

SAPT KOSI	
CA (km ²)	61,000
P (MW)	3,489
Q (m ³ /s)	2,500
H (m)	170.5

His Majesty's Government of NEPAL
 Electricity Department

**KOSI RIVER
 WATER RESOURCES DEVELOPMENT**

SAPT KOSI

MARCH 1985
 SCALE 1:50,000

LONGITUD

ARUN

ELV (ft)

4 500

4 000

3 500

3 000

2 500

4,200

ARUN NO. 6	
CA(km ²)	31,398
P (MW)	238
Q (m ³ /s)	151
H (m)	198

3,550

ARUN NO. 5	
CA(km ²)	31,974
P (MW)	202
Q (m ³ /s)	153
H (m)	168

3,000

ARUN NO. 4	
CA(km ²)	32,023
P (MW)	120
Q (m ³ /s)	154
H (m)	104

2,657

ARUN NO. 3	
CA(km ²)	32,332
P (MW)	240
Q (m ³ /s)	156

LONGITUDINAL SECTION

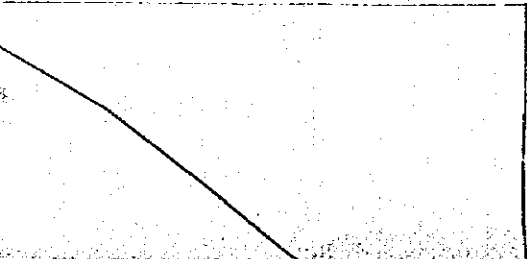
of

ARUN KHOLA

ARUN NO. 4

CA(km ²)	32,023
P (MW)	120
Q (m ³ /s)	154
H (m)	104

2,657



ARUN NO. 3

CA(km ²)	32,332
P (MW)	240
Q (m ³ /s)	156

SECTION

A

ELV. (ft)

4 500

4 000

3 500

3 000

2 500

ARUN NO 3	
CA(km ²)	32,332
P (MW)	240
Q (m ³ /s)	156
H (m)	194

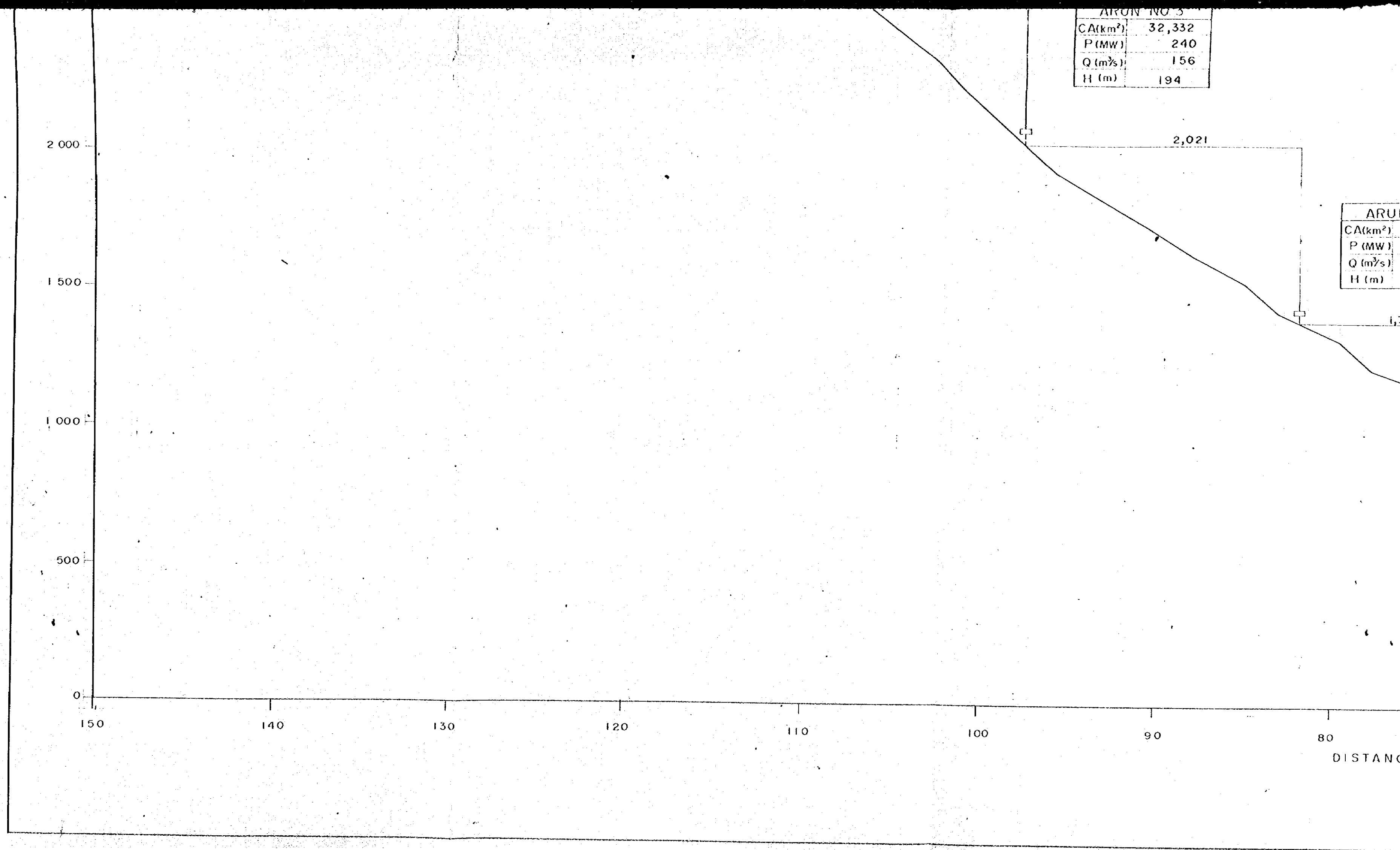
ARUN NO 3	
CA(km ²)	
P (MW)	
Q (m ³ /s)	
H (m)	

2 000
1 500
1 000
500
0

150 140 130 120 110 100 90 80

DISTANCE

2,021



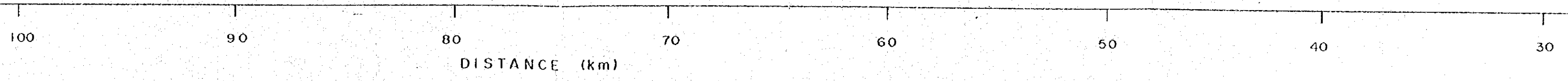
CA(km ²)	32,332
P(MW)	240
Q(m ³ /s)	156
H(m)	194

