

ANNEX II

LIST OF BUILDINGS AT KAMINA BASE

1. Comprises 2 zones (East and West)
 - 1 central zone including Schools and Youth Centre
 - 1 Electrical Power Plant (KILUBI)
2. EAST ZONE : AIR FORCE, comprising
 - a) Air installations
 - b) Refuelling station
 - c) Flying school (EPA)
 - d) Water, Sewer and Power facilities (EEE)
 - e) One European District
 - f) One Congolese District
 - g) Technical School
 - h) Administrative Services Area.
3. WEST ZONE : LAND FORCE, comprising
 - a) Logistics (RRR)
 - b) White Troops Camp (CTB)
 - c) Area comprising Schools, Chapel, Military Hospital and Mission
 - d) Farm
 - e) Ammo Depot
 - f) Telecommunications Centre
 - g) Administrative Services Area
 - h) One European District
 - i) One Congolese District
4. CENTRAL ZONE:
 - a) Congolese Schools
 - b) 1 Congolese District
 - c) 1 Centre de jeunesse (Youth Centre)
5. KILUBI:
 - a) Power Plant and Dam
 - b) 1 Mess and related services
 - c) 1 Congolese District
 - d) European Houses

Note: 2,800 structures, including 402 European Houses
1,374 Congolese housing units.

BUILDINGS

EAST ZONE

a) Air Installations:

- One maintenance Hangar 120m x 50m with 45 individual premises for shops or offices
- One shelter Hangar 120m x 50m for planes, including 25 separate areas for shops or offices
- Two Montignies Hangars: for plane or transport shelter
- Two equipment and parts hangars: 1,200 sq m storage or shop room (each)
- One Telecom. Building: 1 storeroom, 2 offices, 2 shops
- One weather-forecast Building: 4 separate areas
- One HYDROGEN building: 3 separate areas
- Air terminal: comprising 68 areas (offices, shops, storerooms) Also a lecture room, a hall, a bar and the control Tower
- Parachute Store: including one drying room for parachutes and one repair shop
- Emergency: one garage
about ten separate areas for a dispensary
about seven offices or areas for various purposes
transformer and emergency plant
- Telephone exchange building

b) Refuelling Station

- 5,500 cubic m Tanks
- Two underground pumping stations
- Two distribution stations
- Watch Unit

c) Flying School

- One main building: 60 rooms - 12 multipurpose areas
1 Movie projection room - 2 bars
1 Kitchen - 1 club-room
- One athletics building: 1 athletics room
4 rooming areas

d) Water, Sewer and Power facilities (EEE)

- 2 buildings: 3 Housing Units for Europeans: 1 living room, 3 bedrooms,
bathroom, 1 kitchen
1 European housing unit used as offices for EEE

- 1 Storehouse
- 1 Hangar including offices and shops, with two large shops at each end
- 1 Water purification Building and Lab
- 1 Water purification Hangar with pumps, emergency power plants and 1 transformer and ozonization equipment
- 1 Water-pumping Station
- 3 Housing Units for Congolese
- 1 Building housing panel and switches of transformer (lowering voltage)
- 1 Congolese house for transformer service

e) European District

- 55 Type F Houses
- 34 Type H Houses
- 28 Types FP and K
- 84 Type J Houses with one storey (except for 30 houses)
- 62 Bachelor apartments: 1 bedroom - 1 shower with 32 garages
- 1 living room -
- 1 kitchen - 3 bedrooms including garage

CLUB LEO II

- 2 dining rooms - 2 bars
- 1 kitchen, plus storerooms and offices
- 2 verandahs
- 1 swimming pool
- 1 PX comprising 1 shop, 2 offices, 1 storeroom
- 1 Dispensary with about 10 areas (clinic room and offices)
- 1 Telephone exchange Building
- 1 Post Office Bldg comprising one hall for the public, 2 offices, one safe-room and one sorting room
- 1 School building with about 6 classrooms

f) Congolese District

- 252 4 room units
- 52 5 room units
- 47 4 room units
- 46 2 room units (1 kitchen and 1 living-room)
- 42 Shower buildings
- 44 Toilet buildings
- 21 Community kitchen buildings
- 21 Water distribution buildings

g) Technical School

- One HQ building: offices
- 4 buildings: class rooms and workshops
- 1 hangar for workshops with one large workshop at each end
- 2 sanitary wards
- 1 emergency power plant

h) Administrative services

One PX comprising: 1 retail-shop, two store-rooms and several offices

One administrative services building

- One annex: store-room
- Three social welfare centre buildings including laundry-ironing-cooking rooms, 3 lecture rooms and two offices

Two multipurpose buildings, one of which is used as dining-room and cinema

- One school comprising four classrooms (under construction)
- One covered market (under construction)
- One dispensary for Congolese comprising about 10 separate areas.

WEST ZONE

a) Logistics (RRR)

Transport

- 1 guard station
- 1 closed shed
- 5 vehicle hangars
- 2 fuelling stations
- 1 repair shop
- 1 distribution office
- 1 slaughterhouse, refrigeration room, cattle pen and meat distribution area
- 1 showers building
- 1 food store-room
- 1 laundry building
- 1 heating building
- 1 sterilization building

- 1 office building
- 1 carpentry and timber stocking building
- 1 timber-drying building
- 1 battery charging ward
- 12 hangars: warehouses and workshops
- 4 office buildings
- 22 hangars: warehouses or workshops
- 1 shed for inflammables of the sanitary services

b) White Troops Camp

- 1 General Services Block comprising: 1 kitchen - 1 dining room - 1 cafeteria - 1 guard station and prison cells.
- 1 Health ward
- 52 blocks for troops, comprising: 1 general dormitory and 4 small officers' rooms
- 7 Health wards
- 6 Coy blocks: two central offices and four other areas
- 4 HQ blocks: two central offices and four other rooms
- 1 Bowling alley
- 1 Ammo storehouse for small arms

Semi-permanent facilities

- 4 storehouse buildings
- 1 Chapel
- 1 office building
- Parachute-store comprising: 1 hall - two drying rooms - 2 folding rooms - 3 storerooms - 1 workshop - 3 lecture rooms - 4 offices and 1 annex area for air conditioning equipment
- One CE Paratrooper training storeroom
- One MT garage and annexes: washing area and POL room included
- One dispensary: ten areas

c) Schools, Chapel, Military Hospital and mission area

- 1 school with class rooms
- 1 sanitary block

- 1 chapel
- 1 rectory: housing unit
- 1 mission comprising: 1 kitchen - one chapel - one dining room - rooms and several areas for various purposes
- 1 hospital comprising: 1 central block for administrative services and doctor's consultories, one operation room, one European wing with kitchen, bar and beds, one Congolese wing with nursery, kitchen and beds, one Congolese maternity ward, beds and 7 store-rooms in the basement

d) Farm

- 1 house for European: 1 kitchen - 1 living room - 2 bedrooms - 4 hangars for storing - offices and sheep-pens
- 1 stable

e) Ammo depot

- 1 guard station
- 17 sheds for ammo.

f) Telecommunications Centre

- 1 Transmission Centre Building: one large central area and some storerooms
- 1 Receiving Centre Building: one large central area and some storerooms

g) Administrative Services Area

- 4 Office buildings
- 1 Prison block
- 1 PX and store rooms
- 2 Annex buildings, 1 chapel and 1 dining room
- 3 Social welfare buildings comprising: 1 kitchen, 1 laundry, 1 ironing-room, 3 lecture rooms, 2 offices
- 1 School building with 3 class-rooms
- 1 hangar (garage) and offices of the police fire-brigade
- 1 covered market (under construction)

h) European District

- 1 PX for Europeans: retail shop - storeroom - two offices
- 1 Post Office, 1 hall, 1 sorting room, 2 offices, 1 safe room

