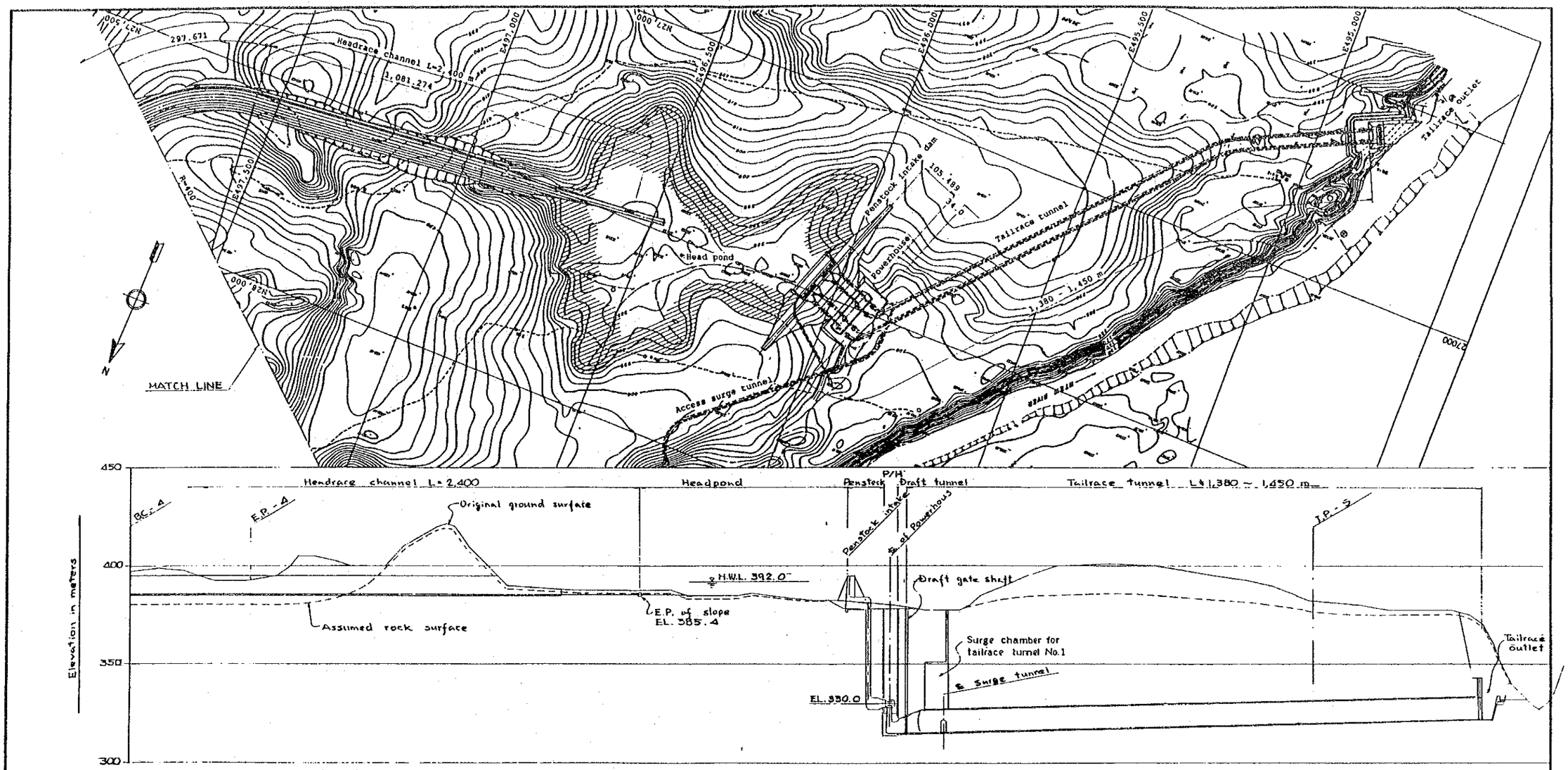


ORIGINAL GROUND HEIGHT (M)	398	397	403	412	400	388	387	385	383	381	377	395	401	398	391	381	378	351
FORMATION HEIGHT (M)	385.7	385.7	385.6	385.6	385.5	385.5	385.4											
ACCUMULATED DISTANCE (M)	1,400	1,600	1,800	2,000	2,200	2,400	2,600	2,800	3,000	3,200	3,400	3,600	3,800	4,000	4,200	4,400	4,600	4,800
DISTANCE (M)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
STATION NO. (M)	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48

SCALE A 0 500 m

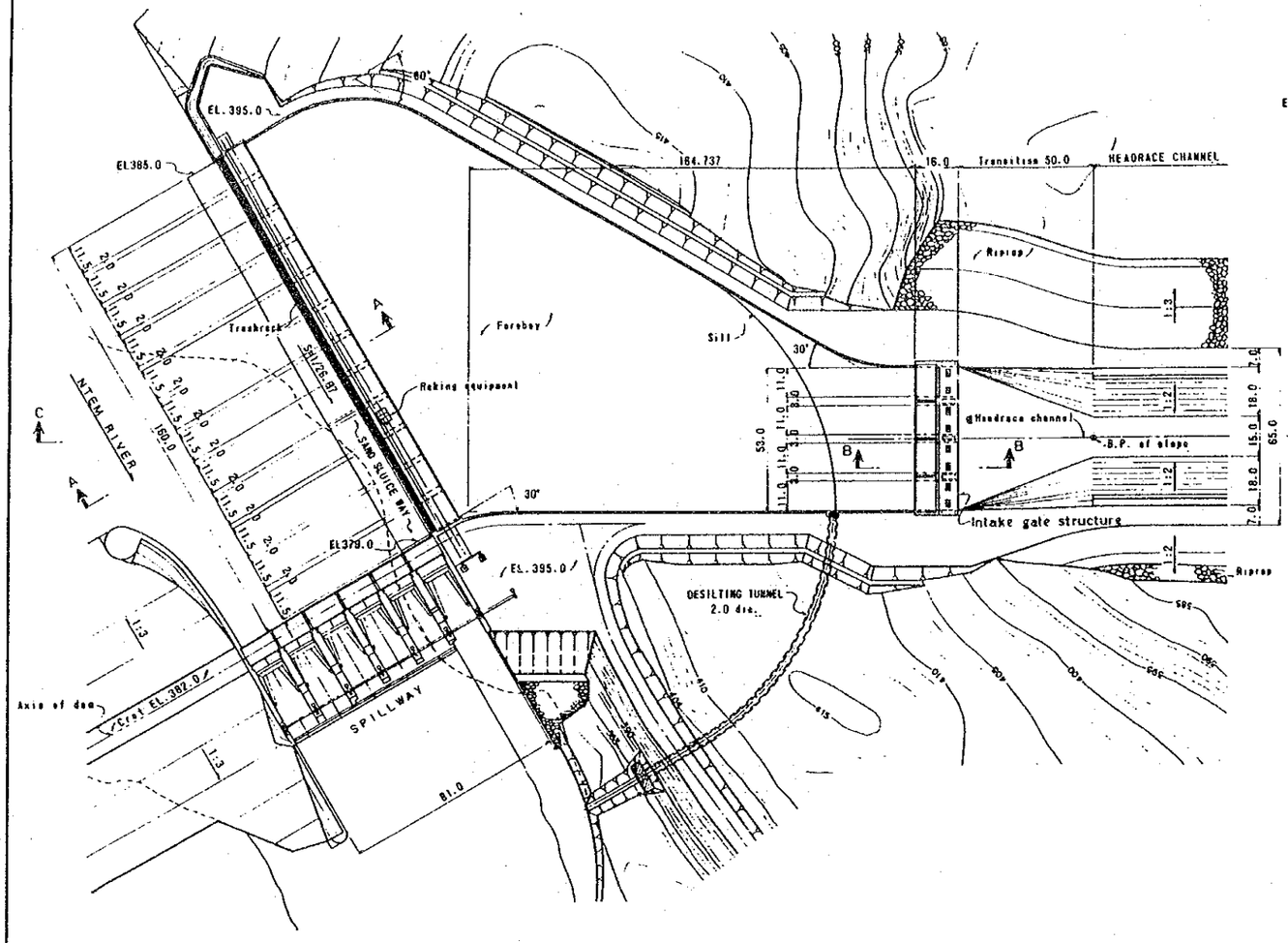
THE REPUBLIC OF CAMEROON
SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN

MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT

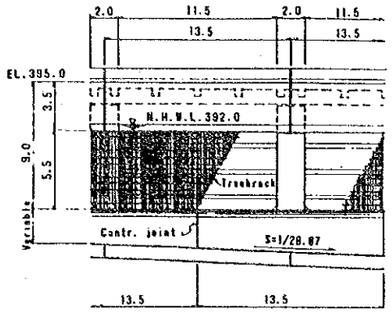
Fig. 22
WATERWAY, PLAN AND PROFILE (2)

DWG NO. 013

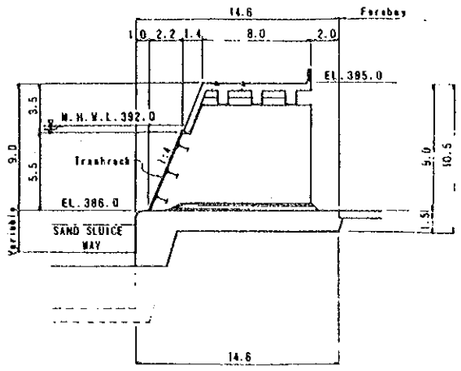
JAPAN INTERNATIONAL COOPERATION AGENCY



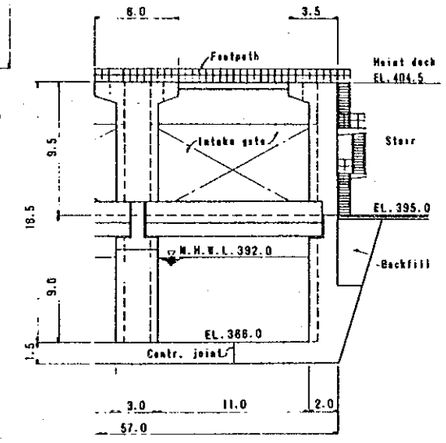
PLAN SCALE A



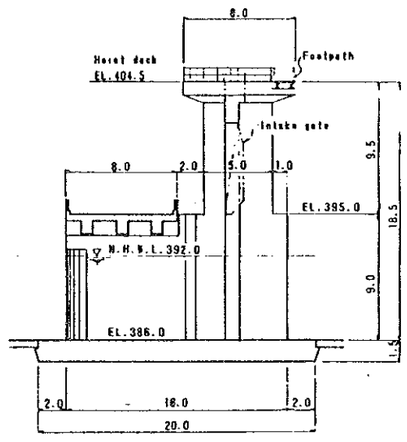
ELEVATION SCALE B



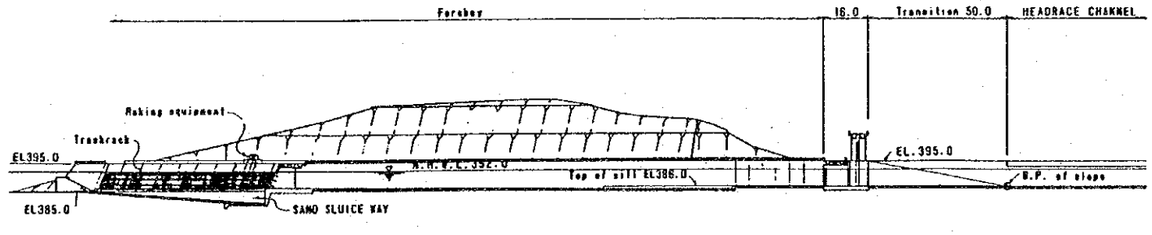
SECTION A—A SCALE B



ELEVATION SCALE B



SECTION B—B SCALE B



PROFILE (SECTION C-C) SCALE A

SCALE A 0 100m
SCALE B 0 20m

Fig. 23

THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	WATERWAY, INTAKE PLAN, PROFILE AND SECTIONS
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG. NO. 014 | JAPAN INTERNATIONAL COOPERATION AGENCY