ARUN NO.2	
CA(km ²)	32,881
P(MW)	239
Q(m ³ /s)	160
H(m)	196

ARUN NO.1	
CA(km ²)	32,998
P(MW)	146
Q(m ³ /s)	180
H(m)	109

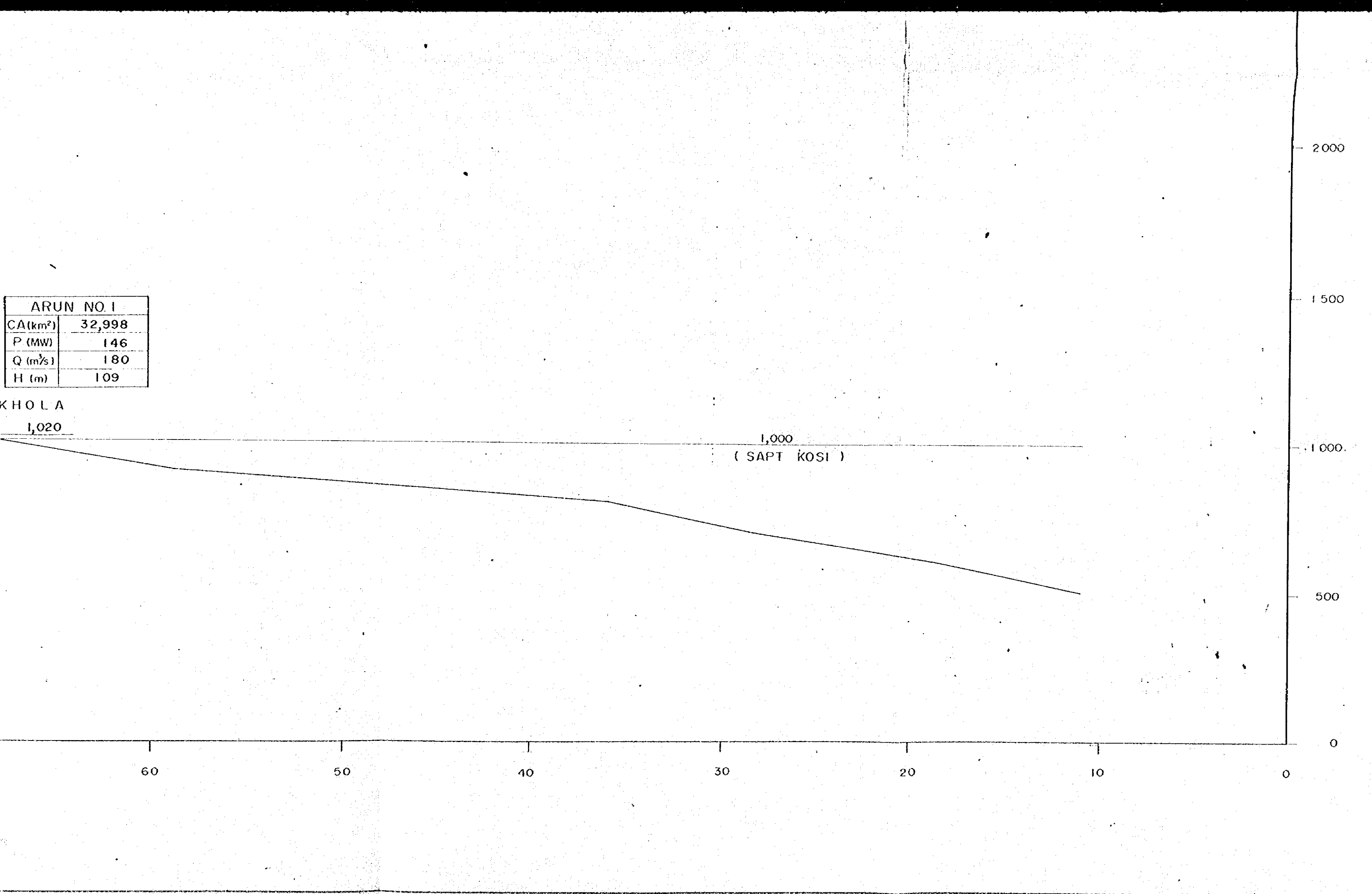
ARUN KHOLA
1,020

1,000
(SAPT KOSI)



ARUN NO. I	
CA(km ²)	32,998
P (MW)	146
Q (m ³ /s)	180
H (m)	109

KHOLA
1,020



LONGITUD

TAMA

ELV.(ft)