- 1 Club (RMH) comprising 1 kitchen, storeroom and offices,
2 dining rooms, 2 bars
- 1 Swimming pool, lockers, and water purifying station
- 1 Cinema comprising theatre, hall, 1 bar
- 1 Sports arena comprising 2 health wards, 1 storeroom and
2 gamesrooms
- 18 housing units for bachelors: 1 bedroom, 1 shower and toilet,
8 garages
- 20 AB houses - 1 kitchen, 1 living-room, 2 bedrooms
- 25 F ")
- 36 H ") 3 bedrooms
- 6 FP ")
- 56 J " 1 story and 3 bedrooms
- 8 Apartments for female social workers: 1 bedroom, 1 kitchen
1 living-room, 1 bath-
room
- BASE HQ: 1 story building - hall and offices

i) Congolese District

- 26 Blocks with 13 housing units
- 32 Blocks for general purposes
- 410 Housing units for Congolese: 4 room houses
- 70 Shower buildings
- 70 toilet buildings
- 35 Community kitchens
- 35 Water distribution buildings
- 48 4 room houses

Note: Cité Tramontoy: 28 houses of all types both for Congolese and Europeans

Central Zone

- 9 School buildings for Congolese: 3 - 4 class-rooms;
6 - 3 class-rooms
- 1 Congolese district with 10 buildings comprising 20 housing
units for Congolese with 1 kitchen - 1 living-room -
2 bedrooms
- 1 Youth Center: 1 school building, with central area, offices
and sanitary facilities; 12 small buildings with 2 areas each.

KILUBI:

Dam and related facilities

1 central building comprising engine room, offices, storerooms

1 inflammables building and garage

2 FP houses with three rooms (for Europeans)

1 6-room house

25 double housing units with 2 units each comprising:

1 kitchen, 1 living-room, 2 bedrooms (under
construction)

1 dispensary with 4 areas

1 mess, 1 bar and 1 dining-room

1 building: 1 kitchen and 1 storeroom

1 " : 1 kitchen, 1 mess, 2 dining-rooms, 2 bars, 1 kitchen
and sanitaries (under construction)

1 housing unit: 4 rooms

2 buildings: housing units for Europeans

ANNEX III

BELGIAN ESTIMATED EXPENDITURE ON KAMINA BASE 1960 and 1961

SUBJECT: DOCUMENTATION ON KAMINA BASE

REF.: Your letter 3 September 1960

You will find below in the annex the information requested in points 4), 5), 8) and 10) of your letter of 3 September 1960.

1. Budget estimates for 1960

- a) It is difficult to determine accurately the amounts earmarked for Kamina Base in the different budgets in which credits were provided for the Base.

In fact Kamina Base received directly and indirectly funds from the following budgets:

- (1) regular budget of the Forces Métropolitaines d'Afrique
- (2) regular budget of the Land Forces
- (3) regular budget of the Air Force
- (4) extraordinary budget

- b) Regular budget of the Forces Métropolitaines d'Afrique

In 1960 the share of Kamina Base on this budget amounted to about:

<u>216,000,000.00 Francs</u>	for personnel expenditure, i.e. salaries, wages, allowances for Belgian and Congolese personnel, <u>food</u> (for personnel entitled to free food allocation, about 25,000,000.00 frcs for this heading), entertainment expenses, funerary expenses.
<u>68,887,000.00 Francs</u>	for equipment and maintenance expenses as follows. 2,017,000.00 frcs for salaries of non-military personnel
465,000.00 Francs	Social work for Congolese
9,022,000.00 "	Procurement of equipment and commodities
11,243,000.00 "	Maintenance and renewal of equipment
3,375,000.00 "	Fuel and maintenance of vehicles and ordinance
21,835,000.00 "	Transport
2,351,000.00 "	Pharmaceutical supplies and welfare (871,000.00)
1,160,000.00 "	Maintenance of railway equipment

11,320,000.00 Francs Repair of buildings and fire protection
equipment

59,000.00 " Maintenance of plantations and plant nurseries

c) Regular budget of the Land Forces

(1) The following amounts on this budget were credited for Kamina Base
for the benefit of the troops in the camp.

(a)	25,000.00	Frcs	Maps
(b)	10,000.00	"	Minor repairs for field radio equipment
(c)	2,000,000.00	"	Fuel
(d)	1,300,000.00	"	General transport (this heading already spent in January 1960)
(e)	340,000.00	"	Stationery
	<u>3,675,000.00</u>	"	Total

(2) The Land Forces paid directly all the supply for the troops
stationned in Africa. The Kamina Base received the equipment, the
vehicles and other supply for the troops, but had no hand in the
financial settlement.

We have requested an estimate for the value of these supplies for
your information. We received an answer saying it would take quite
a time to give a detailed estimate of this heading.

d) Regular budget for the Air Force

(1) The following amounts have been earmarked for Kamina Base:

(a)	10,000,000.00	Frcs	For purchase of aircraft fuel on foreign airports (i.e. outside Congo)
(b)	500,000.00	"	Various articles and commodities
(c)	500,000.00	"	For maintenance of machines and tools
(d)	1,000,000.00	"	Maintenance telecom. equipment
(e)	500,000.00	"	Aircraft minor repairs
(f)	50,000.00	"	Maintenance bicycles, motorcycles and some types of automotive equipment
(g)	<u>12,550,000.00</u>	"	Total

- (2) The Air Force paid directly for the supplies destined to military aviation.

This entails considerable amounts, particularly:

- (a) Purchase of aircraft, spare parts, repairs, etc.
- (b) Purchase of fuel for Kamina Base
- (c) Purchase of telecom., radar, meteorological equipment and parts, special vehicles, etc.

e) Extraordinary budget

For financial year 1960 a total of 143,979,022.00 frcs were earmarked to be charged on the extraordinary budget of 1960 and of the previous years.

This sum was detailed as follows:

- (1) 51,304,004.00 Frcs for European district
- (2) 38,445,743.00 " for Congolese district
- (3) 17,700,000.00 " for capital equipment
- (4) 9,285,400.00 " for hospital and services
- (5) 3,019,758.00 " for electrical and tele. installations
- (6) 894,523.00 " for water supply
- (7) 6,726,493.00 " for materials and various equipment
- (8) 16,603,151.00 " for sundries of which:
 - 3,375,000.00 Frcs ordinance purchase
 - 1,364,000.00 " vehicle purchase
 - 970,000.00 " for renewal of hospital and surgical equipment

143,979,022.00 Frcs Total

This amount was curtailed in the course of the financial year due to the recent events.

f) Conclusions for 1960 budgets

A total amount of 445,100,000 francs was estimated for the Operation of Kamina Base for the year 1960. This does not include expenses pertaining to:

- (1) Troops stationed on the Base. However, the Defence of the Base Coy was maintained on credits earmarked for Kamina Base. It will be noted that only one paratrooper battalion was intended for the Base (about 400 Men) and that the expenditure

for Base Operation was estimated on the basis of only one battalion.

(2) Wing Command and Maintenance team of the Air Force.

However, the personnel (and not the equipment) of the following sections was paid on the budget of Kamina Base:

(a) Transport Squadron (DC3)

(b) Rescue Squadron (Sycamore helicopters)

(c) Support Squadron (Harvards)

2. Budget estimates for 1961

a) Same budgetary apportionment as in 1960

b) On the budget of the Base proper, only expenditure for equipment was foreseen, expenditure for personnel is to be estimated in Brussels, taking into account

(1) Foreseen expansion of personnel. (The Flying School was to be considerably expanded to train Dutch Pilots, and two battalions were foreseen for Kamina, one of which eventually to go to Ruanda Urundi)

(2) The escalator clauses for salaries

(3) The evaluations foreseen for equipment expenditure for an amount of 89,191,000 Frs, detailed as follows:

2,072,000	"	Salaries of personnel
494,000	"	Social work for Congolese
9,902,000	"	Procurement commodities
20,771,000	"	Maintenance and renewal of equipment
15,900,000	"	Fuel and maintenance vehicles and ordinance
22,500,000	"	Transport
2,865,000	"	Welfare and pharmaceutical supplies
400,000	"	Funerary expenses
14,287,000	"	Maintenance railway equipment and buildings

c) Nothing is known as yet of the Air Force and Land Forces budget.