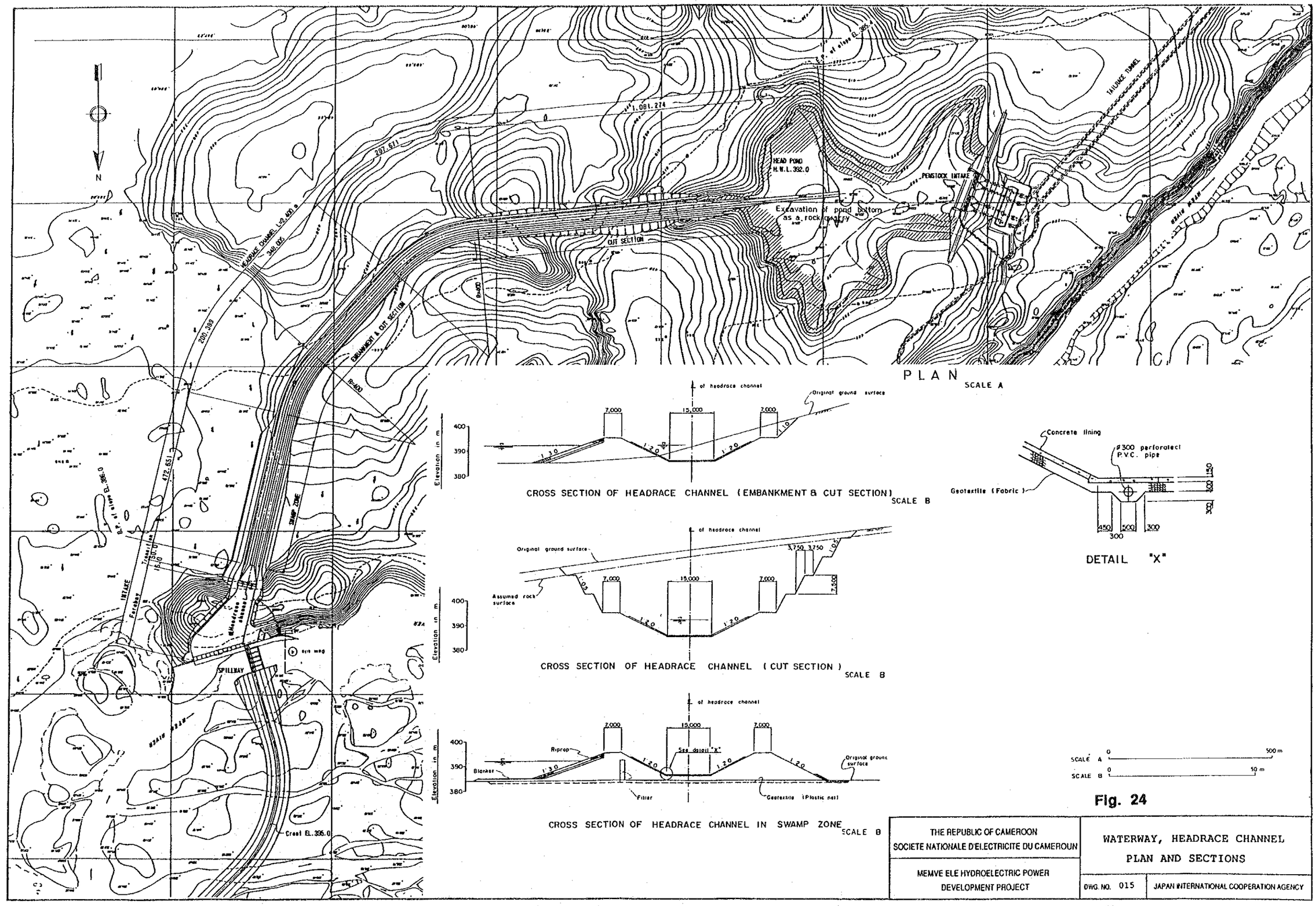
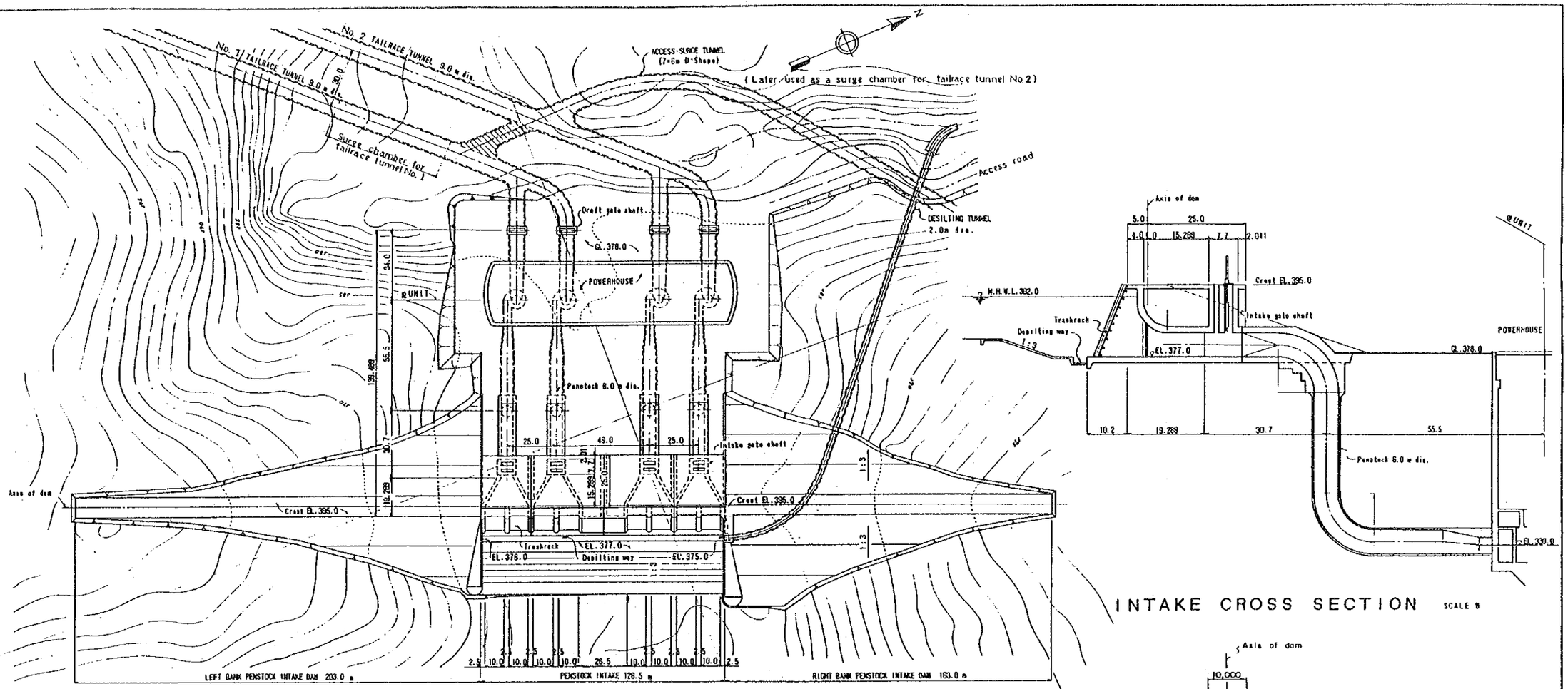


Fig. 24

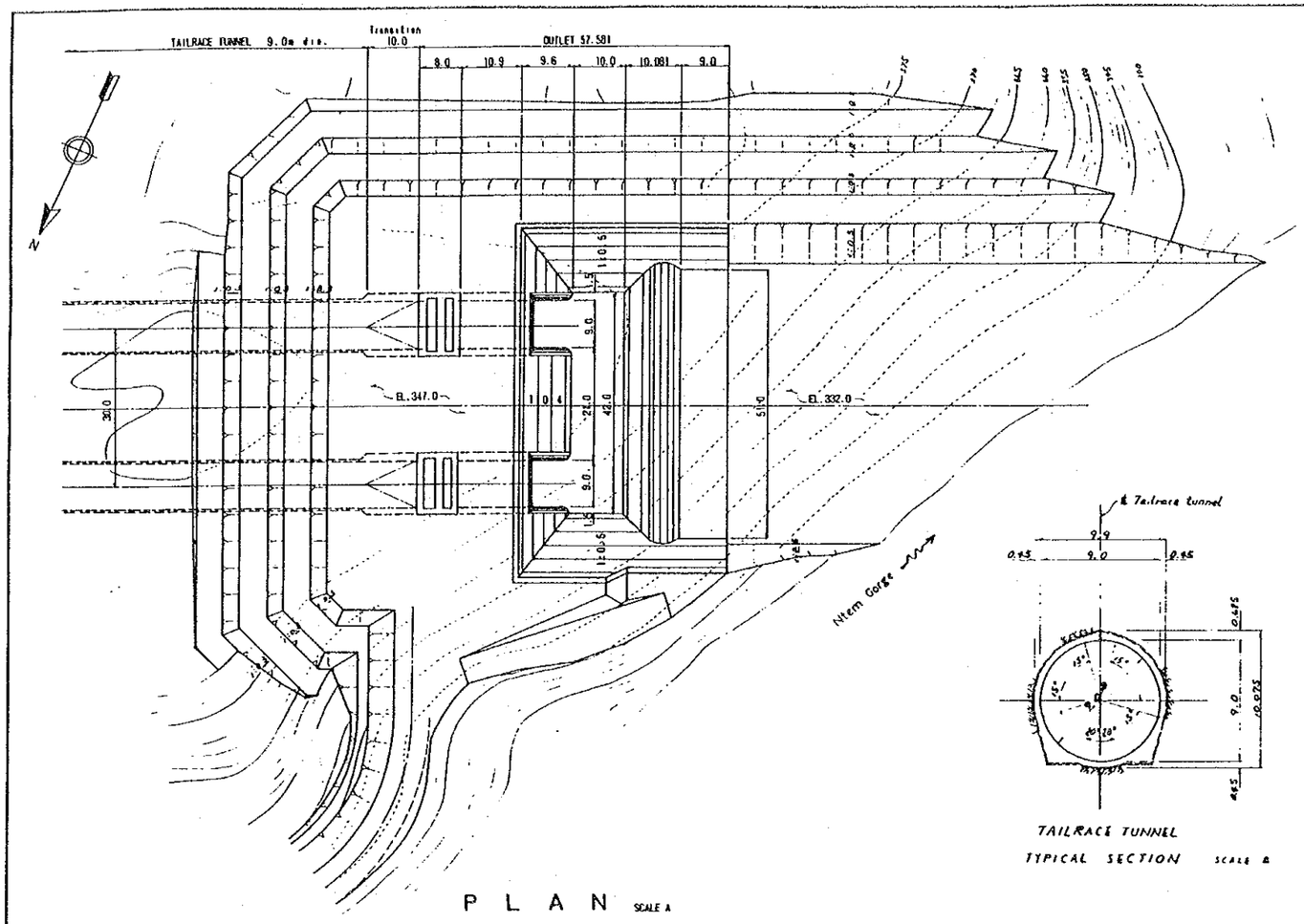
THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	WATERWAY, HEADRACE CHANNEL PLAN AND SECTIONS
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG. NO. 015 / JAPAN INTERNATIONAL COOPERATION AGENCY