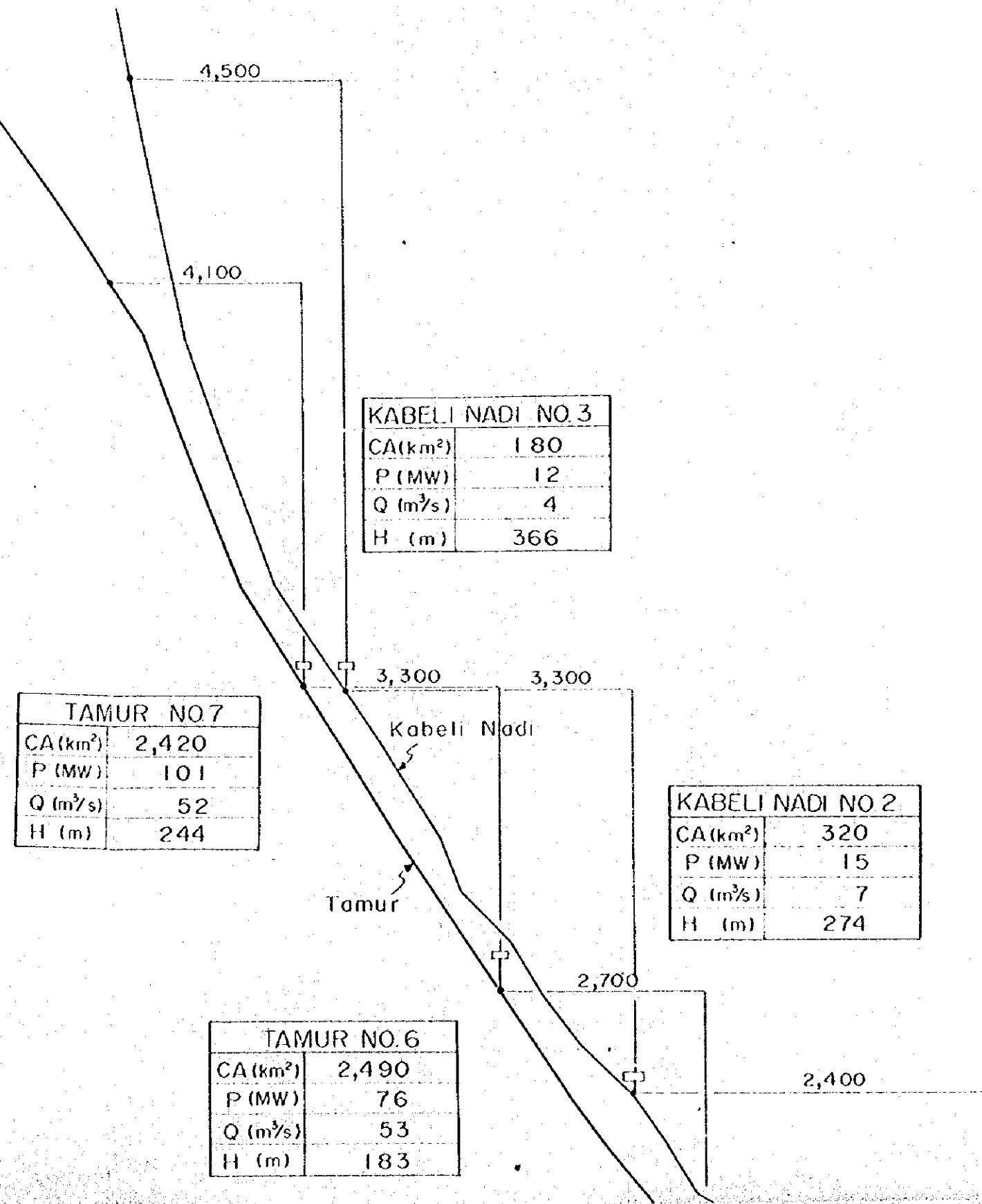
4 5 0 0

4 0 0 0

3 5 0 0

3 0 0 0

2 5 0 0



LONGITUDINAL SECTION

of

TAMAR RIVER

KABELI NADI NO 2	
m ²	320
(W)	15
(s)	7
m)	274

2,400

KABELI NADI NO 1	
CA (km ²)	580
P (mm)	15

SECTION

ER

ELV.(ft)

4 500

4 000

3 500

3 000

2 500

Q (m ³ /s)	53
H (m)	183

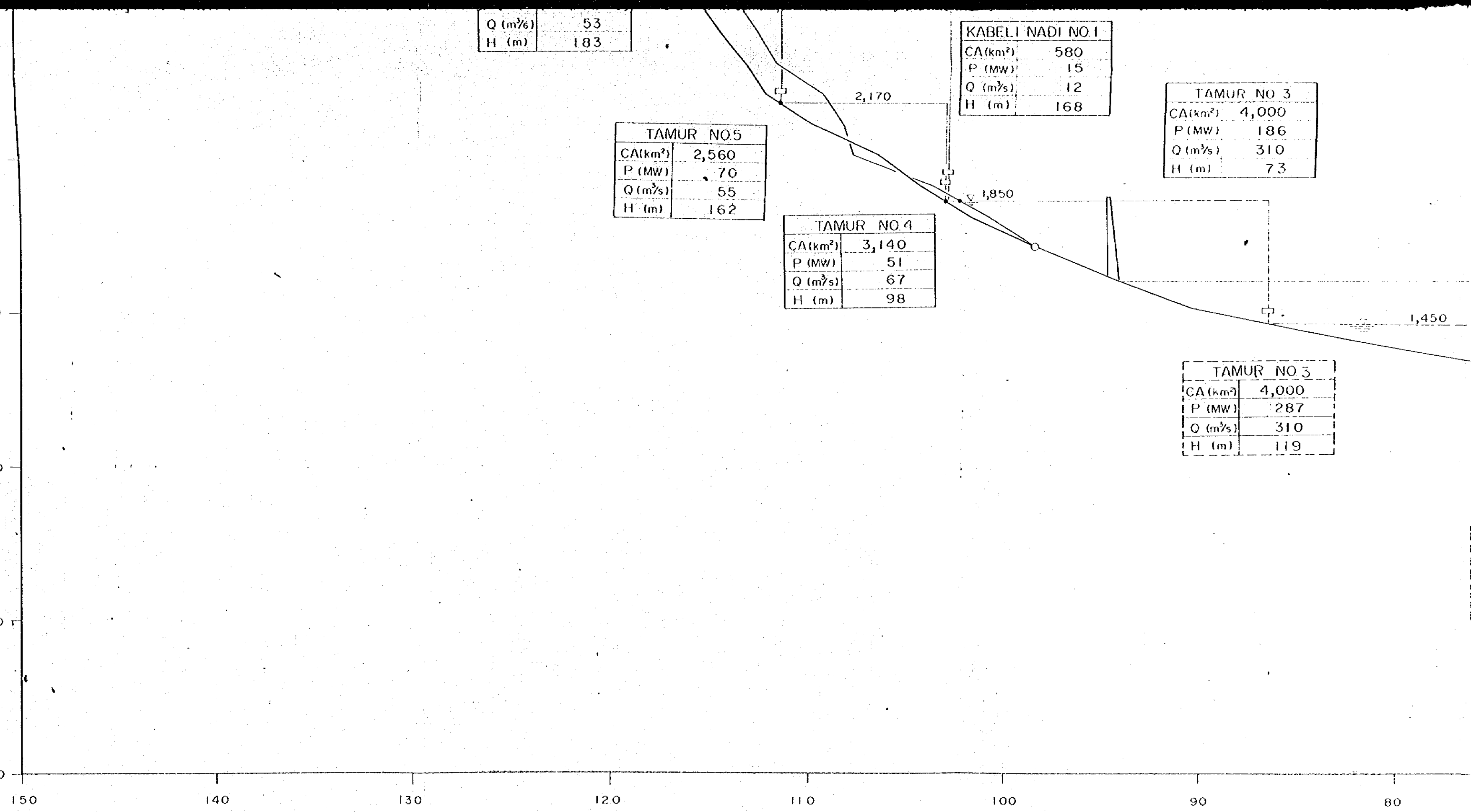
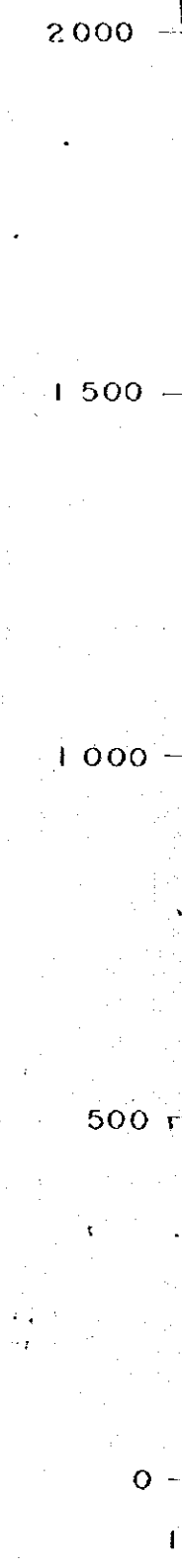
KABELI NADI NO.1	
CA (km ²)	580
P (MW)	15
Q (m ³ /s)	12
H (m)	168