Brussels was supposed to inform us before the end of 1960.

As for the extraordinary budget, only the first proposals had been received, including among others:

100 double houses for Congolese	28,000,000
20 houses for Europeans	14,000,000
2 churches for Congolese	3,000,000

3. List of equipment and supply that could be handed over to the UN

We have transmitted the lists to you on September 2 and 3.

They include only major items. Complete stocks are registered in tens of accountancy files and a complete and detailed inventory (thousands of everything on the Base) would entail prolonged work for which time and extra personnel would be necessary.

4. Procurement plan to 31 December 1960 in annex

Col. Van Lierde

ANNEX IV

BELGIAN ESTIMATED EXPENDITURE ON MAINTENANCE
ON KAMINA BASE DURING 1960

FROM: Com. de Wilde
TO: M. Plaza
SUBJECT: Detailed evaluations for Base Operation
REF: Your Note 3 Sept., point 7

1. The included budget covers the normal operation costs of buildings and various works in normal times.

The costs cover the operation and maintenance of:

- Congolese districts
- European houses
- Public buildings
- Roads and Runways
- Power Plant
- Water-purification Plant (detail in Annex 1)

For the year 1960 the programme was slowed down, however it could soon be terminated since bids are not to be awarded before Dec 30, 1960. Normal awarding of bids is impossible under the present circumstances (lack of publicity, no detailed specifications, no UN directives as to conditions of payment [Belgium or Congo], delays, taking over of contracts, delegation of financial responsibilities for the implementation of contracts).

2. Please note the following points:

Buildings are relatively new, and therefore repairs are relatively inexpensive.

For this reason it is pointed out in note n° DT 4 824 of 3 Sept 60 that the normal maintenance totals about 9,000,000 which is barely over 1/2% of the capital invested in buildings and capital equipment.

Annex 1 of my letter lists a total of 15,000,000.

This difference is due to the fact that the first figure is an estimate of maintenance proper of buildings exclusively, whereas the

second figure includes the maintenance and operation of equipment pertaining to the Kilubi Power Plant and to the water-purification plant.

The second figure comprises also several improvements to buildings (alterations in pavement, minor masonry work, etc. ...) and various minor conversion works, on a one-time basis.

It is to be hoped that in the next few years, the maintenance of buildings proper, in spite of obsolescence will be below 9,000,000 for the purchase of materials. Figures quoted above do not include labor.

(Annex 1)
Financial year 1960

1. Security control of industrial equipment	90,000,-
2. Chemicals for wood conservation (anti-termite)	50,000,-
3. Paper for blueprints	30,000,-
4. Furniture polish and varnish	45,000,-
5. Renewal of furniture	27,000,-
6. Maintenance fire-protection equipment	100,000,-
7. Renewal of fire-protection equipment	207,000,-
8. Maintenance of buildings (minor work?)	100,000,-
9. Major maintenance work on buildings	
Refrigerated butchers' storerooms	600,000,-
Improvement of Flying School Sanitary installations	600,000,-
Tiling of camp toilets (ceramic)	160,000,-
Tiling (pavement) in following:	
Congolese Dispensary	300,000,-
Troop Dormitories in Camp	600,000,-
8 European houses	80,000,-
Parachute-store	270,000,-
Handrailing of staircases in 55 one-storey houses	121,000,-
Air-conditioning tyre storeroom	200,000,-
Conditioning of slaughter room	250,000,-
Unforeseen works	250,000,-
Repainting: Cong. dispense., Europ. school, Soc.Centers	312,200,-
Building materials	2,920,000,-
Paints for repainting en régie	2,400,000,-
Roofing materials	686,800,-
Various equipment and materials (cooking equip. refrig. various equip.)	850,000,-
Road materials	739,000,-
10. Maintenance of the power station and of the power network (power lines, underground network & transformer)	1,650,000,-
11. Operation of the water purification plant and distribution network	1,357,000,-
TOTAL	14,995,000,-

ANNEX V

PROSPECTUS OF TECHNICAL TRAINING SCHOOL, KAMINA BASE

Translated from French

Date of foundation of the School	1951
First regular four-year course	1951-1955
Leaving diplomas awarded	279
Two-year Naval study certificates	52
-	
Present capacity of the School	250 pupils
-	

The summaries furnished as documentation do not represent the full literature available as several summaries are undergoing revision.

KAMINA BASE AIR FORCE TRAINING SCHOOL

I. PURPOSES OF THE SCHOOL

1. To train Congolese technicians capable of safely assisting European technicians working on aircraft or in technical installations of the Air Force.

The main trades in which instruction is now given are:

- fitter
- rigger
- electrician
- radio mechanic

2. To provide preliminary training for Congolese technicians entering the Navy (for two years; training for a further two years to be continued at BANANA).
3. As a subsidiary measure, and only in so far as required, to train technicians in the following occupations:
 - aircraft hand-fabric repairer-painter
 - blacksmith-welder
 - lathe operator
 - joiner
 - parachute packer
4. To assist in the general work of educating Congolese youth.

II. ENTRANCE AND RECRUITMENT REQUIREMENTS

1. For admission on a trial basis (period: three months) candidates must:
 - (a) Be unmarried and not more than seventeen years of age.
 - (b) Hold a school leaving certificate for the sixth year of primary schooling. (Some priority is given to candidates holding a certificate showing that they have successfully completed one or more years of post-primary schooling and in such cases some flexibility is allowed concerning the maximum age on entry.)
 - (c) Pass a medical examination conducted by a doctor of the Health Service/KAMINA Base.
 - (d) Pass the competitive entrance examination at a sufficiently high level - the number of candidates admitted each year is determined by the Command.
 - (e) Be of Congolese nationality.

The entrance examination is held between 15 August and 15 September and includes the following tests:

- (i) French: a dictation (twenty lines), a composition on an easy subject, three exercises to test knowledge of everyday vocabulary, a passage for reading.
- (ii) Arithmetic: a written examination entailing a series of simple operations and problems requiring a good knowledge of the four fundamental operations applied to integers and fractions, vulgar fractions and decimal fractions and some problems involving simple reasoning.
- (iii) Interview based on psycho-technical tests to determine judgement, reasoning powers, mechanical aptitude and manual dexterity.
- (iv) Assessment of general conduct during the examination period.

2. For admission as a regular trainee, candidates must:

- (a) Pass a selection test (50 per cent in each subject) held at the end of the first three months of training in the subjects taught at the School during that first term.
- (b) Have satisfied disciplinary requirements during that term.
- (c) Agree to sign an employment contract for a three-year period to become effective on leaving the School, binding the candidate to the Metropolitan Forces (marriage is permitted during the period covered by the contract). This contract is signed by the trainee's guardian.

3. The recruitment procedure is as follows:

- (a) Between 1 January and 10 July of each year, candidates are enrolled. They must make an application in writing to the Commandant of the Kamina Base Training School - BML - B.P. 573 - Kamina Base offering themselves as candidates for the course starting on the following 15 September.

In the application they must give the following particulars: name and exact address, date of birth, whether a bachelor, and educational qualifications (stating the name of the institution and attaching certificates, diplomas or copies thereof).

- (b) On receipt of an eligible application (meeting the general requirements) the Commandant of the Kamina Base Training School sends the candidate a questionnaire to be completed. It must be returned to him as soon as possible.

(c) Between 10 July and 10 August the School Commandant sends for the candidates whose applications have been approved to attend the entrance examination at the examination centre nearest to their homes (KAMINA-LEOPOLDVILLE-ELISABETHVILLE-LULUABOURG).

Travel expenses to the examination centre and living expenses incurred there are borne by the candidates.