Symbol	Description
①	Riprap
②	Transition
③	Filter
④	Impervious material
⑤	Rockfill

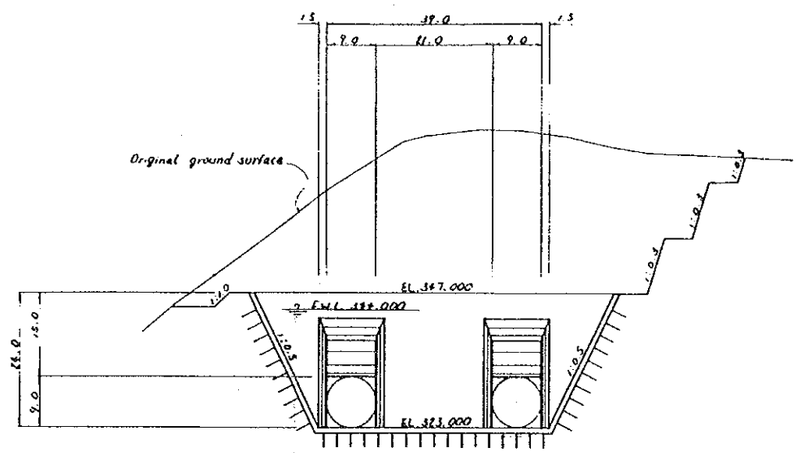
Fig. 25

THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	WATERWAY, PENSTOCK INTAKE DAM PLAN AND SECTIONS
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG. NO. 016 / JAPAN INTERNATIONAL COOPERATION AGENCY