TAMUR NO.3	
CA (km ²)	4,000
P (MW)	186
Q (m ³ /s)	310
H (m)	73

TAMUR NO.5	
CA (km ²)	2,560
P (MW)	70
Q (m ³ /s)	55
H (m)	162

TAMUR NO.4	
CA (km ²)	3,140
P (MW)	51
Q (m ³ /s)	67
H (m)	98

TAMUR NO.3	
CA (km ²)	4,000
P (MW)	287
Q (m ³ /s)	310
H (m)	119



2,170

1,850

1,450

DISTA

KABELI NADI NO.1

CA (km ²)	580
P (MW)	15
Q (m ³ /s)	12
H (m)	168

TAMUR NO.3

CA (km ²)	4,000
P (MW)	186
Q (m ³ /s)	310
H (m)	73

TAMUR NO.4

CA (km ²)	3,140
P (MW)	51
Q (m ³ /s)	67
H (m)	98

TAMUR NO.1

CA (km ²)	5,085
P (MW)	696
Q (m ³ /s)	650
H (m)	132

TAMUR NO.1

CA (km ²)	5,085
P (MW)	155
Q (m ³ /s)	390
H (m)	49

TAMUR NO.3

CA (km ²)	4,000
P (MW)	287
Q (m ³ /s)	310
H (m)	119

TAMUR NO.2

CA (km ²)	4,400
P (MW)	120
Q (m ³ /s)	340
H (m)	43

TAMUR NO.2

CA (km ²)	4,400
P (MW)	112
Q (m ³ /s)	340
H (m)	46

TAMUR RIVER

2,170

1,850

1,450

1,600

1,300

110

100

90

80

70

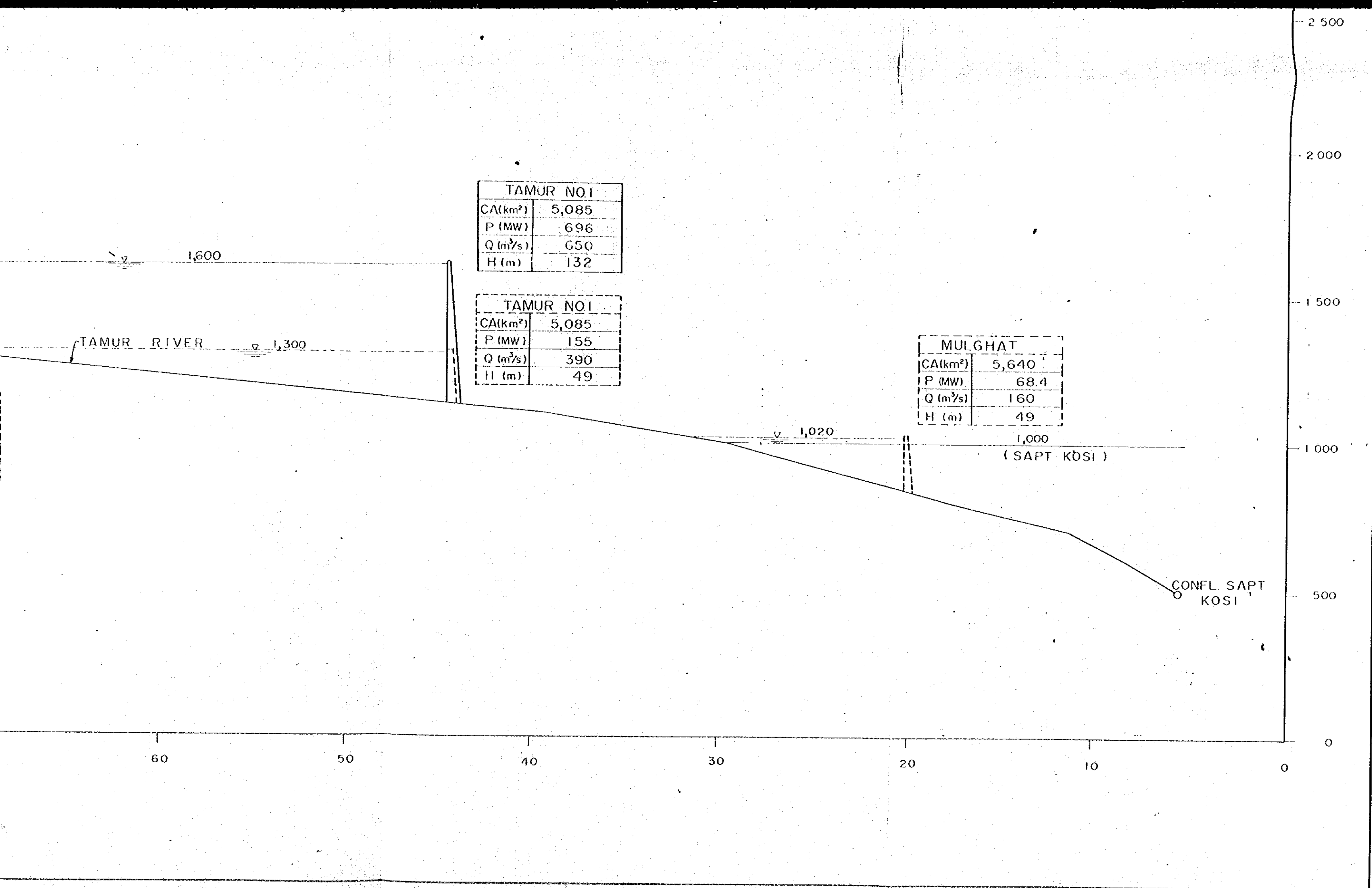
60

50

40

30

DISTANCE (km)