(d) Candidates who have passed the selection tests are sent immediately after the examination to KAMINA at the expense of the Base. If owing to some exceptional reason which comes to light subsequently (e.g. unsuitability on medical grounds) a candidate cannot be admitted to the School, he will be returned to the recruitment centre at the expense of the Base.

Unsuccessful candidates are notified immediately.

Important: NO CANDIDATE SHOULD REPORT UNLESS SENT FOR.

III. GENERAL TRAINING CURRICULUM

1. The first part of the theoretical and practical training lasts four years. On completion of this first part, trainees who pass the final examination of the Training School are put to work in the units and installations of the Metropolitan Forces.

Under the supervision of qualified European personnel they attend a three-year course of advanced instruction necessary to complete the training received during the four-year course.

At the end of this period, they must pass a practical examination which entitles them to a government-approved diploma. The diploma states subjects in which instruction has been received, the length of the courses attended, the level of proficiency reached and the student's examination record. The diploma is at the lower secondary vocational level.

2. The school year begins on 15 September and ends on 1 August the following year.

Between 1 August and 15 September trainees are given paid leave.

3. Lectures or practical work are conducted in French every day of the week (except Saturday) from 7.00 a.m. to 11.45 a.m. and from 2.00 p.m. to 4.30 p.m. Saturday mornings are devoted to sport, educational films and the cleaning of classrooms and teaching equipment.

IV. GENERAL TRAINING PROGRAMMES AND LEVEL

1. First year:

(a) Objective: to provide trainees with a sound basis which will enable them to benefit from the trade courses.

(b) General scope of programmes

Review of main subjects studied during the last year of primary school.

- Supplementary courses (geometry - mechanical drawing - mechanics and physics up to the standard of a European vocational school).
- Practical training in technology and fitting.

2. Second and third years:

(a) Objective: See 1 above.

(b) General scope of programme:

- Continuation of supplementary courses begun during the first year.
- Study and application of general principles of work in the Air Force or Navy as appropriate.
- Theory and practice of the trade considered.
- Repeated execution of routine inspections and standard operations on engines, aircraft etc.

3. Fourth year

- Periods spent in the various technical units of the Kamina Base where the trainees participate under supervision in the work normally carried out by qualified tradesmen.
- Review of subjects studied during the second and third years with practical work.

V. BENEFITS ENJOYED BY TRAINEES

1. Entire training given completely free (no charge for teacher's fees, books, classroom equipment or tools).

2. Free board in a collective mess (three meals a day comprising a ration much higher than that normally issued in accordance with the statutory provisions).

N.B. This applies only during the four years of theoretical training proper.

3. Free issue of certain equipment: walking-out uniforms, raincoats, overalls, sweater, blanket, bed.....

4. Free lodging in permanent buildings.
5. Free medical care and medicaments.
6. Normal welfare.
7. Pay at the rate of 3 francs a day when attending courses.

A merit bonus is payable to trainees in accordance with the following scale:

- 1 franc a day if the trainee obtained between 65 per cent and 74.9 per cent in the examination at the end of the preceding year.
 - 2 francs a day if the trainee obtained 75 per cent in the examinations.
8. During the employment contract which follows training proper, payment of statutory wages and other statutory benefits (posho and family allowances) with prospects of increases.
 9. Upon conclusion of the first employment contract, re-engagement terms are offered to those who have shown themselves hard-working and disciplined. They can then be nominated for appointment to established posts.

VI. DISCIPLINE

The various penalties which may be imposed on trainees during their training are:

1. Detention: for offences against specific school regulations (low marks in oral tests - indiscipline in class). Detention is held under supervision during the week-end.
2. Fines: for offences against the internal regulations of the Kamina Base (absence without leave - breach of discipline in quarters...). They amount to one day's pay. Only one fine is imposed for each offence.
3. Severe reprimand: for a serious offence against school regulations or against Kamina Base regulations. This always involves the loss of pay for a week and can only be imposed once; repetition of such offences may lead to expulsion.
4. Expulsion.

Note: Further information may be obtained from the Commandant of the Training School - Air Force - Kamina Base.

LIST OF BELGIAN PERSONNEL AT KAMINA BASE

A. MANAGERIAL, ADMINISTRATIVE AND PROFESSIONAL

58Managerial and Administrative

43

Commanders and directors		8	
General staff	6		
Instruction and transport wing	1		
Other	<u>1</u>		
Senior officers and chiefs		22	
General staff	8		
Purchasing	1		
Sound	1		
Works and buildings	1		
Special services	1		
Training and intelligence	2		
Proc. and evacuation	<u>2</u>		
Health services		2	
Head Quartermaster		1	
Air procurement platoon		1	
Training and transport wing		8	
Flying group	1		
Technical school	1		
Engineering officer	2		
Pilot instruction	1		
Pilot transport sq.	1		
Administrative officer	1		
Equipment and stores	<u>1</u>		
Training centre		1	
Other		<u>1</u>	
Other chiefs and deputy chiefs		11	
Military magistrate and Deputy		<u>2</u>	

Professional15

Agronomist (works engineer)	1	
Electrical engineer	2	
Meteorologist	1	
Librarian	1	
Professional trainees	2	
Doctor of internal medicine and dentist	1	
Surgeon	1	
Eye, ear and throat specialist	1	
Anaesthetist	1	
Pharmacists	2	
Head of pharmacy laboratory	1	
Pharm. chemist	<u>1</u>	

B. TECHNICAL AND SUPERVISORY

293

Technical

55

Physiotechnician	1
Ophthalmological technician	1
X-Ray	3
Laboratory (chem.)	1
Pharmacy assistant	1
Nurses	11
Physiologist	1
Photographers	2
Cartographer	1
Translator	1
Weather forecaster	1
Radio operators	5
Radio operators aboard plane	17
Balloon specialist	1
Parachute specialists	8

Instructors

109

General	42
Fencing	2
Fire and police brigade	1
NCO, school	1
Parachute	8
Procurement (air supplies)	30

Training and Instr. Wing

67

Pilot instructors	57
Chief	2
Ground	7
Flight formation	1
Techn. school	2
In flight	9
Unspec.	24
Training	9
Link trainers	3

Navigation training	7
Education, other	3

Chaplain

1

Training and instr. wing techn. personnel
(excl. instructors)

102

Junior officers

37

Navigation	3
Fire prevention	3
Telecommunications	2
Equipment officer	5
Pilot transport	1
Pilots	4
Rescue squad	2
Flight chief	1
Maintenance squad	1

B. TECHNICAL AND SUPERVISORY (Cont.)

293

Technical	11		
Telecomm. squad	3		
Techn. school	2		
Control and insp.	1		
Maintenance	4		
Auto transport	<u>1</u>		
Air services squad	1		
Unspec.	<u>7</u>		
Pilots		56	
Rescue squadron	12		
Regular flight	24		
V	2		
Students	<u>18</u>		
Navigators		<u>9</u>	
<u>Supervisory Personnel</u>			<u>26</u>
Transportation		4	
Wheeled vehicle maint.			
command	2		
Proc. officer transport	1		
Head transport platoon	<u>1</u>		
Buildings and barracks		7	
Chief of service, buildings			
and barracks	1		
Chief of service, buildings			
and barracks works	1		
Junior building officer	1		
Junior admin. officer			
buildings and barracks	1		
Junior directing officer,			
buildings and barracks	2		
Manager military buildings	<u>1</u>		
Schools		4	
Head, school platoon	1		
Platoon heads, schools	<u>3</u>		
Other		<u>11</u>	
Chief of service, techn.			
services	1		
Chief warrant officer	1		
Company commander, admin.			
company	1		
Deputy chief ordinance	1		
Warehouse command	1		
Chief, non-mobile control			
tower team	2		
Chief, works platoon	1		
Adj. S1	2		
General manageress, health			
services	<u>1</u>		