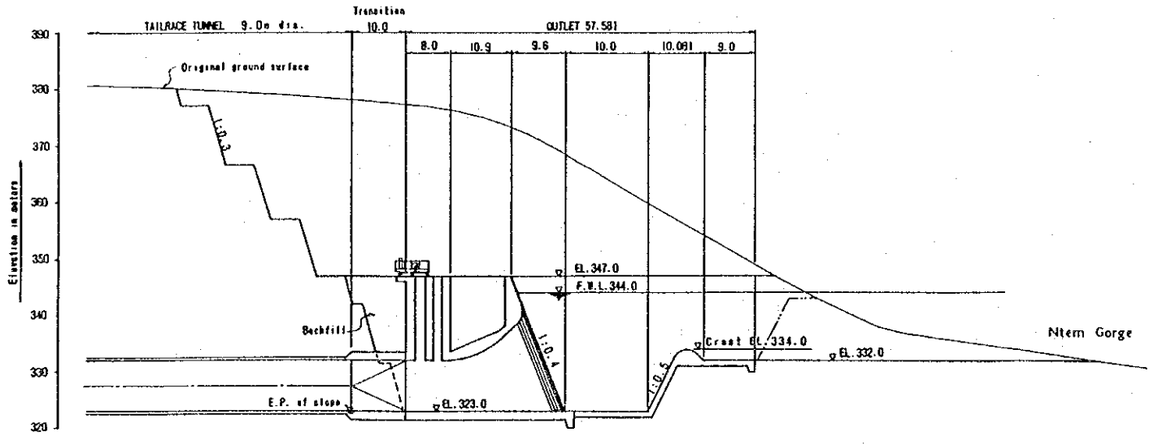


PLAN SCALE A

TAILRACE TUNNEL
TYPICAL SECTION SCALE B



ELEVATION SCALE A

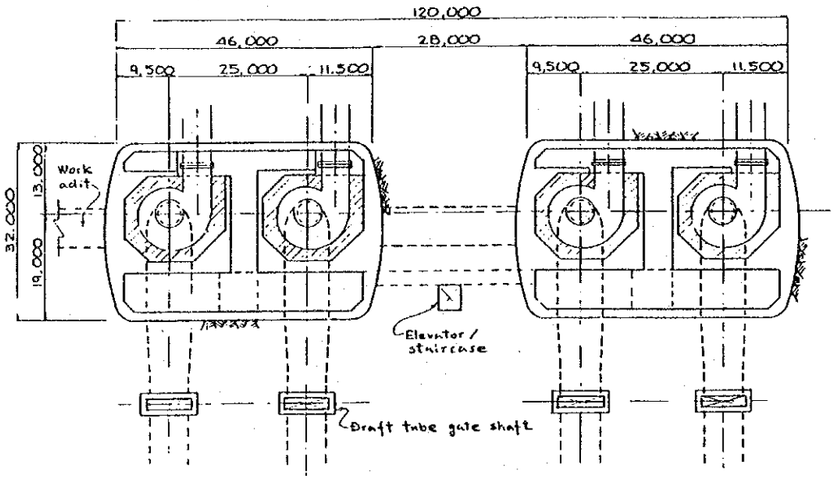


SCALE A 0 50m
SCALE B 0 20m

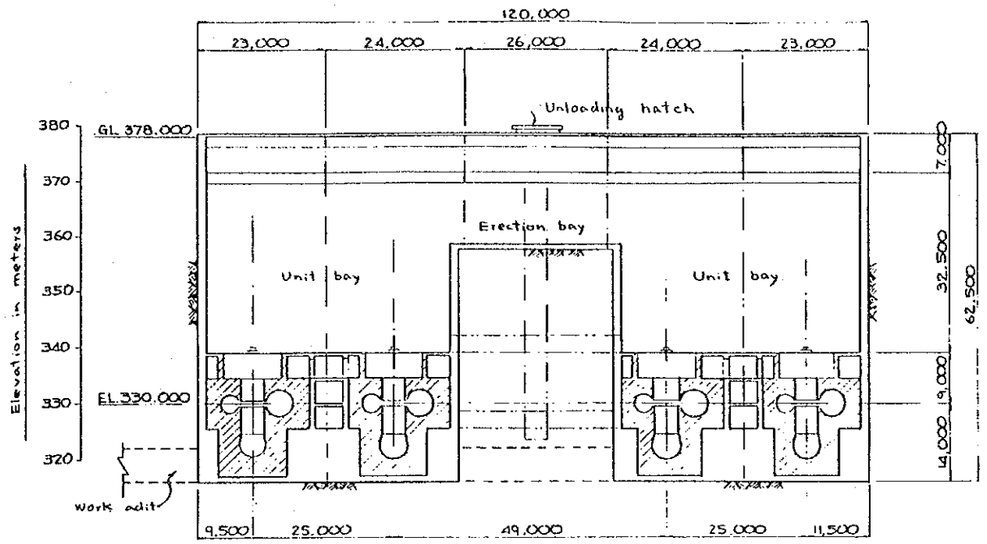
PROFILE SCALE A

Fig. 26

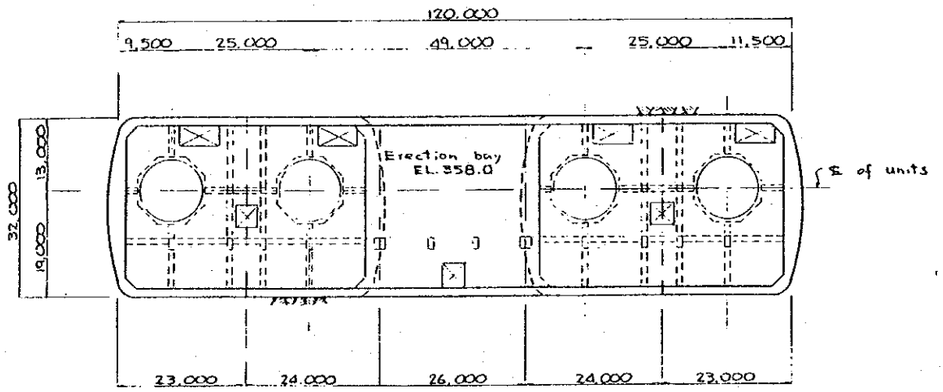
THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	WATERWAY, TAILRACE OUTLET PLAN AND SECTIONS
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG NO 017 | JAPAN INTERNATIONAL COOPERATION AGENCY