TAMUR NO.1	
CA(km ²)	5,085
P (MW)	696
Q (m ³ /s)	650
H (m)	132

TAMUR NO.1	
CA(km ²)	5,085
P (MW)	155
Q (m ³ /s)	390
H (m)	49

MULGHAT	
CA(km ²)	5,640
P (MW)	68.4
Q (m ³ /s)	160
H (m)	49

1,000
(SAPT KOSI)

CONFL. SAPT
KOSI

2 500
2 000
1 500
1 000
500
0

60 50 40 30 20 10 0

1,600
TAMUR RIVER
1,300

1,020

EL V(m)

10 000

9 500

9 000

8 500

8 000

7 500

7 000

6 500

6 000

5 500

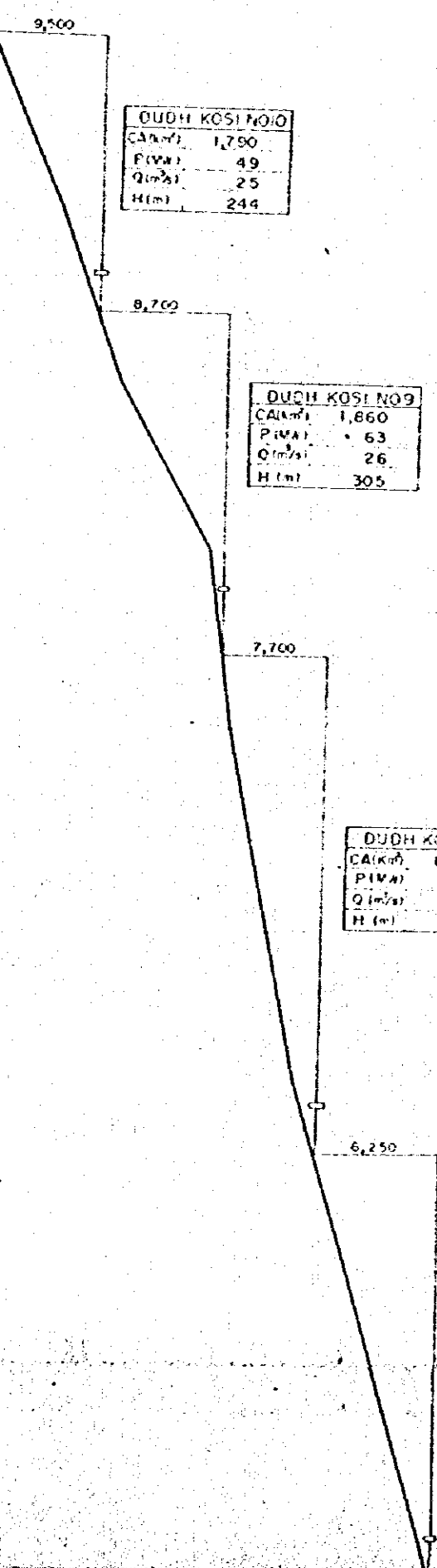
SUNK

DUDH KOSI NO:0	
CA(km ²)	1,790
PIVA	49
Q(m ³ /s)	25
H(m)	244

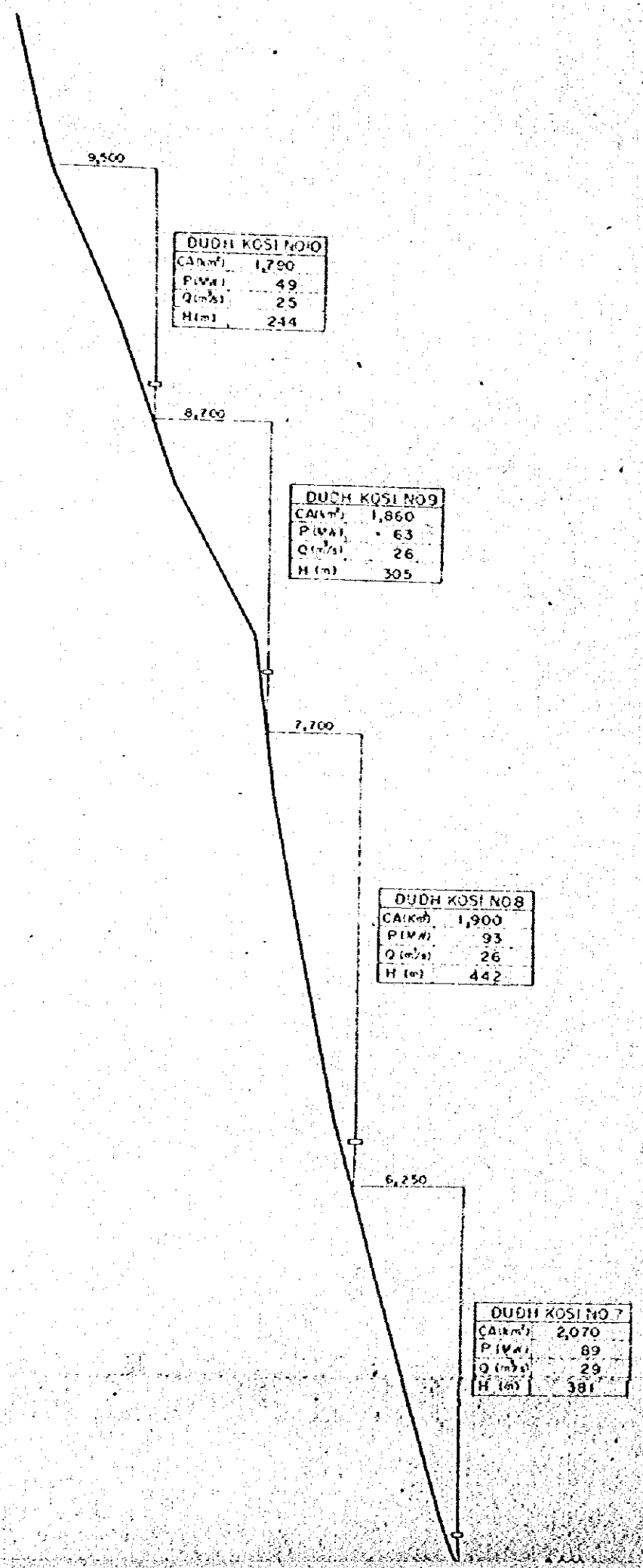
DUDH KOSI NO:9	
CA(km ²)	1,860
PIVA	63
Q(m ³ /s)	26
H(m)	305