C. FOREMEN, ARTISANS AND SKILLED WORKERS

365

Foremen

15

Unspec., land engineering	6
Engineering	2
Chief, eng. shop	1
Buildings and works	2
Works	1
Buildings and barracks	4
Technical services	1

Fitters, mechanics and other metal workers

265

Fitters	123
Technical services, land eng.	2
Precision instrument	8
Aircraft	15
Motor, aircraft	82
Gunsmith	13
Engineering for ordnance	1
Ironworks	2

Mechanics	114
Precision instruments	11
Electrical, aircraft	3
On board, aircraft	14
Radio, air force	54
Auto	20
Telescript	1
Electrical, buildings and barracks	3
Engineering, works	2
Equipment, works	1
Woodworking machinery	1
Communication lines and cable	4

Repairmen	14
Radar HAA	1
Radio	2
Carburetion and elec., auto	3
Auto	5
Arms	1
Small-arms	1
Refrigeration equipment	1

Welders and smiths	8
Welder	3
Aeronautical welding	1
Copper- and tinsmith	4

Lathe operators	6
Metal lathe	5
Equipment and metal	1

Electricians

33

Carpenters

3

C. FOREMEN, ARTISANS AND SKILLED WORKERS (Cont.)

365

<u>Plumber (building installation)</u>		1
<u>Runway control and radio oper. traffic</u>		3
<u>Parachute folders and repairmen</u>		13
<u>Firemen</u>		2
<u>Fuselage coverer (canvas)</u>		2
<u>Service occupations</u>		<u>28</u>
Truck drivers and chauffeurs		11
Butchers		2
Slaughterer	1	
Butcher	<u>1</u>	
Bakers, mech.		2
Cooks		11
Cook-butcher	1	
Head cook	1	
Assistant cooks	<u>9</u>	
Launderer		1
Boiler operator		<u>1</u>

D. CLERICAL OFFICERS

192

Secretaries		39
Med. secretary	1	
Pharmacist secretary	1	
Other secretaries	35	
Typists	<u>2</u>	
Clerks		30
NCO's and warrant officers		27
Technical apparatus, air force	11	
Transport, army	6	
Training and instr. wing	4	
Other	<u>6</u>	
Storekeepers		6
Procurement		61
Headquarters	2	
Health Service	2	
Land engineering	8	
Command	3	
Works	1	
Engineering equip.	<u>4</u>	
Logistics	3	
Quartermaster	6	
Ordnance	7	
Petrol, oil and lubricants	1	
Ammunition	1	
Food	3	
Bedding and personal effects	1	
MOC	4	
Other	9	
Technical, air force	<u>14</u>	
Code officers		6
Health officers		5
Draughtsmen, architectural and techn.		4
Tribunal		5
Registrars	4	
Court secretary	<u>1</u>	
Instructors, n.o.s.		2
Cafeteria keeper		1
Other		<u>6</u>

E. OTHER PERSONNEL

197

Reinforcements, army		184
Quartermaster		27
Officers	1	
Men	<u>26</u>	
Ordnance		80
Officers	2	
Men	<u>78</u>	
Transport, men		28
Telecommunications		36
Officers	1	
Men	<u>35</u>	
Military tribunal		3
Health Service - Baka		<u>10</u>
Unskilled, cleaning		<u>13</u>

ANNEX VII

A REPORT BY GENERAL R. A. WHEELER
ON BUILDING CONTRACTS AT KAMINA BASE

SUMMARY OF TEN SUSPENDED WORKS CONTRACTS TO BE
RESUMED MONDAY, 12 SEPTEMBER

AND

FOUR WORKS CONTRACTS NOT YET STARTED
TO BE BEGUN MONDAY, 12 SEPTEMBER

FOR

RELIEF OF UNEMPLOYMENT AT KAMINA BASE

INTER-OFFICE MEMORANDUM

Kamina Base, 5 September, 1960

To: Dr. Linner

From: R. A. Wheeler

Subject: List of Projects for Unemployment Relief, Kamina Base

1. Attached is the list of projects reviewed by Mr. Galo Plaza and the Director of the Belgian Technical Mission, Kamina Base. Only four items are contracts that have been awarded but not started; all other items are contracts that have been started but later suspended. All items are considered appropriate for relief of unemployment and for sponsorship by the United Nations.

2. The Congolese Central Government has approved a 30% increase in the Congolese labor rate. This increase is included in the attached list.

3. Water mains and pipe, sewer siphons and electrical cable, heaters, etc., for which competitive bids were received from Belgium and awards made to Belgian suppliers, were cancelled two weeks ago. These supplies are necessary for some of the projects included in the list. It is therefore recommended that the cost thereof be included in the total cost of the projects for which funds are requested.

4. Some of the projects in the list include materials en route from Matadi to Kamina but which have been stopped in transit by the President of Kasai Province. You have already initiated action to get the tonnage in warehouse at port Francqui en route to Kamina and the tonnage on railway cars at Luputa near the border that is also en route to Kamina on the way again. Further action along this line is recommended. Roofing material now on hand at the manufacturer's plant in Luluabourg must be forwarded as soon as rail connection is reestablished. Tiling, which is one of the items that has been stopped en route, can be replaced by local manufacture in Elisabethville, if it is delayed too long in delivery.

5. The total number of Congolese employed in construction and maintenance by the Base and paid by the Belgian Government is 660. None of them are included in this list.

6. Projects are summarized as follows:

- | | |
|---|-----------------|
| a) <u>Total cost:</u> | |
| Completion of contracts: | 28,457,206 frs. |
| 30% increase labor costs: | 1,350,000 " |
| Imported materials: | 2,244,408 " |
| Contingencies 6%: | 1,948,386 " |
| | <hr/> |
| | 34,000,000 frs. |
| Total | |
| b) Total employment - 550 Congolese | |
| c) Percentage of cost in Congolese currency: about 62% | |
| d) Contractors request that foreign exchange portion of their contracts be paid in Belgium. | |

7. It is recommended that request for funds in the amount of US\$680,000. be submitted as soon as possible in order that the various works may be resumed on Monday, 12 September.

cc. Mr. Galo Plaza

Contract for completion of building of hot water showers

Contractor: J. Willaime

Price: 904,294 c.fr (price fixed, with no provision for exhalation either for increases in costs of materials and supplies or of labor.

Contractual period: Work to be completed within eight months after acceptance of bid. Bid accepted May 30, 1959 - therefore contract should have been finished by January 31, 1960.

Contractor's bond: 45,200 fr.

Contract for cinema theatre

Contractor: SOTECO

Price: original bid, Dec. 31 1958 -	5,352,015.81 fr
change order May 28, 1959 - added	17,048.19
change order 10/11/59 added -	67,947.00
change order 25 April 1960 added -	121,427.00

There are exhalation clauses for materials and labor

Contractual period: Work to start within two months after award and be finished 18 months thereafter. Original 18 month period was to start from December 31, 1958. Change order of 10/11/59 added 12 days and change order of 25 April, 1960 added 30 days. Contract should therefore have been completed by middle of August, 1960. Maximum penalty for delay on part of contractor is 5% of contract price.

Contractor's bond: 267,600 fr.

MEMORANDUM

September 6, 1960

Subject: Contracts for Public Works Projects, Kamina Base

I have examined a number of the contracts for works at Kamina Base. All are unit price contracts which were let on the basis of competitive bids. In all except one of those examined (the exception being the Willaime contract for completion of building of hot water showers) there are provisions for escalation of the contract price according to mathematical formulae, if there are changes in costs of materials and supplies, European labor or Congolese labor.

All the contracts have mandatory completion dates, with penalties for failure to meet those dates. In several cases, the contract period had either expired or was very close to expiration by the beginning of July, 1960.

