

PROGRESS REPORT: YELLOW FEVER PROJECT - NIGERIA.

JULY, 1991 TO JANUARY, 1992.  
14TH FEBRUARY, 1992.

PREPARED BY

DR. A. NASIDI, PROJECT LEADER.

GENERAL.

During the period under review, the project has recorded substantial progress. The construction of the new laboratory building and the upgrading of the old building has commenced. The project is presently progressing according to the new time table.

The first batch of the FVPL staff have been trained in Brazil and are presently participating actively in the implementation of the project.

A trip was carried out by Dr. G.A. Williams, Director, Disease Control and International Health and myself to Ottawa in March, 1991. The meeting was held on the 11th of March, 1991 to re-instate our commitment to the project and re-assure the IDRC of our preparedness to commence the upgrading exercise immediately all outstanding problems are cleared. Following this meeting, a lot has been achieved.

The details of the activities and progress recorded during this period is presented below.

OLD LABORATORY BUILDING.

The contract for the upgrading of old laboratory was awarded to Sam-Keyi (Nig) Ltd in August, 1991. The contractors commenced work at site 15th September, 1991. Completion date is 25th March, 1992.

The period of completion is 24 weeks and according to our consultants, the project is progressing according to schedule. Although they expressed their fears that delays in payment of contractors fees might slow down progress, the completion of the upgrading exercise will be possible by March ending.

The project is presently 45% completed. The achievements are as follow:

1. Completion of foundation.
2. Completion concrete of works up to intel level.
3. Completion of bore hole to specifications, with the exception of fittings.
4. Preparation of tender documents for the award of contract for the air handling and air conditioning units.

This project when completed, will enable us increase level of production to 5 million doses of yf vaccine per annum as planned.

Consultants have guaranteed good supervision and workmanship and have confirmed that the contractor has mobilized adequate personnel, equipment and machinery to enable him finish the job by March ending.

Pictures depicting progress of work are attached.

#### NEW LABORATORY BUILDING.

The Contract for the construction of this laboratory was awarded to Techno-Katagum (Nig) Ltd July, 1991. The contractor commenced construction work on the 5th of September, 1991. The completion date has been put at 10th of July, 1992. Construction of the laboratory is going on strictly according to specifications, under

to supervision of the representatives of the Brazilian consultants PAAL Ltda, Rio de Janeiro. The following progress have been made:

1. Completed demolition of old structure on site and completely mobilized the site for construction work.
2. Completed foundation and all building work.
3. Reinforcement of foundation in progress; about 50% completed.
4. Adequate reinforcement on site.
5. procurement of necessary building materials and the mobilization of such materials to site.

The building is scheduled for completion before December 1992. The contractor has promised to finish on schedule, if paid in time. The Hon. Minister has approved advance payment of some funds as requested by the contractor, to enhance the speed and progress of the work.

Consultants have guaranteed good supervision and have confirmed excellent technical know-how, adequate personnel and machinery mobilization.

#### EQUIPMENT.

The process for the procurement of the production equipment have commenced and the IDRC has indicated that these equipments will arrive Nigeria on schedule. The detail equipment list required for the establishment of production line at the old yellow fever building has been finalized and submitted to the IDRC. The list was finalized during my last visit to FIOCRUZ, Rio de Janeiro in the month of September, 1991.

The IDRC had indicted in its letter of October, that the amount available for the procurement may not be sufficient for the

procurement of all equipment required. The cost of the equipment were underestimated.

The WHO has been contacted to use the money made available to this project for the procurement of some equipment identified by myself and Dr. Manoel Cerquierra of FIOCRUZ. During my trip to Geneva in December, 1991, I met with Mrs. Karin Esteves of the Communicable Diseases Department who is the desk officer detailed to effect the procurement, and discussed the methods and logistics of the procurement. The WHO will commence procurement and agree and coordinate the process with the IDRC, Ottawa. The IDRC and the WHO is working hand in hand to ensure the timely arrival of these equipment in Nigeria.

A timetable of work has been prepared by the contractor. See attached.

The Canadian High Commissioner to Nigeria has kindly agreed to assist us in receiving and clearing the equipments and supplies on arrival at our ports. This will eliminate customs and duty problems.

The items to be procured by the WHO will be dispatched to us through WHO, Lagos, Nigeria.

#### EGG PRODUCTION AND RAW MATERIALS.

The Ministry has initiated a collaboration between the National Veterinary Research Institute (NVRI), Vom, Plateau State to produce enough eggs required for the production of yf vaccine in the quantity planned by us.

During the visit of Dr. Cecile de Sweemer-Ba to Nigeria, a visit to the Institute was carried to finalize this arrangement. The Director agreed to collaborate and provide some of his facilities for the implementation of this vital aspect of the project. It was estimated that about N4-5 million will be required to completely

achieve this goal. The steps necessary to be taken immediately include the following:

1. recruitment of one of the NVRI staff who has an experience in the area of the production of special pathogen free (SPF) eggs.
2. upgrading of the egg production centre of the NVRI.
3. Training of additional staff in Brazil or Canada in this area.
4. provision of sufficient funds to implement this project on the basis of backward integration.

The Hon. Minister has indicated his willingness to fund this project.

A detailed proposal is being prepared. This proposal will be costed only after consultations with the experts of the FIOCRUZ Brazil during the period of our recent visit.

As a temporary measure, 30,000 SPF eggs will be imported into Nigeria from a manufacturer in Brazil, as recommended by the FIOCRUZ experts. According to our estimates, about 7,000,000 doses of yf vaccine could be produced, using this quantity of SPF eggs. This quantity will be sufficient therefore, to sustain production for the period of up to 9 to 10 months.