DUDH KOSI NO:8	
CA(km ²)	1,900
PIVA	93
Q(m ³ /s)	26
H(m)	442

DUDH KOSI NO	
CA(km ²)	2,070
PIVA	89
Q(m ³ /s)	29
H(m)	381



LONGITUDINAL SECTION
OF
SUNKOSI AND TRIBUTORIES



ELV (m)

10 000

9 500

9 000

8 500

8 000

7 500

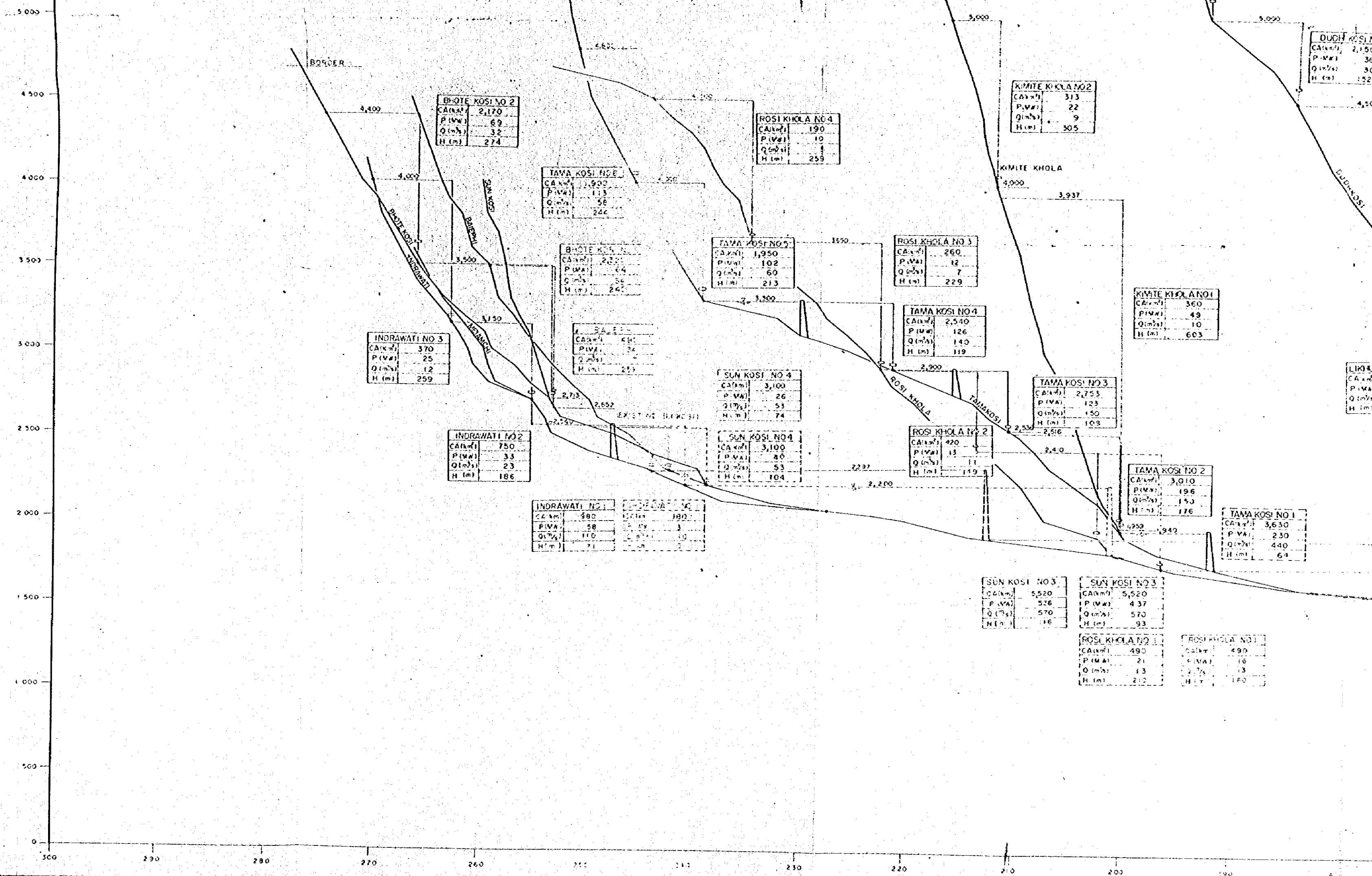
7 000

6 500

6 000

6 500

6 000



DUGH KOSI NO 6	
CA (km²)	2,150
P (MVA)	36
Q (m³/s)	30
H (m)	152

KIMITE KHOLA NO 2	
CA (km²)	313
P (MVA)	22
Q (m³/s)	9
H (m)	305

ROSI KHOLA NO 4	
CA (km²)	190
P (MVA)	10
Q (m³/s)	8
H (m)	259

TAMA KOSI NO 5	
CA (km²)	1,900
P (MVA)	113
Q (m³/s)	58
H (m)	244

BOTE KOSI NO 2	
CA (km²)	2,170
P (MVA)	69
Q (m³/s)	32
H (m)	274

KIMITE KHOLA	
CA (km²)	3,937

ROSI KHOLA NO 3	
CA (km²)	260
P (MVA)	12
Q (m³/s)	7
H (m)	229

TAMA KOSI NO 5	
CA (km²)	1,950
P (MVA)	102
Q (m³/s)	60
H (m)	213

BOTE KOSI NO 3	
CA (km²)	2,320
P (MVA)	64