In all cases, the bids (including those portions representing foreign exchange costs) were stated in Congolese francs. The contracts contain a provision that the State will bear the cost of transfer of funds. Progress payments under the contracts are to be made monthly at the end of the month, covering both work done and materials and supplies on the spot but not yet used. Adjustments for escalation are made within 60 days thereafter. Payments are to be made through Banque Centrale du Congo Belge et du Ruanda Urundi at Leopoldville or through CCP/Brussels.

All contracts contain provisions requiring shipment of all materials in bottoms of Compagnie Maritime Belge, with penalties for shipment by any other line.

The contracting party appears to be the Ministre de la Defense Nationale, acting through the Commandant Superieur des Forces Metropolitaines en Afrique. All contracts are subject to published regulations of the Ministry of National Defense.

The file which I examined may not have been complete, but it contained no written evidence of the fact, mentioned in yesterday's meeting, that for the past two months all contractual payments were made in Belgian francs.

Attached is a summary of some pertinent facts about the contracts examined.

(signed)
Virginia M. Wheeler

Contract for 13 double houses for Congolese (in Kilubi)

Contractor: SOTECO

Contract price: 3,560,177 C.fr. Provision for escalation if supplies or labor costs increase

Contractual period: 8 months starting from November 25, 1959

Special provision: The Administration reserves the right to increase or decrease the number of houses.

Contractor's bond: 178,100 fr.

Contract for 56 double houses (Kamina) - for Congolese

Contractor: SAFRICAS

Price: original bid: 13,244,826 C.fr.

Change order Mar 20, 1960 added 187,434

Change order 21/05/60 added 157,838

Usual provisions for escalation.

Contractual period: 13 months from 16 December, 1959. Change order of March 21, 1960 added 7 days and change order of 21/05/60 added 5 days.

Contractor's bond: 662,300 fr.

Contract for 2 blocks of buildings for bachelors

Contractor: Originally GeDeVe, but ceded to Willaume

Price: original bid: 1,837,388

change order 28/01/60 added 19,771

Usual provisions for escalation

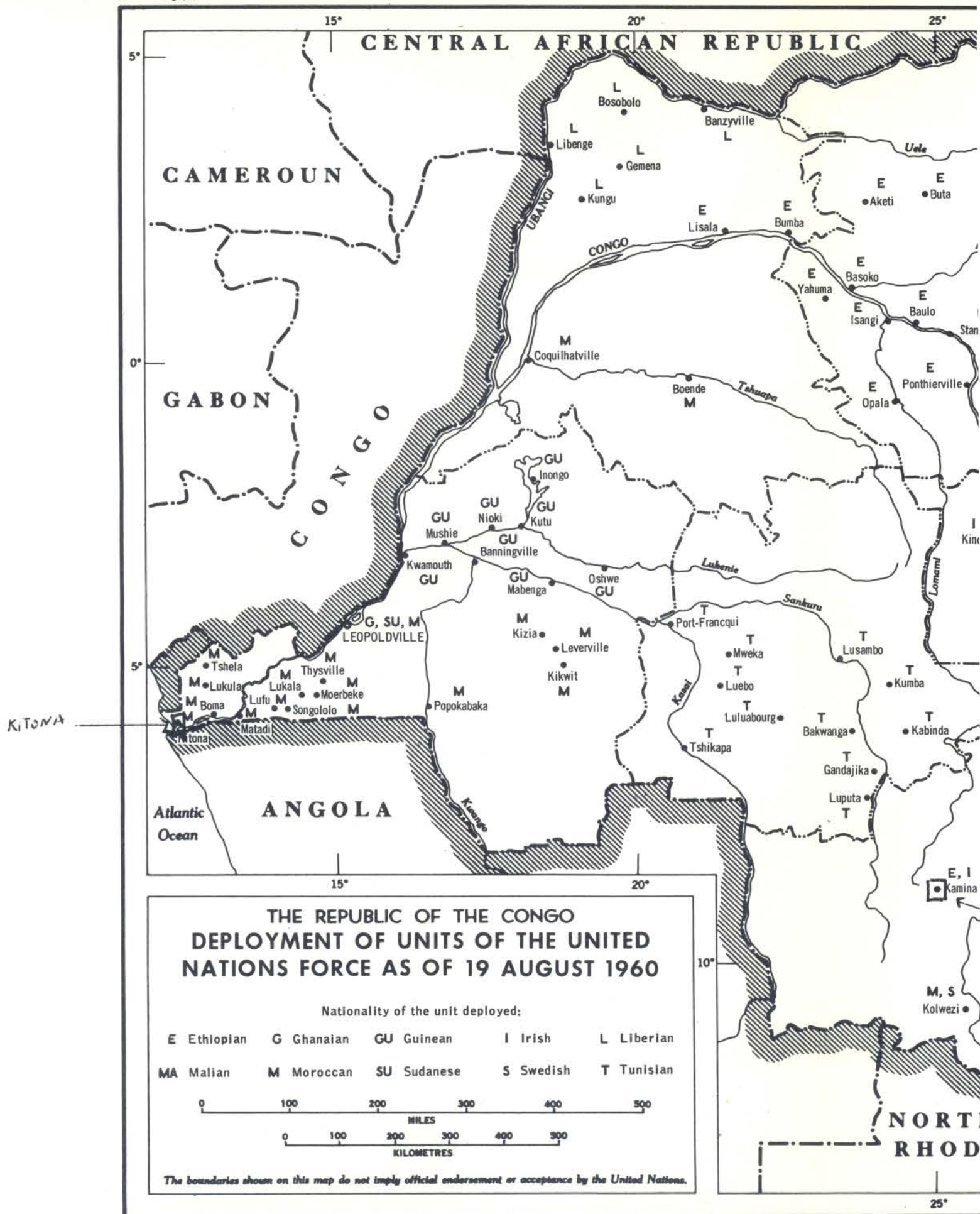
Contractual period: 10 months from November 3, 1959. Change order of 28/01/60 added 8 days.

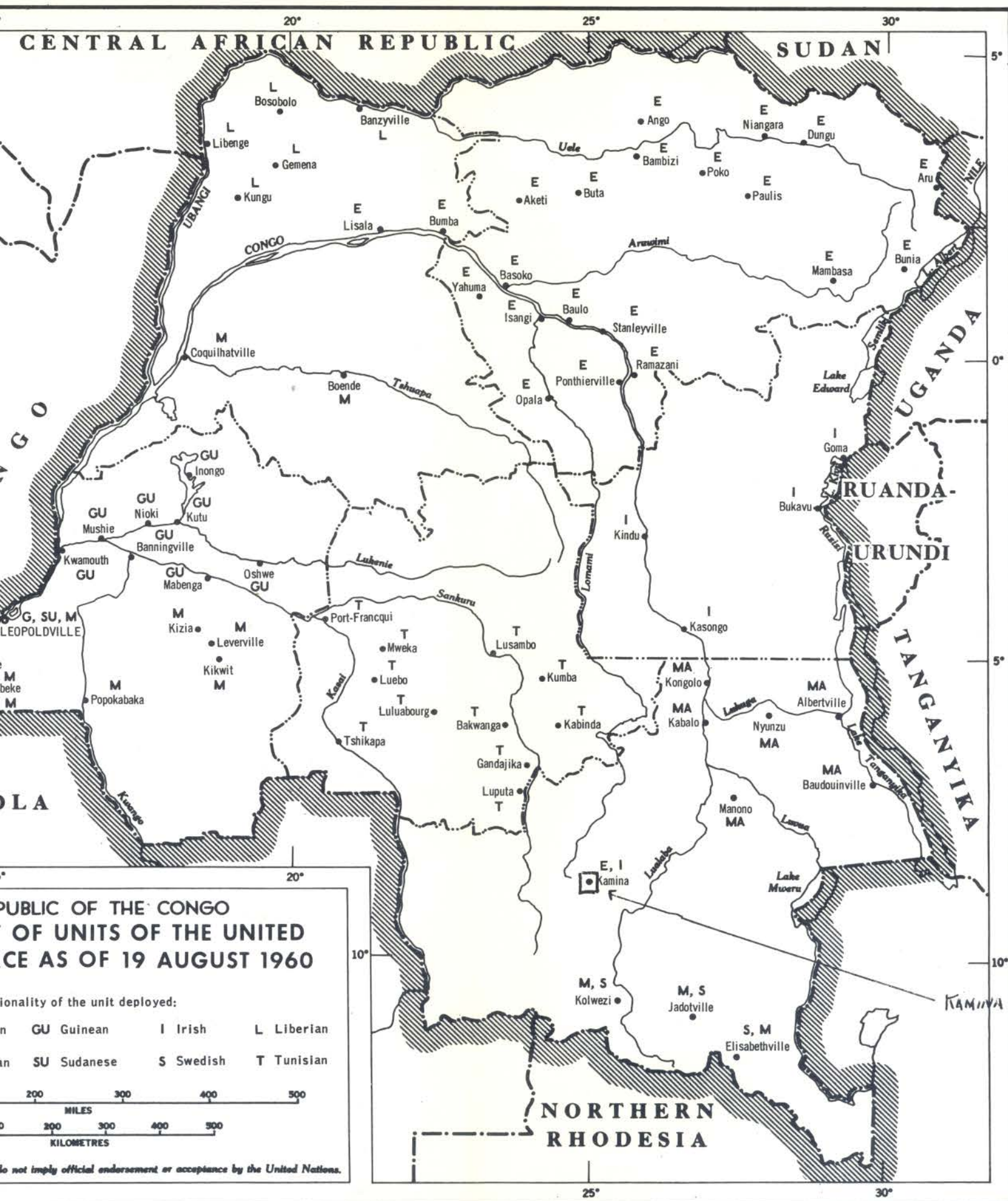
Contractor's bond: 91,900 fr.

