0	39	1	1	0	0	2	0	2	0	2	2	0	1.00	0	0	0		
KH Cam Hai Tay 9	Cam Ranh	Suoi Lau	3.00	22	17	0	0	0	39	1	1	0	0	2	0	2	0	2	2	0	1.00	0	0	0	
		Sub total	28	11	0	0	0	39	1	1	0	0	1	0	1	0	1	1	0	1.00	0	0	0		
KH Cam Hai Tay 9	Cam Ranh	Tau Hai	7.00	28	11	0	0	0	39	1	1	0	0	2	0	1	0	1	1	0	1.00	0	0	0	
		Sub total	285	198	179	134	140	886	7	6	4	4	25	0	16	0	16	16	3	1.19	0	0	0		
KH Cam Hai Tay 9	Cam Ranh	Bai Giang	0.00	145	136	196	142	166	785	4	4	5	4	21	0	13	0	13	13	0	1.62	1,670	1,314	1.27	
		Sub total	77	65	67	70	65	344	2	2	2	2	10	0	5	0	5	5	0	2.00	0	0	0		
KH Cam Hoa 1 10	Cam Ranh	Bac Uinh	3.00	77	65	67	70	65	344	2	2	2	2	10	0	5	0	5	5	0	2.00	0	0	0	
		Sub total	28	18	20	23	21	110	1	1	1	1	5	0	3	0	3	3	0	1.67	0	0	0		
KH Cam Hoa 1 10	Cam Ranh	Hai Trieu	1.00	75	54	39	38	0	206	2	2	1	1	6	0	3	0	3	3	3	2.00	0	0	0	
		Sub total	325	273	322	273	252	1,445	6	7	6	6	42	0	24	0	24	24	6	1.75	0	0	0		
KH Cam Hoa 1 10	Cam Ranh	Giuse	0.70	83	71	73	68	71	366	2	2	2	2	10	0	5	0	5	5	0	2.00	974	1,700	0.57	
		Sub total	101	100	69	73	73	416	3	3	2	2	12	0	6	0	6	6	0	2.00	0	0	0		
KH Cam Hoa 1 10	Cam Ranh	Cuu Loi	0.00	101	100	69	73	73	416	3	3	2	2	12	0	6	0	6	6	0	2.00	0	0	0	
		Sub total	102	89	113	91	91	486	3	2	3	2	12	0	6	0	6	6	0	2.00	0	0	0		
KH Cam Hoa 1 10	Cam Ranh	Van Tu	1.20	102	89	113	91	91	486	3	2	3	2	12	0	6	0	6	6	0	2.00	0	0	0	
		Sub total	286	260	255	232	235	1,268	8	7	7	6	34	0	12	0	12	12	5	1.66	11,234	13,667	0.82		
Total									11,366					303											

NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status ('96/'97)											Facility Conditions ('96/'97)				[Cf.] Child Population								
				No. of Pupils					No. of Classes					No. of Teachers	Pupil /Class Ratio	Teacher /Class Ratio	No. of Owned	No. of Shared	Total Rooms	Available Rooms	Class /Room Ratio	Age 1-5	Age 6-10	Expected Growth Rate			
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4												G5	Total	1
PROVINCE : BINH THUAN																											
BT Tra Tan 1	Duc Linh	Thon 1	0.00	296	146	157	139	129	777	6	4	4	4	3	21	0	0	0	11	0	11	2	1,91	1,528	2,266	0.67	
			Thon 5	3.00	123	62	53	42	38	318	3	2	1	1	1	9	0	0	0	4	1	5	4	1.80			
			Thon 4	1.20	84	36	30	18	0	168	2	1	1	1	0	5	0	0	0	2	1	3	2	1.67			
Sub total			4.13	244	244	240	199	167	1,263	11	7	6	4	35	0	0	0	17	2	19	8	1.84					
BT Ham Thang	Ham Thuan Bac	Co So A	0.20	183	132	157	137	92	701	5	3	4	3	2	17	0	0	0	9	0	9	0	1.89	670	1,866	0.33	
			Co So B	1.50	61	40	44	29	37	211	2	1	1	1	6	0	0	0	4	0	4	4	1.50				
			Co So C	2.50	68	42	62	55	57	284	2	2	2	2	9	0	0	0	4	1	5	4	1.80				
Sub total			3.12	214	234	253	221	186	1,196	9	5	7	5	32	0	0	0	17	1	18	8	1.78					