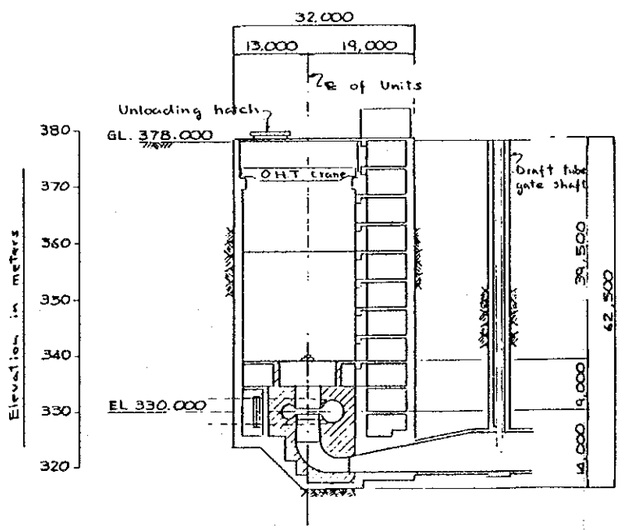
PLAN AT EL. 330.0



LONGITUDINAL SECTION



FLOOR PLAN AT EL. 358.0

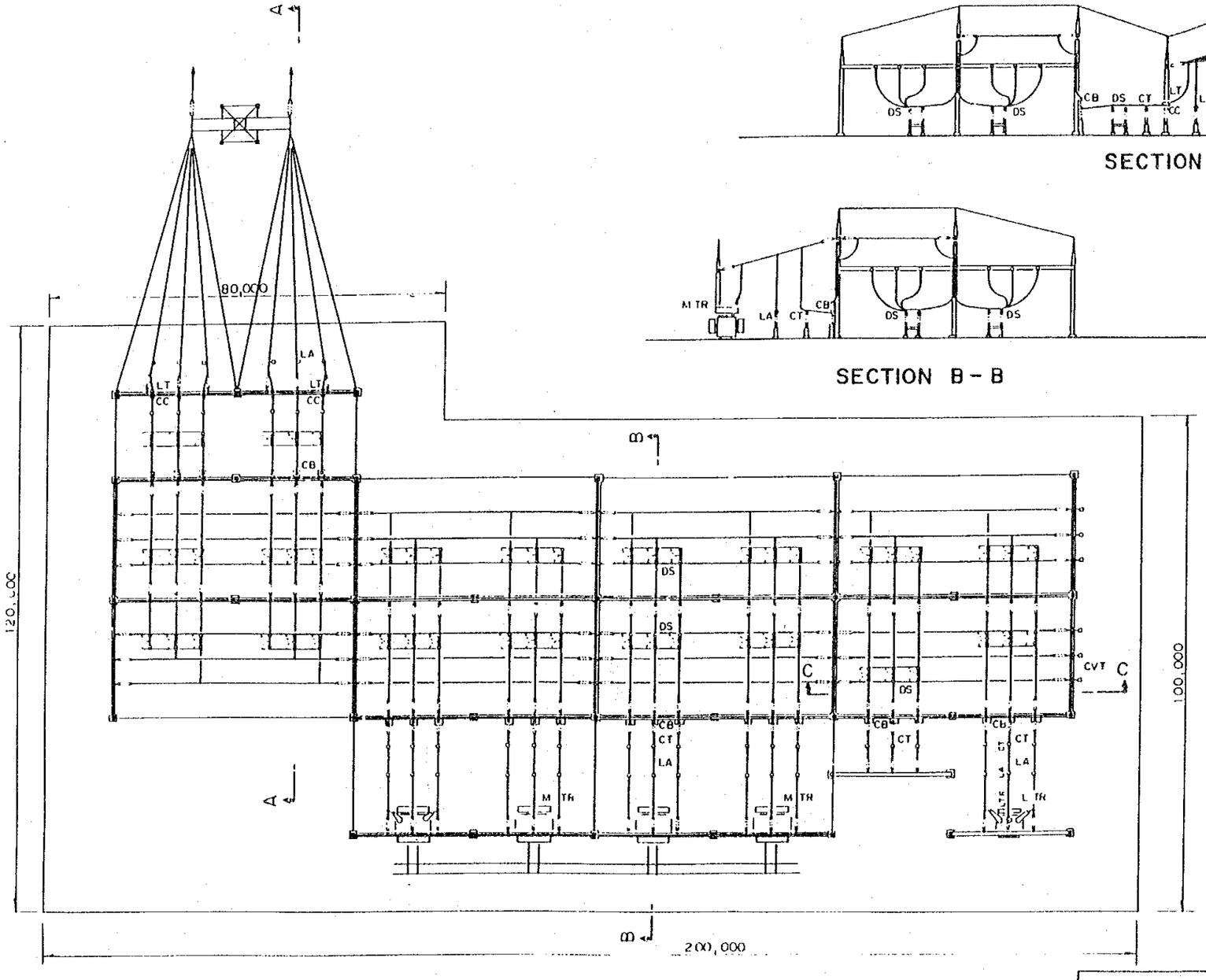


TRANSVERSE SECTION

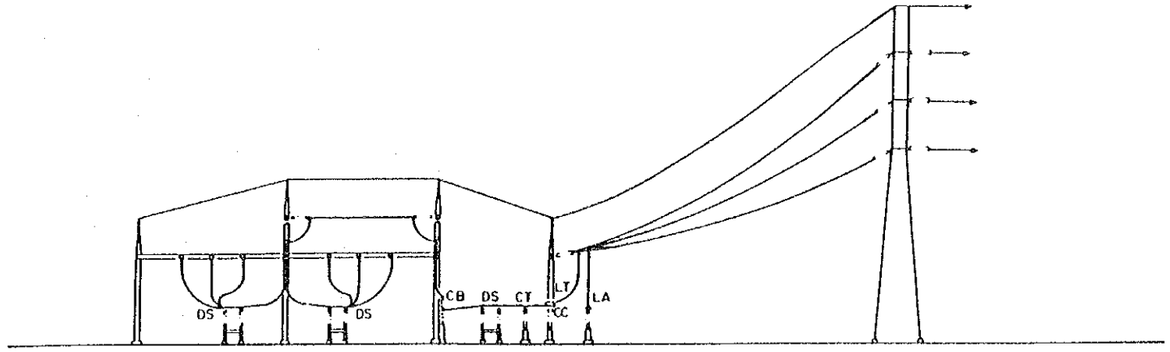
SCALE 0 50 m

Fig. 27

THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	POWER STATION, POWERHOUSE PLAN, PROFILE AND SECTIONS
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG NO. 018 — JAPAN INTERNATIONAL COOPERATION AGENCY

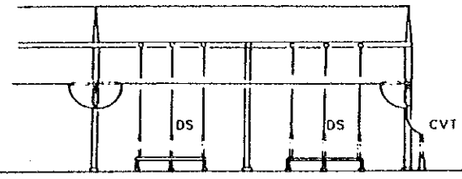


PLAN



SECTION A-A

SECTION B-B



SECTION C-C

SCALE 0 40 m

LEGEND

CB	:	Circuit Breaker
CC	:	Coupling Capacitor
CT	:	Current Transformer
CVT	:	Capacitor voltage Transformer
DS	:	Disconnecting Switch
LA	:	Lightning Arrester
LT	:	Line Trap
M.TR	:	Main Transformer

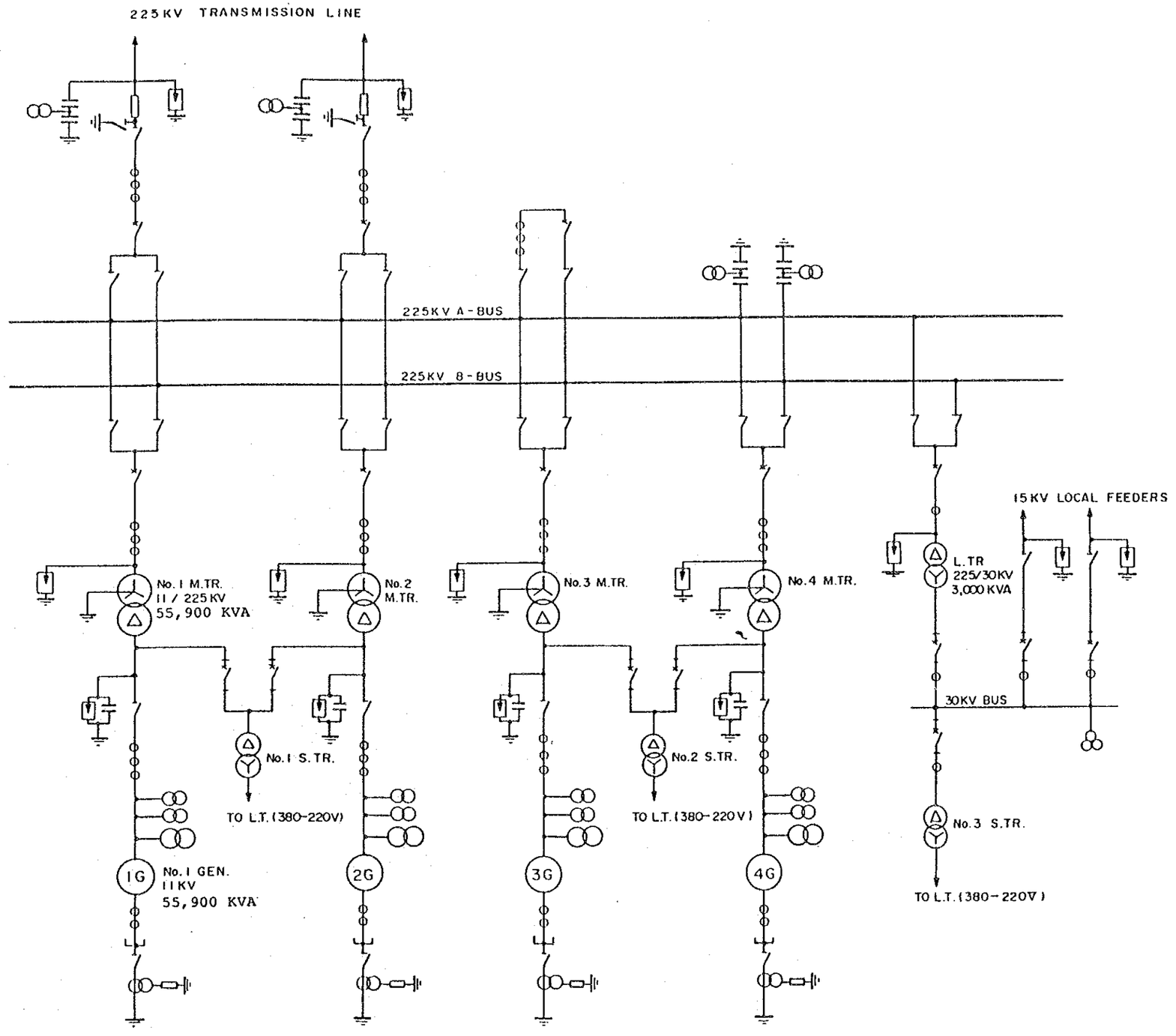
THE REPUBLIC OF CAMEROON
SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN

MEMVE'ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT

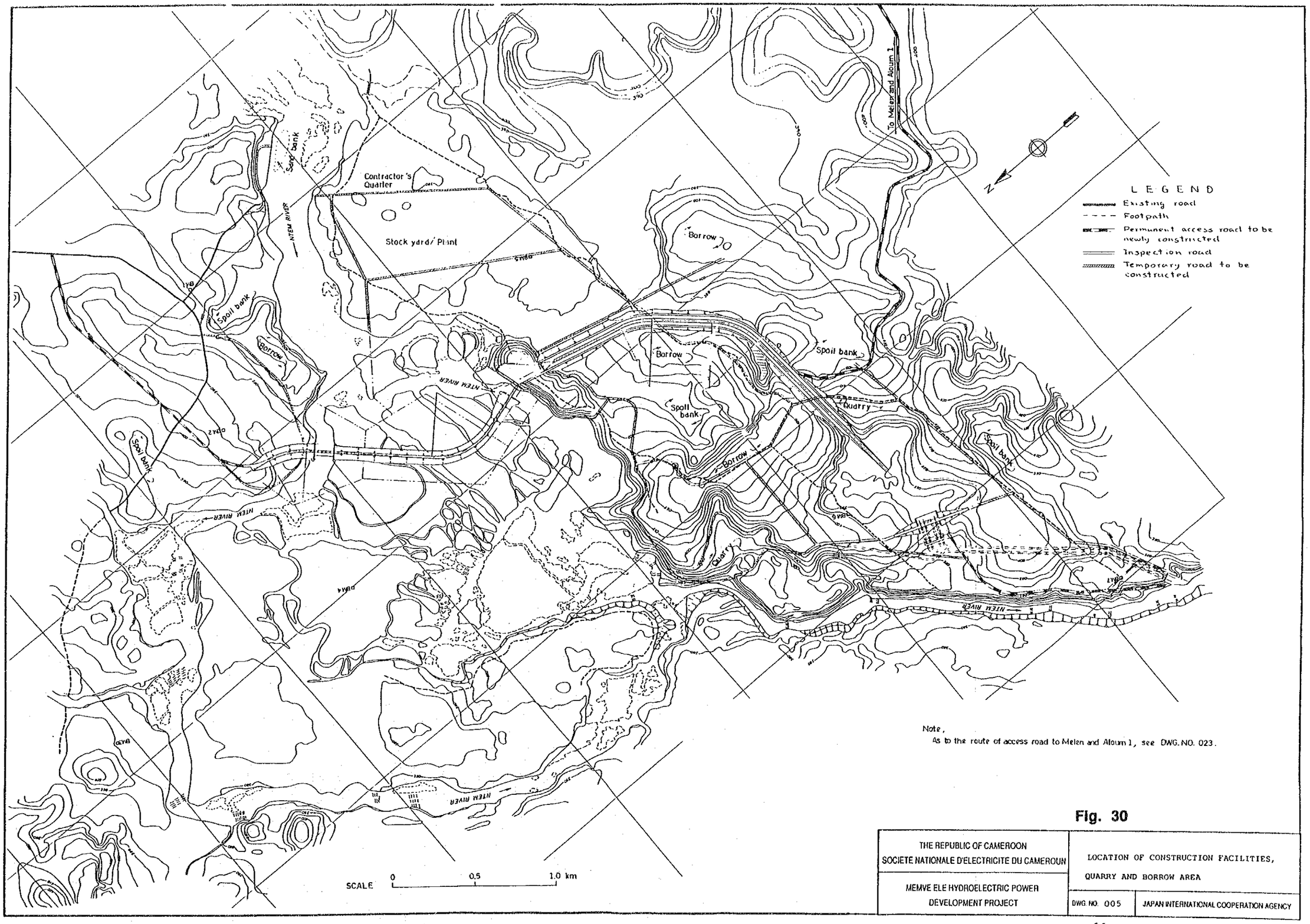
Fig. 28
POWER STATION
OUTDOOR SWITCHYARD

DWG NO 019

JAPAN INTERNATIONAL COOPERATION AGENCY



THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	**Fig. 29** SINGLE LINE DIAGRAM
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG NO 020 — JAPAN INTERNATIONAL COOPERATION AGENCY

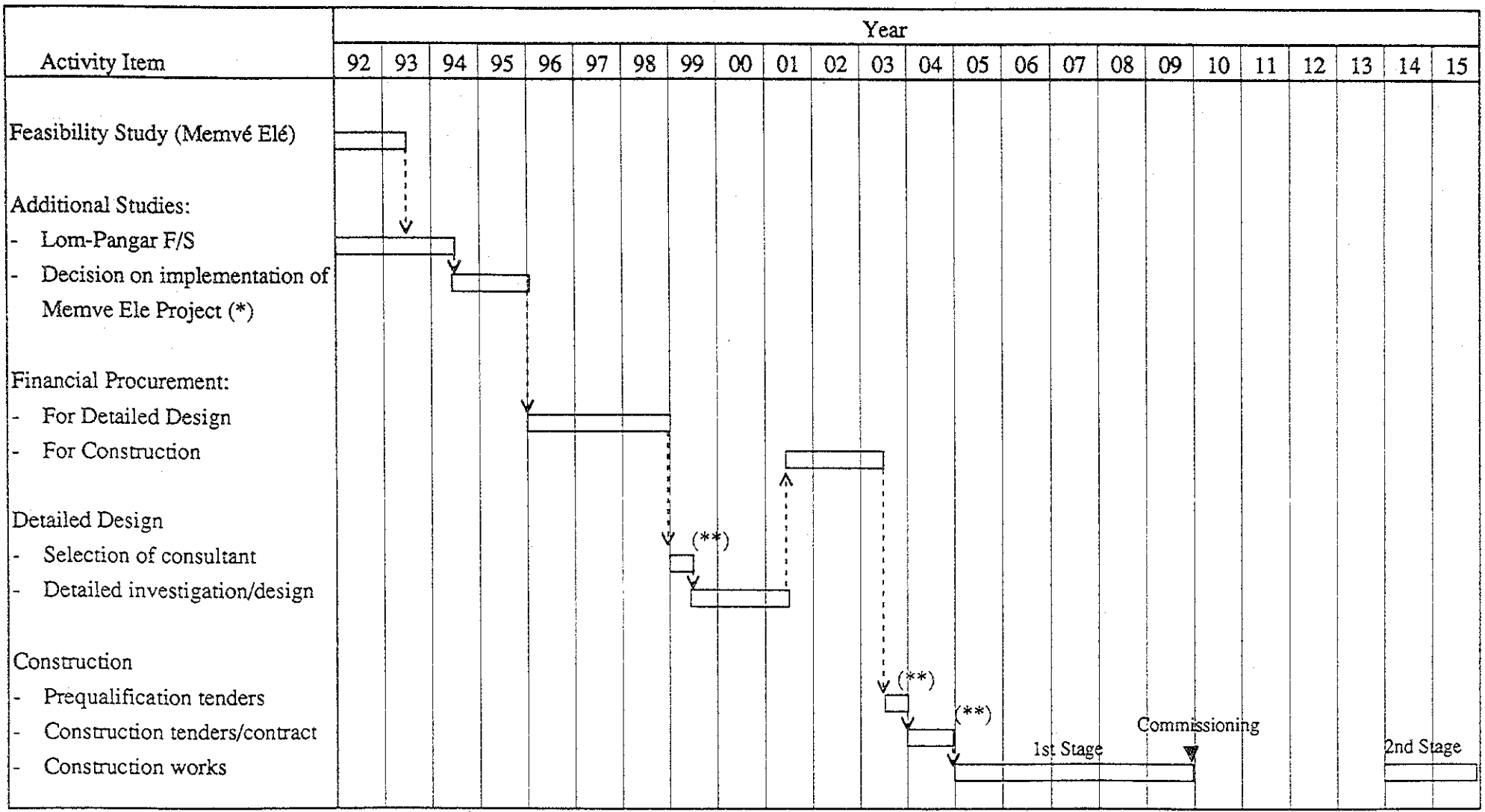


Note,
As to the route of access road to Melen and Aloum 1, see DWG. NO. 023.