ITEM NUMBER	DESCRIPTION	TRACTOR	INITIAL CONTRACT COST	COST OF REMAI 3 WORK	WORKERS EMPLOYED	LENGTH OF EMPLOYMENT (IN MONTHS)
(Annex 1)						
1	Cinema theatre	SOTECO	5.630.717	806.073	10	1
3	13 double houses for Congolese	SOTECO	3.564.177	1.491.933	70	4
4	56 double houses for Congolese	SAFRICAS	13,994.859	4.528.522	100	6
5	2 blocks of buildings for bachelors	WILLAUME	1.857.159	1.066.271	10	4
6	44 houses of type Force Public	SAFRICAS	25.542.716	13.066.377	150	7
8	School in home eco- nomics for Cong.girls	WILLAUME	2.854.548	2.482.748	30	8
9	Hangar for storage of aviation spare parts	SAFRICAS	2.523.094	1.556.129	50	4
10	Completion of building of hot water showers	WILLAUME	866.339	244.721	5	1
11	Remodel general ser- vice block	WILLAUME	231.810	231.810	15	6
12	Repair of floors in barracks	"	444.770	444.770		
13	Repair of floors in barracks	"	315.600	315.600		
14	Remodel aviation pilot school	"	602.252	602.252		
(Annex 2)						
4	Placing sewers	WILLAUME	1.170.000	1.170.000	30	3
5	Manufacturing sewer pipes	SAFRICAS	450.000	450.000	20	2
			60.048.041	28.457.206		
	30% increase in Congolese labor rate ordered by Cong. Central Gov't.(Labor costs are 15% total cost.)			1.350.000 29.807.206		
	Two sub-contractors for 3 prime contractors (Incl.in above)				60	8
	TOTAL			29.807.206	550	

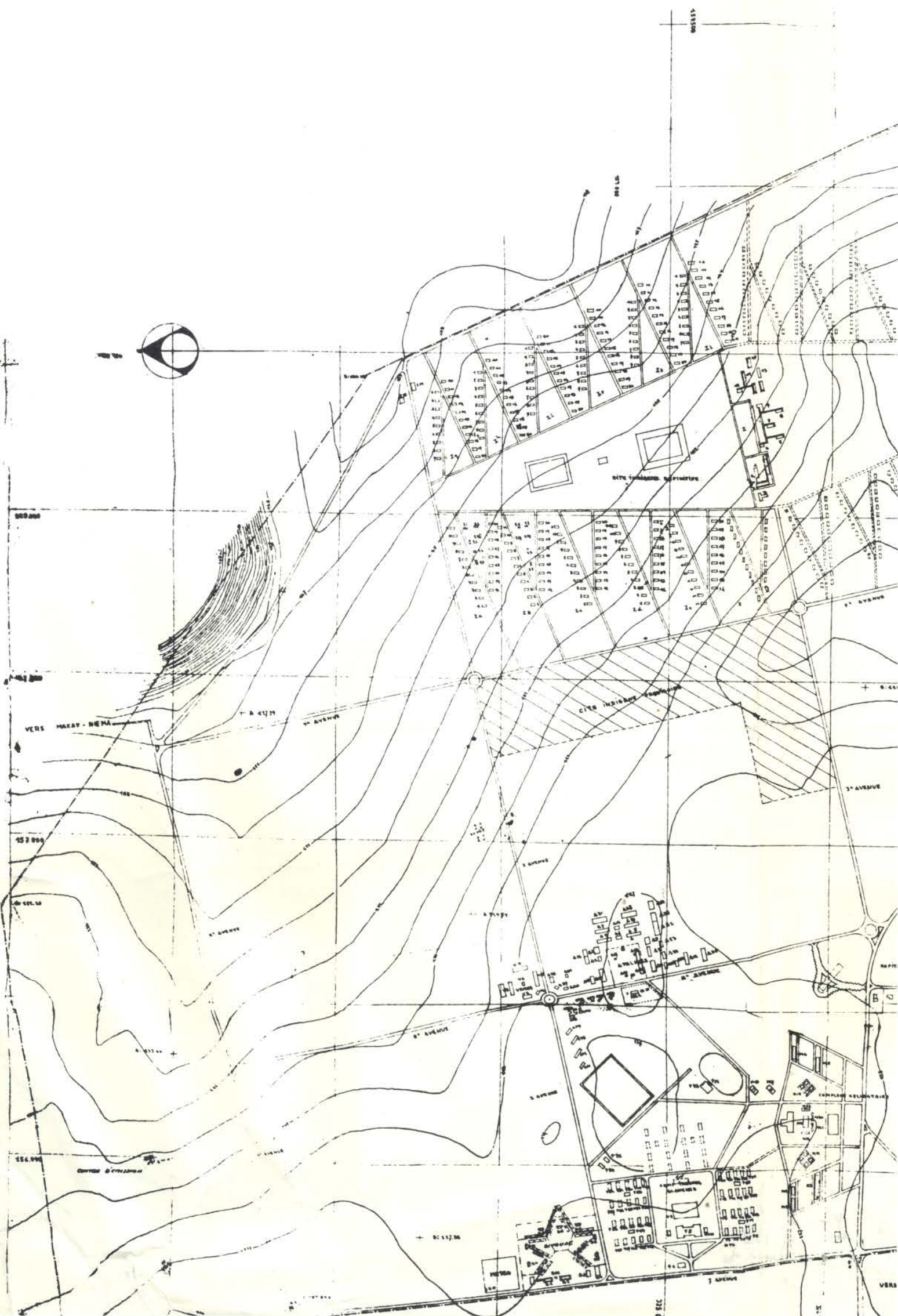
<u>DESCRIPTION</u>	<u>COST OF REMAINING WORK</u>	
TOTAL CARRIED FORWARD	29.807.206	
Water pipe, sewer siphons, electrical cable, etc., for which bids received from Belgium and awards made but cancelled. All items in Annex 2, items 1,2,3,6,7,8,9,10,11 (all hard currency)	2.244.408	
	<hr/> 32.051.614	
Contingencies= 6%	1.948.386	
GRAND TOTAL	<hr/> 34.000.000 frs.	550 Congolese workers