BT Lag 1	Ham Tan	Lag 1	0.80	345	273	0	0	159	777	8	6	0	0	4	18	0	0	0	9	0	9	4	2.00	2,417	2,703	0.89	
			Lag 2	0.80	0	0	258	256	38	552	0	0	0	0	12	0	0	0	6	0	6	0	2.00				
			Sub total	345	273	258	256	197	1,339	8	6	0	0	5	20	0	0	0	15	0	15	4	2.00				
BT Phan Ri Thanh 2	Bac Binh	Binh Thuy	0.50	115	94	175	209	157	750	3	2	4	5	4	18	0	0	0	9	0	9	0	2.00	702	1,457	0.48	
			Binh Le	0.50	180	161	39	0	0	380	5	4	1	0	0	10	0	0	5	0	5	0	2.00				
			Sub total	295	255	214	209	157	1,130	8	6	5	4	28	0	0	0	0	14	0	14	0	2.00				
BT Dong Kho	Tanh Linh	Dong Kho P.S.	0.00	143	141	156	167	125	732	4	4	4	5	4	21	0	0	0	11	0	11	3	1.91	1,148	754	1.52	
			Ta Trang	1.50	32	36	0	0	0	68	1	1	0	0	0	2	0	0	5	0	5	0	0.40				
			Ta Pao	1.80	67	0	0	0	0	67	1	0	0	0	0	1	0	0	1	0	1	0	1.00				
Sub total			242	177	156	167	125	867	6	5	4	5	4	24	0	0	0	16	1	17	8	1.41					
BT Phan Ri Qua 4	Tuy Phong	Phan Ri Qua	0.00	230	185	194	131	68	808	6	5	4	2	22	0	0	0	0	8	0	8	2	2.75	2,677	3,391	0.79	
			Sub total	230	185	194	131	68	808	6	5	4	2	22	0	0	0	0	8	0	8	2	2.75				
			Thon 7	0.00	198	51	120	168	173	650	3	1	2	3	4	13	0	0	7	0	7	2	1.86	2,376	2,761	0.86	
BT Tan Lap 1	Ham T Nam	Km 26	1.00	61	101	56	0	0	218	1	2	1	0	0	4	0	0	2	0	2	2	2.00					
			Sub total	199	152	176	168	173	868	4	3	3	4	17	0	0	0	9	0	9	4	1.89					
			Km 32	0.00	97	79	102	114	55	447	3	2	3	2	13	0	0	0	9	0	9	0	1.44	2,376	2,761	0.86	
BT Tan Lap 3	Ham T Nam	Lap Binh	5.00	88	93	37	0	0	218	2	3	1	0	0	6	0	0	3	0	3	3	2.00					
			Sub total	185	172	139	114	55	665	5	5	4	3	2	19	0	0	0	12	0	12	3	1.58				
			Hung Long A	0.00	108	118	78	38	36	378	2	3	2	1	1	9	0	0	9	0	9	3	1.00	1,640	1,093	1.50	
BT Hung Long	Phan Thiet Town	Hung Long B	1.50	133	109	115	145	135	657	4	3	3	4	4	18	0	0	9	0	9	0	2.00					
			Sub total	261	227	193	183	171	1,035	6	6	5	5	5	27	0	0	18	0	18	3	1.50					
			Mui Ne A	0.50	137	137	129	0	98	501	3	3	3	0	3	12	0	0	6	0	6	2	2.00	2,555	2,884	0.88	
BT Mui Ne	Phan Thiet Town	Mui Ne B	0.30	137	96	84	189	40	546	3	3	2	4	1	13	0	0	7	0	7	0	1.86					
			Sub total	274	233	213	189	138	1,067	6	6	5	4	25	0	0	13	0	13	0	13	9	1.92				
			Duc Long	0.00	358	303	263	242	198	1,364	9	7	6	5	4	31	0	0	17	0	17	4	1.82	1,286	1,545	0.93	
Sub total			358	303	263	242	198	1,364	9	7	6	5	4	31	0	0	17	0	17	4	1.82						
Total								11,572					290				279		33,901		0.96	147	13,160	53,181	19,305	23,481	0.82

NO. School	Province	Name of Main/Branch School	Distance to Site [km]	Current School Administration Status (96/97)										Facility Conditions (96/97)				[Cf.] Child Population					
				No. of Pupils					No. of Classes					No. of Teachers	No. of Classrooms	No. of Owned Rooms	Class /Room Ratio	Available Rooms	Age 1-5	Age 6-10	Expected Growth Rate		