The funds for the procurement of this eggs is to be provided by the WHO. The amount of \$30,000 will be transferred to the FIOCRUZ, which has agreed to assist us in the procurement of the eggs from the manufacturer identified by them in Sao Paulo.

Logistics of the transportation of these eggs to Nigeria has been finalized. The VARIG airline has a scheduled weekly flights from Sao Paulo direct to Lagos via Rio de Janeiro every Monday. The transportation of the eggs will thus be done via VARIG.

The required import documentations have been discussed with the Customs officials and will be obtained immediately the procurement exercise is commenced.

Other raw materials required for the production of high quality yf vaccine are obtainable in Nigeria. the sources of such raw materials have been identified.

#### Experimental Animal Unit

The old store building, which is to be converted to the new animal unit has been mobilized. The upgrading will commence before the end of March.

#### COMMUNICATION.

The FVPL has installed a Telex machine to enhance communication with IDRC, WHO and the FIOCRUZ.

A FAX machine is to be procured by the WHO for the FVPL. The FAX machine will be installed immediately it is received.

Meanwhile UNICEF has kindly provided its communication facilities for our use, pending when ours will be installed.

#### TRAINING

The three staff of the FVPL that was sent for training to the FIOCRUZ returned on successful completion of the course. The three staff had since commenced work at the FVPL in their various areas of specialization. The staff included the head of the yf laboratory, the head of the experimental animal unit and the head of Diluent preparation unit.

The course was comprehensive enough and their report indicates that all were satisfied with the content of the course.

Among the problem encountered by the staff while in Brazil was

financial. The Minister has approved an additional \$40.00 to the IDRC per diem of the staff while in Brazil.

The next batch of trainees is scheduled to leave for Brazil in April/May.

#### BRAZILIAN CONSULTANTS.

The payment of the Brazilian Consultants for the second phase has been effected during my last trip to Brazil.

The remaining \$17,000.00 is also ready for payment and the amount will be transferred to the Consultants account by next week.

The Consultants are to visit Nigeria during the period of construction of the laboratory to supervise the progress. Their representative in Nigeria has been hired by the Ministry to supervise the project on day to day basis. The terms of payment for the services of these Nigerian Consultants have been finalized by Dr. Dada, the Head, Capital Project Unit of the Ministry.

#### CONCLUSION.

The project is progressing according to plan. To ensure completion on time, the Hon. Ministry has kindly agreed to make an advance payment to both contractors.

The upgrading of the old laboratory building has reached 40% level of completion, while the New laboratory building is at about 15% level of construction. Both contractors have pledged to complete the project on time, at least with minimal delay.

With this and the payment of the Brazilian consultants, we are optimistic that implementation of this vital project will be realized on schedule.

To review our bilateral relations with Brazil and to solve outstanding issues in our relationship and also to concretise out ties with FIOCRUZ and PAAL, the Hon. Minister for Health is sending a team headed by Dr. G.A> Williams, Director Disease Control and International Health to Rio de Janeiro, Brazil. Among others, the team is also to discuss other areas of mutual benefit. The team is leaving Lagos for Rio de Janeiro on the 17th February, 1992.

The IDRC has proposed another trilateral meeting between representatives of IDRC, FIOCRUZ and the Federal Ministry, to be held in Lagos, Nigeria on completion of the upgrading exercise of the old yf laboratory building. This proposal has been accepted by all.



PROGRESS REPORT ON YELLOW FEVER  
PRODUCTION PLANT/LABORATORY, YABA.  
AS AT 17th JAN. 1992.

1.0 GENERAL

The report covers the two projects

- (1) Yellow Fever Production Plant (New Facility)
- (2) Remodelling of Yellow Fever Production Laboratory

2.0 SUMMARY OF REPORT

| S/NO | SUBJECT.                         | YELLOW FEVER PRODUCT.<br>PLANT (NEW FACILITY)  | REMODELLING OF YELLOW<br>FEVER PRODUCTION PLANT   |
|------|----------------------------------|--|---|
| 1.   | Date of commencement of contract | 5th September 1991.  | September 15th 1991.  |
| 2.   | Completion Date                  | 10th July 1992.  | 25th March 1992.  |
| 3.   | Contract Sum                     | N21,695,982.35   | N4,675,452.30   |
| 4.   | Payments Certified to Date       | N1,255,377.20  | N860,161.22   |
| 5.   | Stage of Construction.           | <ul style="list-style-type: none"> <li>- Demolition Completed</li> <li>- Substructured and Foundation wall in Progress</li> </ul>  | <ul style="list-style-type: none"> <li>- Substructure Completed</li> <li>- Super structure in progress.</li> <li>- Bore hole in place</li> <li>- Electrical and plumbing material paid for</li> </ul> |
| 6.   | Outstanding works                | <ul style="list-style-type: none"> <li>- Super structure</li> <li>- Electrical and Mechanical installation</li> <li>- Finishes</li> <li>- Fitting and Furniture</li> <li>- External works</li> </ul> | <ul style="list-style-type: none"> <li>- Air Conditioning</li> <li>- Finishes</li> <li>- Mechanical/Installation</li> <li>- Fittings and Furniture.</li> <li>- External works</li> </ul>              |
| 7.   | Problems                         | The construction had requested for advance payment which had not been granted.   | <ul style="list-style-type: none"> <li>- Air conditioning contract not placed.</li> <li>- Contractor experienced delay due to scarcity of cement.</li> </ul>  |
| 8.   | Prospects.                       | If the contractor is given the advance   | If the contractor works hard and the air-condition-   |

payment of \$5,000,000  
if would enhance  
performance and quiken  
the pace of work. The  
facility would be ready  
by end of Sept. 1992.

ing contrct is placed the  
project would be ready by  
the end of April 1992.