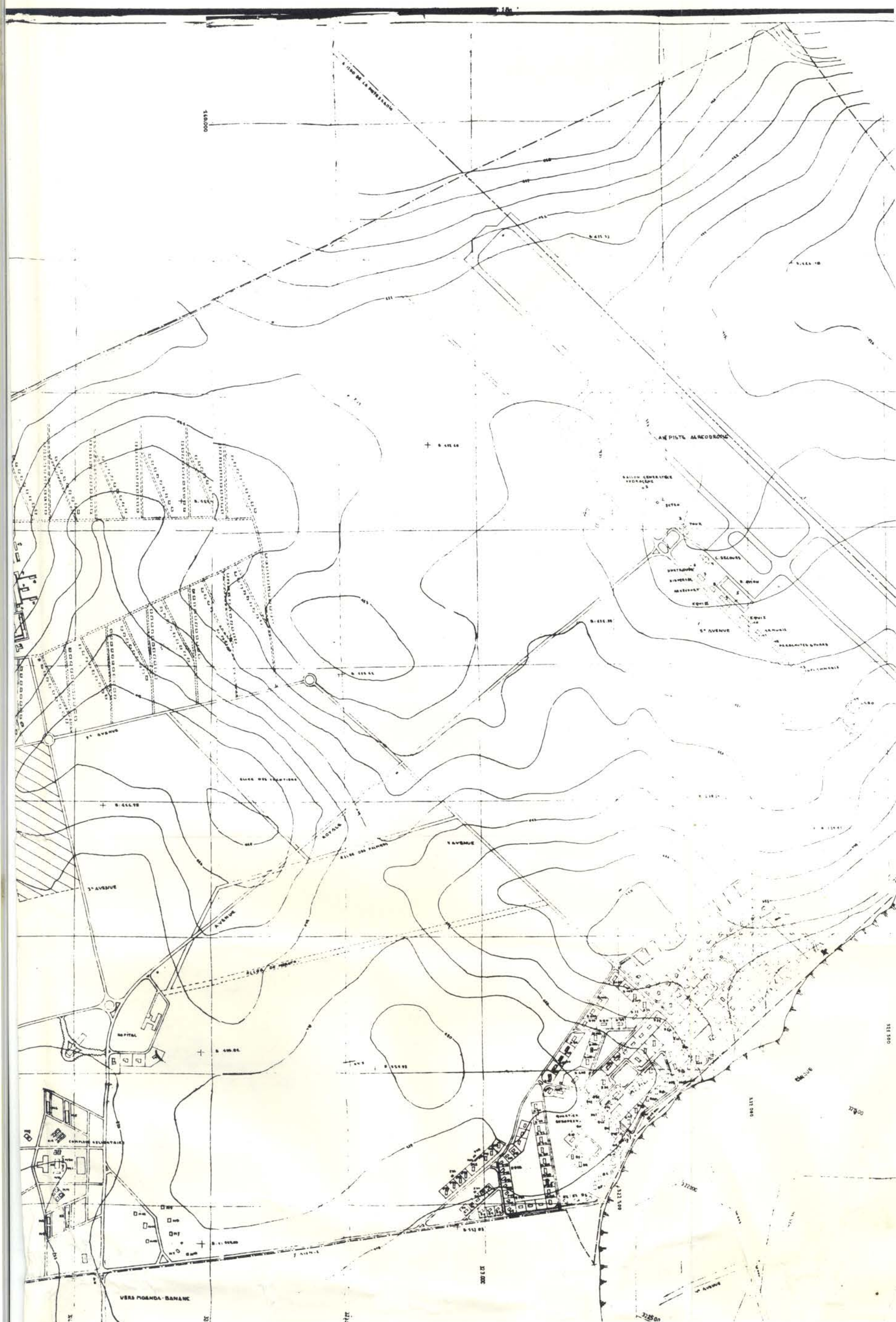
Note: Items are listed in Annex 1 and 2 of letter 3 Sept; 60 No.BT4824 from Commandant, Director of Belgium Technical Mission, Kamina Base.

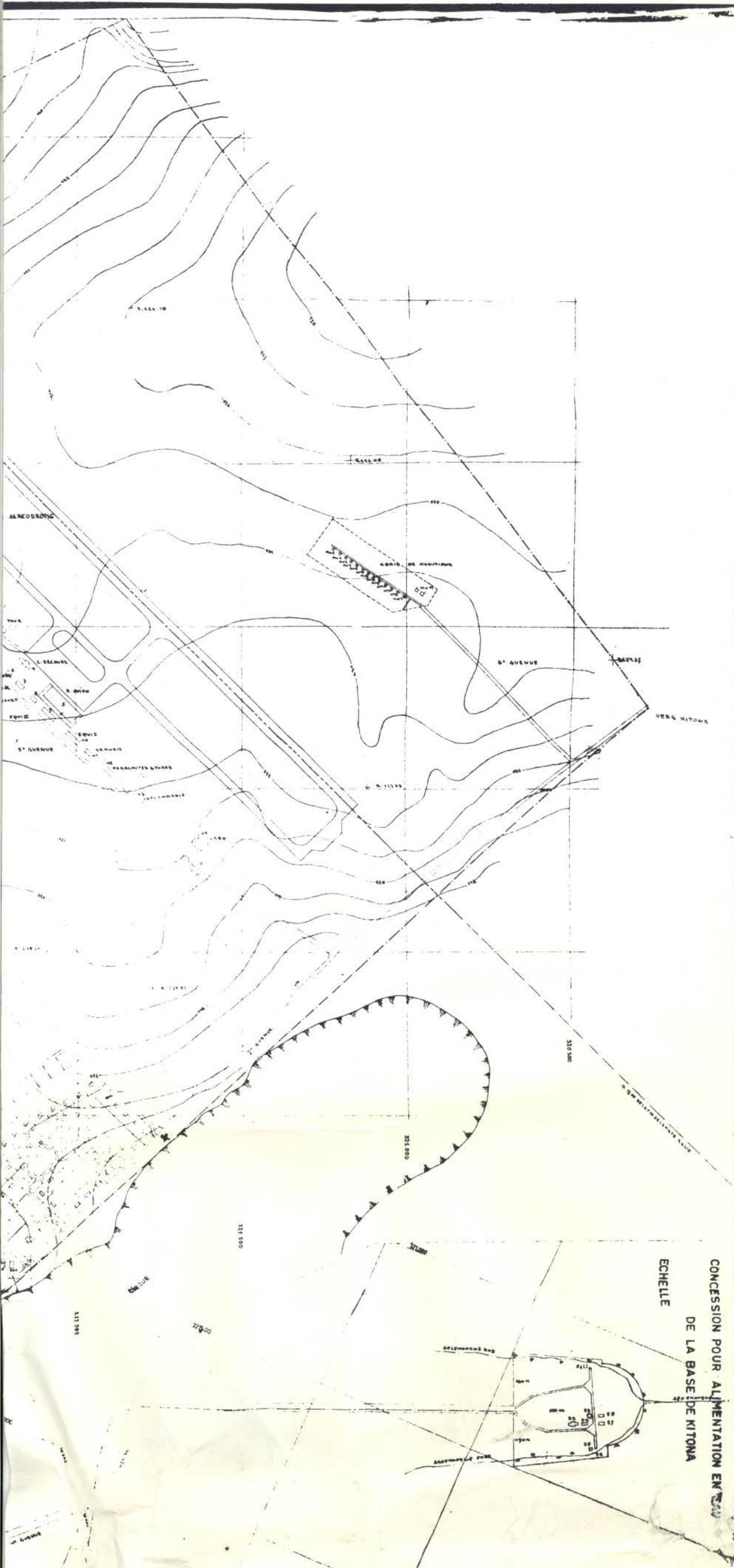




BASE DE KITONA
PLAN GENERAL







CONCESSION POUR ALIMENTATION EN EAU
DE LA BASE DE KITONA
Echelle