				G1	G2	G3	G4	G5	Total	G1	G2	G3	G4									G5	Total
1	Ha Long	Tran Quoc Toan	0.50	0	209	185	241	204	839	0	4	4	5	5	18	0	22	22	0	0.82	1,150	1,180	0.97
		Phien Hieu	1.50	213	0	0	0	0	213	5	0	0	0	5	0	4	0	4	1.25	4	0	0	0
		Sub total		213	209	185	241	204	1,052	5	4	5	5	23	0	22	26	4	0.88	1,150	1,180	0.97	
2	Cam Pha	Cam Son	1.50	154	160	169	172	820	5	5	4	4	4	22	0	5	11	0	2.00	1,364	1,370	1.00	
		Cam Son	0.50	125	104	123	94	550	3	3	3	2	14	0	7	7	7	0	2.00	1,364	1,370	1.00	
		Sub total		279	264	292	266	1,370	8	8	7	6	36	0	12	18	18	0	2.00	1,364	1,370	1.00	
3	Dong Trieu	Lam Xe	0.00	137	126	145	176	584	4	4	4	5	5	22	0	11	0	11	0	2.00	782	933	0.84
		Trung Moi	1.50	58	70	61	35	32	256	2	2	1	1	8	0	4	4	4	2.00	782	933	0.84	
		Sub total		195	196	206	211	135	993	6	6	6	6	30	0	15	15	15	0	2.00	782	933	0.84
4	Uong Bi	Quang Trung	0.00	143	144	154	193	176	810	4	5	5	5	25	0	17	0	17	0	1.47	1,302	1,965	0.66
		Dong Noi	2.50	26	27	0	0	0	53	1	0	0	0	2	0	1	1	1	2.00	1,302	1,965	0.66	
		Sub total		169	171	154	193	176	863	5	5	5	5	27	0	18	1	18	1	1.50	1,302	1,965	0.66
5	Yen Hung	Cong Hoa	0.00	145	123	132	120	116	636	4	4	4	3	18	0	15	15	0	1.20	1,127	1,308	0.86	
		Sub total		145	123	132	120	116	636	4	4	4	3	18	0	15	15	0	1.20	1,127	1,308	0.86	
6	Tien Yen	Thi Tran	0.00	98	106	106	133	139	642	3	4	4	5	4	20	0	11	0	1.82	166	796	0.21	
		Dong Tien	0.50	51	31	33	0	0	115	2	1	1	0	4	0	2	0	2	2.00	166	796	0.21	
		Long Chau	1.00	37	30	32	0	0	99	1	1	1	0	3	0	0	0	0	1.50	166	796	0.21	
		Sub total		186	167	171	133	139	856	6	6	5	4	27	0	15	0	15	3	1.80	166	796	0.21
7	Binh Lien	T.T. Binh Lien	0.00	163	167	160	156	112	758	4	4	4	4	3	19	0	7	3	1.90	582	640	0.91	
		Sub total		163	167	160	156	112	758	4	4	4	4	3	19	0	7	3	1.90	582	640	0.91	
8	Ba Che	Thi Tran	0.00	95	136	127	127	108	593	3	4	3	3	4	17	0	10	0	1.70	502	601	0.84	
		Khu Hai	2.00	32	0	0	0	0	32	0	0	0	0	1	0	2	2	1	0.50	502	601	0.84	
		Sub total		127	136	127	127	108	625	4	4	3	3	4	18	0	12	2	1	1.50	502	601	0.84
9	Van Don	Ha Long	0.00	131	112	124	123	130	620	4	3	3	3	16	0	8	0	8	0	2.00	713	710	1.00
		Ha Long	3.00	48	53	37	37	0	175	2	2	1	1	6	0	3	0	3	2.00	713	710	1.00	
		Sub total		179	165	161	160	130	795	6	5	4	4	22	0	11	0	11	3	2.00	713	710	1.00
10	Quang Ha	T.T. Quang Ha	0.00	72	78	112	112	139	513	2	2	3	3	4	14	0	6	10	0	1.40	1,400	1,400	1.00
		Sub total		72	78	112	112	139	513	2	2	3	3	4	14	0	6	10	0	1.40	1,400	1,400	1.00
		Total		8,461					8,461	234					263	36,16	1,12	26	1,56	7,688	9,503	0.81	

Total (7 Provinces)				79,402	2,239	2,284	1,054	244	1,298	481	1,72	102,559	112,312	0.91
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