Q (m³/s)	36
H (m)	245

KIMITE KHOLA NO 1	
CA (km²)	360
P (MVA)	49
Q (m³/s)	10
H (m)	603

TAMA KOSI NO 4	
CA (km²)	2,540
P (MVA)	126
Q (m³/s)	140
H (m)	119

INDRAWATI NO 3	
CA (km²)	370
P (MVA)	25
Q (m³/s)	12
H (m)	259

SUN KOSI NO 4	
CA (km²)	480
P (MVA)	24
Q (m³/s)	12
H (m)	253

SUN KOSI NO 4	
CA (km²)	3,100
P (MVA)	26
Q (m³/s)	53
H (m)	74

TAMA KOSI NO 3	
CA (km²)	2,753
P (MVA)	123
Q (m³/s)	150
H (m)	103

INDRAWATI NO 2	
CA (km²)	750
P (MVA)	33
Q (m³/s)	23
H (m)	186

SUN KOSI NO 4	
CA (km²)	3,100
P (MVA)	80
Q (m³/s)	53
H (m)	104

ROSI KHOLA NO 2	
CA (km²)	420
P (MVA)	13
Q (m³/s)	11
H (m)	119

TAMA KOSI NO 2	
CA (km²)	3,010
P (MVA)	196
Q (m³/s)	150
H (m)	176

TAMA KOSI NO 1	
CA (km²)	3,630
P (MVA)	230
Q (m³/s)	440
H (m)	64

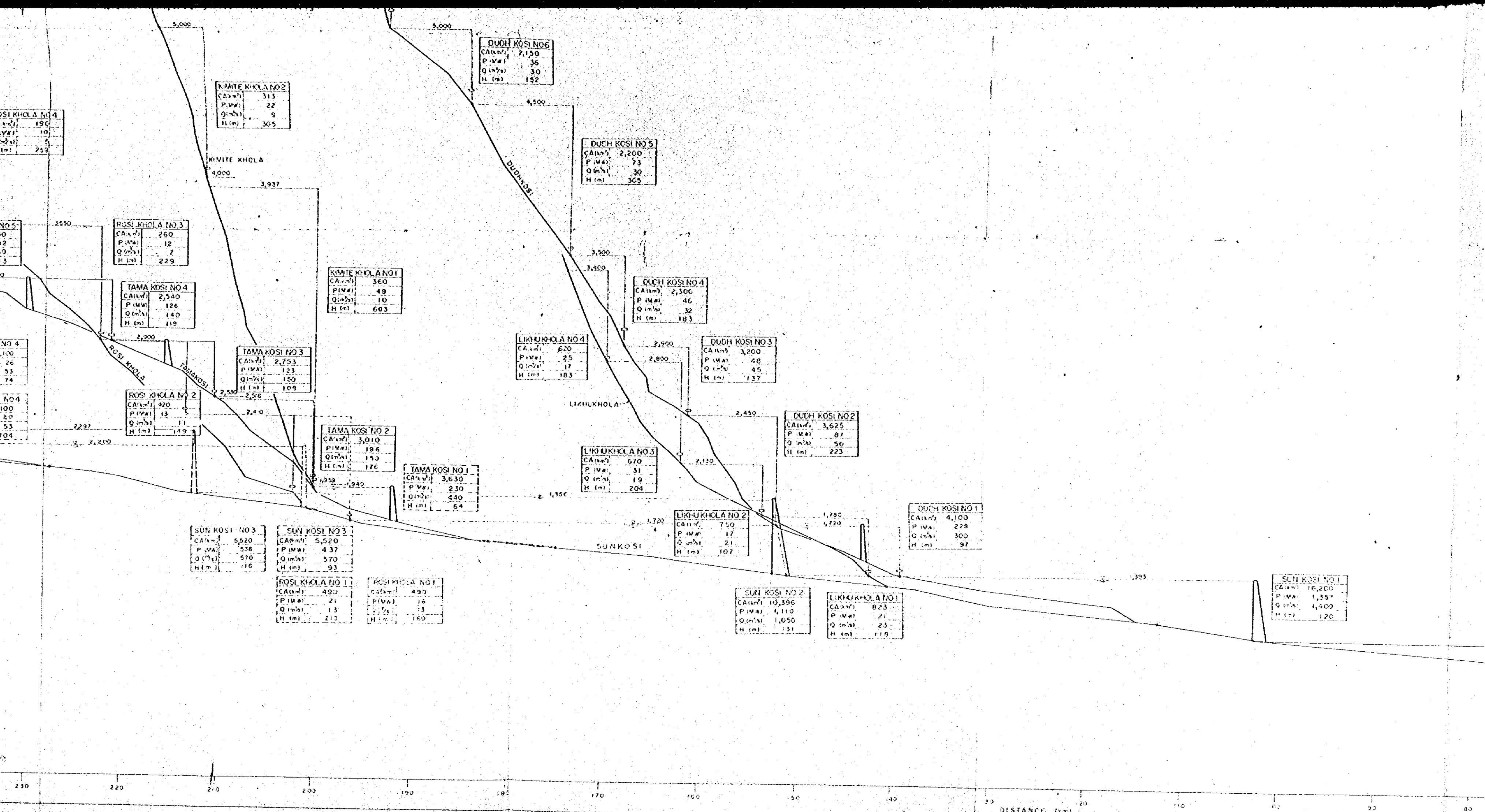
INDRAWATI NO 1	
CA (km²)	880
P (MVA)	58
Q (m³/s)	110
H (m)	71