Fig. 30

THE REPUBLIC OF CAMEROON SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN	LOCATION OF CONSTRUCTION FACILITIES, QUARRY AND BORROW AREA
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT	DWG. NO. 005 / JAPAN INTERNATIONAL COOPERATION AGENCY

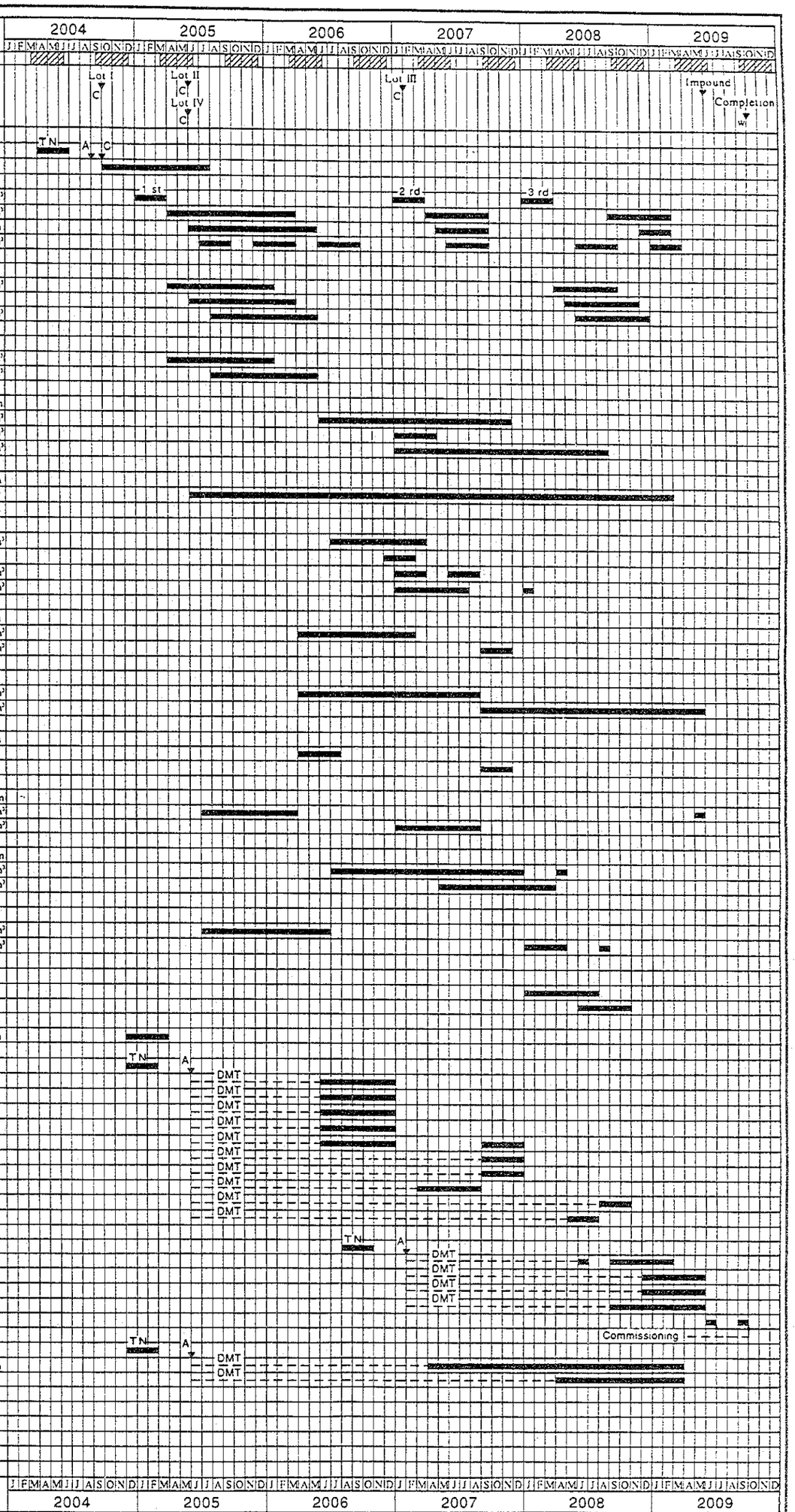
Fig. 31 Overall Implementation Schedule



(*) whatever the implementation of Nachtigal Project comes first, decision on Memvé Elé is required

(**) including tender, evaluation and contract

Contract Package	Works	Q'ty
	Wet Season	
Lot I	Contractural Process	
Civil Works	Preparatory Works	
	Dam	
	River diversion	72,000 m³
	Excavation	454,000 m³
	Foundation treat.	5,400 m
	Embankment	884,000 m³
	Spillway	
	Excavation	23,000 m³
	Foundation trent	
	Concrete	90,400 m³
	Intake	
	Excavation	644,000 m³
	Concrete	39,000 m³
	Headrace Channel	L = 2.5 km
	Excavation	1,193,000 m³
	Embankment	353,000 m³
	Concrete	26,000 m³
	Head Pond(Rock Quarry)	A = 60 ha
	Excavation	
	Penstock Intake/Dam	
	Excavation	176,000 m³
	Foundation treat.	
	Embankment	162,000 m³
	Concrete	41,000 m³
	Penstock Line	L = 95 m
	Excavation	21,000 m³
	Concrete	3,500 m³
	Powerhouse	
	Excavation	233,000 m³
	Concrete	54,000 m³
	Draft Tunnel	L = 40 m
	Excavation	
	Concrete	
	Access/Surge Tunnel	L = 770 m
	Excavation	47,000 m³
	Concrete	54,000 m³
	Tailrace Tunnel	L=1,350m
	Excavation	264,000 m³
	Concrete	52,000 m³
	Tailrace Outlet	
	Excavation	268,000 m³
	Concrete	16,000 m³
	Switchyard	
	Excavation	
	Concrete	
	Access Road	L = 4 km
Lot II	Contractural Process	
Hydro-mechanical Works	Spillway Gates	5 sets
	Sand Flush Gates	1 sets
	Intake Trashracks	12 sets
	Intake Gates	4 sets
	Scoure Valve	1 sets
	Penstock Intake Trash	8 sets
	Penstock Intake Gates	4 sets
	Penstock	4 lanes
	Draft Tube Gate	1 sets
	Tailrace Outlet Gates	2 sets
Lot III	Contractural Process	
Generating Equip.	Turbines	2 units
	Generators	2 units
	Transformers	2 units
	Switchgears, etc	
	Test	
Lot IV	Contractral Process	
Trans-mission Line and Substation Equip.	Transmission Line	285 km
	Substation Equip.	
Contract Package	Works	Q'ty



SYMBOL

- T N — Tendering
- A ▼ — Award of Contract
- C ▼ — Commencement of work
- W ▼ — Completion of work
- _DMT_ — Design, manufacturing & transportaion

THE REPUBLIC OF CAMEROON
SOCIETE NATIONALE D'ELECTRICITE DU CAMEROUN
MEMVE ELE HYDROELECTRIC POWER DEVELOPMENT PROJECT

Fig. 32 CONSTRUCTION TIME SCHEDULE

DWG.NO. 008

JAPAN INTERNATIONAL COOPERATION AGENCY