SUN KOSI NO 3	
CA (km²)	5,520
P (MVA)	526
Q (m³/s)	570
H (m)	16

SUN KOSI NO 3	
CA (km²)	5,520
P (MVA)	437
Q (m³/s)	570
H (m)	93

ROSI KHOLA NO 1	
CA (km²)	490
P (MVA)	21
Q (m³/s)	13
H (m)	212

ROSI KHOLA NO 1	
CA (km²)	490
P (MVA)	15
Q (m³/s)	13
H (m)	180



DUCH KOSI NO 6	
CA (m³)	2,150
P (MW)	36
Q (m³/s)	30
H (m)	152

KIMITE KHOLA NO 2	
CA (m³)	313
P (MW)	22
Q (m³/s)	9
H (m)	305

ROSI KHOLA NO 4	
CA (m³)	190
P (MW)	10
Q (m³/s)	5
H (m)	253

DUCH KOSI NO 5	
CA (m³)	2,200
P (MW)	73
Q (m³/s)	30
H (m)	305

ROSI KHOLA NO 3	
CA (m³)	260
P (MW)	12
Q (m³/s)	7
H (m)	229

KIMITE KHOLA NO 1	
CA (m³)	360
P (MW)	49
Q (m³/s)	10
H (m)	603

DUCH KOSI NO 4	
CA (m³)	2,300
P (MW)	46
Q (m³/s)	32
H (m)	183

TAMA KOSI NO 4	
CA (m³)	2,540
P (MW)	126
Q (m³/s)	140
H (m)	119

LIKHUKHOLA NO 4	
CA (m³)	620
P (MW)	25
Q (m³/s)	17
H (m)	183

DUCH KOSI NO 3	
CA (m³)	3,200
P (MW)	48
Q (m³/s)	45
H (m)	137

TAMA KOSI NO 3	
CA (m³)	2,753
P (MW)	133
Q (m³/s)	150
H (m)	109

DUCH KOSI NO 2	
CA (m³)	3,625
P (MW)	87
Q (m³/s)	50
H (m)	223

ROSI KHOLA NO 2	
CA (m³)	420
P (MW)	13
Q (m³/s)	11
H (m)	149

TAMA KOSI NO 2	
CA (m³)	3,010
P (MW)	196
Q (m³/s)	150
H (m)	176

LIKHUKHOLA NO 3	
CA (m³)	670
P (MW)	31
Q (m³/s)	19
H (m)	204

TAMA KOSI NO 1	
CA (m³)	3,630
P (MW)	230
Q (m³/s)	440
H (m)	64

LIKHUKHOLA NO 2	
CA (m³)	750
P (MW)	17
Q (m³/s)	21
H (m)	107

DUCH KOSI NO 1	
CA (m³)	4,100
P (MW)	228
Q (m³/s)	300
H (m)	97

SUN KOSI NO 3	
CA (m³)	5,520
P (MW)	536
Q (m³/s)	570
H (m)	116

SUN KOSI NO 3	
CA (m³)	5,520
P (MW)	437
Q (m³/s)	570
H (m)	93

ROSI KHOLA NO 1	
CA (m³)	490
P (MW)	21
Q (m³/s)	13
H (m)	210

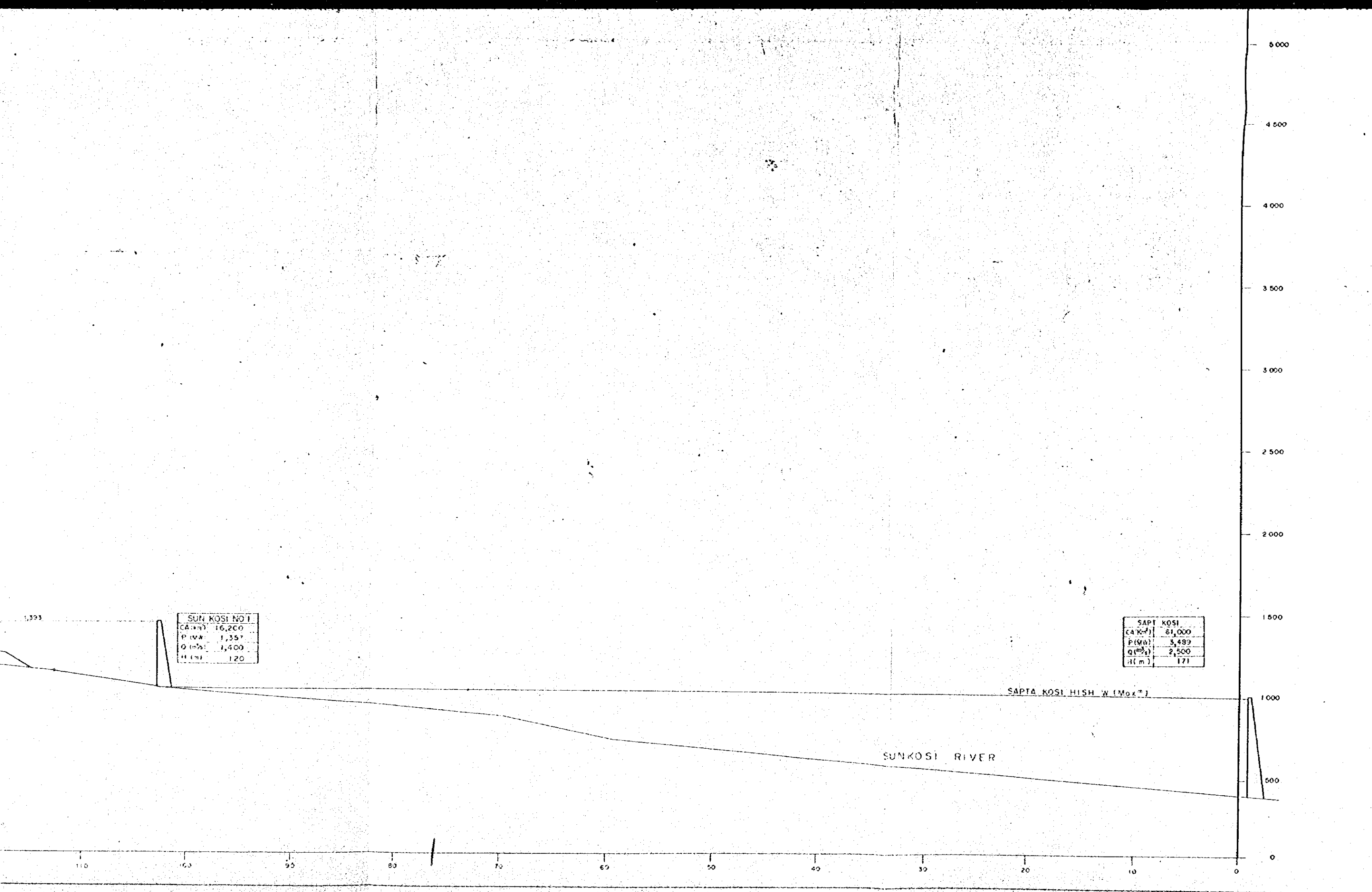
ROSI KHOLA NO 1	
CA (m³)	490
P (MW)	16
Q (m³/s)	13
H (m)	160

SUN KOSI NO 2	
CA (m³)	10,396
P (MW)	1,110
Q (m³/s)	1,050
H (m)	131

LIKHUKHOLA NO 1	
CA (m³)	823
P (MW)	21
Q (m³/s)	23
H (m)	119

SUN KOSI NO 1	
CA (m³)	16,200
P (MW)	1,357
Q (m³/s)	1,400
H (m)	120

DISTANCE (km)



SUN KOSI NO 1	
CA (m ²)	16,200
P (m)	1,357
Q (m ³ /s)	1,400
H (m)	120

SAPTA KOSI	
CA (m ²)	61,000
P (m)	3,493
Q (m ³ /s)	2,500
H (m)	171

SAPTA KOSI HIGH W (Max?)

SUNKOSI RIVER

JICA